

CITY OF LOS ALAMITOS

3191 Katella Avenue
Los Alamitos, CA 90720

TRAFFIC COMMISSION REGULAR MEETING

Wednesday, February 12, 2020 – 7:00 PM

NOTICE TO THE PUBLIC

This Agenda contains a brief general description of each item to be considered. Except as provided by law, action or discussion shall not be taken on any item not appearing on the agenda. Supporting documents, including staff reports, are available for review at City Hall in the Engineering Office or on the City's website at www.cityoflosalamitos.org once the agenda has been publicly posted.

Any written materials relating to an item on this agenda submitted to the Traffic Commission after distribution of the agenda packet are available for public inspection in the Engineering Office, 3191 Katella Ave., Los Alamitos CA 90720, during normal business hours. In addition, such writings or documents will be made available for public review at the respective public meeting.

It is the intention of the City of Los Alamitos to comply with the Americans with Disabilities Act (ADA) in all respects. If, as an attendee, or a participant at this meeting, you will need special assistance beyond what is normally provided, please contact the Engineering Office at (562) 431-3538, extension 301, 48 hours prior to the meeting so that reasonable arrangements may be made. Assisted listening devices may be obtained from the Traffic Commission Secretary at the meeting for individuals with hearing impairments.

Persons wishing to address the Traffic Commission on any item on the Traffic Commission Agenda shall sign in on the Oral Communications Sign-In Sheet which is located on the podium once the item is called by the Chairperson. At this point, you may address the Traffic Commission for up to FIVE MINUTES on that particular item.

1. **CALL TO ORDER**
2. **ROLL CALL**
 - Chair Patz
 - Vice Chair Mejia
 - Commissioner Coxhill
 - Commissioner Hill
 - Commissioner Murphy
 - Commissioner Singer
 - Commissioner West
3. **PLEDGE OF ALLEGIANCE**
4. **PRESENTATION**
 - A. Transportation Analysis: Vehicle Miles Traveled

5. ORAL COMMUNICATION

At this time, any individual in the audience may address the Traffic Commission and speak on any item within the subject matter jurisdiction of the Commission. Please state if you wish to speak on an item on the Agenda. **Remarks are to be limited to not more than five minutes.**

6. APPROVAL OF MINUTES

A. Approve the Minutes for the Regular Meeting of January 8, 2020

7. STAFF REPORTS

A. Request to Install Speed Humps on Chestnut Street Between Katella Avenue and Sausalito Street

On August 5, 2019 the City received a petition signed by 98 residents and two postal carriers. The residents live on Walnut Street, Oak Street and Chestnut Street. Traffic volumes on these streets range from 1,000 to 1,900 cars per day. Over the next six months after the City received the petition, the Police Department only received three calls for service from the subject in regards to speeding vehicles. A speed survey was conducted on September 25, 2019, on Walnut Street and Chestnut Street. The results were presented to the Traffic Commission during the October 9, 2019, meeting.

Residents expressed concern to the Director of Development Services that the collected data was skewed by the presence of a police vehicle. In response to the residents, staff was directed to collect new data. On Tuesday January 14, 2020, staff collected a new set of data on both streets to verify the previous data.

Recommendation:

Option 1- Staff recommends denial of the request to install speed humps on Walnut Street or Chestnut Street.

Option 2- Traffic Commission to direct staff to evaluate reduction of travel lane width by installing striping the edges of travel lane.

B. Traffic Commission Status Log

This is a tracking tool used by the Commission to track assignments and accomplishments.

Recommendation: Receive, file, and revise as necessary.

8. ITEMS FROM THE DIRECTOR/CITY ENGINEER

9. TRAFFIC COMMISSION INITIATED BUSINESS

At this time, Commissioners may report on items not included on the agenda, but no such matter may be discussed, nor may any action be taken in which there is interest to the community, except as to provide Staff direction to report back or to place the item on a future agenda.

10. ADJOURNMENT

I hereby certify, under penalty of perjury under the laws of the State of California that the foregoing Agenda was posted at the Community Center, Museum, and City Hall not less than 72 hours prior to the meeting. **Dated this 5th day of February, 2020**



Maria Veronica M. Enciso, Department Secretary

MINUTES OF TRAFFIC COMMISSION MEETING OF THE CITY OF LOS ALAMITOS

REGULAR MEETING – January 08, 2020

1. CALL TO ORDER

The Traffic Commission met in Regular Session at 7:00 p.m. on January 08, 2020 in the Council Chamber, 3191 Katella Avenue, Los Alamitos, California, Chair Hill presiding.

2. ROLL CALL

Present: Commissioners: Chair Patz
Vice Chair Mejia
Hill, Coxhill, Singer, Rodman, and West

Present: Staff: Chris Kelley, City Engineer
Farhad Iranitalab, Traffic Engineer
Brent Malatesta, Sergeant
Maria Veronica Enciso, Department Secretary

3. PLEDGE OF ALLEGIANCE

The Pledge of Allegiance was led by Commissioner Singer.

4. ORAL COMMUNICATION

Chair Hill opened the meeting for Oral Communications.

There being no speakers, Chair Hill closed Oral Communications

5. TRAFFIC COMMISSION REORGANIZATION

A. Annual Traffic Commission Reorganization

This report provides relevant information for the Traffic Commission's annual reorganization, by the election of the Chair and Vice Chair.

Department Secretary Enciso called for nominations for the position of Chair.

Commissioner West nominated Vice Chair Patz.

Department Secretary Enciso asked if there were any other nominations and there were not.

Commissioner Hill	Aye
Commissioner Patz	Aye
Commissioner Coxhill	Aye
Commissioner Rodman	Aye
Commissioner Singer	Aye
Commissioner West	Aye

Commissioner Mejia Aye

Unanimously carried: The Traffic Commission appointed Vice Chair Patz as Chair.

Chair Patz asked if there were any nominations for the position of Vice Chair.

Commissioner Rodman nominated Commissioner Mejia as Vice Chair.

Chair Patz asked if there were any further nominations and there were not.

Commissioner Hill	Aye
Commissioner Patz	Aye
Commissioner Coxhill	Aye
Commissioner Rodman	Aye
Commissioner Singer	Aye
Commissioner West	Aye
Commissioner Mejia	Aye

Unanimously Carried: The Traffic Commission appointed Commissioner Mejia as Vice Chair.

6. APPROVAL OF MINUTES

A. Approve the Minutes for the Regular Meeting of November 13, 2019

Chair Patz noted changes given to Department Secretary Enciso prior to the meeting.

Commissioner West noted the following changes:

- Page 4, second paragraph – change “Brent” to “Sergeant Malatesta”

Motion/Second: Mejia/West

Carried 7/0: The Traffic Commission approved the minutes of the Regular meeting of November 13, 2019 with amendments.

7. STAFF REPORTS

8. Petition for Speed Humps in Old Town West – Update

On August 5, 2019 the City received a petition signed by ninety-eight (98) residents and two postal carriers. The residents live on Walnut Street, Oak Street and Chestnut Street. Traffic volumes on these streets range from 1,600 to 3,200 cars per day. Following the August 5th meeting, a speed survey was ordered and conducted in the neighborhood and the results were presented to the Traffic Commission during the October 9, 2019 meeting. A second speed survey is in process in order to confirm the findings of the first study.

City Engineer Kelley summarized the staff report.

Commissioner Coxhill and Traffic Engineer Iranitalab discussed the speed survey that was conducted in September 2019.

Sergeant Malatesta discussed the following Police traffic activity in the neighborhood for the month of September from Monday to Friday.

- 49 traffic stops
- 4 patrol checks
- 11 parking issues
- 2 non-injury traffic collisions
- 4 pedestrian/bike stops
- 33 citations issued

Commissioner Coxhill and Sergeant Malatesta discussed the issue of the Police Department not receiving enough calls about speed vehicles [in the neighborhood].

Commissioner Singer and Sergeant Malatesta discussed the 49 traffic stops and what kind of traffic stops were made.

Commissioner Hill asked Sergeant Malatesta if the 33 citations is an abnormal number or if it is the average in the area. Sergeant Malatesta clarified that it is unequivocally a result of activity that is going on.

Traffic Engineer Iranitalab clarified that it is difficult to determine how many of the 33 citations were due to speeding especially with the 250 feet between each stop sign.

The Traffic Commission discussed the following:

- The cause require a second speed survey.
- The cost of the study being \$800.
- The difference that will occur during the second speed survey in regards to presence of the Police vehicles.

Commissioner Coxhill discussed the cellphone applications that give drivers directions and how to stop them from using the neighborhoods as a pathway to get to a certain location.

Vice Chair Mejia wanted to know if there was anything else that can be used aside from speed humps.

Commissioner West clarified that the study didn't meet the threshold therefore speed humps were not recommended and that having a second study would verify the results of the first study.

Commissioner Coxhill asked what the formal guidelines are for recommending speed humps.

Traffic Engineer Iranitalab discussed how the first study was split up in two sections and that changing the study to be done block-by-block would not make a difference with the results meeting the threshold.

Commissioner Hill discussed what Commissioner Coxhill brought up about the cellphone applications and agreed with her discussion of having them stop using the neighborhoods as a path of travel. He also discussed that there were 68% of the residents who signed the petition and that the OCFA letter that was provided should be what the commission considers as factors.

Chair Patz expressed his concern of drivers running through the stop signs and that he has had his own observations.

Traffic Engineer Iranitalab discussed the use of stop signs and how people lose the respect of stop signs which is when people do a rolling stop.

Commissioner Singer asked what kind of threshold would determine the need for speed humps once all the information is gathered.

Traffic Engineer Iranitalab clarified that if the 85% percentile changes from 25 mph to 30 mph, which is when it would meet the threshold.

Commissioner West asked and received clarification from Traffic Engineer Iranitalab that the speed humps would be 300 feet away from each other.

Commissioner Coxhill received clarification from Traffic Engineer Iranitalab that enforcement is the way to control speeding.

Commissioner Singer asked what the next step would be [in this process] and Chair Patz clarified that the next step is to discuss the second speed survey and decide whether to move forward or not in the February meeting.

B. Traffic Commission Status Log

This is a tracking tool used by the Commission to track assignments and accomplishments.

Traffic Engineer Iranitalab updated the Traffic Commission that he will inform the school district before the installation of the right turn lane and then have a traffic order completed.

9. ITEMS FROM THE DIRECTOR/CITY ENGINEER

City Engineer Kelley addressed the removal of the speed hump behind Katella Deli.

10. TRAFFIC COMMISSION INITIATED BUSINESS

Commissioner Hill discussed the following:

- Left turn lane on westbound Katella Avenue and southbound Los Alamitos Boulevard.
- Introduce City Engineer Kelley.

Chair Patz thanked Commissioner Hill for his time as a Chair.

City Engineer Kelley briefly introduced himself.

11. ADJOURNMENT

Motion/Second: Coxhill/Singer

Carried 7/0: The Traffic Commission unanimously voted to adjourn the meeting until February 12, 2019.

The Traffic Commission adjourned at 7:56 p.m.

Daniel Patz, Chair

Attest:

Maria Veronica Enciso, Department Secretary

City of Los Alamitos

TRAFFIC COMMISSION AGENDA REPORT

MEETING DATE: February 12, 2020 ITEM NUMBER: 7A

To: Chair Patz and Members of the Traffic Commission

Presented By: Farhad Iranitalab, Traffic Engineer

**Subject: Request to Install Speed Humps on Chestnut Street Between
Katella Avenue and Sausalito Street**

SUMMARY

On August 5, 2019 the City received a petition signed by 98 residents and two postal carriers. The residents live on Walnut Street, Oak Street and Chestnut Street. Traffic volumes on these streets range from 1,000 to 1,900 cars per day. Over the next six months after the City received the petition, the Police Department only received three calls for service from the subject in regards to speeding vehicles. A speed survey was conducted on September 25, 2019, on Walnut Street and Chestnut Street. The results were presented to the Traffic Commission during the October 9, 2019, meeting.

Residents expressed concern to the Director of Development Services that the collected data was skewed by the presence of a police vehicle. In response to the residents, staff was directed to collect new data. On Tuesday January 14, 2020, staff collected a new set of data on both streets to verify the previous data. The locations where the data was collected is shown on the photo.



RECOMMENDATION

Option 1- Staff recommends denial of the request to install speed humps on Walnut Street or Chestnut Street.

Option 2- Traffic Commission to direct staff to evaluate reduction of travel lane width by installing striping the edges of travel lane.

BACKGROUND

On August 5, 2019, the City received a petition signed by 98 residents and two postal carriers. The residents live on Walnut Street, Oak Street, and Chestnut Street. In this area, there are approximately 600 residential units. Of the 98 signatures 16 have the same last name and list the same address. Therefore, 82 residences are identified, which represents approximately 14% of the total residences.

The petition identifies concern with speeding vehicles not observing the posted stop signs. As a result, they are requesting of the City to install speed humps on the Walnut and Chestnut streets. The petition statement reads as follows:

This petition is for the city to address the problem of traffic speeding through our neighborhood on a daily basis. The highest traffic hours are 7am-8:30am, 1pm-3pm & 4:30pm-7pm, Mon-Fri. We are located between Katella Ave., Sausalito St., Oak St. and Los Alamitos Blvd. A large percent of this traffic is not only driving well above the speed limit, they are not stopping at any of the posted stop signs. Now our neighborhood also has to deal with semis and work trucks speeding down Walnut St. to and from the Sausalito Construction Site.

Several of our residents, their children, postal workers, delivery people and pets have had close calls with traffic. It's hard to cross the street when no one is stopping. So, before any person or pet gets hit or property damage occurs, we are asking that our city ensure the safety of its residents, by installing speed bumps. Installing them between every stop sign in our neighborhood would slow the traffic down and possibly deter them from cutting through our neighborhood at all.

A number of us have expressed our concern to the Police Department, but they don't have enough officers to have someone patrol on a daily and regular basis.

We know our city cares about the safety of the residents, and we look forward to the installation of these speed bumps in a timely manner. We thank the city in advance for its expedience in resolving this safety issue.

HISTORY

It is important to note that this is not the first time that the City has considered the use of speed humps. As a result of resident concerns with speeding vehicles, the City installed, and subsequently removed, speed humps in the Carrier Row neighborhood back in the 1970's. The removal was due to complaints received from residents after the speed humps were installed.

In July 2001, a staff report recommending the feasibility of adopting a speed hump policy to control traffic circulation in residential streets was taken to City Council. At that time staff was directed to spend up to \$5,000 to conduct a study. However, on August 27, 2001, the City Council subsequently rescinded that vote.

The Traffic Calming Study and Implementation Plan for the City, (December 2004, Page 22), cites the City Council's decision not to develop guidelines or procedures for the use of speed humps in the City. Therefore, speed humps are not generally used in the City of Los Alamitos. Furthermore, a recent communication from the Orange County Fire Authority (OCFA) indicates they do not look favorably on speed humps; however, the OCFA does evaluate each request in the localized area as to the impacts to their emergency response times.

STEPS TO IMPLEMENTATION

Providing that there is sufficient neighborhood concern for a traffic problem, there are a series of steps that would need to be completed prior to installation of a speed hump. These steps include information gathering, traffic counts, collision reports, speed profile data and an inventory of existing conditions.

Once the above data is analyzed, it would be compared to criteria set by the City. This criterion can include a certain minimum of 85th percentile speed that is sustained over a given amount of time and reported collisions that can be identified as being caused by unsafe speeds.

Following the collection of data, identifying the problem(s), and developing potential solutions, many agencies again will engage the residents in the findings and potential solutions. Most agencies include an incremental approach to resolving speeding problems by the utilization of signing, and passive and active enforcement approaches before considering installation of speed humps or cushions.

GUIDELINES FOR SPEED HUMPS

In many local agencies, a request for speed humps is based on excessive "speeding" whether perceived or actual. Collection of speed profile data over a 24-hour period will reveal the extent of speeding, and more importantly, it will identify the time and volume of speeding that allows for special enforcement during those peak periods. Roadway traffic volumes have a large bearing on speeding complaints as does the noise created by the roadway surface material and the traffic volume. This is true particularly when a large percentage of traffic is not related to the neighborhood it is passing through. Studies have shown that installation of speed humps may simply transfer the problem to impact adjacent residential roadways with diverted traffic.

Typical residential streets have been found to have an 85th percentile speed of about 31 to 35-MPH. A typical residential roadway has a daily traffic volume of 600 to 1200 vehicles per day. Generally, only two-lane roadways that have:

- 1) A volume of 800 to 1200 vehicles per day
- 2) Are longer than 800 feet
- 3) Have no controls such as stop signs

Roadways which serve public transit or are primary emergency response routes are not typically recommended for consideration of speed humps

CRITERIA FOR INSTALLATION

Criteria typically includes the following:

1. The roadway must not be more than one lane each direction and conform to CVC 515 definition – “Residential District”, prima facie speed of 25-MPH;
2. The roadway must have an uncontrolled, uninterrupted length of at least 800 feet and a daily traffic volume of no less than 800 vehicles.
3. Consider an 85th percentile speed of 35-MPH or more.
4. Adequate visibility can be provided at all potential speed hump locations.
5. Approval by all residents within 50 feet of potential speed hump location.
6. If, in the opinion of staff, the installation of speed humps will impact a parallel roadway the residents of that roadway shall be notified, and the signature of those residents must be obtained as well. It shall be the responsibility of the applicant to obtain all the needed signatures.

DISCUSSION:

Public Works collected traffic volume and speed data on Tuesday January 14, 2020, for a period of 24 hours to determine the speed distribution throughout the day. The data was collected by using machine counters on Walnut Avenue and Chestnut Avenue between Sausalito Street and Catalina Street at the same locations as previously collected (as shown on the photo on page 1) to compare the speed profile for the same segments as was collected on September 25, 2019. Table 1 presents the summary results of the survey from the September 25th data and Table 2 presents the summary data collected on January 14, 2020. The raw data are attached as Appendix A.

The data on Table 1, 2, and 3 shows that collected speed data does not meet the recommended criteria described above. The data indicate that the 85th percentile speed is below 35 mph, and the segment length between the two controlled intersection is approximately 610 feet, which is less than 800 feet mentioned above.

Table 1- Summary Results of 24-Hours Traffic Volume and Speed Data from September 2019 for the Segment between Sausalito and Catalina

	Direction	Traffic Volume	85% Speed	% of Vehicles over 25 mph	% of Vehicles over 30 mph
Walnut Street	Northbound	570	30 mph	54%	14%
	Southbound	490	30 mph	45%	13%
Chestnut Street	Northbound	750	30 mph	41%	10%
	Southbound	1190	30 mph	54%	14%

Table 2- Summary Results of 24-Hours Traffic Volume and Speed Data from January 2020 for the Segment between Sausalito and Catalina

	Direction	Traffic Volume	85% Speed	% of Vehicles over 25 mph	% of Vehicles over 30 mph
Walnut Street	Northbound	530	29 mph	33%	6%
	Southbound	390	27 mph	21%	3%
Chestnut Street	Northbound	690	29 mph	38%	10%
	Southbound	1170	30 mph	45%	8%

On January 14, 2020, data were also collected for the segments on Walnut Avenue and Chestnut Avenue between Catalina Street and Florista Street to determine if the speed profiles are different for the two segments. The locations where data were collected are presented on the photo on page 1.

Table 3 presents the summary results for the segments between Catalina Street and Florista Avenue. Data indicates that the 85th percentile speed on Walnut and Chestnut Streets between Catalina Street and Florista Avenue is measured to be 30 mph for both northbound and southbound directions, which is consistent with the speed profile collected on September 25, 2019. On Chestnut Avenue between Catalina Street and Florista Avenue speeds were measured to be 32 mph for northbound and 31 mph for the southbound directions. The data indicates that the 85th percentile is below 35 mph and the segment length between the two controlled intersection is approximately 615 feet.

Table 3- Summary Results of 24-Hours Traffic Volume and Speed Data from January 2020 Between Catalina and Florista

	Direction	Traffic Volume	85% Speed	% of Vehicles over 25 mph	% of Vehicles over 30 mph
Walnut Street	Northbound	700	30 mph	57%	14%
	Southbound	540	30 mph	48%	12%
Chestnut Street	Northbound	720	32 mph	63%	21%
	Southbound	960	31 mph	61%	16%

FISCAL IMPACT

Installations of speed humps would require additional funds. The ultimate restrictions to vehicle movements or the installation of speed humps are decisions that have to be approved by the City Council, since the roadways are public. Speed hump installations are estimated at \$5,000 to \$7,000 per hump and are placed at 250 to 350 feet intervals.

- Attachments:*
- 1. September 25, 2019 Speed Survey*
 - 2. January 14, 2020 Speed Survey*
 - 3. October 09, 2019 Traffic Commission Staff Report*
 - 4. October 09, 2019 Traffic Commission Minutes*

ATTACHMENT 1

SPEED DATA
CHESTNUT STREET
BETWEEN
SAUSALITO AND CATALINA
9/14/2019

Chestnut Street
Btwn Sausalito St & Catalina St

North

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
09/25/19	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
00:15	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:45	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
01:00	1	0	0	1	1	0	0	0	0	0	0	0	0	0	3
01:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
01:45	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
02:15	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:45	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
03:15	0	0	1	1	1	0	0	0	0	0	0	0	0	0	3
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:45	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
04:00	0	1	1	1	1	0	0	0	0	0	0	0	0	0	3
04:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3
04:45	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
05:00	1	1	2	0	0	0	0	0	0	0	0	0	0	0	4
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05:45	1	1	2	0	0	0	0	0	0	0	0	0	0	0	4
06:00	0	0	1	2	0	0	0	0	0	0	0	0	0	0	3
06:15	0	0	1	2	0	0	0	0	0	0	0	0	0	0	3
06:30	0	0	3	4	2	0	0	0	0	0	0	0	0	0	9
06:45	0	0	3	5	0	1	0	0	0	0	0	0	0	0	9
07:00	1	0	7	11	2	2	0	0	0	0	0	0	0	0	23
07:15	0	0	8	0	0	0	0	0	0	0	0	0	0	0	8
07:30	0	3	5	3	1	0	0	0	0	0	0	0	0	0	12
07:45	2	0	3	3	3	0	0	0	0	0	0	0	0	0	11
08:00	0	1	5	5	0	0	0	0	0	0	0	0	0	0	11
08:15	2	4	21	11	4	0	0	0	0	0	0	0	0	0	42
08:30	0	0	13	13	2	1	0	0	0	0	0	0	0	0	29
08:45	0	2	8	12	3	0	0	0	0	0	0	0	0	0	25
09:00	0	1	11	4	0	0	0	0	0	0	0	0	0	0	16
09:15	0	3	8	3	0	0	0	0	0	0	0	0	0	0	14
09:30	0	6	40	32	5	1	0	0	0	0	0	0	0	0	84
09:45	1	2	4	3	0	0	0	0	0	0	0	0	0	0	10
10:00	0	2	1	4	1	1	0	0	0	0	0	0	0	0	9
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10:30	0	2	2	2	0	0	0	0	0	0	0	0	0	0	6
10:45	2	8	15	10	2	1	0	0	0	0	0	0	0	0	38
11:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
11:15	1	3	3	3	0	0	0	0	0	0	0	0	0	0	10
11:30	0	0	5	2	1	0	0	0	0	0	0	0	0	0	8
11:45	0	0	1	3	0	0	0	0	0	0	0	0	0	0	4
12:00	2	4	9	8	1	0	0	0	0	0	0	0	0	0	24
12:15	0	0	3	2	0	0	0	0	0	0	0	0	0	0	5
12:30	0	0	7	1	2	0	0	0	0	0	0	0	0	0	10
12:45	2	1	5	2	1	0	0	0	0	0	0	0	0	0	11
13:00	1	1	2	2	1	0	0	0	0	0	0	0	0	0	7
Total	3	2	17	7	4	0	0	0	0	0	0	0	0	0	33
	13	28	115	88	21	4	0	0	0	0	0	0	0	0	269

Chestnut Street
Btwn Sausalito St & Catalina St

North

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
12 PM	1	3	6	6	2	1	0	0	0	0	0	0	0	0	19
12:15	1	1	7	9	0	0	0	0	0	0	0	0	0	0	18
12:30	0	1	7	1	1	1	0	0	0	0	0	0	0	0	11
12:45	0	0	10	4	0	0	0	0	0	0	0	0	0	0	14
	2	5	30	20	3	2	0	0	0	0	0	0	0	0	62
13:00	0	1	3	2	1	0	0	0	0	0	0	0	0	0	7
13:15	0	0	5	5	1	0	0	0	0	0	0	0	0	0	11
13:30	2	1	5	3	2	0	0	0	0	0	0	0	0	0	13
13:45	0	1	5	12	2	1	0	0	0	0	0	0	0	0	21
	2	3	18	22	6	1	0	0	0	0	0	0	0	0	52
14:00	1	0	16	4	1	0	0	0	0	0	0	0	0	0	22
14:15	3	2	6	4	0	0	0	0	0	0	0	0	0	0	15
14:30	2	4	4	5	0	0	0	0	0	0	0	0	0	0	15
14:45	1	1	5	4	2	0	0	0	0	0	0	0	0	0	13
	7	7	31	17	3	0	0	0	0	0	0	0	0	0	65
15:00	1	1	6	3	1	0	0	0	0	0	0	0	0	0	12
15:15	0	1	10	2	4	0	0	0	0	0	0	0	0	0	17
15:30	0	3	4	5	3	0	0	0	0	0	0	0	0	0	15
15:45	1	5	5	3	1	0	0	0	0	0	0	0	0	0	15
	2	10	25	13	9	0	0	0	0	0	0	0	0	0	59
16:00	0	1	9	5	2	0	0	0	0	0	0	0	0	0	17
16:15	0	2	6	9	2	0	0	0	0	0	0	0	0	0	19
16:30	0	2	5	1	1	0	0	0	0	0	0	0	0	0	9
16:45	1	2	5	3	2	0	0	0	0	0	0	0	0	0	13
	1	7	25	18	7	0	0	0	0	0	0	0	0	0	58
17:00	0	1	5	4	3	0	0	0	0	0	0	0	0	0	13
17:15	0	1	5	5	1	1	0	0	0	0	0	0	0	0	13
17:30	0	2	2	6	0	1	0	0	0	0	0	0	0	0	11
17:45	0	0	5	4	2	1	0	0	0	0	0	0	0	0	12
	0	4	17	19	6	3	0	0	0	0	0	0	0	0	49
18:00	0	2	5	4	0	0	0	0	0	0	0	0	0	0	11
18:15	1	4	4	4	0	0	0	0	0	0	0	0	0	0	13
18:30	0	5	5	2	0	1	0	0	0	0	0	0	0	0	13
18:45	1	1	4	4	0	0	0	0	0	0	0	0	0	0	10
	2	12	18	14	0	1	0	0	0	0	0	0	0	0	47
19:00	0	4	3	1	4	0	0	0	0	0	0	0	0	0	12
19:15	0	3	4	2	0	0	0	0	0	0	0	0	0	0	9
19:30	0	3	5	1	0	0	0	0	0	0	0	0	0	0	9
19:45	0	1	3	0	0	0	0	0	0	0	0	0	0	0	4
	0	11	15	4	4	0	0	0	0	0	0	0	0	0	34
20:00	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3
20:15	0	2	3	1	0	0	0	0	0	0	0	0	0	0	6
20:30	0	2	3	5	0	0	0	0	0	0	0	0	0	0	10
20:45	0	1	3	2	1	0	0	0	0	0	0	0	0	0	7
	0	6	11	8	1	0	0	0	0	0	0	0	0	0	26
21:00	0	2	1	1	0	0	0	0	0	0	0	0	0	0	4
21:15	0	2	3	2	0	0	0	0	0	0	0	0	0	0	7
21:30	1	1	2	0	0	0	0	0	0	0	0	0	0	0	4
21:45	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
	1	5	6	4	0	0	0	0	0	0	0	0	0	0	16
22:00	0	0	1	0	2	0	0	0	0	0	0	0	0	0	3
22:15	1	1	1	1	0	0	0	0	0	0	0	0	0	0	4
22:30	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
22:45	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2
	1	2	4	1	3	0	0	0	0	0	0	0	0	0	11
23:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
23:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
Total	18	72	200	142	42	7	0	0	0	0	0	0	0	0	481
Grand Total	31	100	315	230	63	11	0	0	0	0	0	0	0	0	750

15th Percentile : 20 MPH
 50th Percentile : 24 MPH
 85th Percentile : 30 MPH
 95th Percentile : 33 MPH

Stats

Mean Speed(Average) : 24 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 545
 Percent in Pace : 72.7%
 Number of Vehicles > 25 MPH : 304
 Percent of Vehicles > 25 MPH : 40.5%

South

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
09:25/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:30	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
00:45	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	1	0	0	0	1	0	0	0	0	0	0	0	0	0	2
	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
	01:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	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
	02:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	02:30	0	1	0	0	0	0	0	0	0	0	0	0	0	1
	02:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	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
	03:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	03:30	0	0	0	0	1	0	0	0	0	0	0	0	0	1
	03:45	0	0	0	1	0	0	0	0	0	0	0	0	0	1
	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	1
	04:15	0	0	0	1	0	0	0	0	0	0	0	0	0	1
	04:30	0	0	1	0	0	0	0	0	0	0	0	0	0	1
	04:45	0	0	0	1	0	1	0	0	0	0	0	0	0	2
	0	0	1	3	0	1	0	0	0	0	0	0	0	0	5
	05:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2
	05:15	1	0	1	1	0	0	0	0	0	0	0	0	0	4
	05:30	0	0	0	1	2	0	0	0	0	0	0	0	0	3
	05:45	0	0	2	2	0	0	0	0	0	0	0	0	0	4
	1	2	3	4	3	0	0	0	0	0	0	0	0	0	13
	06:00	0	0	0	3	1	1	0	0	0	0	0	0	0	5
	06:15	0	0	1	2	1	0	0	0	0	0	0	0	0	4
	06:30	0	0	4	3	0	0	0	0	0	0	0	0	0	7
	06:45	0	1	3	8	4	0	0	0	0	0	0	0	0	16
	0	1	8	16	6	1	0	0	0	0	0	0	0	0	32
	07:00	0	0	4	4	0	2	0	0	0	0	0	0	0	10
	07:15	1	2	10	11	1	0	0	0	0	0	0	0	0	25
	07:30	0	0	12	12	2	0	0	0	0	0	0	0	0	26
	07:45	0	1	11	14	7	1	0	0	0	0	0	0	0	34
	1	3	37	41	10	3	0	0	0	0	0	0	0	0	95
	08:00	0	1	15	16	8	1	0	0	0	0	0	0	0	41
	08:15	1	4	28	21	1	1	0	0	0	0	0	0	0	56
	08:30	0	1	10	6	2	0	0	0	0	0	0	0	0	19
	08:45	0	2	6	6	2	0	0	0	0	0	0	0	0	16
	1	8	59	49	13	2	0	0	0	0	0	0	0	0	132
	09:00	2	3	3	6	0	0	0	0	0	0	0	0	0	14
	09:15	1	0	3	5	2	0	0	0	0	0	0	0	0	11
	09:30	0	2	4	6	1	0	0	0	0	0	0	0	0	13
	09:45	0	1	5	5	4	0	0	0	0	0	0	0	0	15
	3	6	15	22	7	0	0	0	0	0	0	0	0	0	53
	10:00	1	1	2	3	2	0	0	0	0	0	0	0	0	9
	10:15	0	1	5	8	0	0	0	0	0	0	0	0	0	14
	10:30	0	1	6	3	1	0	1	0	0	0	0	0	0	12
	10:45	1	2	2	8	2	0	0	0	0	0	0	0	0	15
	2	5	15	22	5	0	1	0	0	0	0	0	0	0	50
	11:00	0	0	6	3	2	0	0	0	0	0	0	0	0	11
	11:15	0	2	5	10	1	0	0	0	0	0	0	0	0	18
	11:30	2	1	9	3	4	0	0	0	0	0	0	0	0	19
	11:45	0	0	0	4	4	0	0	0	0	0	0	0	0	8
	2	3	20	20	11	0	0	0	0	0	0	0	0	0	56
Total	11	29	159	178	57	7	1	0	0	0	0	0	0	0	442

Chestnut Street
Btwn Sausalito St & Catalina St

South

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
12 PM	1	1	5	4	3	1	0	0	0	0	0	0	0	0	15
12:15	1	3	5	3	2	0	0	0	0	0	0	0	0	0	14
12:30	0	1	8	9	1	0	0	0	0	0	0	0	0	0	19
12:45	0	0	7	5	2	0	0	0	0	0	0	0	0	0	14
	2	5	25	21	8	1	0	0	0	0	0	0	0	0	62
13:00	0	0	7	8	6	0	0	0	0	0	0	0	0	0	21
13:15	0	0	5	6	6	1	0	0	0	0	0	0	0	0	18
13:30	0	1	8	9	3	0	0	0	0	0	0	0	0	0	21
13:45	0	3	12	11	7	0	0	0	0	0	0	0	0	0	33
	0	4	32	34	22	1	0	0	0	0	0	0	0	0	93
14:00	0	2	16	10	3	0	0	0	0	0	0	0	0	0	31
14:15	1	5	12	9	5	0	0	0	0	0	0	0	0	0	32
14:30	0	1	10	9	5	0	0	0	0	0	0	0	0	0	25
14:45	0	0	16	21	2	0	0	0	0	0	0	0	0	0	39
	1	8	54	49	15	0	0	0	0	0	0	0	0	0	127
15:00	1	0	8	10	3	1	0	0	0	0	0	0	0	0	23
15:15	0	0	8	7	5	1	0	0	0	0	0	0	0	0	21
15:30	1	0	7	4	2	0	0	0	0	0	0	0	0	0	14
15:45	2	1	6	15	9	0	0	0	0	0	0	0	0	0	33
	4	1	29	36	19	2	0	0	0	0	0	0	0	0	91
16:00	0	2	11	7	5	0	0	0	0	0	0	0	0	0	25
16:15	0	0	11	11	3	0	1	0	0	0	0	0	0	0	26
16:30	0	7	4	8	5	0	0	0	0	0	0	0	0	0	24
16:45	0	1	2	12	1	0	0	0	0	0	0	0	0	0	16
	0	10	28	38	14	0	1	0	0	0	0	0	0	0	91
17:00	0	2	7	15	3	0	0	0	0	0	0	0	0	0	27
17:15	2	1	4	13	2	1	0	0	0	0	0	0	0	0	23
17:30	0	0	8	9	1	1	0	0	0	0	0	0	0	0	19
17:45	0	1	10	10	2	2	0	0	0	0	0	0	0	0	25
	2	4	29	47	8	4	0	0	0	0	0	0	0	0	94
18:00	1	0	2	8	2	1	0	0	0	0	0	0	0	0	14
18:15	1	0	13	4	2	0	0	0	0	0	0	0	0	0	20
18:30	1	0	3	14	1	0	0	0	0	0	0	0	0	0	19
18:45	1	2	9	2	0	0	0	0	0	0	0	0	0	0	14
	4	2	27	28	5	1	0	0	0	0	0	0	0	0	67
19:00	0	1	3	3	0	0	0	0	0	0	0	0	0	0	7
19:15	0	0	5	4	0	0	0	0	0	0	0	0	0	0	9
19:30	1	1	8	4	0	0	0	0	0	0	0	0	0	0	14
19:45	1	1	7	1	0	0	0	0	0	0	0	0	0	0	10
	2	3	23	12	0	0	0	0	0	0	0	0	0	0	40
20:00	0	0	8	3	2	0	0	0	0	0	0	0	0	0	13
20:15	0	1	3	4	0	0	0	0	0	0	0	0	0	0	8
20:30	1	0	4	4	0	0	0	0	0	0	0	0	0	0	9
20:45	1	0	3	1	1	0	0	0	0	0	0	0	0	0	6
	2	1	18	12	3	0	0	0	0	0	0	0	0	0	36
21:00	1	0	1	3	0	0	0	0	0	0	0	0	0	0	5
21:15	0	2	4	2	0	0	0	0	0	0	0	0	0	0	8
21:30	0	0	3	1	0	0	0	0	0	0	0	0	0	0	4
21:45	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3
	1	3	10	6	0	0	0	0	0	0	0	0	0	0	20
22:00	0	1	1	1	0	0	0	0	0	0	0	0	0	0	3
22:15	0	2	0	1	0	0	0	0	0	0	0	0	0	0	3
22:30	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
22:45	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
	0	3	3	3	0	0	0	0	0	0	0	0	0	0	9
23:00	1	0	2	2	0	0	0	0	0	0	0	0	0	0	5
23:15	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
23:30	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
23:45	1	0	3	1	0	0	0	0	0	0	0	0	0	0	5
	2	0	7	3	0	0	0	0	0	0	0	0	0	0	12
Total	20	44	285	289	94	9	1	0	0	0	0	0	0	0	742
Grand Total	31	73	444	467	151	16	2	0	0	0	0	0	0	0	1184

15th Percentile : 21 MPH
 50th Percentile : 26 MPH
 85th Percentile : 30 MPH
 95th Percentile : 34 MPH

Stats
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 911
 Percent in Pace : 76.9%
 Number of Vehicles > 25 MPH : 636
 Percent of Vehicles > 25 MPH : 53.7%

Chestnut Street
Btwn Sausalito St & Catalina St

North, South

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
12 PM	2	4	11	10	5	2	0	0	0	0	0	0	0	0	0	34
12:15	2	4	12	12	2	0	0	0	0	0	0	0	0	0	0	32
12:30	0	2	15	10	2	1	0	0	0	0	0	0	0	0	0	30
12:45	0	0	17	9	2	0	0	0	0	0	0	0	0	0	0	28
13:00	4	10	55	41	11	3	0	0	0	0	0	0	0	0	0	124
13:15	0	1	10	10	7	0	0	0	0	0	0	0	0	0	0	28
13:30	0	0	10	11	7	1	0	0	0	0	0	0	0	0	0	29
13:45	2	2	13	12	5	0	0	0	0	0	0	0	0	0	0	34
14:00	0	4	17	23	9	1	0	0	0	0	0	0	0	0	0	54
14:15	2	7	50	56	28	2	0	0	0	0	0	0	0	0	0	145
14:30	1	2	32	14	4	0	0	0	0	0	0	0	0	0	0	53
14:45	4	7	18	13	5	0	0	0	0	0	0	0	0	0	0	47
15:00	2	5	14	14	5	0	0	0	0	0	0	0	0	0	0	40
15:15	1	1	21	25	4	0	0	0	0	0	0	0	0	0	0	52
15:30	8	15	85	66	18	0	0	0	0	0	0	0	0	0	0	192
15:45	2	1	14	13	4	1	0	0	0	0	0	0	0	0	0	35
16:00	0	1	18	9	9	1	0	0	0	0	0	0	0	0	0	38
16:15	1	3	11	9	5	0	0	0	0	0	0	0	0	0	0	29
16:30	3	6	11	18	10	0	0	0	0	0	0	0	0	0	0	48
16:45	6	11	54	49	28	2	0	0	0	0	0	0	0	0	0	150
17:00	0	3	20	12	7	0	0	0	0	0	0	0	0	0	0	42
17:15	0	2	17	20	5	0	1	0	0	0	0	0	0	0	0	45
17:30	0	9	9	9	6	0	0	0	0	0	0	0	0	0	0	33
17:45	1	3	7	15	3	0	0	0	0	0	0	0	0	0	0	29
18:00	1	17	53	56	21	0	1	0	0	0	0	0	0	0	0	149
18:15	0	3	12	19	6	0	0	0	0	0	0	0	0	0	0	40
18:30	2	2	9	18	3	2	0	0	0	0	0	0	0	0	0	36
18:45	0	2	10	15	1	2	0	0	0	0	0	0	0	0	0	30
19:00	0	1	15	14	4	3	0	0	0	0	0	0	0	0	0	37
19:15	2	8	46	66	14	7	0	0	0	0	0	0	0	0	0	143
19:30	1	2	7	12	2	1	0	0	0	0	0	0	0	0	0	25
19:45	2	4	17	8	2	0	0	0	0	0	0	0	0	0	0	33
20:00	1	5	8	16	1	1	0	0	0	0	0	0	0	0	0	32
20:15	2	3	13	6	0	0	0	0	0	0	0	0	0	0	0	24
20:30	6	14	45	42	5	2	0	0	0	0	0	0	0	0	0	114
20:45	0	5	6	4	4	0	0	0	0	0	0	0	0	0	0	19
21:00	0	3	9	6	0	0	0	0	0	0	0	0	0	0	0	18
21:15	1	4	13	5	0	0	0	0	0	0	0	0	0	0	0	23
21:30	1	2	10	1	0	0	0	0	0	0	0	0	0	0	0	14
21:45	2	14	38	16	4	0	0	0	0	0	0	0	0	0	0	74
22:00	0	1	10	3	2	0	0	0	0	0	0	0	0	0	0	16
22:15	0	3	6	5	0	0	0	0	0	0	0	0	0	0	0	14
22:30	1	2	7	9	0	0	0	0	0	0	0	0	0	0	0	19
22:45	1	1	6	3	2	0	0	0	0	0	0	0	0	0	0	13
23:00	2	7	29	20	4	0	0	0	0	0	0	0	0	0	0	62
23:15	1	2	2	4	0	0	0	0	0	0	0	0	0	0	0	9
23:30	0	4	7	4	0	0	0	0	0	0	0	0	0	0	0	15
23:45	1	1	5	1	0	0	0	0	0	0	0	0	0	0	0	8
24:00	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	4
24:15	2	8	16	10	0	0	0	0	0	0	0	0	0	0	0	36
24:30	0	1	2	1	2	0	0	0	0	0	0	0	0	0	0	6
24:45	1	3	1	2	0	0	0	0	0	0	0	0	0	0	0	7
25:00	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
25:15	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	4
25:30	1	5	7	4	3	0	0	0	0	0	0	0	0	0	0	20
25:45	1	0	2	4	0	0	0	0	0	0	0	0	0	0	0	7
26:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
26:15	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
26:30	1	0	3	1	0	0	0	0	0	0	0	0	0	0	0	5
26:45	2	0	7	5	0	0	0	0	0	0	0	0	0	0	0	14
Total	38	116	485	431	136	16	1	0	0	0	0	0	0	0	0	1223
Grand Total	62	173	759	697	214	27	2	0	0	0	0	0	0	0	0	1934

15th Percentile : 21 MPH
 50th Percentile : 25 MPH
 85th Percentile : 30 MPH
 95th Percentile : 34 MPH

Stats
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 1456
 Percent in Pace : 75.3%
 Number of Vehicles > 25 MPH : 940
 Percent of Vehicles > 25 MPH : 48.6%

SPEED DATA
WALNUT STREET
BETWEEN
SAUSALITO AND CATALINA
9/25/2019

Walnut Street
Btwn Catalina St & Florista St

North

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
09/25/19	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2
00:15	0	0	0	2	1	0	0	0	0	0	0	0	0	0	3
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	1	2	1	1	0	0	0	0	0	0	0	0	5
01:15	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
02:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
02:45	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
03:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
03:45	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
04:15	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:45	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
05:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:45	0	0	1	3	0	0	0	0	0	0	0	0	0	0	4
06:00	0	0	1	3	0	0	0	0	0	0	0	0	0	0	4
06:15	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
06:30	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
06:45	0	0	0	2	0	1	0	0	0	0	0	0	0	0	3
07:00	0	0	1	4	0	1	0	0	0	0	0	0	0	0	6
07:15	0	1	2	3	0	0	0	0	0	0	0	0	0	0	6
07:30	0	1	1	3	1	0	0	0	0	0	0	0	0	0	6
07:45	1	0	3	10	6	0	0	0	0	0	0	0	0	0	20
08:00	0	1	3	7	1	0	0	0	0	0	0	0	0	0	12
08:15	1	3	9	23	8	0	0	0	0	0	0	0	0	0	44
08:30	1	4	10	15	5	1	0	0	0	0	0	0	0	0	36
08:45	0	0	8	18	6	0	1	0	0	0	0	0	0	0	33
09:00	0	1	1	6	4	1	0	0	0	0	0	0	0	0	13
09:15	0	0	1	1	1	0	0	0	0	0	0	0	0	0	3
09:30	1	5	20	40	16	2	1	0	0	0	0	0	0	0	85
09:45	0	1	0	2	1	0	0	0	0	0	0	0	0	0	4
10:00	0	0	5	1	0	1	0	0	0	0	0	0	0	0	7
10:15	1	0	1	1	1	0	0	0	0	0	0	0	0	0	4
10:30	0	1	0	2	0	0	0	0	0	0	0	0	0	0	3
10:45	1	2	6	6	2	1	0	0	0	0	0	0	0	0	18
11:00	1	2	1	1	0	0	0	0	0	0	0	0	0	0	5
11:15	0	0	4	1	0	0	0	0	0	0	0	0	0	0	5
11:30	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
11:45	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
12:00	1	2	6	4	1	0	0	0	0	0	0	0	0	0	14
12:15	0	2	0	1	1	0	0	0	0	0	0	0	0	0	4
12:30	0	1	1	3	1	0	0	0	0	0	0	0	0	0	6
12:45	0	1	1	5	0	0	0	0	0	0	0	0	0	0	7
13:00	1	0	0	3	0	0	0	0	0	0	0	0	0	0	4
Total	1	4	2	12	2	0	0	0	0	0	0	0	0	0	21
	5	18	48	95	31	5	1	0	0	0	0	0	0	0	203

Walnut Street
Btwn Catalina St & Florista St

North

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
12 PM	0	0	2	3	1	0	0	0	0	0	0	0	0	0	6
12:15	0	0	4	2	0	0	0	0	0	0	0	0	0	0	6
12:30	1	2	2	4	1	0	0	0	0	0	0	0	0	0	10
12:45	0	0	1	6	0	0	0	0	0	0	0	0	0	0	7
13:00	1	2	9	15	2	0	0	0	0	0	0	0	0	0	29
13:15	1	1	3	2	2	0	1	0	0	0	0	0	0	0	10
13:30	0	0	3	2	2	0	0	0	0	0	0	0	0	0	7
13:45	1	2	9	6	0	0	0	0	0	0	0	0	0	0	18
14:00	2	3	17	8	2	0	0	0	0	0	0	0	0	0	32
14:15	4	6	32	18	6	0	1	0	0	0	0	0	0	0	67
14:30	0	7	11	10	2	0	0	0	0	0	0	0	0	0	30
14:45	0	3	5	4	1	0	0	0	0	0	0	0	0	0	13
15:00	0	1	4	5	0	0	0	0	0	0	0	0	0	0	10
15:15	0	0	0	6	2	0	0	0	0	0	0	0	0	0	8
15:30	0	11	20	25	5	0	0	0	0	0	0	0	0	0	61
15:45	1	0	3	2	0	0	0	0	0	0	0	0	0	0	6
16:00	0	1	3	3	1	0	0	0	0	0	0	0	0	0	8
16:15	0	1	4	4	1	0	0	0	0	0	0	0	0	0	10
16:30	1	4	5	1	3	0	0	0	0	0	0	0	0	0	14
16:45	2	6	15	10	5	0	0	0	0	0	0	0	0	0	38
17:00	0	1	6	6	0	0	0	0	0	0	0	0	0	0	13
17:15	0	0	2	4	0	1	0	0	0	0	0	0	0	0	7
17:30	0	0	0	4	3	0	0	0	0	0	0	0	0	0	7
17:45	0	0	4	6	1	0	0	0	0	0	0	0	0	0	11
18:00	0	1	12	20	4	1	0	0	0	0	0	0	0	0	38
18:15	0	1	4	4	0	0	0	0	0	0	0	0	0	0	9
18:30	1	1	2	3	1	0	0	0	0	0	0	0	0	0	8
18:45	0	0	3	6	5	1	0	0	0	0	0	0	0	0	15
19:00	0	0	4	5	0	0	0	0	0	0	0	0	0	0	9
19:15	1	2	13	18	6	1	0	0	0	0	0	0	0	0	41
19:30	1	0	2	4	4	0	0	0	0	0	0	0	0	0	11
19:45	0	0	4	2	1	0	0	0	0	0	0	0	0	0	7
20:00	1	2	3	3	0	0	0	0	0	0	0	0	0	0	9
20:15	1	3	2	3	0	0	0	0	0	0	0	0	0	0	9
20:30	3	5	11	12	5	0	0	0	0	0	0	0	0	0	36
20:45	0	1	2	1	0	0	0	0	0	0	0	0	0	0	4
21:00	3	2	1	2	0	0	0	0	0	0	0	0	0	0	8
21:15	0	0	4	2	1	0	0	0	0	0	0	0	0	0	7
21:30	0	0	1	2	1	0	0	0	0	0	0	0	0	0	4
21:45	0	0	1	2	1	0	0	0	0	0	0	0	0	0	4
22:00	3	3	8	7	2	0	0	0	0	0	0	0	0	0	23
22:15	0	1	3	1	1	0	0	0	0	0	0	0	0	0	6
22:30	0	0	0	3	1	0	0	0	0	0	0	0	0	0	4
22:45	0	2	3	0	0	0	0	0	0	0	0	0	0	0	5
23:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
23:15	0	3	7	4	2	0	0	0	0	0	0	0	0	0	16
23:30	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
23:45	0	1	1	1	0	0	0	0	0	0	0	0	0	0	3
24:00	0	0	2	2	0	0	0	0	0	0	0	0	0	0	4
24:15	0	0	2	0	0	1	0	0	0	0	0	0	0	0	3
24:30	0	1	5	4	0	1	0	0	0	0	0	0	0	0	11
24:45	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
25:00	1	0	1	1	0	0	0	0	0	0	0	0	0	0	3
25:15	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2
25:30	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
25:45	3	0	2	3	0	0	0	0	0	0	0	0	0	0	8
26:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26:15	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
26:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
Total	17	40	134	137	38	3	1	0	0	0	0	0	0	0	370
Grand Total	22	58	182	232	69	8	2	0	0	0	0	0	0	0	573

15th Percentile : 21 MPH
 50th Percentile : 26 MPH
 85th Percentile : 30 MPH
 95th Percentile : 34 MPH

Stats
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 414
 Percent in Pace : 72.3%
 Number of Vehicles > 25 MPH : 311
 Percent of Vehicles > 25 MPH : 54.3%

Walnut Street
Btwn Catalina St & Florista St

South

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
09/25/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:15	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:45	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
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	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
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	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
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
05:00	0	1	2	1	0	0	0	0	0	0	0	0	0	0	4
	0	1	1	1	0	0	0	0	0	0	0	0	0	0	3
	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
06:00	0	1	1	2	0	1	0	0	0	0	0	0	0	0	5
	0	1	0	1	1	0	0	0	0	0	0	0	0	0	3
	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
	1	0	2	2	1	0	0	0	0	0	0	0	0	0	6
	0	0	1	3	1	0	0	0	0	0	0	0	0	0	5
07:00	1	4	3	6	3	0	0	0	0	0	0	0	0	0	17
	0	0	3	2	0	1	0	0	0	0	0	0	0	0	6
	2	5	2	3	1	0	0	0	0	0	0	0	0	0	13
	0	1	5	11	0	0	0	0	0	0	0	0	0	0	17
	1	3	11	5	2	0	0	0	0	0	0	0	0	0	22
08:00	3	9	21	21	3	1	0	0	0	0	0	0	0	0	58
	0	3	8	5	0	0	0	0	0	0	0	0	0	0	16
	0	0	4	7	1	0	0	0	0	0	0	0	0	0	12
	1	1	5	4	2	0	0	0	0	0	0	0	0	0	13
	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3
09:00	1	5	19	16	3	0	0	0	0	0	0	0	0	0	44
	0	3	1	2	0	0	0	0	0	0	0	0	0	0	6
	0	2	4	3	0	0	0	0	0	0	0	0	0	0	9
	0	1	4	2	1	0	0	0	0	0	0	0	0	0	8
	0	1	3	1	0	0	0	0	0	0	0	0	0	0	5
10:00	0	7	12	8	1	0	0	0	0	0	0	0	0	0	28
	0	0	1	4	1	1	0	0	0	0	0	0	0	0	7
	1	1	2	2	0	0	0	0	0	0	0	0	0	0	6
	0	0	2	2	0	0	0	0	0	0	0	0	0	0	4
	0	0	0	2	1	2	0	0	0	0	0	0	0	0	5
11:00	1	1	5	10	2	3	0	0	0	0	0	0	0	0	22
	0	0	1	2	0	0	0	0	0	0	0	0	0	0	3
	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2
	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3
	0	1	1	4	0	0	0	0	0	0	0	0	0	0	6
Total	1	2	5	6	0	0	0	0	0	0	0	0	0	0	14
	7	30	70	70	12	5	0	0	0	0	0	0	0	0	194

Walnut Street
Btwn Catalina St & Florista St

South

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
12 PM	2	1	1	2	1	0	0	0	0	0	0	0	0	0	7
12:15	0	0	1	3	0	0	0	0	0	0	0	0	0	0	4
12:30	0	1	3	4	0	0	0	0	0	0	0	0	0	0	8
12:45	2	0	4	0	0	0	0	0	0	0	0	0	0	0	6
	4	2	9	9	1	0	0	0	0	0	0	0	0	0	25
13:00	1	0	4	2	2	0	0	0	0	0	0	0	0	0	9
13:15	0	0	1	5	2	0	0	0	0	0	0	0	0	0	8
13:30	0	1	6	5	1	0	0	0	0	0	0	0	0	0	13
13:45	0	2	4	4	2	0	0	0	0	0	0	0	0	0	12
	1	3	15	16	7	0	0	0	0	0	0	0	0	0	42
14:00	5	8	15	5	0	0	0	0	0	0	0	0	0	0	33
14:15	3	1	5	3	1	0	1	0	0	0	0	0	0	0	14
14:30	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
14:45	0	1	4	5	1	0	0	0	0	0	0	0	0	0	11
	8	10	26	13	2	0	1	0	0	0	0	0	0	0	60
15:00	0	3	3	4	0	0	0	0	0	0	0	0	0	0	10
15:15	1	0	3	5	1	0	0	0	0	0	0	0	0	0	10
15:30	0	2	4	3	1	0	0	0	0	0	0	0	0	0	10
15:45	1	1	4	6	5	0	0	0	0	0	0	0	0	0	17
	2	6	14	18	7	0	0	0	0	0	0	0	0	0	47
16:00	0	0	2	3	3	0	0	0	0	0	0	0	0	0	8
16:15	0	3	2	4	1	1	0	0	0	0	0	0	0	0	11
16:30	0	2	3	2	2	1	0	0	0	0	0	0	0	0	10
16:45	1	1	5	2	1	0	0	0	0	0	0	0	0	0	10
	1	6	12	11	7	2	0	0	0	0	0	0	0	0	39
17:00	0	1	1	2	5	0	0	0	0	0	0	0	0	0	9
17:15	0	1	2	3	2	0	0	0	0	0	0	0	0	0	8
17:30	0	0	2	4	0	0	0	0	0	0	0	0	0	0	6
17:45	0	0	3	2	1	1	0	0	0	0	0	0	0	0	7
	0	2	8	11	8	1	0	0	0	0	0	0	0	0	30
18:00	0	0	1	2	3	0	0	0	0	0	0	0	0	0	6
18:15	0	0	2	1	1	0	0	0	0	0	0	0	0	0	4
18:30	1	0	0	2	1	0	0	0	0	0	0	0	0	0	4
18:45	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3
	1	0	6	5	5	0	0	0	0	0	0	0	0	0	17
19:00	0	2	0	2	0	0	0	0	0	0	0	0	0	0	4
19:15	1	1	3	3	0	0	0	0	0	0	0	0	0	0	8
19:30	0	0	5	1	0	0	0	0	0	0	0	0	0	0	6
19:45	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
	1	3	9	6	0	0	0	0	0	0	0	0	0	0	19
20:00	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3
20:15	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:45	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	1	0	4	1	0	0	0	0	0	0	0	0	0	0	6
21:00	0	1	3	0	0	0	0	0	0	0	0	0	0	0	4
21:15	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
21:30	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
21:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	4	0	2	0	0	0	0	0	0	0	0	0	7
22:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
22:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
22:45	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
	1	0	0	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
23:15	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Total	20	33	108	93	39	3	1	0	0	0	0	0	0	0	297
Grand Total	27	63	178	163	51	8	1	0	0	0	0	0	0	0	491

15th Percentile : 19 MPH
 50th Percentile : 25 MPH
 85th Percentile : 30 MPH
 95th Percentile : 34 MPH

Stats

Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 341
 Percent in Pace : 69.5%
 Number of Vehicles > 25 MPH : 223
 Percent of Vehicles > 25 MPH : 45.4%

Walnut Street
Btwn Catalina St & Florista St

North, South

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
09/25/19	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2
00:15	0	0	1	2	1	0	0	0	0	0	0	0	0	0	4
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	2	2	1	1	0	0	0	0	0	0	0	0	6
01:15	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
01:30	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
01:45	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
02:15	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:45	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2
03:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
03:45	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
04:15	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:30	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:45	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
05:00	0	1	3	1	0	0	0	0	0	0	0	0	0	0	5
05:15	0	1	1	1	0	0	0	0	0	0	0	0	0	0	3
05:30	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
05:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	1	4	0	0	0	0	0	0	0	0	0	0	5
06:15	0	1	2	5	0	1	0	0	0	0	0	0	0	0	9
06:30	0	1	0	2	1	0	0	0	0	0	0	0	0	0	4
06:45	0	3	1	0	0	0	0	0	0	0	0	0	0	0	4
07:00	1	0	2	3	1	0	0	0	0	0	0	0	0	0	7
07:15	0	0	1	5	1	1	0	0	0	0	0	0	0	0	8
07:30	1	4	4	10	3	1	0	0	0	0	0	0	0	0	23
07:45	0	1	5	5	0	1	0	0	0	0	0	0	0	0	12
08:00	2	6	3	6	2	0	0	0	0	0	0	0	0	0	19
08:15	1	1	8	21	6	0	0	0	0	0	0	0	0	0	37
08:30	1	4	14	12	3	0	0	0	0	0	0	0	0	0	34
08:45	4	12	30	44	11	1	0	0	0	0	0	0	0	0	102
09:00	1	7	18	20	5	1	0	0	0	0	0	0	0	0	52
09:15	0	0	12	25	7	0	1	0	0	0	0	0	0	0	45
09:30	1	2	6	10	6	1	0	0	0	0	0	0	0	0	26
09:45	0	1	3	1	1	0	0	0	0	0	0	0	0	0	6
10:00	2	10	39	56	19	2	1	0	0	0	0	0	0	0	129
10:15	0	4	1	4	1	0	0	0	0	0	0	0	0	0	10
10:30	0	2	9	4	0	1	0	0	0	0	0	0	0	0	16
10:45	1	1	5	3	2	0	0	0	0	0	0	0	0	0	12
11:00	0	2	3	3	0	0	0	0	0	0	0	0	0	0	8
11:15	1	9	18	14	3	1	0	0	0	0	0	0	0	0	46
11:30	1	2	2	5	1	1	0	0	0	0	0	0	0	0	12
11:45	1	1	6	3	0	0	0	0	0	0	0	0	0	0	11
12:00	0	0	2	3	1	0	0	0	0	0	0	0	0	0	6
12:15	0	0	1	3	1	2	0	0	0	0	0	0	0	0	7
12:30	2	3	11	14	3	3	0	0	0	0	0	0	0	0	36
12:45	0	2	1	3	1	0	0	0	0	0	0	0	0	0	7
13:00	1	1	2	3	1	0	0	0	0	0	0	0	0	0	8
13:15	0	2	3	5	0	0	0	0	0	0	0	0	0	0	10
13:30	1	1	1	7	0	0	0	0	0	0	0	0	0	0	10
13:45	2	6	7	18	2	0	0	0	0	0	0	0	0	0	35
Total	12	48	118	165	43	10	1	0	0	0	0	0	0	0	397

Walnut Street
Btwn Catalina St & Florista St

North, South

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
12 PM	2	1	3	5	2	0	0	0	0	0	0	0	0	0	13
12:15	0	0	5	5	0	0	0	0	0	0	0	0	0	0	10
12:30	1	3	5	8	1	0	0	0	0	0	0	0	0	0	18
12:45	2	0	5	6	0	0	0	0	0	0	0	0	0	0	13
	5	4	18	24	3	0	0	0	0	0	0	0	0	0	54
13:00	2	1	7	4	4	0	1	0	0	0	0	0	0	0	19
13:15	0	0	4	7	4	0	0	0	0	0	0	0	0	0	15
13:30	1	3	15	11	1	0	0	0	0	0	0	0	0	0	31
13:45	2	5	21	12	4	0	0	0	0	0	0	0	0	0	44
	5	9	47	34	13	0	1	0	0	0	0	0	0	0	109
14:00	5	15	26	15	2	0	0	0	0	0	0	0	0	0	63
14:15	3	4	10	7	2	0	1	0	0	0	0	0	0	0	27
14:30	0	1	6	5	0	0	0	0	0	0	0	0	0	0	12
14:45	0	1	4	11	3	0	0	0	0	0	0	0	0	0	19
	8	21	46	38	7	0	1	0	0	0	0	0	0	0	121
15:00	1	3	6	6	0	0	0	0	0	0	0	0	0	0	16
15:15	1	1	6	8	2	0	0	0	0	0	0	0	0	0	18
15:30	0	3	8	7	2	0	0	0	0	0	0	0	0	0	20
15:45	2	5	9	7	8	0	0	0	0	0	0	0	0	0	31
	4	12	29	28	12	0	0	0	0	0	0	0	0	0	85
16:00	0	1	8	9	3	0	0	0	0	0	0	0	0	0	21
16:15	0	3	4	8	1	2	0	0	0	0	0	0	0	0	18
16:30	0	2	3	6	5	1	0	0	0	0	0	0	0	0	17
16:45	1	1	9	8	2	0	0	0	0	0	0	0	0	0	21
	1	7	24	31	11	3	0	0	0	0	0	0	0	0	77
17:00	0	2	5	6	5	0	0	0	0	0	0	0	0	0	18
17:15	1	2	4	6	3	0	0	0	0	0	0	0	0	0	16
17:30	0	0	5	10	5	1	0	0	0	0	0	0	0	0	21
17:45	0	0	7	7	1	1	0	0	0	0	0	0	0	0	16
	1	4	21	29	14	2	0	0	0	0	0	0	0	0	71
18:00	1	0	3	6	7	0	0	0	0	0	0	0	0	0	17
18:15	0	0	6	3	2	0	0	0	0	0	0	0	0	0	11
18:30	2	2	3	5	1	0	0	0	0	0	0	0	0	0	13
18:45	1	3	5	3	0	0	0	0	0	0	0	0	0	0	12
	4	5	17	17	10	0	0	0	0	0	0	0	0	0	53
19:00	0	3	2	3	0	0	0	0	0	0	0	0	0	0	8
19:15	4	3	4	5	0	0	0	0	0	0	0	0	0	0	16
19:30	0	0	9	3	1	0	0	0	0	0	0	0	0	0	13
19:45	0	0	2	2	1	0	0	0	0	0	0	0	0	0	5
	4	6	17	13	2	0	0	0	0	0	0	0	0	0	42
20:00	0	1	5	2	1	0	0	0	0	0	0	0	0	0	9
20:15	0	0	2	3	1	0	0	0	0	0	0	0	0	0	6
20:30	0	2	3	0	0	0	0	0	0	0	0	0	0	0	5
20:45	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2
	1	3	11	5	2	0	0	0	0	0	0	0	0	0	22
21:00	0	1	3	1	0	0	0	0	0	0	0	0	0	0	5
21:15	0	1	1	1	2	0	0	0	0	0	0	0	0	0	5
21:30	0	0	3	2	0	0	0	0	0	0	0	0	0	0	5
21:45	0	0	2	0	0	1	0	0	0	0	0	0	0	0	3
	0	2	9	4	2	1	0	0	0	0	0	0	0	0	18
22:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
22:15	1	0	1	1	0	0	0	0	0	0	0	0	0	0	3
22:30	1	0	1	2	0	0	0	0	0	0	0	0	0	0	4
22:45	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3
	4	0	2	6	0	0	0	0	0	0	0	0	0	0	12
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:15	0	0	1	1	1	0	0	0	0	0	0	0	0	0	3
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	1	1	1	0	0	0	0	0	0	0	0	0	3
Total	37	73	242	230	77	6	2	0	0	0	0	0	0	0	667
Grand Total	49	121	360	395	120	16	3	0	0	0	0	0	0	0	1064

15th Percentile : 20 MPH
 50th Percentile : 26 MPH
 85th Percentile : 30 MPH
 95th Percentile : 34 MPH

Stats Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 755
 Percent in Pace : 71.0%
 Number of Vehicles > 25 MPH : 534
 Percent of Vehicles > 25 MPH : 50.2%

ATTACHMENT 2

SPEED DATA
CHESTNUT STREET
BETWEEN
CATALINA AND FLORISTA
1/14/2020

Chestnut Street
Btwn Catalina St & Florista St

North

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
01/14/20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:30	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
00:45	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
01:15	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
01:30	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
01:45	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
02:00	0	0	2	0	4	0	0	0	0	0	0	0	0	0	6
02:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:45	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
03:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
03:15	0	0	0	0	3	0	0	0	0	0	0	0	0	0	3
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:45	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	1	3	0	0	0	0	0	0	0	0	0	4
04:15	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:45	0	0	0	1	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
05:15	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
05:30	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
05:45	0	0	1	2	0	0	0	0	0	0	0	0	0	0	3
06:00	0	1	1	2	0	0	0	0	0	0	0	0	0	0	4
06:15	0	1	3	5	1	0	0	0	0	0	0	0	0	0	10
06:30	0	0	0	2	1	0	0	0	0	0	0	0	0	0	3
06:45	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3
07:00	0	0	0	4	3	0	0	0	0	0	0	0	0	0	7
07:15	0	1	1	3	2	0	0	0	0	0	0	0	0	0	7
07:30	0	1	1	12	6	0	0	0	0	0	0	0	0	0	20
07:45	0	0	1	4	0	0	0	0	0	0	0	0	0	0	5
08:00	0	1	6	7	5	0	0	0	0	0	0	0	0	0	19
08:15	1	0	10	19	8	1	0	0	0	0	0	0	0	0	39
08:30	0	0	2	6	2	0	0	0	0	0	0	0	0	0	10
08:45	1	1	19	36	15	1	0	0	0	0	0	0	0	0	73
09:00	1	0	4	11	2	1	0	0	0	0	0	0	0	0	19
09:15	0	1	5	21	6	0	0	0	0	0	0	0	0	0	33
09:30	0	0	4	11	5	4	0	0	0	0	0	0	0	0	24
09:45	0	1	3	4	4	0	1	0	0	0	0	0	0	0	13
10:00	1	2	16	47	17	5	1	0	0	0	0	0	0	0	89
10:15	0	0	1	4	0	0	0	0	0	0	0	0	0	0	5
10:30	1	0	1	3	0	0	0	0	0	0	0	0	0	0	5
10:45	0	0	1	3	1	0	0	0	0	0	0	0	0	0	5
11:00	0	0	1	6	4	0	0	0	0	0	0	0	0	0	11
11:15	1	0	4	16	5	0	0	0	0	0	0	0	0	0	26
11:30	0	0	2	4	3	0	0	0	0	0	0	0	0	0	9
11:45	1	1	1	4	1	0	1	0	0	0	0	0	0	0	9
12:00	0	1	1	4	3	0	0	0	0	0	0	0	0	0	9
12:15	0	1	1	4	3	0	0	0	0	0	0	0	0	0	9
12:30	0	1	1	4	3	0	0	0	0	0	0	0	0	0	9
12:45	1	1	0	3	0	0	0	0	0	0	0	0	0	0	5
Total	1	4	7	12	6	1	0	0	0	0	0	0	0	0	31
Total	6	13	60	144	65	7	2	0	0	0	0	0	0	0	297

Chestnut Street
Btwn Catalina St & Florista St

North

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
12 PM	0	1	5	2	1	0	0	0	0	0	0	0	0	0	0	9
12:15	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	3
12:30	0	0	4	2	1	0	0	0	0	0	0	0	0	0	0	7
12:45	0	0	7	2	1	0	0	0	0	0	0	0	0	0	0	10
	0	2	18	6	3	0	0	0	0	0	0	0	0	0	0	29
13:00	0	0	4	5	4	0	0	0	0	0	0	0	0	0	0	13
13:15	0	0	3	2	4	0	0	0	0	0	0	0	0	0	0	9
13:30	0	0	5	3	1	1	0	0	0	0	0	0	0	0	0	10
13:45	0	1	6	5	0	0	0	0	0	0	0	0	0	0	0	12
	0	1	18	15	9	1	0	0	0	0	0	0	0	0	0	44
14:00	0	0	2	10	2	2	0	0	0	0	0	0	0	0	0	16
14:15	0	0	5	5	3	1	0	0	0	0	0	0	0	0	0	14
14:30	0	2	6	6	3	0	0	0	0	0	0	0	0	0	0	17
14:45	1	2	5	9	2	0	0	0	0	0	0	0	0	0	0	19
	1	4	18	30	10	3	0	0	0	0	0	0	0	0	0	66
15:00	1	3	8	8	1	1	0	0	0	0	0	0	0	0	0	22
15:15	0	4	7	5	4	0	0	0	0	0	0	0	0	0	0	20
15:30	0	1	5	9	1	2	0	0	0	0	0	0	0	0	0	18
15:45	0	1	4	6	2	0	0	0	0	0	0	0	0	0	0	13
	1	9	24	28	8	3	0	0	0	0	0	0	0	0	0	73
16:00	0	0	2	5	5	1	0	0	0	0	0	0	0	0	0	13
16:15	0	2	5	5	2	1	0	0	0	0	0	0	0	0	0	15
16:30	0	0	5	2	0	0	0	0	0	0	0	0	0	0	0	7
16:45	1	0	6	3	2	0	0	0	0	0	0	0	0	0	0	12
	1	2	18	15	9	2	0	0	0	0	0	0	0	0	0	47
17:00	0	3	1	4	2	0	0	0	0	0	0	0	0	0	0	10
17:15	0	0	2	2	2	0	0	0	0	0	0	0	0	0	0	6
17:30	1	1	6	4	3	0	0	0	0	0	0	0	0	0	0	15
17:45	0	1	3	7	2	1	0	0	0	0	0	0	0	0	0	14
	1	5	12	17	9	1	0	0	0	0	0	0	0	0	0	45
18:00	0	1	1	6	1	1	0	0	0	0	0	0	0	0	0	10
18:15	0	0	3	2	2	0	0	0	0	0	0	0	0	0	0	7
18:30	0	1	3	4	2	0	0	0	0	0	0	0	0	0	0	10
18:45	1	1	0	6	0	0	0	0	0	0	0	0	0	0	0	8
	1	3	7	18	5	1	0	0	0	0	0	0	0	0	0	35
19:00	2	1	0	5	0	0	0	0	0	0	0	0	0	0	0	8
19:15	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	5
19:30	0	0	6	3	3	0	0	0	0	0	0	0	0	0	0	12
19:45	0	0	5	3	0	0	0	0	0	0	0	0	0	0	0	8
	2	1	15	12	3	0	0	0	0	0	0	0	0	0	0	33
20:00	0	1	1	2	2	0	0	0	0	0	0	0	0	0	0	6
20:15	0	0	3	2	0	0	0	0	0	0	0	0	0	0	0	5
20:30	0	0	1	2	2	0	0	0	0	0	0	0	0	0	0	5
20:45	0	1	2	2	0	0	0	0	0	0	0	0	0	0	0	5
	0	2	7	8	4	0	0	0	0	0	0	0	0	0	0	21
21:00	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3
21:15	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
21:30	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3
21:45	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	4
	0	1	1	8	1	0	0	0	0	0	0	0	0	0	0	11
22:00	0	0	2	3	0	0	0	0	0	0	0	0	0	0	0	5
22:15	1	1	1	0	3	0	0	0	0	0	0	0	0	0	0	6
22:30	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
22:45	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
	1	1	4	5	3	0	0	0	0	0	0	0	0	0	0	14
23:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
23:15	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2
23:30	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
23:45	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	5
Total	9	32	144	163	64	11	0	0	0	0	0	0	0	0	0	423
Grand Total	15	45	204	307	129	18	2	0	0	0	0	0	0	0	0	720

15th Percentile : 22 MPH
 50th Percentile : 27 MPH
 85th Percentile : 32 MPH
 95th Percentile : 35 MPH

Stats Mean Speed(Average) : 27 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 511
 Percent in Pace : 71.0%
 Number of Vehicles > 25 MPH : 456
 Percent of Vehicles > 25 MPH : 63.3%

Chestnut Street
Btwn Catalina St & Florista St

South

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
01/14/20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:45	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
01:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:45	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
02:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:45	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
03:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:45	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:15	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:30	0	0	3	1	1	0	0	0	0	0	0	0	0	0	5
04:45	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
05:00	0	0	4	2	1	0	0	0	0	0	0	0	0	0	7
05:15	0	0	0	2	3	0	0	0	0	0	0	0	0	0	5
05:30	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
05:45	0	0	1	3	1	0	0	0	0	0	0	0	0	0	5
06:00	0	0	0	1	2	0	0	0	0	0	0	0	0	0	3
06:15	0	0	1	6	7	0	0	0	0	0	0	0	0	0	14
06:30	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
06:45	0	0	1	3	0	0	0	0	0	0	0	0	0	0	4
07:00	1	0	2	2	1	1	0	0	0	0	0	0	0	0	7
07:15	0	1	4	6	1	0	0	0	0	0	0	0	0	0	12
07:30	1	1	8	11	2	1	0	0	0	0	0	0	0	0	24
07:45	0	2	3	8	1	0	0	0	0	0	0	0	0	0	12
08:00	2	3	6	11	2	1	0	0	0	0	0	0	0	0	21
08:15	0	2	10	13	6	0	0	0	0	0	0	0	0	0	31
08:30	0	2	11	11	6	3	0	0	0	0	0	0	0	0	33
08:45	2	3	30	43	15	4	0	0	0	0	0	0	0	0	97
09:00	0	2	6	13	6	0	0	0	0	0	0	0	0	0	27
09:15	0	0	1	4	5	0	0	1	0	0	0	0	0	0	11
09:30	0	3	6	7	1	0	0	0	0	0	0	0	0	0	17
09:45	1	1	4	7	3	2	0	0	0	0	0	0	0	0	18
10:00	1	6	17	31	15	2	0	1	0	0	0	0	0	0	73
10:15	0	3	3	6	2	0	0	0	0	0	0	0	0	0	14
10:30	2	1	7	6	0	0	0	0	0	0	0	0	0	0	16
10:45	0	0	3	5	1	1	0	0	0	0	0	0	0	0	10
11:00	1	2	3	9	1	1	0	0	0	0	0	0	0	0	17
11:15	3	6	16	26	4	2	0	0	0	0	0	0	0	0	57
11:30	0	0	2	6	0	0	0	0	0	0	0	0	0	0	8
11:45	0	0	2	4	1	0	0	0	0	0	0	0	0	0	7
12:00	0	2	1	3	2	0	0	0	0	0	0	0	0	0	8
12:15	0	0	5	3	3	0	0	0	0	0	0	0	0	0	11
12:30	0	2	10	16	6	0	0	0	0	0	0	0	0	0	34
12:45	3	0	3	7	3	0	0	0	0	0	0	0	0	0	16
13:00	0	2	5	7	1	0	0	0	0	0	0	0	0	0	15
13:15	0	1	3	3	1	0	0	0	0	0	0	0	0	0	8
13:30	0	3	3	5	1	0	0	0	0	0	0	0	0	0	12
13:45	3	6	14	22	6	0	0	0	0	0	0	0	0	0	51
Total	10	24	101	157	56	9	0	1	0	0	0	0	0	0	358

Chestnut Street
Btwn Catalina St & Florista St

South

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
12 PM	0	0	6	4	2	1	0	0	0	0	0	0	0	0	13
12:15	1	0	8	10	3	0	0	0	0	0	0	0	0	0	22
12:30	0	0	6	7	5	0	0	0	0	0	0	0	0	0	18
12:45	0	1	5	10	3	0	0	0	0	0	0	0	0	0	19
13:00	1	1	25	31	13	1	0	0	0	0	0	0	0	0	72
13:15	0	1	2	3	2	0	0	0	0	0	0	0	0	0	8
13:30	0	2	5	4	2	0	0	0	0	0	0	0	0	0	13
13:45	0	3	3	8	5	2	0	0	0	0	0	0	0	0	21
14:00	0	2	10	21	7	1	0	0	0	0	0	0	0	0	41
14:15	0	8	20	36	16	3	0	0	0	0	0	0	0	0	83
14:30	1	1	8	12	1	0	0	0	0	0	0	0	0	0	23
14:45	0	0	3	13	3	0	0	0	0	0	0	0	0	0	19
15:00	0	0	4	8	4	0	0	0	0	0	0	0	0	0	16
15:15	0	2	10	22	5	0	0	0	0	0	0	0	0	0	39
15:30	1	3	25	55	13	0	0	0	0	0	0	0	0	0	97
15:45	0	1	14	8	1	0	0	0	0	0	0	0	0	0	24
16:00	0	2	3	5	4	0	0	0	0	0	0	0	0	0	14
16:15	1	3	7	11	1	1	0	0	0	0	0	0	0	0	24
16:30	0	2	6	11	4	0	0	0	0	0	0	0	0	0	23
16:45	1	8	30	35	10	1	0	0	0	0	0	0	0	0	85
17:00	0	2	9	14	3	1	0	0	0	0	0	0	0	0	29
17:15	0	1	7	5	3	0	0	0	0	0	0	0	0	0	16
17:30	0	3	5	14	2	0	0	0	0	0	0	0	0	0	24
17:45	0	2	8	7	2	0	0	0	0	0	0	0	0	0	19
18:00	0	8	29	40	10	1	0	0	0	0	0	0	0	0	88
18:15	2	3	10	9	0	1	0	0	0	0	0	0	0	0	25
18:30	0	1	3	6	1	0	0	0	0	0	0	0	0	0	11
18:45	0	3	7	8	1	0	0	0	0	0	0	0	0	0	19
19:00	2	0	3	5	1	0	0	0	0	0	0	0	0	0	11
19:15	4	7	23	28	3	1	0	0	0	0	0	0	0	0	66
19:30	0	1	8	6	1	1	0	0	0	0	0	0	0	0	17
19:45	0	0	5	10	2	0	0	0	0	0	0	0	0	0	17
20:00	1	0	2	1	3	0	0	0	0	0	0	0	0	0	7
20:15	0	2	3	5	1	0	0	0	0	0	0	0	0	0	11
20:30	0	1	8	10	1	0	0	0	0	0	0	0	0	0	20
20:45	0	0	3	2	0	0	0	0	0	0	0	0	0	0	5
21:00	1	0	2	1	3	0	0	0	0	0	0	0	0	0	7
21:15	0	2	3	5	1	0	0	0	0	0	0	0	0	0	11
21:30	0	1	8	10	1	0	0	0	0	0	0	0	0	0	20
21:45	0	0	3	2	0	0	0	0	0	0	0	0	0	0	5
22:00	0	1	8	10	1	0	0	0	0	0	0	0	0	0	23
22:15	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3
22:30	0	1	0	2	0	0	0	0	0	0	0	0	0	0	3
22:45	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3
23:00	0	2	2	7	0	0	0	0	0	0	0	0	0	0	11
23:15	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:45	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
Total	10	44	191	276	75	8	0	0	0	0	0	0	0	0	604

Grand
Total

20	68	292	433	131	17	0	1	0	0	0	0	0	0	0	962
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15th Percentile : 21 MPH
 50th Percentile : 27 MPH
 85th Percentile : 31 MPH
 95th Percentile : 34 MPH

Stats

Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 725
 Percent in Pace : 75.4%
 Number of Vehicles > 25 MPH : 582
 Percent of Vehicles > 25 MPH : 60.5%

Chestnut Street
Btwn Catalina St & Florista St

North, South

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
01/14/20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:30	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
00:45	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
01:15	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
01:30	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
01:45	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
02:00	0	0	2	0	4	0	0	0	0	0	0	0	0	0	6
02:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:45	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
03:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
03:15	0	0	0	0	3	0	0	0	0	0	0	0	0	0	3
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:45	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
04:00	0	0	1	1	3	0	0	0	0	0	0	0	0	0	5
04:15	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
04:30	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:45	0	0	3	2	1	0	0	0	0	0	0	0	0	0	6
05:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
05:15	0	1	4	3	1	0	0	0	0	0	0	0	0	0	9
05:30	0	0	1	3	3	0	0	0	0	0	0	0	0	0	7
05:45	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
06:00	0	0	2	5	1	0	0	0	0	0	0	0	0	0	8
06:15	0	1	1	3	2	0	0	0	0	0	0	0	0	0	7
06:30	0	4	11	8	0	0	0	0	0	0	0	0	0	0	24
06:45	0	0	1	2	1	0	0	0	0	0	0	0	0	0	4
07:00	0	0	1	6	0	0	0	0	0	0	0	0	0	0	7
07:15	1	0	2	6	4	1	0	0	0	0	0	0	0	0	14
07:30	0	2	5	9	3	0	0	0	0	0	0	0	0	0	19
07:45	1	2	9	23	8	1	0	0	0	0	0	0	0	0	44
08:00	0	0	4	12	1	0	0	0	0	0	0	0	0	0	17
08:15	1	1	12	18	7	1	0	0	0	0	0	0	0	0	40
08:30	2	1	20	32	14	1	0	0	0	0	0	0	0	0	70
08:45	0	2	13	17	8	3	0	0	0	0	0	0	0	0	43
09:00	3	4	49	79	30	5	0	0	0	0	0	0	0	0	170
09:15	1	2	10	24	8	1	0	0	0	0	0	0	0	0	46
09:30	0	1	6	25	11	0	0	1	0	0	0	0	0	0	44
09:45	0	3	10	18	6	4	0	0	0	0	0	0	0	0	41
10:00	1	2	7	11	7	2	1	0	0	0	0	0	0	0	31
10:15	2	8	33	78	32	7	1	1	0	0	0	0	0	0	162
10:30	0	3	4	10	2	0	0	0	0	0	0	0	0	0	19
10:45	3	1	8	9	0	0	0	0	0	0	0	0	0	0	21
11:00	0	0	4	8	2	1	0	0	0	0	0	0	0	0	15
11:15	1	2	4	15	5	1	0	0	0	0	0	0	0	0	28
11:30	4	6	20	42	9	2	0	0	0	0	0	0	0	0	83
11:45	0	0	4	10	3	0	0	0	0	0	0	0	0	0	17
12:00	1	1	3	8	2	0	1	0	0	0	0	0	0	0	16
12:15	0	3	2	7	5	0	0	0	0	0	0	0	0	0	17
12:30	1	1	7	5	3	0	0	0	0	0	0	0	0	0	17
12:45	2	5	16	30	13	0	1	0	0	0	0	0	0	0	67
13:00	3	1	5	9	6	0	0	0	0	0	0	0	0	0	24
13:15	0	3	9	10	1	1	0	0	0	0	0	0	0	0	24
13:30	0	2	4	7	4	0	0	0	0	0	0	0	0	0	17
13:45	1	4	3	8	1	0	0	0	0	0	0	0	0	0	17
Total	4	10	21	34	12	1	0	0	0	0	0	0	0	0	82
Total	16	37	161	301	121	16	2	1	0	0	0	0	0	0	655

Chestnut Street
Btwn Catalina St & Florista St

North, South

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
12 PM	0	1	11	6	3	1	0	0	0	0	0	0	0	0	22
12:15	1	1	10	10	3	0	0	0	0	0	0	0	0	0	25
12:30	0	0	10	9	6	0	0	0	0	0	0	0	0	0	25
12:45	0	1	12	12	4	0	0	0	0	0	0	0	0	0	29
13:00	1	3	43	37	16	1	0	0	0	0	0	0	0	0	101
13:15	0	1	6	8	6	0	0	0	0	0	0	0	0	0	21
13:30	0	2	8	6	6	0	0	0	0	0	0	0	0	0	22
13:45	0	3	8	11	6	3	0	0	0	0	0	0	0	0	31
14:00	0	3	16	26	7	1	0	0	0	0	0	0	0	0	53
14:15	0	9	38	51	25	4	0	0	0	0	0	0	0	0	127
14:30	1	1	10	22	3	2	0	0	0	0	0	0	0	0	39
14:45	0	0	8	18	6	1	0	0	0	0	0	0	0	0	33
15:00	0	2	10	14	7	0	0	0	0	0	0	0	0	0	33
15:15	1	4	15	31	7	0	0	0	0	0	0	0	0	0	58
15:30	2	7	43	85	23	3	0	0	0	0	0	0	0	0	163
15:45	1	4	22	16	2	1	0	0	0	0	0	0	0	0	46
16:00	0	6	10	10	8	0	0	0	0	0	0	0	0	0	34
16:15	1	4	12	20	2	3	0	0	0	0	0	0	0	0	42
16:30	0	3	10	17	6	0	0	0	0	0	0	0	0	0	36
16:45	2	17	54	63	18	4	0	0	0	0	0	0	0	0	158
17:00	0	2	11	19	8	2	0	0	0	0	0	0	0	0	42
17:15	0	3	12	10	5	1	0	0	0	0	0	0	0	0	31
17:30	0	3	10	16	2	0	0	0	0	0	0	0	0	0	31
17:45	1	2	14	10	4	0	0	0	0	0	0	0	0	0	31
18:00	1	10	47	55	19	3	0	0	0	0	0	0	0	0	135
18:15	2	6	11	13	2	1	0	0	0	0	0	0	0	0	35
18:30	0	1	5	8	3	0	0	0	0	0	0	0	0	0	17
18:45	1	4	13	12	4	0	0	0	0	0	0	0	0	0	34
19:00	2	1	6	12	3	1	0	0	0	0	0	0	0	0	25
19:15	5	12	35	45	12	2	0	0	0	0	0	0	0	0	111
19:30	0	2	9	12	2	2	0	0	0	0	0	0	0	0	27
19:45	0	0	8	12	4	0	0	0	0	0	0	0	0	0	24
20:00	1	1	5	5	5	0	0	0	0	0	0	0	0	0	17
20:15	1	3	3	11	1	0	0	0	0	0	0	0	0	0	19
20:30	2	6	25	40	12	2	0	0	0	0	0	0	0	0	87
20:45	2	1	3	12	1	0	0	0	0	0	0	0	0	0	19
21:00	0	1	6	2	0	0	0	0	0	0	0	0	0	0	9
21:15	0	0	8	4	3	0	0	0	0	0	0	0	0	0	15
21:30	0	0	6	4	0	0	0	0	0	0	0	0	0	0	10
21:45	2	2	23	22	4	0	0	0	0	0	0	0	0	0	53
22:00	0	1	4	4	2	0	0	0	0	0	0	0	0	0	11
22:15	1	0	5	5	1	0	0	0	0	0	0	0	0	0	12
22:30	0	1	3	5	2	0	0	0	0	0	0	0	0	0	11
22:45	0	2	5	3	0	0	0	0	0	0	0	0	0	0	10
23:00	1	4	17	17	5	0	0	0	0	0	0	0	0	0	44
23:15	0	1	2	3	0	0	0	0	0	0	0	0	0	0	6
23:30	0	2	0	2	0	0	0	0	0	0	0	0	0	0	4
23:45	0	0	0	6	0	0	0	0	0	0	0	0	0	0	6
24:00	0	0	1	4	1	0	0	0	0	0	0	0	0	0	6
24:15	0	3	3	15	1	0	0	0	0	0	0	0	0	0	22
24:30	1	0	2	3	0	0	0	0	0	0	0	0	0	0	6
24:45	1	1	1	0	3	0	0	0	0	0	0	0	0	0	6
25:00	0	1	0	2	0	0	0	0	0	0	0	0	0	0	3
25:15	0	0	1	2	1	0	0	0	0	0	0	0	0	0	4
25:30	2	2	4	7	4	0	0	0	0	0	0	0	0	0	19
25:45	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
26:00	0	1	1	1	0	0	0	0	0	0	0	0	0	0	3
26:15	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
26:30	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
26:45	1	1	3	2	0	0	0	0	0	0	0	0	0	0	7
Total	19	76	335	439	139	19	0	0	0	0	0	0	0	0	1027
Grand Total	35	113	496	740	260	35	2	1	0	0	0	0	0	0	1682

15th Percentile : 22 MPH
 50th Percentile : 27 MPH
 85th Percentile : 31 MPH
 95th Percentile : 35 MPH

Stats
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 1236
 Percent in Pace : 73.5%
 Number of Vehicles > 25 MPH : 1038
 Percent of Vehicles > 25 MPH : 61.7%

SPEED DATA
CHESTNUT STREET
BETWEEN
SAUSALITO AND CATALINA
1/14/2020

Chestnut Street
Btwn Sausalito St & Catalina St

North

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
09:25/19	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
00:15	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:45	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
01:00	1	0	0	1	1	0	0	0	0	0	0	0	0	0	3
01:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
01:45	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
02:15	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:45	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
03:15	0	0	1	1	1	0	0	0	0	0	0	0	0	0	3
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:45	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
04:00	0	1	1	1	1	0	0	0	0	0	0	0	0	0	3
04:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3
04:45	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
05:00	1	1	2	0	0	0	0	0	0	0	0	0	0	0	4
05:15	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
05:30	1	1	2	0	0	0	0	0	0	0	0	0	0	0	4
05:45	0	0	1	2	0	0	0	0	0	0	0	0	0	0	3
06:00	1	1	3	4	0	0	0	0	0	0	0	0	0	0	9
06:15	1	0	0	0	0	1	0	0	0	0	0	0	0	0	2
06:30	0	0	1	2	0	0	0	0	0	0	0	0	0	0	3
06:45	0	0	3	4	2	0	0	0	0	0	0	0	0	0	9
07:00	0	0	3	5	0	1	0	0	0	0	0	0	0	0	9
07:15	1	0	7	11	2	2	0	0	0	0	0	0	0	0	23
07:30	0	0	8	0	0	0	0	0	0	0	0	0	0	0	8
07:45	0	3	5	3	1	0	0	0	0	0	0	0	0	0	12
08:00	2	0	3	3	3	0	0	0	0	0	0	0	0	0	11
08:15	0	1	5	5	0	0	0	0	0	0	0	0	0	0	11
08:30	2	4	21	11	4	0	0	0	0	0	0	0	0	0	42
08:45	0	0	13	13	2	1	0	0	0	0	0	0	0	0	29
09:00	0	2	8	12	3	0	0	0	0	0	0	0	0	0	25
09:15	0	1	11	4	0	0	0	0	0	0	0	0	0	0	16
09:30	0	3	8	3	0	0	0	0	0	0	0	0	0	0	14
09:45	0	6	40	32	5	1	0	0	0	0	0	0	0	0	84
10:00	1	2	4	3	0	0	0	0	0	0	0	0	0	0	10
10:15	0	2	1	4	1	1	0	0	0	0	0	0	0	0	9
10:30	1	2	8	1	1	0	0	0	0	0	0	0	0	0	13
10:45	0	2	2	2	0	0	0	0	0	0	0	0	0	0	6
11:00	2	8	15	10	2	1	0	0	0	0	0	0	0	0	38
11:15	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
11:30	1	3	3	3	0	0	0	0	0	0	0	0	0	0	10
11:45	0	0	5	2	1	0	0	0	0	0	0	0	0	0	8
12:00	0	0	1	3	0	0	0	0	0	0	0	0	0	0	4
12:15	2	4	9	8	1	0	0	0	0	0	0	0	0	0	24
12:30	0	0	3	2	0	0	0	0	0	0	0	0	0	0	5
12:45	0	0	7	1	2	0	0	0	0	0	0	0	0	0	10
13:00	2	1	5	2	1	0	0	0	0	0	0	0	0	0	11
13:15	1	1	2	2	1	0	0	0	0	0	0	0	0	0	7
13:30	3	2	17	7	4	0	0	0	0	0	0	0	0	0	33
Total	13	28	115	88	21	4	0	0	0	0	0	0	0	0	269

Chestnut Street
Btwn Sausalito St & Catalina St

North

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
12 PM	1	3	6	6	2	1	0	0	0	0	0	0	0	0	0	19
12:15	1	1	7	9	0	0	0	0	0	0	0	0	0	0	0	18
12:30	0	1	7	1	1	1	0	0	0	0	0	0	0	0	0	11
12:45	0	0	10	4	0	0	0	0	0	0	0	0	0	0	0	14
13:00	2	5	30	20	3	2	0	0	0	0	0	0	0	0	0	62
13:15	0	1	3	2	1	0	0	0	0	0	0	0	0	0	0	7
13:30	0	0	5	5	1	0	0	0	0	0	0	0	0	0	0	11
13:45	2	1	5	3	2	0	0	0	0	0	0	0	0	0	0	13
14:00	0	1	5	12	2	1	0	0	0	0	0	0	0	0	0	21
14:15	2	3	18	22	6	1	0	0	0	0	0	0	0	0	0	52
14:30	1	0	16	4	1	0	0	0	0	0	0	0	0	0	0	22
14:45	3	2	6	4	0	0	0	0	0	0	0	0	0	0	0	15
15:00	2	4	4	5	0	0	0	0	0	0	0	0	0	0	0	15
15:15	1	1	5	4	2	0	0	0	0	0	0	0	0	0	0	13
15:30	7	7	31	17	3	0	0	0	0	0	0	0	0	0	0	65
15:45	1	1	6	3	1	0	0	0	0	0	0	0	0	0	0	12
16:00	0	1	10	2	4	0	0	0	0	0	0	0	0	0	0	17
16:15	0	3	4	5	3	0	0	0	0	0	0	0	0	0	0	15
16:30	1	5	5	3	1	0	0	0	0	0	0	0	0	0	0	15
16:45	2	10	25	13	9	0	0	0	0	0	0	0	0	0	0	59
17:00	0	1	9	5	2	0	0	0	0	0	0	0	0	0	0	17
17:15	0	2	6	9	2	0	0	0	0	0	0	0	0	0	0	19
17:30	0	2	5	1	1	0	0	0	0	0	0	0	0	0	0	9
17:45	1	2	5	3	2	0	0	0	0	0	0	0	0	0	0	13
18:00	1	7	25	18	7	0	0	0	0	0	0	0	0	0	0	58
18:15	0	1	5	4	3	0	0	0	0	0	0	0	0	0	0	13
18:30	0	1	5	5	1	1	0	0	0	0	0	0	0	0	0	13
18:45	0	2	2	6	0	1	0	0	0	0	0	0	0	0	0	11
19:00	0	0	5	4	2	1	0	0	0	0	0	0	0	0	0	12
19:15	0	4	17	19	6	3	0	0	0	0	0	0	0	0	0	49
19:30	0	2	5	4	0	0	0	0	0	0	0	0	0	0	0	11
19:45	1	4	4	4	0	0	0	0	0	0	0	0	0	0	0	13
20:00	0	5	5	2	0	1	0	0	0	0	0	0	0	0	0	13
20:15	1	1	4	4	0	0	0	0	0	0	0	0	0	0	0	10
20:30	2	12	18	14	0	1	0	0	0	0	0	0	0	0	0	47
20:45	0	4	3	1	4	0	0	0	0	0	0	0	0	0	0	12
21:00	0	3	4	2	0	0	0	0	0	0	0	0	0	0	0	9
21:15	0	3	5	1	0	0	0	0	0	0	0	0	0	0	0	9
21:30	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	4
21:45	0	11	15	4	4	0	0	0	0	0	0	0	0	0	0	34
22:00	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	3
22:15	0	2	3	1	0	0	0	0	0	0	0	0	0	0	0	6
22:30	0	2	3	5	0	0	0	0	0	0	0	0	0	0	0	10
22:45	0	1	3	2	1	0	0	0	0	0	0	0	0	0	0	7
23:00	0	6	11	8	1	0	0	0	0	0	0	0	0	0	0	26
23:15	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	4
23:30	0	2	3	2	0	0	0	0	0	0	0	0	0	0	0	7
23:45	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	4
24:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
24:15	1	5	6	4	0	0	0	0	0	0	0	0	0	0	0	16
24:30	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	3
24:45	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	4
25:00	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
25:15	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	2
25:30	1	2	4	1	3	0	0	0	0	0	0	0	0	0	0	11
25:45	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
26:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
Total	18	72	200	142	42	7	0	0	0	0	0	0	0	0	0	481
Grand Total	31	100	315	230	63	11	0	0	0	0	0	0	0	0	0	750

15th Percentile : 20 MPH
 50th Percentile : 24 MPH
 85th Percentile : 30 MPH
 95th Percentile : 33 MPH

Stats

Mean Speed(Average) : 24 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 545
 Percent in Pace : 72.7%
 Number of Vehicles > 25 MPH : 304
 Percent of Vehicles > 25 MPH : 40.5%

Chestnut Street
Btwn Sausalito St & Catalina St

South

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
09/25/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:30	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
00:45	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
01:00	1	0	0	0	1	0	0	0	0	0	0	0	0	0	2
01:15	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
02:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
02:45	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
03:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
03:45	0	0	0	1	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
04:15	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
04:30	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:45	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2
05:00	0	0	1	3	0	1	0	0	0	0	0	0	0	0	5
05:15	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
05:30	1	0	1	1	1	0	0	0	0	0	0	0	0	0	4
05:45	0	0	0	1	2	0	0	0	0	0	0	0	0	0	3
06:00	0	0	2	2	0	0	0	0	0	0	0	0	0	0	4
06:15	1	2	3	4	3	0	0	0	0	0	0	0	0	0	13
06:30	0	0	0	3	1	1	0	0	0	0	0	0	0	0	5
06:45	0	0	1	2	1	0	0	0	0	0	0	0	0	0	4
07:00	0	0	4	3	0	0	0	0	0	0	0	0	0	0	7
07:15	0	1	3	8	4	0	0	0	0	0	0	0	0	0	16
07:30	0	1	8	16	6	1	0	0	0	0	0	0	0	0	32
07:45	0	0	4	4	0	2	0	0	0	0	0	0	0	0	10
08:00	1	2	10	11	1	0	0	0	0	0	0	0	0	0	25
08:15	0	0	12	12	2	0	0	0	0	0	0	0	0	0	26
08:30	0	1	11	14	7	1	0	0	0	0	0	0	0	0	34
08:45	1	3	37	41	10	3	0	0	0	0	0	0	0	0	95
09:00	0	1	15	16	8	1	0	0	0	0	0	0	0	0	41
09:15	1	4	28	21	1	1	0	0	0	0	0	0	0	0	56
09:30	0	1	10	6	2	0	0	0	0	0	0	0	0	0	19
09:45	0	2	6	6	2	0	0	0	0	0	0	0	0	0	16
10:00	1	8	59	49	13	2	0	0	0	0	0	0	0	0	132
10:15	2	3	3	6	0	0	0	0	0	0	0	0	0	0	14
10:30	1	0	3	5	2	0	0	0	0	0	0	0	0	0	11
10:45	0	2	4	6	1	0	0	0	0	0	0	0	0	0	13
11:00	0	1	5	5	4	0	0	0	0	0	0	0	0	0	15
11:15	3	6	15	22	7	0	0	0	0	0	0	0	0	0	53
11:30	1	1	2	3	2	0	0	0	0	0	0	0	0	0	9
11:45	0	1	5	8	0	0	0	0	0	0	0	0	0	0	14
12:00	0	1	6	3	1	0	1	0	0	0	0	0	0	0	12
12:15	1	2	2	8	2	0	0	0	0	0	0	0	0	0	15
12:30	2	5	15	22	5	0	1	0	0	0	0	0	0	0	50
12:45	0	0	6	3	2	0	0	0	0	0	0	0	0	0	11
13:00	0	2	5	10	1	0	0	0	0	0	0	0	0	0	18
13:15	2	1	9	3	4	0	0	0	0	0	0	0	0	0	19
13:30	0	0	0	4	4	0	0	0	0	0	0	0	0	0	8
13:45	2	3	20	20	11	0	0	0	0	0	0	0	0	0	56
Total	11	29	159	178	57	7	1	0	0	0	0	0	0	0	442

Chestnut Street
Btwn Sausalito St & Catalina St

South

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
12 PM	1	1	5	4	3	1	0	0	0	0	0	0	0	0	15
12:15	1	3	5	3	2	0	0	0	0	0	0	0	0	0	14
12:30	0	1	8	9	1	0	0	0	0	0	0	0	0	0	19
12:45	0	0	7	5	2	0	0	0	0	0	0	0	0	0	14
13:00	2	5	25	21	8	1	0	0	0	0	0	0	0	0	62
13:15	0	0	7	8	6	0	0	0	0	0	0	0	0	0	21
13:30	0	0	5	6	6	1	0	0	0	0	0	0	0	0	18
13:45	0	1	8	9	3	0	0	0	0	0	0	0	0	0	21
14:00	0	3	12	11	7	0	0	0	0	0	0	0	0	0	33
14:15	0	4	32	34	22	1	0	0	0	0	0	0	0	0	93
14:30	0	2	16	10	3	0	0	0	0	0	0	0	0	0	31
14:45	1	5	12	9	5	0	0	0	0	0	0	0	0	0	32
15:00	0	1	10	9	5	0	0	0	0	0	0	0	0	0	25
15:15	0	0	16	21	2	0	0	0	0	0	0	0	0	0	39
15:30	1	8	54	49	15	0	0	0	0	0	0	0	0	0	127
15:45	1	0	8	10	3	1	0	0	0	0	0	0	0	0	23
16:00	0	0	8	7	5	1	0	0	0	0	0	0	0	0	21
16:15	1	0	7	4	2	0	0	0	0	0	0	0	0	0	14
16:30	2	1	6	15	9	0	0	0	0	0	0	0	0	0	33
16:45	4	1	29	36	19	2	0	0	0	0	0	0	0	0	91
17:00	0	2	11	7	5	0	0	0	0	0	0	0	0	0	25
17:15	0	0	11	11	3	0	1	0	0	0	0	0	0	0	26
17:30	0	7	4	8	5	0	0	0	0	0	0	0	0	0	24
17:45	0	1	2	12	1	0	0	0	0	0	0	0	0	0	16
18:00	0	10	28	38	14	0	1	0	0	0	0	0	0	0	91
18:15	0	2	7	15	3	0	0	0	0	0	0	0	0	0	27
18:30	2	1	4	13	2	1	0	0	0	0	0	0	0	0	23
18:45	0	0	8	9	1	1	0	0	0	0	0	0	0	0	19
19:00	0	1	10	10	2	2	0	0	0	0	0	0	0	0	25
19:15	2	4	29	47	8	4	0	0	0	0	0	0	0	0	94
19:30	1	0	2	8	2	1	0	0	0	0	0	0	0	0	14
19:45	1	0	13	4	2	0	0	0	0	0	0	0	0	0	20
20:00	1	0	3	14	1	0	0	0	0	0	0	0	0	0	19
20:15	1	2	9	2	0	0	0	0	0	0	0	0	0	0	14
20:30	4	2	27	28	5	1	0	0	0	0	0	0	0	0	67
20:45	0	1	3	3	0	0	0	0	0	0	0	0	0	0	7
21:00	0	0	5	4	0	0	0	0	0	0	0	0	0	0	9
21:15	1	1	8	4	0	0	0	0	0	0	0	0	0	0	14
21:30	1	1	7	1	0	0	0	0	0	0	0	0	0	0	10
21:45	2	3	23	12	0	0	0	0	0	0	0	0	0	0	40
22:00	0	0	8	3	2	0	0	0	0	0	0	0	0	0	13
22:15	0	1	3	4	0	0	0	0	0	0	0	0	0	0	8
22:30	1	0	4	4	0	0	0	0	0	0	0	0	0	0	9
22:45	1	0	3	1	1	0	0	0	0	0	0	0	0	0	6
23:00	2	1	18	12	3	0	0	0	0	0	0	0	0	0	36
23:15	1	0	1	3	0	0	0	0	0	0	0	0	0	0	5
23:30	0	2	4	2	0	0	0	0	0	0	0	0	0	0	8
23:45	0	0	3	1	0	0	0	0	0	0	0	0	0	0	4
24:00	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3
24:15	1	3	10	6	0	0	0	0	0	0	0	0	0	0	20
24:30	0	1	1	1	0	0	0	0	0	0	0	0	0	0	3
24:45	0	2	0	1	0	0	0	0	0	0	0	0	0	0	3
25:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
25:15	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
25:30	0	3	3	3	0	0	0	0	0	0	0	0	0	0	9
25:45	1	0	2	2	0	0	0	0	0	0	0	0	0	0	5
26:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
26:15	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
26:30	1	0	3	1	0	0	0	0	0	0	0	0	0	0	5
26:45	2	0	7	3	0	0	0	0	0	0	0	0	0	0	12
Total	20	44	285	289	94	9	1	0	0	0	0	0	0	0	742
Grand Total	31	73	444	467	151	16	2	0	0	0	0	0	0	0	1184

15th Percentile : 21 MPH
 50th Percentile : 26 MPH
 85th Percentile : 30 MPH
 95th Percentile : 34 MPH

Stats

Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 911
 Percent in Pace : 76.9%
 Number of Vehicles > 25 MPH : 636
 Percent of Vehicles > 25 MPH : 53.7%

Chestnut Street
Btwn Sausalito St & Catalina St

North, South

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
09/25/19	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
00:15	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
00:30	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
00:45	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
01:00	2	0	0	1	2	0	0	0	0	0	0	0	0	0	5
01:15	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
01:30	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
01:45	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
02:15	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
02:30	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
02:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
03:15	0	0	1	1	1	0	0	0	0	0	0	0	0	0	3
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:45	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
04:00	0	1	0	2	1	0	0	0	0	0	0	0	0	0	4
04:15	0	1	1	4	3	0	0	0	0	0	0	0	0	0	9
04:30	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
04:45	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
05:00	1	1	2	0	0	0	0	0	0	0	0	0	0	0	4
05:15	0	0	1	1	0	1	0	0	0	0	0	0	0	0	3
05:30	1	1	3	3	0	1	0	0	0	0	0	0	0	0	9
05:45	0	2	0	1	0	0	0	0	0	0	0	0	0	0	3
06:00	1	0	0	1	0	0	0	0	0	0	0	0	0	0	5
06:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
06:30	0	0	2	4	1	0	0	0	0	0	0	0	0	0	7
06:45	0	0	7	7	2	0	0	0	0	0	0	0	0	0	16
07:00	0	1	6	13	4	1	0	0	0	0	0	0	0	0	25
07:15	1	1	3	27	8	3	0	0	0	0	0	0	0	0	55
07:30	0	0	12	4	0	2	0	0	0	0	0	0	0	0	18
07:45	1	5	15	14	2	0	0	0	0	0	0	0	0	0	37
08:00	2	0	15	15	5	0	0	0	0	0	0	0	0	0	37
08:15	0	2	16	19	7	1	0	0	0	0	0	0	0	0	45
08:30	3	7	58	52	14	3	0	0	0	0	0	0	0	0	137
08:45	0	1	28	29	10	2	0	0	0	0	0	0	0	0	70
09:00	1	6	36	33	4	1	0	0	0	0	0	0	0	0	81
09:15	0	2	21	10	2	0	0	0	0	0	0	0	0	0	35
09:30	0	5	14	9	2	0	0	0	0	0	0	0	0	0	30
09:45	1	14	99	81	18	3	0	0	0	0	0	0	0	0	216
10:00	3	5	7	9	0	0	0	0	0	0	0	0	0	0	24
10:15	1	2	4	9	3	1	0	0	0	0	0	0	0	0	20
10:30	1	4	12	7	2	0	0	0	0	0	0	0	0	0	26
10:45	0	3	7	7	4	0	0	0	0	0	0	0	0	0	21
11:00	5	14	30	32	9	1	0	0	0	0	0	0	0	0	91
11:15	2	2	2	3	2	0	0	0	0	0	0	0	0	0	11
11:30	1	4	8	11	0	0	0	0	0	0	0	0	0	0	24
11:45	0	1	11	5	2	0	1	0	0	0	0	0	0	0	20
12:00	1	2	3	11	2	0	0	0	0	0	0	0	0	0	19
12:15	4	9	24	30	6	0	1	0	0	0	0	0	0	0	74
12:30	0	0	9	5	2	0	0	0	0	0	0	0	0	0	16
12:45	0	2	12	11	3	0	0	0	0	0	0	0	0	0	28
13:00	4	2	14	5	5	0	0	0	0	0	0	0	0	0	30
13:15	1	1	2	6	5	0	0	0	0	0	0	0	0	0	15
Total	5	5	37	27	15	0	0	0	0	0	0	0	0	0	89
	24	57	274	266	78	11	1	0	0	0	0	0	0	0	711

Chestnut Street
Btwn Sausalito St & Catalina St

North, South

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
12 PM	2	4	11	10	5	2	0	0	0	0	0	0	0	0	0	34
12:15	2	4	12	12	2	0	0	0	0	0	0	0	0	0	0	32
12:30	0	2	15	10	2	1	0	0	0	0	0	0	0	0	0	30
12:45	0	0	17	9	2	0	0	0	0	0	0	0	0	0	0	28
13:00	4	10	55	41	11	3	0	0	0	0	0	0	0	0	0	124
13:15	0	1	10	10	7	0	0	0	0	0	0	0	0	0	0	28
13:30	0	0	10	11	7	1	0	0	0	0	0	0	0	0	0	29
13:45	2	2	13	12	5	0	0	0	0	0	0	0	0	0	0	34
14:00	0	4	17	23	9	1	0	0	0	0	0	0	0	0	0	54
14:15	2	7	50	56	28	2	0	0	0	0	0	0	0	0	0	145
14:30	1	2	32	14	4	0	0	0	0	0	0	0	0	0	0	53
14:45	4	7	18	13	5	0	0	0	0	0	0	0	0	0	0	47
15:00	2	5	14	14	5	0	0	0	0	0	0	0	0	0	0	40
15:15	1	1	21	25	4	0	0	0	0	0	0	0	0	0	0	52
15:30	8	15	85	66	18	0	0	0	0	0	0	0	0	0	0	192
15:45	2	1	14	13	4	1	0	0	0	0	0	0	0	0	0	35
16:00	0	1	18	9	9	1	0	0	0	0	0	0	0	0	0	38
16:15	1	3	11	9	5	0	0	0	0	0	0	0	0	0	0	29
16:30	3	6	11	18	10	0	0	0	0	0	0	0	0	0	0	48
16:45	6	11	54	49	28	2	0	0	0	0	0	0	0	0	0	150
17:00	0	3	20	12	7	0	0	0	0	0	0	0	0	0	0	42
17:15	0	2	17	20	5	0	1	0	0	0	0	0	0	0	0	45
17:30	0	9	9	9	6	0	0	0	0	0	0	0	0	0	0	33
17:45	1	3	7	15	3	0	0	0	0	0	0	0	0	0	0	29
18:00	1	17	53	56	21	0	1	0	0	0	0	0	0	0	0	149
18:15	0	3	12	19	6	0	0	0	0	0	0	0	0	0	0	40
18:30	2	2	9	18	3	2	0	0	0	0	0	0	0	0	0	36
18:45	0	2	10	15	1	2	0	0	0	0	0	0	0	0	0	30
19:00	0	1	15	14	4	3	0	0	0	0	0	0	0	0	0	37
19:15	2	8	46	66	14	7	0	0	0	0	0	0	0	0	0	143
19:30	1	2	7	12	2	1	0	0	0	0	0	0	0	0	0	25
19:45	2	4	17	8	2	0	0	0	0	0	0	0	0	0	0	33
20:00	1	5	8	16	1	1	0	0	0	0	0	0	0	0	0	32
20:15	2	3	13	6	0	0	0	0	0	0	0	0	0	0	0	24
20:30	6	14	45	42	5	2	0	0	0	0	0	0	0	0	0	114
20:45	0	5	6	4	4	0	0	0	0	0	0	0	0	0	0	19
21:00	0	3	9	6	0	0	0	0	0	0	0	0	0	0	0	18
21:15	1	4	13	5	0	0	0	0	0	0	0	0	0	0	0	23
21:30	1	2	10	1	0	0	0	0	0	0	0	0	0	0	0	14
21:45	2	14	38	16	4	0	0	0	0	0	0	0	0	0	0	74
22:00	0	1	10	3	2	0	0	0	0	0	0	0	0	0	0	16
22:15	0	3	6	5	0	0	0	0	0	0	0	0	0	0	0	14
22:30	1	2	7	9	0	0	0	0	0	0	0	0	0	0	0	19
22:45	1	1	6	3	2	0	0	0	0	0	0	0	0	0	0	13
23:00	2	7	29	20	4	0	0	0	0	0	0	0	0	0	0	62
23:15	1	2	2	4	0	0	0	0	0	0	0	0	0	0	0	9
23:30	0	4	7	4	0	0	0	0	0	0	0	0	0	0	0	15
23:45	1	1	5	1	0	0	0	0	0	0	0	0	0	0	0	8
24:00	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	4
24:15	2	8	16	10	0	0	0	0	0	0	0	0	0	0	0	36
24:30	0	1	2	1	2	0	0	0	0	0	0	0	0	0	0	6
24:45	1	3	1	2	0	0	0	0	0	0	0	0	0	0	0	7
25:00	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
25:15	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	4
25:30	1	5	7	4	3	0	0	0	0	0	0	0	0	0	0	20
25:45	1	0	2	4	0	0	0	0	0	0	0	0	0	0	0	7
26:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
26:15	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
26:30	1	0	3	1	0	0	0	0	0	0	0	0	0	0	0	5
26:45	2	0	7	5	0	0	0	0	0	0	0	0	0	0	0	14
Total	38	116	485	431	136	16	1	0	0	0	0	0	0	0	0	1223
Grand Total	62	173	759	697	214	27	2	0	0	0	0	0	0	0	0	1934

15th Percentile : 21 MPH
 50th Percentile : 25 MPH
 85th Percentile : 30 MPH
 95th Percentile : 34 MPH

Stats
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 1456
 Percent in Pace : 75.3%
 Number of Vehicles > 25 MPH : 940
 Percent of Vehicles > 25 MPH : 48.6%

SPEED DATA
WALNUT STREET
BETWEEN
CATALINA AND FLORISTA
1/14/2020

North

[illegible]

Walnut Street
Btwn Catalina St & Florista Ave

North

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
12 PM	0	0	2	3	4	0	0	0	0	0	0	0	0	0	9
12:15	0	2	3	6	0	0	0	0	0	0	0	0	0	0	11
12:30	0	0	1	4	1	0	0	0	0	0	0	0	0	0	6
12:45	0	0	1	5	2	0	0	0	0	0	0	0	0	0	8
13:00	0	2	7	18	7	0	0	0	0	0	0	0	0	0	34
13:15	0	0	2	4	2	0	0	0	0	0	0	0	0	0	8
13:30	1	1	3	6	2	1	0	0	0	0	0	0	0	0	14
13:45	0	0	6	8	1	0	0	0	0	0	0	0	0	0	15
14:00	0	2	4	6	0	0	0	0	0	0	0	0	0	0	12
14:15	1	3	15	24	5	1	0	0	0	0	0	0	0	0	49
14:30	0	0	2	3	1	0	0	0	0	0	0	0	0	0	6
14:45	0	1	3	6	2	0	1	0	0	0	0	0	0	0	13
15:00	0	2	7	13	4	1	0	0	0	0	0	0	0	0	27
15:15	0	4	17	11	0	0	0	0	0	0	0	0	0	0	32
15:30	0	7	29	33	7	1	1	0	0	0	0	0	0	0	78
15:45	1	6	15	7	1	1	0	0	0	0	0	0	0	0	31
16:00	0	1	10	6	0	0	0	0	0	0	0	0	0	0	17
16:15	0	6	8	4	2	0	1	0	0	0	0	0	0	0	21
16:30	0	0	4	5	1	1	0	0	0	0	0	0	0	0	11
16:45	1	13	37	22	4	2	1	0	0	0	0	0	0	0	80
17:00	0	0	2	8	2	0	0	0	0	0	0	0	0	0	12
17:15	0	2	2	4	2	1	0	0	0	0	0	0	0	0	11
17:30	0	1	7	3	1	0	0	0	0	0	0	0	0	0	12
17:45	0	1	7	11	3	0	0	0	0	0	0	0	0	0	22
18:00	0	4	18	26	8	1	0	0	0	0	0	0	0	0	57
18:15	0	1	1	8	1	1	0	0	0	0	0	0	0	0	12
18:30	1	1	7	5	1	0	0	0	0	0	0	0	0	0	15
18:45	1	1	5	5	2	0	0	0	0	0	0	0	0	0	14
19:00	0	4	5	9	3	0	0	0	0	0	0	0	0	0	21
19:15	2	7	18	27	7	1	0	0	0	0	0	0	0	0	62
19:30	1	0	2	2	1	0	0	0	0	0	0	0	0	0	6
19:45	1	3	2	0	0	0	0	0	0	0	0	0	0	0	6
20:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
20:15	0	2	2	0	0	0	0	0	0	0	0	0	0	0	4
20:30	2	5	7	3	1	0	0	0	0	0	0	0	0	0	18
20:45	0	0	2	2	0	0	0	0	0	0	0	0	0	0	4
21:00	0	1	2	1	0	0	0	0	0	0	0	0	0	0	4
21:15	0	0	3	1	0	0	0	0	0	0	0	0	0	0	4
21:30	0	0	0	4	1	0	0	0	0	0	0	0	0	0	5
21:45	0	1	7	8	1	0	0	0	0	0	0	0	0	0	17
22:00	3	0	3	1	1	0	0	0	0	0	0	0	0	0	8
22:15	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3
22:30	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3
22:45	0	0	1	2	0	0	0	0	0	0	0	0	0	0	3
23:00	3	0	9	4	1	0	0	0	0	0	0	0	0	0	17
23:15	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
23:30	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
23:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
24:15	0	2	1	1	0	0	0	0	0	0	0	0	0	0	4
24:30	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
24:45	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
25:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
25:15	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
25:30	0	0	3	2	1	0	0	0	0	0	0	0	0	0	6
25:45	1	0	0	1	0	0	0	0	0	0	0	0	0	0	2
26:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26:15	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
26:30	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
26:45	1	0	3	1	0	0	0	0	0	0	0	0	0	0	5
Total	10	44	154	169	42	6	2	0	0	0	0	0	0	0	427
Grand Total	13	57	231	296	86	12	2	0	0	0	0	0	0	0	697

15th Percentile : 21 MPH
 50th Percentile : 26 MPH
 85th Percentile : 30 MPH
 95th Percentile : 34 MPH

Stats Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 527
 Percent in Pace : 75.6%
 Number of Vehicles > 25 MPH : 396
 Percent of Vehicles > 25 MPH : 56.8%

Walnut Street
Btwn Catalina St & Florista Ave

South

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
01/14/20	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
00:15	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:45	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
	0	1	1	1	0	0	0	0	0	0	0	0	0	0	3
	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
	01:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	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
	02:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	02:45	0	0	0	1	0	0	0	0	0	0	0	0	0	1
	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
	03:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	03:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	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
	04:15	0	1	0	0	0	0	0	0	0	0	0	0	0	1
	04:30	0	0	1	0	0	0	0	0	0	0	0	0	0	1
	04:45	1	0	0	0	0	0	0	0	0	0	0	0	0	1
	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3
	05:00	0	1	0	1	0	0	0	0	0	0	0	0	0	2
	05:15	0	0	1	1	0	0	0	0	0	0	0	0	0	2
	05:30	0	0	0	3	1	0	0	0	0	0	0	0	0	4
	05:45	0	0	1	0	0	0	0	0	0	0	0	0	0	1
	0	1	2	5	1	0	0	0	0	0	0	0	0	0	9
	06:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
	06:15	1	1	1	1	0	0	0	0	0	0	0	0	0	4
	06:30	1	0	2	0	2	0	0	0	0	0	0	0	0	5
	06:45	1	0	0	1	1	0	0	0	0	0	0	0	0	3
	3	1	4	2	3	0	0	0	0	0	0	0	0	0	13
	07:00	0	1	1	0	0	0	0	0	0	0	0	0	0	2
	07:15	2	4	8	1	1	0	0	0	0	0	0	0	0	16
	07:30	0	1	10	10	4	0	0	0	0	0	0	0	0	25
	07:45	0	3	12	7	3	0	0	0	0	0	0	0	0	25
	2	9	31	18	8	0	0	0	0	0	0	0	0	0	68
	08:00	1	1	1	6	2	0	0	0	0	0	0	0	0	11
	08:15	1	2	5	11	1	0	0	0	0	0	0	0	0	20
	08:30	1	0	2	5	3	1	0	0	0	0	0	0	0	12
	08:45	0	1	0	5	2	0	0	0	0	0	0	0	0	8
	3	4	8	27	8	1	0	0	0	0	0	0	0	0	51
	09:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	09:15	0	0	3	3	0	0	0	0	0	0	0	0	0	6
	09:30	0	1	2	1	2	0	0	0	0	0	0	0	0	6
	09:45	0	1	2	4	0	0	0	0	0	0	0	0	0	7
	0	2	7	8	2	0	0	0	0	0	0	0	0	0	19
	10:00	0	0	3	1	0	1	0	0	0	0	0	0	0	5
	10:15	1	0	1	3	0	0	0	0	0	0	0	0	0	5
	10:30	2	1	1	3	0	0	0	0	0	0	0	0	0	7
	10:45	0	2	2	2	0	0	0	0	0	0	0	0	0	6
	3	3	7	9	0	1	0	0	0	0	0	0	0	0	23
	11:00	0	1	1	5	0	0	0	0	0	0	0	0	0	7
	11:15	0	1	2	4	1	1	0	0	0	0	0	0	0	9
	11:30	1	0	3	3	2	0	0	0	0	0	0	0	0	9
	11:45	0	0	2	1	3	0	0	0	0	0	0	0	0	6
Total	13	24	69	84	28	3	0	0	0	0	0	0	0	0	221

Walnut Street
Btwn Catalina St & Florista Ave

South

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
12 PM	0	0	2	2	0	0	0	0	0	0	0	0	0	0	4
12:15	1	1	3	3	0	0	0	0	0	0	0	0	0	0	8
12:30	0	2	2	3	1	0	0	0	0	0	0	0	0	0	8
12:45	0	1	2	3	0	0	0	0	0	0	0	0	0	0	6
13:00	1	4	9	11	1	0	0	0	0	0	0	0	0	0	26
13:15	1	1	2	0	0	0	0	0	0	0	0	0	0	0	4
13:30	1	1	1	2	0	1	0	0	0	0	0	0	0	0	6
13:45	1	2	3	4	3	0	0	0	0	0	0	0	0	0	13
14:00	0	1	3	7	2	0	0	0	0	0	0	0	0	0	13
14:15	3	5	9	13	5	1	0	0	0	0	0	0	0	0	36
14:30	1	1	8	5	2	0	0	0	0	0	0	0	0	0	17
14:45	0	0	2	5	0	0	0	0	0	0	0	0	0	0	7
15:00	1	0	3	2	1	0	0	0	0	0	0	0	0	0	7
15:15	0	2	15	8	3	0	1	0	0	0	0	0	0	0	29
15:30	2	3	28	20	6	0	1	0	0	0	0	0	0	0	60
15:45	4	6	12	7	0	0	0	0	0	0	0	0	0	0	29
16:00	1	0	3	4	1	0	0	0	0	0	0	0	0	0	9
16:15	1	4	3	4	0	1	0	0	0	0	0	0	0	0	13
16:30	0	0	5	1	2	0	0	0	0	0	0	0	0	0	8
16:45	6	10	23	16	3	1	0	0	0	0	0	0	0	0	59
17:00	0	1	4	5	4	0	0	0	0	0	0	0	0	0	14
17:15	0	0	0	1	2	2	0	0	0	0	0	0	0	0	5
17:30	0	1	5	1	2	1	0	0	0	0	0	0	0	0	10
17:45	0	1	2	4	0	0	0	0	0	0	0	0	0	0	7
18:00	0	3	11	11	8	3	0	0	0	0	0	0	0	0	36
18:15	0	1	5	6	1	0	0	0	0	0	0	0	0	0	13
18:30	1	0	6	5	1	0	0	0	0	0	0	0	0	0	13
18:45	0	0	1	6	0	0	0	0	0	0	0	0	0	0	7
19:00	0	1	1	3	2	0	0	0	0	0	0	0	0	0	7
19:15	1	2	13	20	4	0	0	0	0	0	0	0	0	0	40
19:30	0	0	4	6	0	0	0	0	0	0	0	0	0	0	10
19:45	0	1	2	3	0	0	0	0	0	0	0	0	0	0	6
20:00	0	0	1	3	0	0	0	0	0	0	0	0	0	0	6
20:15	0	2	1	3	0	0	0	0	0	0	0	0	0	0	6
20:30	0	0	1	2	0	0	0	0	0	0	0	0	0	0	3
20:45	0	3	8	14	0	0	0	0	0	0	0	0	0	0	25
21:00	0	2	1	2	0	0	0	0	0	0	0	0	0	0	5
21:15	2	0	3	2	0	0	0	0	0	0	0	0	0	0	7
21:30	0	0	5	0	0	0	0	0	0	0	0	0	0	0	5
21:45	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
22:00	2	2	9	6	0	0	0	0	0	0	0	0	0	0	19
22:15	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:45	0	0	2	0	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
23:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
23:30	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2
23:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	16	36	121	111	29	5	1	0	0	0	0	0	0	0	319
Grand Total	29	60	190	195	57	8	1	0	0	0	0	0	0	0	540

15th Percentile : 20 MPH
 50th Percentile : 25 MPH
 85th Percentile : 30 MPH
 95th Percentile : 34 MPH

Stats

Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 385
 Percent in Pace : 71.3%
 Number of Vehicles > 25 MPH : 261
 Percent of Vehicles > 25 MPH : 48.3%

North, South

[illegible]

Walnut Street
Btwn Catalina St & Florista Ave

North, South

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
12 PM	0	0	4	5	4	0	0	0	0	0	0	0	0	0	13
12:15	1	3	6	9	0	0	0	0	0	0	0	0	0	0	19
12:30	0	2	3	7	2	0	0	0	0	0	0	0	0	0	14
12:45	0	1	3	8	2	0	0	0	0	0	0	0	0	0	14
13:00	1	6	16	29	8	0	0	0	0	0	0	0	0	0	60
13:15	1	1	4	4	2	0	0	0	0	0	0	0	0	0	12
13:30	2	2	4	8	2	2	0	0	0	0	0	0	0	0	20
13:45	1	2	9	12	4	0	0	0	0	0	0	0	0	0	28
14:00	0	3	7	13	2	0	0	0	0	0	0	0	0	0	25
14:15	4	8	24	37	10	2	0	0	0	0	0	0	0	0	85
14:30	1	1	10	8	3	0	0	0	0	0	0	0	0	0	23
14:45	0	1	5	11	2	0	1	0	0	0	0	0	0	0	20
15:00	1	2	10	15	5	1	0	0	0	0	0	0	0	0	34
15:15	0	6	32	19	3	0	1	0	0	0	0	0	0	0	61
15:30	2	10	57	53	13	1	2	0	0	0	0	0	0	0	138
15:45	5	12	27	14	1	1	0	0	0	0	0	0	0	0	60
16:00	1	1	13	10	1	0	0	0	0	0	0	0	0	0	26
16:15	1	10	11	8	2	1	1	0	0	0	0	0	0	0	34
16:30	0	0	9	6	3	1	0	0	0	0	0	0	0	0	19
16:45	7	23	60	38	7	3	1	0	0	0	0	0	0	0	139
17:00	0	1	6	13	6	0	0	0	0	0	0	0	0	0	26
17:15	0	2	2	5	4	3	0	0	0	0	0	0	0	0	16
17:30	0	2	12	4	3	1	0	0	0	0	0	0	0	0	22
17:45	0	2	9	15	3	0	0	0	0	0	0	0	0	0	29
18:00	0	7	29	37	16	4	0	0	0	0	0	0	0	0	93
18:15	0	2	6	14	2	1	0	0	0	0	0	0	0	0	25
18:30	2	1	13	10	2	0	0	0	0	0	0	0	0	0	28
18:45	1	1	6	11	2	0	0	0	0	0	0	0	0	0	21
19:00	0	5	6	12	5	0	0	0	0	0	0	0	0	0	28
19:15	3	9	31	47	11	1	0	0	0	0	0	0	0	0	102
19:30	1	0	6	8	1	0	0	0	0	0	0	0	0	0	16
19:45	1	4	4	3	0	0	0	0	0	0	0	0	0	0	12
20:00	0	2	2	4	0	0	0	0	0	0	0	0	0	0	8
20:15	0	2	3	2	0	0	0	0	0	0	0	0	0	0	7
20:30	2	8	15	17	1	0	0	0	0	0	0	0	0	0	43
20:45	0	2	3	4	0	0	0	0	0	0	0	0	0	0	9
21:00	2	1	5	3	0	0	0	0	0	0	0	0	0	0	11
21:15	0	0	8	1	0	0	0	0	0	0	0	0	0	0	9
21:30	0	0	0	6	1	0	0	0	0	0	0	0	0	0	7
21:45	2	3	16	14	1	0	0	0	0	0	0	0	0	0	36
22:00	3	0	4	1	2	0	0	0	0	0	0	0	0	0	10
22:15	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3
22:30	0	0	5	0	0	0	0	0	0	0	0	0	0	0	5
22:45	0	0	2	2	0	0	0	0	0	0	0	0	0	0	4
23:00	3	0	13	4	2	0	0	0	0	0	0	0	0	0	22
23:15	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
23:30	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3
23:45	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
24:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
24:15	0	3	4	1	0	0	0	0	0	0	0	0	0	0	8
24:30	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
24:45	1	0	1	1	0	0	0	0	0	0	0	0	0	0	3
25:00	0	1	1	1	1	0	0	0	0	0	0	0	0	0	4
25:15	0	0	4	0	1	0	0	0	0	0	0	0	0	0	5
25:30	1	1	7	2	2	0	0	0	0	0	0	0	0	0	13
25:45	1	0	0	1	0	0	0	0	0	0	0	0	0	0	2
26:00	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
26:15	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
26:30	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
26:45	1	2	3	1	0	0	0	0	0	0	0	0	0	0	7
Total	26	80	275	280	71	11	3	0	0	0	0	0	0	0	746
Grand Total	42	117	421	491	143	20	3	0	0	0	0	0	0	0	1237

15th Percentile : 21 MPH
 50th Percentile : 26 MPH
 85th Percentile : 30 MPH
 95th Percentile : 34 MPH

Stats
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 912
 Percent in Pace : 73.7%
 Number of Vehicles > 25 MPH : 657
 Percent of Vehicles > 25 MPH : 53.1%

SPEED DATA
WALNUT STREET
BETWEEN
SAUSALITO AND CATALINA
1/14/2020

North

[illegible]

Walnut Street
Btwn Sausalito Ave & Catalina St

North

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
12 PM	0	1	2	4	2	0	0	0	0	0	0	0	0	0	0	9
12:15	0	0	7	2	0	0	0	0	0	0	0	0	0	0	0	9
12:30	0	1	0	1	2	0	0	0	0	0	0	0	0	0	0	4
12:45	0	0	3	4	1	0	0	0	0	0	0	0	0	0	0	8
	0	2	12	11	5	0	0	0	0	0	0	0	0	0	0	30
13:00	0	0	1	4	0	0	0	0	0	0	0	0	0	0	0	5
13:15	0	1	3	5	0	0	0	0	0	0	0	0	0	0	0	9
13:30	1	2	2	3	2	0	0	0	0	0	0	0	0	0	0	10
13:45	0	1	3	2	0	0	0	0	0	0	0	0	0	0	0	6
	1	4	9	14	2	0	0	0	0	0	0	0	0	0	0	30
14:00	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	5
14:15	0	1	1	4	1	0	0	0	0	0	0	0	0	0	0	7
14:30	1	0	9	9	1	0	0	0	0	0	0	0	0	0	0	20
14:45	0	3	8	7	1	0	0	0	0	0	0	0	0	0	0	19
	1	4	18	25	3	0	0	0	0	0	0	0	0	0	0	51
15:00	0	7	19	2	0	0	0	0	0	0	0	0	0	0	0	28
15:15	1	4	3	2	0	0	0	0	0	0	0	0	0	0	0	10
15:30	1	4	10	0	0	0	0	0	0	0	0	0	0	0	0	15
15:45	2	2	1	2	1	0	0	0	0	0	0	0	0	0	0	8
	4	17	33	6	1	0	0	0	0	0	0	0	0	0	0	61
16:00	0	2	2	2	0	0	0	0	0	0	0	0	0	0	0	6
16:15	0	1	3	2	1	0	0	0	0	0	0	0	0	0	0	7
16:30	0	5	5	2	0	0	0	0	0	0	0	0	0	0	0	12
16:45	0	5	10	6	0	0	0	0	0	0	0	0	0	0	0	21
	0	13	20	12	1	0	0	0	0	0	0	0	0	0	0	46
17:00	0	0	4	4	1	0	0	0	0	0	0	0	0	0	0	9
17:15	2	1	5	2	0	0	0	0	0	0	0	0	0	0	0	10
17:30	0	2	7	1	0	0	0	0	0	0	0	0	0	0	0	10
17:45	2	1	10	2	0	0	0	0	0	0	0	0	0	0	0	15
	4	4	26	9	1	0	0	0	0	0	0	0	0	0	0	44
18:00	0	1	3	2	0	0	0	0	0	0	0	0	0	0	0	6
18:15	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
18:30	1	1	3	2	0	0	0	0	0	0	0	0	0	0	0	7
18:45	0	1	5	0	0	0	0	0	0	0	0	0	0	0	0	6
	1	4	12	4	0	0	0	0	0	0	0	0	0	0	0	21
19:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
19:15	0	4	1	1	0	0	0	0	0	0	0	0	0	0	0	6
19:30	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	4
19:45	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	3
	0	9	2	4	0	0	0	0	0	0	0	0	0	0	0	15
20:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
20:15	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
20:30	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	4
20:45	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
	0	5	2	1	0	0	0	0	0	0	0	0	0	0	0	8
21:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
21:15	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	5
22:00	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
22:15	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
22:30	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
22:45	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
	1	0	4	1	0	0	0	0	0	0	0	0	0	0	0	6
23:00	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
23:15	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2
23:30	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3
23:45	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2
	4	1	4	1	0	0	0	0	0	0	0	0	0	0	0	10
Total	18	64	144	88	13	0	0	0	0	0	0	0	0	0	0	327
Grand Total	26	90	241	144	30	0	0	0	0	0	0	0	0	0	0	531

15th Percentile : 18 MPH
 50th Percentile : 24 MPH
 85th Percentile : 29 MPH
 95th Percentile : 31 MPH

Stats
 Mean Speed(Average) : 23 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 385
 Percent in Pace : 72.5%
 Number of Vehicles > 25 MPH : 174
 Percent of Vehicles > 25 MPH : 32.8%

Walnut Street
Btwn Sausalito Ave & Catalina St

South

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
01/14/20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:15	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
00:30	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
00:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
01:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
02:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:45	0	0	1	0	0	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
03:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:45	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
04:15	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:45	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
05:00	0	0	1	2	0	0	0	0	0	0	0	0	0	0	3
05:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
05:45	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:15	1	0	0	0	1	0	0	0	0	0	0	0	0	0	2
06:30	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
06:45	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
07:00	1	1	1	1	1	0	0	0	0	0	0	0	0	0	5
07:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30	0	3	6	1	0	0	0	0	0	0	0	0	0	0	10
07:45	2	4	6	4	0	0	0	0	0	0	0	0	0	0	16
08:00	2	0	7	2	0	0	0	0	0	0	0	0	0	0	11
08:15	4	7	19	7	0	0	0	0	0	0	0	0	0	0	37
08:30	2	0	3	2	0	0	0	0	0	0	0	0	0	0	7
08:45	0	0	2	3	0	0	0	0	0	0	0	0	0	0	5
09:00	0	1	3	1	0	0	0	0	0	0	0	0	0	0	1
09:15	0	1	3	1	0	0	0	0	0	0	0	0	0	0	5
09:30	1	1	1	1	0	0	0	0	0	0	0	0	0	0	4
09:45	1	3	9	2	1	0	0	0	0	0	0	0	0	0	16
10:00	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3
10:15	1	2	0	0	0	0	0	0	0	0	0	0	0	0	3
10:30	0	0	4	0	0	0	0	0	0	0	0	0	0	0	4
10:45	2	1	2	0	0	0	0	0	0	0	0	0	0	0	5
11:00	3	3	9	0	0	0	0	0	0	0	0	0	0	0	15
11:15	0	1	4	1	0	0	0	0	0	0	0	0	0	0	6
11:30	2	0	3	1	2	0	0	0	0	0	0	0	0	0	8
11:45	1	0	5	1	0	0	0	0	0	0	0	0	0	0	7
12:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Total	35	16	64	23	4	2	0	0	0	0	0	0	0	0	22

Walnut Street
Btwn Sausalito Ave & Catalina St

South

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
12 PM	0	1	3	1	0	0	0	0	0	0	0	0	0	0	0	5
12:15	0	2	6	1	0	0	0	0	0	0	0	0	0	0	0	9
12:30	0	2	4	0	0	0	0	0	0	0	0	0	0	0	0	6
12:45	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	3
13:00	0	7	14	2	0	0	0	0	0	0	0	0	0	0	0	23
13:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13:30	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0	4
13:45	0	1	7	3	0	1	0	0	0	0	0	0	0	0	0	12
14:00	2	2	5	9	1	0	0	0	0	0	0	0	0	0	0	19
14:15	2	3	14	13	2	1	0	0	0	0	0	0	0	0	0	35
14:30	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	3
14:45	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	4
15:00	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	4
15:15	1	9	13	6	0	0	0	0	0	0	0	0	0	0	0	29
15:30	1	11	19	9	0	0	0	0	0	0	0	0	0	0	0	40
15:45	6	7	8	2	0	0	0	0	0	0	0	0	0	0	0	23
16:00	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4
16:15	0	3	2	1	0	0	0	0	0	0	0	0	0	0	0	6
16:30	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	4
16:45	6	10	17	4	0	0	0	0	0	0	0	0	0	0	0	37
17:00	0	1	3	3	1	0	0	0	0	0	0	0	0	0	0	8
17:15	3	1	1	1	1	0	0	0	0	0	0	0	0	0	0	7
17:30	2	3	6	0	2	0	0	0	0	0	0	0	0	0	0	13
17:45	0	3	4	0	0	0	0	0	0	0	0	0	0	0	0	7
18:00	5	8	14	4	4	0	0	0	0	0	0	0	0	0	0	35
18:15	0	2	9	3	1	0	0	0	0	0	0	0	0	0	0	15
18:30	1	1	5	1	0	0	0	0	0	0	0	0	0	0	0	8
18:45	0	1	5	1	0	0	0	0	0	0	0	0	0	0	0	7
19:00	0	1	5	2	0	0	0	0	0	0	0	0	0	0	0	8
19:15	1	5	24	7	1	0	0	0	0	0	0	0	0	0	0	38
19:30	0	3	6	1	0	0	0	0	0	0	0	0	0	0	0	10
19:45	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
20:00	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	4
20:15	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	5
20:30	2	7	10	2	0	0	0	0	0	0	0	0	0	0	0	21
20:45	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	4
21:00	1	2	2	2	0	0	0	0	0	0	0	0	0	0	0	7
21:15	1	0	2	2	0	0	0	0	0	0	0	0	0	0	0	5
21:30	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2
21:45	2	4	6	6	0	0	0	0	0	0	0	0	0	0	0	18
22:00	0	2	2	0	1	0	0	0	0	0	0	0	0	0	0	5
22:15	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
22:30	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
22:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	1	5	1	0	0	0	0	0	0	0	0	0	0	0	0	7
23:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
23:45	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	3
Total	21	68	124	48	8	1	0	0	0	0	0	0	0	0	0	270
Grand Total	36	84	188	71	12	1	0	0	0	0	0	0	0	0	0	392

15th Percentile : 17 MPH
 50th Percentile : 22 MPH
 85th Percentile : 27 MPH
 95th Percentile : 30 MPH

Stats
 Mean Speed(Average) : 22 MPH
 10 MPH Pace Speed : 16-25 MPH
 Number in Pace : 272
 Percent in Pace : 69.4%
 Number of Vehicles > 25 MPH : 84
 Percent of Vehicles > 25 MPH : 21.4%

Walnut Street
Btwn Sausalito Ave & Catalina St

North, South

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
01/14/20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:15	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
00:30	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
00:45	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
01:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
01:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
02:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:45	0	0	1	0	0	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
03:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:45	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
04:15	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:30	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
04:45	0	0	1	1	0	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
05:15	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3
05:30	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
05:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	1	2	1	0	0	0	0	0	0	0	0	0	0	4
06:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	1	0	0	0	1	0	0	0	0	0	0	0	0	0	2
06:45	2	2	1	1	0	0	0	0	0	0	0	0	0	0	6
07:00	0	0	7	1	0	0	0	0	0	0	0	0	0	0	8
07:15	3	2	8	2	1	0	0	0	0	0	0	0	0	0	16
07:30	0	0	3	3	2	0	0	0	0	0	0	0	0	0	8
07:45	0	4	22	6	1	0	0	0	0	0	0	0	0	0	33
08:00	2	6	27	16	3	0	0	0	0	0	0	0	0	0	54
08:15	2	1	11	6	2	0	0	0	0	0	0	0	0	0	22
08:30	4	11	63	31	8	0	0	0	0	0	0	0	0	0	117
08:45	2	2	11	4	1	0	0	0	0	0	0	0	0	0	20
09:00	2	2	6	8	0	0	0	0	0	0	0	0	0	0	18
09:15	0	1	5	2	1	0	0	0	0	0	0	0	0	0	9
09:30	2	2	6	3	1	0	0	0	0	0	0	0	0	0	14
09:45	6	7	28	17	3	0	0	0	0	0	0	0	0	0	61
10:00	0	1	4	3	0	0	0	0	0	0	0	0	0	0	8
10:15	0	3	5	1	2	0	0	0	0	0	0	0	0	0	11
10:30	0	1	4	4	0	0	0	0	0	0	0	0	0	0	9
10:45	1	3	4	1	0	0	0	0	0	0	0	0	0	0	9
11:00	1	8	17	9	2	0	0	0	0	0	0	0	0	0	37
11:15	0	1	5	1	1	0	0	0	0	0	0	0	0	0	8
11:30	1	2	1	2	1	0	0	0	0	0	0	0	0	0	7
11:45	0	2	5	0	0	0	0	0	0	0	0	0	0	0	7
12:00	3	1	4	0	0	0	0	0	0	0	0	0	0	0	8
12:15	4	6	15	3	2	0	0	0	0	0	0	0	0	0	30
12:30	0	1	6	2	0	0	0	0	0	0	0	0	0	0	9
12:45	2	3	8	4	2	0	0	0	0	0	0	0	0	0	19
13:00	2	1	5	4	1	0	0	0	0	0	0	0	0	0	13
13:15	0	1	4	4	2	0	0	0	0	0	0	0	0	0	11
13:30	4	6	23	14	5	0	0	0	0	0	0	0	0	0	52
Total	23	42	161	79	21	0	0	0	0	0	0	0	0	0	326

Walnut Street
Btwn Sausalito Ave & Catalina St

North, South

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
12 PM	0	2	5	5	2	0	0	0	0	0	0	0	0	0	0	14
12:15	0	2	13	3	0	0	0	0	0	0	0	0	0	0	0	18
12:30	0	3	4	1	2	0	0	0	0	0	0	0	0	0	0	10
12:45	0	2	4	4	1	0	0	0	0	0	0	0	0	0	0	11
	0	9	26	13	5	0	0	0	0	0	0	0	0	0	0	53
13:00	0	0	1	4	0	0	0	0	0	0	0	0	0	0	0	5
13:15	0	1	5	6	1	0	0	0	0	0	0	0	0	0	0	13
13:30	1	3	9	6	2	1	0	0	0	0	0	0	0	0	0	22
13:45	2	3	8	11	1	0	0	0	0	0	0	0	0	0	0	25
	3	7	23	27	4	1	0	0	0	0	0	0	0	0	0	65
14:00	0	0	2	6	0	0	0	0	0	0	0	0	0	0	0	8
14:15	0	2	4	4	1	0	0	0	0	0	0	0	0	0	0	11
14:30	1	1	10	11	1	0	0	0	0	0	0	0	0	0	0	24
14:45	1	12	21	13	1	0	0	0	0	0	0	0	0	0	0	48
	2	15	37	34	3	0	0	0	0	0	0	0	0	0	0	91
15:00	6	14	27	4	0	0	0	0	0	0	0	0	0	0	0	51
15:15	1	4	7	2	0	0	0	0	0	0	0	0	0	0	0	14
15:30	1	7	12	1	0	0	0	0	0	0	0	0	0	0	0	21
15:45	2	2	4	3	1	0	0	0	0	0	0	0	0	0	0	12
	10	27	50	10	1	0	0	0	0	0	0	0	0	0	0	98
16:00	0	3	5	5	1	0	0	0	0	0	0	0	0	0	0	14
16:15	3	2	4	3	2	0	0	0	0	0	0	0	0	0	0	14
16:30	2	8	11	2	2	0	0	0	0	0	0	0	0	0	0	25
16:45	0	8	14	6	0	0	0	0	0	0	0	0	0	0	0	28
	5	21	34	16	5	0	0	0	0	0	0	0	0	0	0	81
17:00	0	2	13	7	2	0	0	0	0	0	0	0	0	0	0	24
17:15	3	2	10	3	0	0	0	0	0	0	0	0	0	0	0	18
17:30	0	3	12	2	0	0	0	0	0	0	0	0	0	0	0	17
17:45	2	2	15	4	0	0	0	0	0	0	0	0	0	0	0	23
	5	9	50	16	2	0	0	0	0	0	0	0	0	0	0	82
18:00	0	4	9	3	0	0	0	0	0	0	0	0	0	0	0	16
18:15	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	4
18:30	1	2	5	3	0	0	0	0	0	0	0	0	0	0	0	11
18:45	2	3	6	0	0	0	0	0	0	0	0	0	0	0	0	11
	3	11	22	6	0	0	0	0	0	0	0	0	0	0	0	42
19:00	0	1	3	2	0	0	0	0	0	0	0	0	0	0	0	6
19:15	1	6	3	3	0	0	0	0	0	0	0	0	0	0	0	13
19:30	1	3	2	3	0	0	0	0	0	0	0	0	0	0	0	9
19:45	0	3	0	2	0	0	0	0	0	0	0	0	0	0	0	5
	2	13	8	10	0	0	0	0	0	0	0	0	0	0	0	33
20:00	0	2	2	1	1	0	0	0	0	0	0	0	0	0	0	6
20:15	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
20:30	1	4	3	0	0	0	0	0	0	0	0	0	0	0	0	8
20:45	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
	1	9	6	1	1	0	0	0	0	0	0	0	0	0	0	18
21:00	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3
21:15	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	4
21:30	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
21:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	3	2	1	0	0	0	0	0	0	0	0	0	0	0	8
22:00	1	3	4	0	0	0	0	0	0	0	0	0	0	0	0	8
22:15	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2
22:30	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
22:45	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
	2	5	5	1	0	0	0	0	0	0	0	0	0	0	0	13
23:00	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
23:15	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	3
23:30	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	4
23:45	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	3
	4	3	5	1	0	0	0	0	0	0	0	0	0	0	0	13
Total	39	132	268	136	21	1	0	0	0	0	0	0	0	0	0	597
Grand Total	62	174	429	215	42	1	0	0	0	0	0	0	0	0	0	923

15th Percentile : 18 MPH
 50th Percentile : 23 MPH
 85th Percentile : 28 MPH
 95th Percentile : 30 MPH

Stats
 Mean Speed(Average) : 23 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 644
 Percent in Pace : 69.8%
 Number of Vehicles > 25 MPH : 258
 Percent of Vehicles > 25 MPH : 28.0%

City of Los Alamitos TRAFFIC COMMISSION AGENDA REPORT

MEETING DATE: October 9, 2019 **ITEM NUMBER:** 7B

To: Chair Hill and Members of the Traffic Commission

Presented By: Farhad Iranitalab, Traffic Engineer

Subject: Request to Install Speed Humps and Chestnut Street Between Katella Avenue and Sausalito Street

SUMMARY

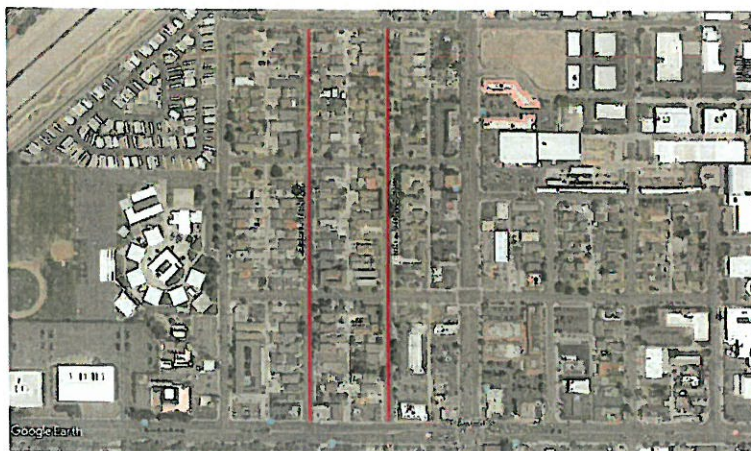
The City received a petition signed by residents on Chestnut Street and Walnut Avenue. The Traffic Commission considered the petition during the September 11, 2019 meeting and directed staff to further investigate the concerns raised in the petition with regard to excessive speed and failure to stop at intersections. As a result, a speed survey was recently conducted and the results are as presented for consideration by the Traffic Commission.

RECOMMENDATION

Receive and file.

BACKGROUND

The City received a petition on August 5, 2019 from residents in the Old Town West neighborhood, primarily from residents on Chestnut Street and Walnut Avenue between Katella Avenue and Sausalito Street. The petition requested the installation of speed humps in an attempt to slow down vehicular traffic. According to the petition, the speeding occurs between the hours of 7:00 to 8:30 a.m., and 3:00 to 4:30 p.m. when the highest traffic volume occurring during the school drop-off and pick-up time. The written request also notes that many drivers not stopping at the stop signs.



Existing Condition:

Chestnut Street is a North/South 2-lanes (one lane on each direction) local residential street that connect Cerritos Avenue from the north to Katella Avenue on the South. Chestnut street is 36 feet wide curb to curb, parking is allowed on both sides. Chestnut street carries 1940 vehicles per day (750 vehicle per day (vpd) in the north direction and 1190 vpd in the south direction). All intersections along Chestnut Street are controlled by a 4-way stop.



There is no posted speed limit sign, however, based on the California Vehicle Code the speed limit on the residential district is 25 mph and Chestnut Street is defined as a residential district.

Walnut Street is a North/South 2-lanes (one lane on each direction) local residential street that connect Sausalito Street from the north to Katella Avenue on the South. Walnut Street is 36 feet in width curb to curb, parking is allowed on both sides. Walnut Street carries an average daily traffic (ADT) of 1,060 vehicles per day (573 vpd in the north direction and 490 vpd in the south direction). The street is divided by skip yellow stripe centerline. All intersections along Walnut Street are controlled by 4-way stops.



There is no posted speed limit sign, however, based on the California Vehicle Code the speed limit on the residential district is 25 mph and Walnut street is defined as a residential district.

DISCUSSION

The Public Works Division collected traffic volume and speed data on Wednesday September 25, 2019 for a period of 24 hours to determine the speed distribution throughout the day.

Data indicates that the 85th percentile speed on Walnut Avenue is measured to be 30 mph, which is a typical profile for a residential street with a 25 mph speed limit. The 85th percentile means that there are 85 percent of drivers traveling at or lower than 30 mph. The total 24-hour traffic volume is 1060 vehicles per day.

Data also indicate that the highest speed recorded in the 24-hour period on Walnut Street included three vehicles traveling between 41-45 mph, and two vehicles traveling between 41-45 mph on Chestnut Street.

Table 1 presents the summary results of the survey. The raw data are attached as Appendix A.

Table 1- Summary Results of 24-Hours Traffic Volume Counts and Speeds

	Direction	Traffic Volume	85% Speed	% of Vehicles over 25 mph	% of Vehicles over 30 mph
Walnut Street	Northbound	570	30 mph	54%	14%
	Southbound	490	30 mph	45%	13%
Chestnut Street	Northbound	750	30 mph	41%	10%
	Southbound	1190	30 mph	54%	14%

The above information indicates that the conditions on both street in regard to speed is identical except that because Chestnut street connect Katella Avenue to Cerritos there might be few cut-through traffic during the rush hour by the drivers who want to bypass the intersection of Katella Avenue and Los Alamitos Boulevard.

Attachment: 1. Speed Survey

Chestnut Street
Btwn Sausalito St & Catalina St

North

[illegible]

Chestnut Street
Btwn Sausalito St & Catalina St

North

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	Total
	15	20	25	30	35	40	45	50	55	60	65	70	75	999	
12 PM	1	3	6	6	2	1	0	0	0	0	0	0	0	0	19
12:15	1	1	7	9	0	0	0	0	0	0	0	0	0	0	18
12:30	0	1	7	1	1	1	0	0	0	0	0	0	0	0	11
12:45	0	0	10	4	0	0	0	0	0	0	0	0	0	0	14
13:00	2	5	30	20	3	2	0	0	0	0	0	0	0	0	62
13:15	0	1	3	2	1	0	0	0	0	0	0	0	0	0	7
13:30	0	0	5	5	1	0	0	0	0	0	0	0	0	0	11
13:45	2	1	5	3	2	0	0	0	0	0	0	0	0	0	13
14:00	0	1	5	12	2	1	0	0	0	0	0	0	0	0	21
14:15	2	3	18	22	6	1	0	0	0	0	0	0	0	0	52
14:30	1	0	16	4	1	0	0	0	0	0	0	0	0	0	22
14:45	3	2	6	4	0	0	0	0	0	0	0	0	0	0	15
15:00	2	4	4	5	0	0	0	0	0	0	0	0	0	0	15
15:15	1	1	5	4	2	0	0	0	0	0	0	0	0	0	13
15:30	7	7	31	17	3	0	0	0	0	0	0	0	0	0	65
15:45	1	1	6	3	1	0	0	0	0	0	0	0	0	0	12
16:00	0	1	10	2	4	0	0	0	0	0	0	0	0	0	17
16:15	0	3	4	5	3	0	0	0	0	0	0	0	0	0	15
16:30	1	5	5	3	1	0	0	0	0	0	0	0	0	0	15
16:45	2	10	25	13	9	0	0	0	0	0	0	0	0	0	59
17:00	0	1	9	5	2	0	0	0	0	0	0	0	0	0	17
17:15	0	2	6	9	2	0	0	0	0	0	0	0	0	0	19
17:30	0	2	5	1	1	0	0	0	0	0	0	0	0	0	9
17:45	1	2	5	3	2	0	0	0	0	0	0	0	0	0	13
18:00	1	7	25	18	7	0	0	0	0	0	0	0	0	0	58
18:15	0	1	5	4	3	0	0	0	0	0	0	0	0	0	13
18:30	0	1	5	5	1	1	0	0	0	0	0	0	0	0	13
18:45	0	2	2	6	0	1	0	0	0	0	0	0	0	0	11
19:00	0	0	5	4	2	1	0	0	0	0	0	0	0	0	12
19:15	0	4	17	19	6	3	0	0	0	0	0	0	0	0	49
19:30	0	2	5	4	0	0	0	0	0	0	0	0	0	0	11
19:45	1	4	4	4	0	0	0	0	0	0	0	0	0	0	13
20:00	0	5	5	2	0	1	0	0	0	0	0	0	0	0	13
20:15	1	1	4	4	0	0	0	0	0	0	0	0	0	0	10
20:30	2	12	18	14	0	1	0	0	0	0	0	0	0	0	47
20:45	0	4	3	1	4	0	0	0	0	0	0	0	0	0	12
21:00	0	3	4	2	0	0	0	0	0	0	0	0	0	0	9
21:15	0	3	5	1	0	0	0	0	0	0	0	0	0	0	9
21:30	0	1	3	0	0	0	0	0	0	0	0	0	0	0	4
21:45	0	11	15	4	4	0	0	0	0	0	0	0	0	0	34
22:00	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3
22:15	0	2	3	1	0	0	0	0	0	0	0	0	0	0	6
22:30	0	2	3	5	0	0	0	0	0	0	0	0	0	0	10
22:45	0	1	3	2	1	0	0	0	0	0	0	0	0	0	7
23:00	0	6	11	8	1	0	0	0	0	0	0	0	0	0	26
23:15	0	2	1	1	0	0	0	0	0	0	0	0	0	0	4
23:30	0	2	3	2	0	0	0	0	0	0	0	0	0	0	7
23:45	1	1	2	0	0	0	0	0	0	0	0	0	0	0	4
24:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
24:15	1	5	6	4	0	0	0	0	0	0	0	0	0	0	16
24:30	0	0	1	0	2	0	0	0	0	0	0	0	0	0	3
24:45	1	1	1	1	0	0	0	0	0	0	0	0	0	0	4
25:00	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
25:15	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2
25:30	1	2	4	1	3	0	0	0	0	0	0	0	0	0	11
25:45	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
26:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
Total	18	72	200	142	42	7	0	0	0	0	0	0	0	0	481
Grand Total	31	100	315	230	63	11	0	0	0	0	0	0	0	0	750

15th Percentile : 20 MPH
 50th Percentile : 24 MPH
 85th Percentile : 30 MPH
 95th Percentile : 33 MPH

Stats
 Mean Speed(Average) : 24 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 545
 Percent in Pace : 72.7%
 Number of Vehicles > 25 MPH : 304
 Percent of Vehicles > 25 MPH : 40.5%

Chestnut Street
Btwn Sausalito St & Catalina St

South

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
09/25/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:30	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
00:45	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
01:00	1	0	0	0	1	0	0	0	0	0	0	0	0	0	2
01:15	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
02:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
02:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
03:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
03:45	0	0	0	1	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
04:15	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
04:30	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:45	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2
05:00	0	0	1	3	0	1	0	0	0	0	0	0	0	0	5
05:15	1	2	0	0	0	0	0	0	0	0	0	0	0	0	2
05:30	1	0	1	1	1	0	0	0	0	0	0	0	0	0	4
05:45	0	0	0	1	2	0	0	0	0	0	0	0	0	0	3
06:00	0	0	2	2	0	0	0	0	0	0	0	0	0	0	4
06:15	1	2	3	4	3	0	0	0	0	0	0	0	0	0	13
06:30	0	0	0	3	1	1	0	0	0	0	0	0	0	0	5
06:45	0	0	1	2	1	0	0	0	0	0	0	0	0	0	4
07:00	0	0	4	3	0	0	0	0	0	0	0	0	0	0	7
07:15	0	1	3	8	4	0	0	0	0	0	0	0	0	0	16
07:30	0	1	8	16	6	1	0	0	0	0	0	0	0	0	32
07:45	0	0	4	4	0	2	0	0	0	0	0	0	0	0	10
08:00	1	2	10	11	1	0	0	0	0	0	0	0	0	0	25
08:15	0	0	12	12	2	0	0	0	0	0	0	0	0	0	26
08:30	0	1	11	14	7	1	0	0	0	0	0	0	0	0	34
08:45	1	3	37	41	10	3	0	0	0	0	0	0	0	0	95
09:00	0	1	15	16	8	1	0	0	0	0	0	0	0	0	41
09:15	1	4	28	21	1	1	0	0	0	0	0	0	0	0	56
09:30	0	1	10	6	2	0	0	0	0	0	0	0	0	0	19
09:45	0	2	6	6	2	0	0	0	0	0	0	0	0	0	16
10:00	1	8	59	49	13	2	0	0	0	0	0	0	0	0	132
10:15	2	3	3	6	0	0	0	0	0	0	0	0	0	0	14
10:30	1	0	3	5	2	0	0	0	0	0	0	0	0	0	11
10:45	0	2	4	6	1	0	0	0	0	0	0	0	0	0	13
11:00	0	1	5	5	4	0	0	0	0	0	0	0	0	0	15
11:15	3	6	15	22	7	0	0	0	0	0	0	0	0	0	53
11:30	1	1	2	3	2	0	0	0	0	0	0	0	0	0	9
11:45	0	1	5	8	0	0	0	0	0	0	0	0	0	0	14
12:00	0	1	6	3	1	0	1	0	0	0	0	0	0	0	12
12:15	1	2	2	8	2	0	0	0	0	0	0	0	0	0	15
12:30	2	5	15	22	5	0	1	0	0	0	0	0	0	0	50
12:45	0	0	6	3	2	0	0	0	0	0	0	0	0	0	11
13:00	0	2	5	10	1	0	0	0	0	0	0	0	0	0	18
13:15	2	1	9	3	4	0	0	0	0	0	0	0	0	0	19
13:30	0	0	0	4	4	0	0	0	0	0	0	0	0	0	8
13:45	2	3	20	20	11	0	0	0	0	0	0	0	0	0	56
Total	11	29	159	178	57	7	1	0	0	0	0	0	0	0	442

Chestnut Street
Btwn Sausalito St & Catalina St

South

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
12 PM	1	1	5	4	3	1	0	0	0	0	0	0	0	0	15
12:15	1	3	5	3	2	0	0	0	0	0	0	0	0	0	14
12:30	0	1	8	9	1	0	0	0	0	0	0	0	0	0	19
12:45	0	0	7	5	2	0	0	0	0	0	0	0	0	0	14
13:00	2	5	25	21	8	1	0	0	0	0	0	0	0	0	62
13:15	0	0	7	8	6	0	0	0	0	0	0	0	0	0	21
13:30	0	0	5	6	6	1	0	0	0	0	0	0	0	0	18
13:45	0	1	8	9	3	0	0	0	0	0	0	0	0	0	21
14:00	0	3	12	11	7	0	0	0	0	0	0	0	0	0	33
14:15	0	4	32	34	22	1	0	0	0	0	0	0	0	0	93
14:30	0	2	16	10	3	0	0	0	0	0	0	0	0	0	31
14:45	1	5	12	9	5	0	0	0	0	0	0	0	0	0	32
15:00	0	1	10	9	5	0	0	0	0	0	0	0	0	0	25
15:15	0	0	16	21	2	0	0	0	0	0	0	0	0	0	39
15:30	1	8	54	49	15	0	0	0	0	0	0	0	0	0	127
15:45	1	0	8	10	3	1	0	0	0	0	0	0	0	0	23
16:00	0	0	8	7	5	1	0	0	0	0	0	0	0	0	21
16:15	1	0	7	4	2	0	0	0	0	0	0	0	0	0	14
16:30	2	1	6	15	9	0	0	0	0	0	0	0	0	0	33
16:45	4	1	29	36	19	2	0	0	0	0	0	0	0	0	91
17:00	0	2	11	7	5	0	0	0	0	0	0	0	0	0	25
17:15	0	0	11	11	3	0	1	0	0	0	0	0	0	0	26
17:30	0	7	4	8	5	0	0	0	0	0	0	0	0	0	24
17:45	0	1	2	12	1	0	0	0	0	0	0	0	0	0	16
18:00	0	10	28	38	14	0	1	0	0	0	0	0	0	0	91
18:15	0	2	7	15	3	0	0	0	0	0	0	0	0	0	27
18:30	2	1	4	13	2	1	0	0	0	0	0	0	0	0	23
18:45	0	0	8	9	1	1	0	0	0	0	0	0	0	0	19
19:00	0	1	10	10	2	2	0	0	0	0	0	0	0	0	25
19:15	2	4	29	47	8	4	0	0	0	0	0	0	0	0	94
19:30	1	0	2	8	2	1	0	0	0	0	0	0	0	0	14
19:45	1	0	13	4	2	0	0	0	0	0	0	0	0	0	20
20:00	1	0	3	14	1	0	0	0	0	0	0	0	0	0	19
20:15	1	2	9	2	0	0	0	0	0	0	0	0	0	0	14
20:30	4	2	27	28	5	1	0	0	0	0	0	0	0	0	67
20:45	0	1	3	3	0	0	0	0	0	0	0	0	0	0	7
21:00	0	0	5	4	0	0	0	0	0	0	0	0	0	0	9
21:15	1	1	8	4	0	0	0	0	0	0	0	0	0	0	14
21:30	1	1	7	1	0	0	0	0	0	0	0	0	0	0	10
21:45	2	3	23	12	0	0	0	0	0	0	0	0	0	0	40
22:00	0	0	8	3	2	0	0	0	0	0	0	0	0	0	13
22:15	0	1	3	4	0	0	0	0	0	0	0	0	0	0	8
22:30	1	0	4	4	0	0	0	0	0	0	0	0	0	0	9
22:45	1	0	3	1	1	0	0	0	0	0	0	0	0	0	6
23:00	2	1	18	12	3	0	0	0	0	0	0	0	0	0	36
23:15	1	0	1	3	0	0	0	0	0	0	0	0	0	0	5
23:30	0	2	4	2	0	0	0	0	0	0	0	0	0	0	8
23:45	0	0	3	1	0	0	0	0	0	0	0	0	0	0	4
24:00	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3
24:15	1	3	10	6	0	0	0	0	0	0	0	0	0	0	20
24:30	0	1	1	1	0	0	0	0	0	0	0	0	0	0	3
24:45	0	2	0	1	0	0	0	0	0	0	0	0	0	0	3
25:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
25:15	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
25:30	0	3	3	3	0	0	0	0	0	0	0	0	0	0	9
25:45	1	0	2	2	0	0	0	0	0	0	0	0	0	0	5
26:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
26:15	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
26:30	1	0	3	1	0	0	0	0	0	0	0	0	0	0	5
26:45	2	0	7	3	0	0	0	0	0	0	0	0	0	0	12
Total	20	44	285	289	94	9	1	0	0	0	0	0	0	0	742
Grand Total	31	73	444	467	151	16	2	0	0	0	0	0	0	0	1184

15th Percentile : 21 MPH
 50th Percentile : 26 MPH
 85th Percentile : 30 MPH
 95th Percentile : 34 MPH

Stats Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 911
 Percent in Pace : 76.9%
 Number of Vehicles > 25 MPH : 636
 Percent of Vehicles > 25 MPH : 53.7%

North, South

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
09:25/19	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
00:15	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
00:30	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
00:45	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
01:00	2	0	0	1	2	0	0	0	0	0	0	0	0	0	5
01:15	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
01:30	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
01:45	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
02:15	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:45	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
03:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
03:15	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2
03:30	0	0	1	1	1	0	0	0	0	0	0	0	0	0	3
03:45	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	4
04:15	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1
04:30	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
04:45	1	1	2	0	0	0	0	0	0	0	0	0	0	0	4
05:00	0	0	1	1	0	1	0	0	0	0	0	0	0	0	3
05:15	1	1	3	3	0	1	0	0	0	0	0	0	0	0	9
05:30	0	2	0	1	0	0	0	0	0	0	0	0	0	0	3
05:45	1	0	1	2	1	0	0	0	0	0	0	0	0	0	5
06:00	1	1	2	1	2	0	0	0	0	0	0	0	0	0	7
06:15	0	0	3	4	0	0	0	0	0	0	0	0	0	0	7
06:30	2	3	6	8	3	0	0	0	0	0	0	0	0	0	22
06:45	1	0	0	3	1	2	0	0	0	0	0	0	0	0	7
07:00	0	0	0	3	1	0	0	0	0	0	0	0	0	0	7
07:15	0	0	2	4	1	0	0	0	0	0	0	0	0	0	16
07:30	0	1	7	7	2	0	0	0	0	0	0	0	0	0	7
07:45	0	6	13	4	1	0	0	0	0	0	0	0	0	0	25
08:00	1	1	15	27	8	3	0	0	0	0	0	0	0	0	55
08:15	0	0	12	4	0	2	0	0	0	0	0	0	0	0	18
08:30	1	5	15	14	2	0	0	0	0	0	0	0	0	0	37
08:45	2	0	15	15	5	0	0	0	0	0	0	0	0	0	37
09:00	0	2	16	19	7	1	0	0	0	0	0	0	0	0	45
09:15	3	7	58	52	14	3	0	0	0	0	0	0	0	0	137
09:30	0	1	28	29	10	2	0	0	0	0	0	0	0	0	70
09:45	1	6	36	33	4	1	0	0	0	0	0	0	0	0	81
10:00	0	2	21	10	2	0	0	0	0	0	0	0	0	0	35
10:15	0	5	14	9	2	0	0	0	0	0	0	0	0	0	30
10:30	1	14	99	81	18	3	0	0	0	0	0	0	0	0	216
10:45	3	5	7	9	0	0	0	0	0	0	0	0	0	0	24
11:00	1	2	4	9	3	1	0	0	0	0	0	0	0	0	20
11:15	1	4	12	7	2	0	0	0	0	0	0	0	0	0	26
11:30	0	3	7	7	4	0	0	0	0	0	0	0	0	0	21
11:45	5	14	30	32	9	1	0	0	0	0	0	0	0	0	91
12:00	2	2	2	3	2	0	0	0	0	0	0	0	0	0	11
12:15	1	4	8	11	0	0	0	0	0	0	0	0	0	0	24
12:30	0	1	11	5	2	0	1	0	0	0	0	0	0	0	20
12:45	1	2	3	11	2	0	0	0	0	0	0	0	0	0	19
13:00	4	9	24	30	6	0	1	0	0	0	0	0	0	0	74
13:15	0	0	9	5	2	0	0	0	0	0	0	0	0	0	16
13:30	0	2	12	11	3	0	0	0	0	0	0	0	0	0	28
13:45	4	2	14	5	5	0	0	0	0	0	0	0	0	0	30
14:00	1	1	2	6	5	0	0	0	0	0	0	0	0	0	15
Total	5	5	37	27	15	0	0	0	0	0	0	0	0	0	89
	24	57	274	266	78	11	1	0	0	0	0	0	0	0	711

Chestnut Street
Btwn Sausalito St & Catalina St

North, South

Start Time	15	1620	2125	2630	3135	3640	4145	4650	5155	5660	6165	6670	7175	76999	Total
12 PM	2	4	11	10	5	2	0	0	0	0	0	0	0	0	34
12:15	2	4	12	12	2	0	0	0	0	0	0	0	0	0	32
12:30	0	2	15	10	2	1	0	0	0	0	0	0	0	0	30
12:45	0	0	17	9	2	0	0	0	0	0	0	0	0	0	28
13:00	4	10	55	41	11	3	0	0	0	0	0	0	0	0	124
13:15	0	1	10	10	7	0	0	0	0	0	0	0	0	0	28
13:30	0	0	10	11	7	1	0	0	0	0	0	0	0	0	29
13:45	2	2	13	12	5	0	0	0	0	0	0	0	0	0	34
14:00	0	4	17	23	9	1	0	0	0	0	0	0	0	0	54
14:15	2	7	50	56	28	2	0	0	0	0	0	0	0	0	145
14:30	1	2	32	14	4	0	0	0	0	0	0	0	0	0	53
14:45	4	7	18	13	5	0	0	0	0	0	0	0	0	0	47
15:00	2	5	14	14	5	0	0	0	0	0	0	0	0	0	40
15:15	1	1	21	25	4	0	0	0	0	0	0	0	0	0	52
15:30	8	15	85	66	18	0	0	0	0	0	0	0	0	0	192
15:45	2	1	14	13	4	1	0	0	0	0	0	0	0	0	35
16:00	0	1	18	9	9	1	0	0	0	0	0	0	0	0	38
16:15	1	3	11	9	5	0	0	0	0	0	0	0	0	0	29
16:30	3	6	11	18	10	0	0	0	0	0	0	0	0	0	48
16:45	6	11	54	49	28	2	0	0	0	0	0	0	0	0	150
17:00	0	3	20	12	7	0	0	0	0	0	0	0	0	0	42
17:15	0	2	17	20	5	0	1	0	0	0	0	0	0	0	45
17:30	0	9	9	9	6	0	0	0	0	0	0	0	0	0	33
17:45	1	3	7	15	3	0	0	0	0	0	0	0	0	0	29
18:00	1	17	53	56	21	0	1	0	0	0	0	0	0	0	149
18:15	0	3	12	19	6	0	0	0	0	0	0	0	0	0	40
18:30	2	2	9	18	3	2	0	0	0	0	0	0	0	0	36
18:45	0	2	10	15	1	2	0	0	0	0	0	0	0	0	30
19:00	0	1	15	14	4	3	0	0	0	0	0	0	0	0	37
19:15	2	8	46	66	14	7	0	0	0	0	0	0	0	0	143
19:30	1	2	7	12	2	1	0	0	0	0	0	0	0	0	25
19:45	2	4	17	8	2	0	0	0	0	0	0	0	0	0	33
20:00	1	5	8	16	1	1	0	0	0	0	0	0	0	0	32
20:15	2	3	13	6	0	0	0	0	0	0	0	0	0	0	24
20:30	6	14	45	42	5	2	0	0	0	0	0	0	0	0	114
20:45	0	5	6	4	4	0	0	0	0	0	0	0	0	0	19
21:00	0	3	9	6	0	0	0	0	0	0	0	0	0	0	18
21:15	1	4	13	5	0	0	0	0	0	0	0	0	0	0	23
21:30	1	2	10	1	0	0	0	0	0	0	0	0	0	0	14
21:45	2	14	38	16	4	0	0	0	0	0	0	0	0	0	74
22:00	0	1	10	3	2	0	0	0	0	0	0	0	0	0	16
22:15	0	3	6	5	0	0	0	0	0	0	0	0	0	0	14
22:30	1	2	7	9	0	0	0	0	0	0	0	0	0	0	19
22:45	1	1	6	3	2	0	0	0	0	0	0	0	0	0	13
23:00	2	7	29	20	4	0	0	0	0	0	0	0	0	0	62
23:15	1	2	2	4	0	0	0	0	0	0	0	0	0	0	9
23:30	0	4	7	4	0	0	0	0	0	0	0	0	0	0	15
23:45	1	1	5	1	0	0	0	0	0	0	0	0	0	0	8
24:00	0	1	2	1	0	0	0	0	0	0	0	0	0	0	4
24:15	2	8	16	10	0	0	0	0	0	0	0	0	0	0	36
24:30	0	1	2	1	2	0	0	0	0	0	0	0	0	0	6
24:45	1	3	1	2	0	0	0	0	0	0	0	0	0	0	7
25:00	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3
25:15	0	1	1	1	1	0	0	0	0	0	0	0	0	0	4
25:30	1	5	7	4	3	0	0	0	0	0	0	0	0	0	20
25:45	1	0	2	4	0	0	0	0	0	0	0	0	0	0	7
26:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
26:15	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
26:30	1	0	3	1	0	0	0	0	0	0	0	0	0	0	5
26:45	2	0	7	5	0	0	0	0	0	0	0	0	0	0	14
Total	38	116	485	431	136	16	1	0	0	0	0	0	0	0	1223
Grand Total	62	173	759	697	214	27	2	0	0	0	0	0	0	0	1934

15th Percentile : 21 MPH
 50th Percentile : 25 MPH
 85th Percentile : 30 MPH
 95th Percentile : 34 MPH

Stats
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 1456
 Percent in Pace : 75.3%
 Number of Vehicles > 25 MPH : 940
 Percent of Vehicles > 25 MPH : 48.6%

Walnut Street
Btwn Catalina St & Florista St

North

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
09/25/19	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2
00:15	0	0	0	2	1	0	0	0	0	0	0	0	0	0	3
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	1	2	1	1	0	0	0	0	0	0	0	0	5
01:15	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
02:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
02:45	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
03:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
03:45	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
04:15	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:45	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
05:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:45	0	0	1	3	0	0	0	0	0	0	0	0	0	0	4
06:00	0	0	1	3	0	0	0	0	0	0	0	0	0	0	4
06:15	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
06:30	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
06:45	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
07:00	0	0	0	2	0	1	0	0	0	0	0	0	0	0	3
07:15	0	0	1	4	0	1	0	0	0	0	0	0	0	0	6
07:30	0	1	2	3	0	0	0	0	0	0	0	0	0	0	6
07:45	0	1	1	3	1	0	0	0	0	0	0	0	0	0	6
08:00	1	3	9	23	8	0	0	0	0	0	0	0	0	0	20
08:15	1	4	10	15	5	1	0	0	0	0	0	0	0	0	12
08:30	0	0	8	18	6	0	1	0	0	0	0	0	0	0	44
08:45	0	1	1	6	4	1	0	0	0	0	0	0	0	0	36
09:00	0	0	1	1	4	1	0	0	0	0	0	0	0	0	33
09:15	0	0	1	1	1	0	0	0	0	0	0	0	0	0	13
09:30	1	5	20	40	16	2	1	0	0	0	0	0	0	0	3
09:45	0	1	0	2	1	0	0	0	0	0	0	0	0	0	85
10:00	0	1	0	2	1	0	0	0	0	0	0	0	0	0	4
10:15	0	0	5	1	0	1	0	0	0	0	0	0	0	0	7
10:30	1	0	1	1	1	0	0	0	0	0	0	0	0	0	4
10:45	0	1	0	2	0	0	0	0	0	0	0	0	0	0	3
11:00	1	2	6	6	2	1	0	0	0	0	0	0	0	0	18
11:15	1	2	1	1	0	0	0	0	0	0	0	0	0	0	5
11:30	0	0	4	1	0	0	0	0	0	0	0	0	0	0	5
11:45	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
12:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
12:15	1	2	6	4	1	0	0	0	0	0	0	0	0	0	14
12:30	0	2	0	1	1	0	0	0	0	0	0	0	0	0	4
12:45	0	1	1	3	1	0	0	0	0	0	0	0	0	0	6
13:00	0	1	1	5	0	0	0	0	0	0	0	0	0	0	7
13:15	1	0	0	3	0	0	0	0	0	0	0	0	0	0	4
13:30	1	4	2	12	2	0	0	0	0	0	0	0	0	0	21
Total	5	18	48	95	31	5	1	0	0	0	0	0	0	0	203

Walnut Street
Btwn Catalina St & Florista St

North

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	Total
	20	25	30	35	40	45	50	55	60	65	70	75	999		
12 PM	0	0	2	3	1	0	0	0	0	0	0	0	0	0	6
12:15	0	0	4	2	0	0	0	0	0	0	0	0	0	0	6
12:30	1	2	2	4	1	0	0	0	0	0	0	0	0	0	10
12:45	0	0	1	6	0	0	0	0	0	0	0	0	0	0	7
13:00	1	2	9	15	2	0	0	0	0	0	0	0	0	0	29
13:15	1	1	3	2	2	0	1	0	0	0	0	0	0	0	10
13:30	0	0	3	2	2	0	0	0	0	0	0	0	0	0	7
13:45	1	2	9	6	0	0	0	0	0	0	0	0	0	0	18
14:00	2	3	17	8	2	0	0	0	0	0	0	0	0	0	32
14:15	4	6	32	18	6	0	1	0	0	0	0	0	0	0	67
14:30	0	7	11	10	2	0	0	0	0	0	0	0	0	0	30
14:45	0	3	5	4	1	0	0	0	0	0	0	0	0	0	13
15:00	0	1	4	5	0	0	0	0	0	0	0	0	0	0	10
15:15	0	0	0	6	2	0	0	0	0	0	0	0	0	0	8
15:30	0	11	20	25	5	0	0	0	0	0	0	0	0	0	61
15:45	1	0	3	2	0	0	0	0	0	0	0	0	0	0	6
16:00	0	1	3	3	1	0	0	0	0	0	0	0	0	0	8
16:15	0	1	4	4	1	0	0	0	0	0	0	0	0	0	10
16:30	1	4	5	1	3	0	0	0	0	0	0	0	0	0	14
16:45	2	6	15	10	5	0	0	0	0	0	0	0	0	0	38
17:00	0	1	6	6	0	0	0	0	0	0	0	0	0	0	13
17:15	0	0	2	4	0	1	0	0	0	0	0	0	0	0	7
17:30	0	0	0	4	3	0	0	0	0	0	0	0	0	0	7
17:45	0	0	4	6	1	0	0	0	0	0	0	0	0	0	11
18:00	0	1	12	20	4	1	0	0	0	0	0	0	0	0	38
18:15	0	1	4	4	0	0	0	0	0	0	0	0	0	0	9
18:30	1	1	2	3	1	0	0	0	0	0	0	0	0	0	8
18:45	0	0	3	6	5	1	0	0	0	0	0	0	0	0	15
19:00	0	0	4	5	0	0	0	0	0	0	0	0	0	0	9
19:15	1	2	13	18	6	1	0	0	0	0	0	0	0	0	41
19:30	1	0	2	4	4	0	0	0	0	0	0	0	0	0	11
19:45	0	0	4	2	1	0	0	0	0	0	0	0	0	0	7
20:00	1	2	3	3	0	0	0	0	0	0	0	0	0	0	9
20:15	1	3	2	3	0	0	0	0	0	0	0	0	0	0	9
20:30	3	5	11	12	5	0	0	0	0	0	0	0	0	0	36
20:45	0	1	2	1	0	0	0	0	0	0	0	0	0	0	4
21:00	3	2	1	2	0	0	0	0	0	0	0	0	0	0	8
21:15	0	0	4	2	1	0	0	0	0	0	0	0	0	0	7
21:30	0	0	1	2	1	0	0	0	0	0	0	0	0	0	4
21:45	0	0	1	2	1	0	0	0	0	0	0	0	0	0	4
22:00	3	3	8	7	2	0	0	0	0	0	0	0	0	0	23
22:15	0	1	3	1	1	0	0	0	0	0	0	0	0	0	6
22:30	0	0	0	3	1	0	0	0	0	0	0	0	0	0	4
22:45	0	2	3	0	0	0	0	0	0	0	0	0	0	0	5
23:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
23:15	0	3	7	4	2	0	0	0	0	0	0	0	0	0	16
23:30	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
23:45	0	1	1	1	0	0	0	0	0	0	0	0	0	0	3
24:00	0	0	2	2	0	0	0	0	0	0	0	0	0	0	4
24:15	0	0	2	0	0	1	0	0	0	0	0	0	0	0	3
24:30	0	1	5	4	0	1	0	0	0	0	0	0	0	0	11
24:45	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
25:00	1	0	1	1	0	0	0	0	0	0	0	0	0	0	3
25:15	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2
25:30	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
25:45	3	0	2	3	0	0	0	0	0	0	0	0	0	0	8
26:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26:15	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
26:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
Total	17	40	134	137	38	3	1	0	0	0	0	0	0	0	370
Grand Total	22	58	182	232	69	8	2	0	0	0	0	0	0	0	573

15th Percentile : 21 MPH
 50th Percentile : 26 MPH
 85th Percentile : 30 MPH
 95th Percentile : 34 MPH

Stats Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 414
 Percent in Pace : 72.3%
 Number of Vehicles > 25 MPH : 311
 Percent of Vehicles > 25 MPH : 54.3%

Walnut Street
Btwn Catalina St & Florista St

South

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
09/25/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:15	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:45	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
01:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
01:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
02:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:45	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
03:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:45	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
04:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:45	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
05:00	0	1	2	1	0	0	0	0	0	0	0	0	0	0	4
05:15	0	1	1	1	0	0	0	0	0	0	0	0	0	0	3
05:30	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
05:45	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
06:00	0	1	1	2	0	1	0	0	0	0	0	0	0	0	5
06:15	0	1	0	1	1	0	0	0	0	0	0	0	0	0	3
06:30	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
06:45	1	0	2	2	1	0	0	0	0	0	0	0	0	0	6
07:00	0	0	1	3	1	0	0	0	0	0	0	0	0	0	5
07:15	1	4	3	6	3	0	0	0	0	0	0	0	0	0	17
07:30	0	0	3	2	0	1	0	0	0	0	0	0	0	0	6
07:45	2	5	2	3	1	0	0	0	0	0	0	0	0	0	13
08:00	0	1	5	11	0	0	0	0	0	0	0	0	0	0	17
08:15	1	3	11	5	2	0	0	0	0	0	0	0	0	0	22
08:30	3	9	21	3	1	0	0	0	0	0	0	0	0	0	58
08:45	0	3	8	5	0	0	0	0	0	0	0	0	0	0	16
09:00	0	0	4	7	1	0	0	0	0	0	0	0	0	0	12
09:15	1	1	5	4	2	0	0	0	0	0	0	0	0	0	13
09:30	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3
09:45	1	5	19	16	3	0	0	0	0	0	0	0	0	0	44
10:00	0	3	1	2	0	0	0	0	0	0	0	0	0	0	6
10:15	0	2	4	3	0	0	0	0	0	0	0	0	0	0	9
10:30	0	1	4	2	1	0	0	0	0	0	0	0	0	0	8
10:45	0	1	3	1	0	0	0	0	0	0	0	0	0	0	5
11:00	0	7	12	8	1	0	0	0	0	0	0	0	0	0	28
11:15	0	0	1	4	1	1	0	0	0	0	0	0	0	0	7
11:30	1	1	2	2	0	0	0	0	0	0	0	0	0	0	6
11:45	0	0	2	2	0	0	0	0	0	0	0	0	0	0	4
12:00	0	0	0	2	1	2	0	0	0	0	0	0	0	0	5
12:15	1	1	5	10	2	3	0	0	0	0	0	0	0	0	22
12:30	0	0	1	2	0	0	0	0	0	0	0	0	0	0	3
12:45	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2
13:00	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3
13:15	0	1	1	4	0	0	0	0	0	0	0	0	0	0	6
Total	7	30	70	70	12	5	0	0	0	0	0	0	0	0	14

Walnut Street
Btwn Catalina St & Florista St

South

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
12 PM	2	1	1	2	1	0	0	0	0	0	0	0	0	0	0	7
12:15	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	4
12:30	0	1	3	4	0	0	0	0	0	0	0	0	0	0	0	8
12:45	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	6
13:00	4	2	9	9	1	0	0	0	0	0	0	0	0	0	0	25
13:15	1	0	4	2	2	0	0	0	0	0	0	0	0	0	0	9
13:30	0	0	1	5	2	0	0	0	0	0	0	0	0	0	0	8
13:45	0	1	6	5	1	0	0	0	0	0	0	0	0	0	0	13
14:00	0	2	4	4	2	0	0	0	0	0	0	0	0	0	0	12
14:15	1	3	15	16	7	0	0	0	0	0	0	0	0	0	0	42
14:30	5	8	15	5	0	0	0	0	0	0	0	0	0	0	0	33
14:45	3	1	5	3	1	0	1	0	0	0	0	0	0	0	0	14
15:00	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
15:15	0	1	4	5	1	0	0	0	0	0	0	0	0	0	0	11
15:30	8	10	26	13	2	0	1	0	0	0	0	0	0	0	0	60
15:45	0	3	3	4	0	0	0	0	0	0	0	0	0	0	0	10
16:00	1	0	3	5	1	0	0	0	0	0	0	0	0	0	0	10
16:15	0	2	4	3	1	0	0	0	0	0	0	0	0	0	0	10
16:30	1	1	4	6	5	0	0	0	0	0	0	0	0	0	0	17
16:45	2	6	14	18	7	0	0	0	0	0	0	0	0	0	0	47
17:00	0	0	2	3	3	0	0	0	0	0	0	0	0	0	0	8
17:15	0	3	2	4	1	1	0	0	0	0	0	0	0	0	0	11
17:30	0	2	3	2	2	1	0	0	0	0	0	0	0	0	0	10
17:45	1	1	5	2	1	0	0	0	0	0	0	0	0	0	0	10
18:00	1	6	12	11	7	2	0	0	0	0	0	0	0	0	0	39
18:15	0	1	1	2	5	0	0	0	0	0	0	0	0	0	0	9
18:30	0	1	2	3	2	0	0	0	0	0	0	0	0	0	0	8
18:45	0	0	2	4	0	0	0	0	0	0	0	0	0	0	0	6
19:00	0	0	3	2	1	1	0	0	0	0	0	0	0	0	0	7
19:15	0	2	8	11	8	1	0	0	0	0	0	0	0	0	0	30
19:30	0	0	1	2	3	0	0	0	0	0	0	0	0	0	0	6
19:45	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0	4
20:00	1	0	0	2	1	0	0	0	0	0	0	0	0	0	0	4
20:15	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	6
20:30	0	0	5	1	0	0	0	0	0	0	0	0	0	0	0	6
20:45	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
21:00	1	3	9	6	0	0	0	0	0	0	0	0	0	0	0	19
21:15	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	3
21:30	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
21:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:15	0	1	4	0	2	0	0	0	0	0	0	0	0	0	0	7
22:30	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
22:45	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
23:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
23:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	20	33	108	93	39	3	1	0	0	0	0	0	0	0	0	297
Grand Total	27	63	178	163	51	8	1	0	0	0	0	0	0	0	0	491

15th Percentile : 19 MPH
 50th Percentile : 25 MPH
 85th Percentile : 30 MPH
 95th Percentile : 34 MPH

Stats
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 341
 Percent in Pace : 69.5%
 Number of Vehicles > 25 MPH : 223
 Percent of Vehicles > 25 MPH : 45.4%

Walnut Street
Btwn Catalina St & Florista St

North, South

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
12 PM	2	1	3	5	2	0	0	0	0	0	0	0	0	0	13
12:15	0	0	5	5	0	0	0	0	0	0	0	0	0	0	10
12:30	1	3	5	8	1	0	0	0	0	0	0	0	0	0	18
12:45	2	0	5	6	0	0	0	0	0	0	0	0	0	0	13
13:00	5	4	18	24	3	0	0	0	0	0	0	0	0	0	54
13:15	2	1	7	4	4	0	1	0	0	0	0	0	0	0	19
13:30	0	0	4	7	4	0	0	0	0	0	0	0	0	0	15
13:45	1	3	15	11	1	0	0	0	0	0	0	0	0	0	31
14:00	2	5	21	12	4	0	0	0	0	0	0	0	0	0	44
14:15	5	9	47	34	13	0	1	0	0	0	0	0	0	0	109
14:30	5	15	26	15	2	0	0	0	0	0	0	0	0	0	63
14:45	3	4	10	7	2	0	1	0	0	0	0	0	0	0	27
15:00	0	1	6	5	0	0	0	0	0	0	0	0	0	0	12
15:15	0	1	4	11	3	0	0	0	0	0	0	0	0	0	19
15:30	8	21	46	38	7	0	1	0	0	0	0	0	0	0	121
15:45	1	3	6	6	0	0	0	0	0	0	0	0	0	0	16
16:00	1	1	6	8	2	0	0	0	0	0	0	0	0	0	18
16:15	0	3	8	7	2	0	0	0	0	0	0	0	0	0	20
16:30	2	5	9	7	8	0	0	0	0	0	0	0	0	0	31
16:45	4	12	29	28	12	0	0	0	0	0	0	0	0	0	85
17:00	0	1	8	9	3	0	0	0	0	0	0	0	0	0	21
17:15	0	3	4	8	1	2	0	0	0	0	0	0	0	0	18
17:30	0	2	3	6	5	1	0	0	0	0	0	0	0	0	17
17:45	1	1	9	8	2	0	0	0	0	0	0	0	0	0	21
18:00	1	7	24	31	11	3	0	0	0	0	0	0	0	0	77
18:15	0	2	5	6	5	0	0	0	0	0	0	0	0	0	18
18:30	1	2	4	6	3	0	0	0	0	0	0	0	0	0	16
18:45	0	0	5	10	5	1	0	0	0	0	0	0	0	0	21
19:00	0	0	7	7	1	1	0	0	0	0	0	0	0	0	16
19:15	1	4	21	29	14	2	0	0	0	0	0	0	0	0	71
19:30	1	0	3	6	7	0	0	0	0	0	0	0	0	0	17
19:45	0	0	6	3	2	0	0	0	0	0	0	0	0	0	11
20:00	2	2	3	5	1	0	0	0	0	0	0	0	0	0	13
20:15	1	3	5	3	0	0	0	0	0	0	0	0	0	0	12
20:30	4	5	17	17	10	0	0	0	0	0	0	0	0	0	53
20:45	0	3	2	3	0	0	0	0	0	0	0	0	0	0	8
21:00	4	3	4	5	0	0	0	0	0	0	0	0	0	0	16
21:15	0	0	9	3	1	0	0	0	0	0	0	0	0	0	13
21:30	0	0	2	2	1	0	0	0	0	0	0	0	0	0	5
21:45	4	6	17	13	2	0	0	0	0	0	0	0	0	0	42
22:00	0	1	5	2	1	0	0	0	0	0	0	0	0	0	9
22:15	0	0	2	3	1	0	0	0	0	0	0	0	0	0	6
22:30	0	2	3	0	0	0	0	0	0	0	0	0	0	0	5
22:45	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2
23:00	1	3	11	5	2	0	0	0	0	0	0	0	0	0	22
23:15	0	1	3	1	0	0	0	0	0	0	0	0	0	0	5
23:30	0	1	1	1	2	0	0	0	0	0	0	0	0	0	5
23:45	0	0	3	2	0	0	0	0	0	0	0	0	0	0	3
24:00	0	0	2	0	0	1	0	0	0	0	0	0	0	0	3
24:15	0	2	9	4	2	1	0	0	0	0	0	0	0	0	18
24:30	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
24:45	1	0	1	1	0	0	0	0	0	0	0	0	0	0	3
25:00	1	0	1	2	0	0	0	0	0	0	0	0	0	0	4
25:15	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3
25:30	4	0	2	6	0	0	0	0	0	0	0	0	0	0	12
25:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26:00	0	0	1	1	1	0	0	0	0	0	0	0	0	0	3
26:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	37	73	242	230	77	6	2	0	0	0	0	0	0	0	667
Grand Total	49	121	360	395	120	16	3	0	0	0	0	0	0	0	1064

15th Percentile : 20 MPH
 50th Percentile : 26 MPH
 85th Percentile : 30 MPH
 95th Percentile : 34 MPH

Stats
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 755
 Percent in Pace : 71.0%
 Number of Vehicles > 25 MPH : 534
 Percent of Vehicles > 25 MPH : 50.2%

MINUTES OF TRAFFIC COMMISSION MEETING OF THE CITY OF LOS ALAMITOS

REGULAR MEETING – October 09, 2019

1. CALL TO ORDER

The Traffic Commission met in Regular Session at 7:00 p.m. on October 09, 2019 in the Council Chamber, 3191 Katella Avenue, Los Alamitos, California, Chair Hill presiding.

2. ROLL CALL

Present: Commissioners: Chair Hill
Vice Chair Patz
Mejia, Rodman, Singer, and West

Absent: Coxhill (excused)

Present: Staff: Dave Hunt, City Engineer
Les Johnson, Interim City Manager
Chris Karrer, Captain
Maria Veronica Enciso, Department Secretary

3. PLEDGE OF ALLEGIANCE

The Pledge of Allegiance was led by Vice Chair Patz.

4. PRESENTATIONS

A. Presentation of Fiscal Sustainability

5. ORAL COMMUNICATION

Chair Hill opened the meeting for Oral Communications.

George Thompson, resident, asked the following questions:

- When does the approval [to remove the permit parking signs] occur?
- When will the signs be removed?
- Will there still be ticketing occur from now until the approval?
- What about the signage on Siboney Street?

Shawn Hall, resident, expressed his support to remove the parking permit program (in the New Dutch Haven neighborhood). He also shared that the Police Department did not have enough parking permits to give out.

Clyde Mills, resident, asked why the enforcement of the parking permit program occurred. He also expressed that he does not see a problem with parking on Bunker Hill Drive.

Anna Christenson expressed her support to remove the parking permit program (in the New Dutch Haven neighborhood).

Resident Nancy is opposed to the parking permit program.

Resident Guy started a petition to remove the parking permit on Saratoga Street and gave a copy of the petition to City staff.

Resident Melissa wanted to know why [the permit parking program] is in effect and wanted to know why the Police Department needs their personal information in order to receive a parking permit.

Resident Mark expressed his concern of their quality of life due to the parking permit program. He also conducted a survey in the New Dutch Haven Neighborhood.

Lorraine Papadopoulos, resident, expressed her concern of the parking permit program and how it would affect selling the home.

Resident Kathy expressed her approval to remove the parking permit program [in the New Dutch Haven neighborhood].

6. APPROVAL OF MINUTES

A. Approve the Minutes for the Regular Meeting of September 11, 2019

Commissioner Mejia noted the following changes:

- Page 5, third paragraph – change “of” to “about”.
- Page 5, fourth paragraph – add “and stop bars” after crosswalks.
- Page 8, Item 7 second bullet point – add “per hour” after mile.
- Page 8, Item 7 third bullet point—change “His” to “Has”.

Commissioner Rodman noted the following changes:

- Oral Communication – change all the “residents” to state the resident’s name following “who lives”.
- Page 2, second bullet point – change “have” to “has”.
- Page 2, third bullet point – change “have” to “have been”.
- Page 2, fifth bullet point – change “request” to “requested”.
- Page 2, sixth bullet point – change “violation” to “violations” and change “permit to “permits”.
- Page 2, eighth bullet point – change “in” to “on” and change “permit” to “program”
- Page 2, eleventh bullet point – remove “had”.
- Page 6, item C – repeated statement from Vice Chair Patz on page 7.
- Page 7, first paragraph – move statement somewhere else.

Vice Chair Patz noted the following changes:

- Page 1, item 4 – remove “for”.
- Page 2, third bullet point – change “have” to “have been”.
- Page 2, sixth bullet point – add “program” after “parking permit”.
- Page 2, seventh bullet point – change “of” to “to” and add “program” after “parking permit”.
- Page 2, eighth bullet point – change “of” to “for” and add “program” after “parking permit”.
- Page 2, eleventh bullet point – remove “had”.
- Page 2, twelfth bullet point – add “program” after “parking permit”.
- Page 2, last bullet point – remove “the”.
- Page 3, sixth bullet point – change “get” to “take”.
- Page 3, seventh bullet point – add “and” after “Drive”.
- Page 3, eighth bullet point – add “and” after “Drive” and change “permit” to “permits”.
- Page 3, ninth bullet point – add “and” after “Drive”.
- Page 4, item 6 second to last paragraph – change “speeds” to “speed” and remove “the” before “complaints”.
- Page 4, last paragraph – add “to” before “gather data”.
- Page 5, third paragraph – change “of” to “about” and change “have” to “having”.
- Page 5, fourth paragraph – change “inconsistency” to “inconsistencies”.
- Page 8, item 7 second paragraph – change “at” to “in the”.

Chair Hill noted the following changes:

- Page 4, second to last paragraph – add “each” after “\$7,000”.

Motion/Second: Patz/Rodman

Carried 6/0: The Traffic Commission approved the minutes of the Regular meeting of September 11, 2019 with amendments.

7. STAFF REPORTS

A. Request to Remove Permit Parking from New Dutch Haven Neighborhood and to Remove Permit Parking on Langley Drive and Saratoga Drive in Carrier Row Neighborhood

Residents of the New Dutch Haven neighborhood submitted four separate petitions requesting to remove permit parking on Bunker Hill Drive, Bennington Street, Antietam Avenue, and Mindora Street. Residents on Langley Drive and Saratoga Drive in the Carrier Row Neighborhood also submitted separate petitions requesting to remove permit parking on those streets as well. The submitted petitions from residents on all identified streets except Saratoga Drive met the minimum 75% petition approval needed. A petition was not submitted for Green Avenue.

Traffic Engineer Iranitalab summarized the staff report.

City Engineer Hunt discussed the resident's questions that were asked during Oral Communications:

- Petition made in Carrier Row neighborhood was due to a business in the area.
- Parking permit program in the New Dutch Haven neighborhood was due to the Los Alamitos Race Track.
- The petition process to remove the parking permit program is the same as to how the petition was put in place.
 - Once the petition is approved by City Council, the Public Works division will remove the parking permit signs.
- Clarified the signs on Siboney Street and Katella Avenue will be included in the removal since the properties in the area are businesses and not residents.

Captain Karrer discussed the questions that were asked during Oral Communications:

- A survey was made and given to the City Council and it was recommended to remove the permit parking program, but the City Council denied the recommendation.
- The request to have the driver's license information is to protect the residents in the neighborhood.
- The Police Department ran out of parking permits because they did not realize how many people were out of compliance.

Commissioner Mejia clarified the survey that was done in 2018 showed results of residents wanting to keep the signs, but no enforcement and this is a bad way to do business in the City. This is where the Traffic Commission needed to make a decision when they were given the task to go over the Parking Permit Program. He also thanks the residents.

Resident stated that no one in his neighborhood received the information, so that is what motivated him to do a survey.

Commissioner Rodman thanks the residents.

Vice Chair Patz reiterates the petition process and states that there are five neighborhoods with a Parking Permit Program.

Resident stated that there is a lack of communication between the City and the residents.

Commissioner Singer stated that it is clear that the signs are not needed and the residents do not want it.

Commissioner West thanked the residents.

Chair Hill answered the question about how long the process will take [to remove the permit parking program].

A resident asked if the streets will be listed individually to which Department Secretary Enciso answered that streets will be listed individually when it is presented at City Council.

A resident asked if there will be enforcement to which Captain Karrer responded that the areas that have been presented are not going to be enforced.

A resident asked how confident are we that the City Council will approve the removal of the permit parking program. Chair Hill responded by stating that the residents have now spoken.

A resident reiterates the lack of communication between the residents and the City.

Resident Rob Stevens thanked the Traffic Commission.

Motion/Second - Patz/Singer

Carried 6/0 (Coxhill Absent): Motion to remove the parking permit program in the New Dutch Haven neighborhood and Langley Drive and Saratoga Drive in the Carrier Row neighborhood. The following streets are included: Bunker Hill Drive, Bennington Street, Antietam Avenue, and Mindora Street in the New Dutch Haven neighborhood, and Langley Drive in Carrier Row Neighborhood. Also to include Saratoga Drive assuming it meets the 75% signature criteria and include Katella Avenue and Siboney Street.

A resident inquired if the petition for Saratoga Drive does not come in time for the City Council meeting that it will not hinder the other streets from having the parking permit program removed. Chair Hill advised that it would not hinder them. The resident also inquired if there was a need for the residents to attend the City Council. The Traffic Commission advised for residents that they are welcome to attend the City Council meeting and to call or email the City Council members.

City Engineer Hunt informed the residents that the petition will move forward to the November City Council Meeting.

B. Request to Install Speed Humps on Chestnut Street Between Katella Avenue and Sausalito Street

The City received a petition signed by residents on Chestnut Street and Walnut Avenue. The Traffic Commission considered the petition during the September 11, 2019 meeting and directed staff to further investigate the concerns raised in the petition with regard to excessive speed and failure to stop at intersections.

Traffic Commission Agenda

October 9, 2019

Page 5 of 7

As a result, a speed survey was recently conducted and the results are as presented for consideration by the Traffic Commission.

Traffic Engineer Iranitalab summarized the staff report.

City Engineer Hunt added to the summarization of the staff report.

The Traffic Commission and staff discussed the following:

- Speed limits, posted or not, that a driver might get a ticket.
- The study does not support the request to have speed humps installed.
- Encourage the Police Department to catch those running the stop signs.
- Placed ghost cars, more patrol, and officers in the area.
- Inconsistencies with the stop signs, bars, and crosswalks.
- Continued assessment of the area until the January 2020 Traffic Commission meeting.
- Possibly look into digital signs that can be moved to different areas.
- The issue of having 2,000 cars a day on Chestnut is something to look into.
- A way to discourage people to use the neighborhood as a shortcut by use of residential roundabout or something similar.

C. Traffic Commission Status Log

This is a tracking tool used by the Commission to track assignments and accomplishments.

Commissioner Mejia discussed the following:

- Item F7 – Update on the item
- Item F15 – Add date of last repair

Commissioner Rodman discussed the following:

- Item F12 – Change remark to completed

8. ITEMS FROM THE DIRECTOR/CITY ENGINEER

City Engineer Hunt informed the Traffic Commission of the following:

- City of Cypress will be doing pavement work on Katella Avenue from Walker Street to Valley View Street.
- Rossmoor Los Alamitos Sewer District will be doing work on Corporate Center Drive towards Calle Lee due to an emergency sewer repair.
- Street Widening on Briggeman Drive will start in the next couple of weeks.
- The Pavement Rehabilitation project will be awarded in the October City Council meeting.
- Typically, no Traffic Commission meeting in December depending if there will be any business to be discussed.

9. TRAFFIC COMMISSION INITIATED BUSINESS

Vice Chair Patz discussed the following:

- The lights on Los Alamitos Boulevard right before Cerritos Avenue are not synchronized.
- San Bonito Avenue street sign on Bloomfield Street going north to south is being blocked by a block wall.

Chair Hill discussed the following:

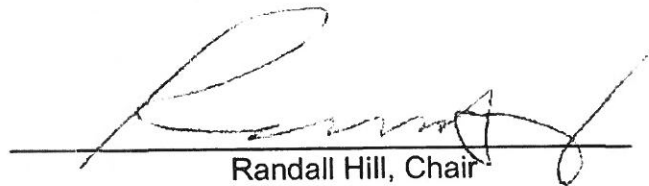
- Have a dedicated right lane near Los Alamitos High School.
- Scramble intersection at Los Alamitos Boulevard and Cerritos Avenue.

10. ADJOURNMENT

Motion/Second: Patz/Singer

Carried 6/0: The Traffic Commission unanimously voted to adjourn the meeting until November 13, 2019.

The Traffic Commission adjourned at 9:29 p.m.



Randall Hill, Chair

Attest:



Maria Veronica Enciso, Department Secretary

TRAFFIC COMMISSION STATUS LOG

ITEM	DESCRIPTION	DATE INITIATED	REQUESTED BY	COUNCIL OR STAFF	TAKEN TO	REMARKS
RECOMMENDATION PENDING/APPROVAL/COMPLETION						
A1	install 4-way stop signs at 4-way stop intersections	Jul-15	J. Wilhelm			Completed
A2	Farquhar/Los Alamitos Alley Study		Emerson/Mejia			Completed
A3	No left turn sign by the post office on Reagan St	Jun-15	D. Patz			Completed
A4	Katella/Cherry crosswalk on eastside of Katella	Jun-15	J. Mejia			Pending - Put on 7-yr CIP
A5	High School Traffic Study		D. Hunt		TC - April 2015	Submitted request to the district and was denied. No further action at this time.
A6	Extend signal time for cars crossing Katella @ Walnut/Wallingsford	Apr-June-15	Lindsey			Completed
A7	Repaint arrows at bus pad on Katella @ Walnut	Apr-15	J. Mejia			Completed
A8	3-way stop sign @ Cherry St & Catalina St	Jan-13	J. Wilhelm		TC - May 2015 CC - June 2015	Completed
A9	Consider options for widening Civic Center Dr	Jan-14	J. Mejia			No longer applies
A10	Upgrade forklift crossing on Catalina	Jan-16	J. Mejia	Completed		Completed
A11	remove parking spaces on s/s Catalina opposite - near the Los Alamitos Medical Center	Mar-16	J. Mejia	Possibly Council		Completed
A12	PT/P study to downgrade fully protected operation for Rossmore Way/Los Alamitos TS and Bradbury/Los Alamitos TS S/B and N/B directions	Jun-16	D. Emerson	Staff		Completed
A13	1. Los Alamitos Blvd @ Farquhar - safety light out 2. Los Alamitos Blvd @ Katella - safety light cycling 3. Los Alamitos Blvd @ Florista, safety light out 4. Los Alamitos Blvd @ Cerritos - Illuminated street name dark 5. Cerritos Ave @ Los Al High, ISNS is out 6. Cerritos Ave @ Humbolt, ISNS is out 7. Cerritos Ave @ Bloomfield, safety light out	7-Feb	J. Mejia	Staff		Completed
A14	Conduct Four-Way Stop Study at the intersection of Walnut and Catalina	Apr-17		Staff		Completed
A15	Los Alamitos Blvd @ Orangewood Safety Light Out	Mar-08	Hill	Staff		Completed
A16	Safety light out at the intersection of Humbolt Street and Cerritos Ave.	May-17	Chair Patz	Staff		Completed
A17	Bloomfield speed sign is not working	Apr-17		Staff		Completed
A18	School Traffic Study for New Commissioners	Apr-17		Staff		Completed
A19	Traffic Signal @ Wallingsford and Katella	May-17	Resident	Staff		Completed
A20	Parking Revision 10732 Los Alamitos Boulevard in Front of McNally Back to 24 Min. Zone.	Feb. 7	Commission	Council		Completed

TRAFFIC COMMISSION STATUS LOG

ITEM	DESCRIPTION	DATE INITIATED	REQUESTED BY	COUNCIL OR STAFF	TAKEN TO	REMARKS
A21	Real Estate Sign limiting visibility at the intersection of Florista and Pine	Apr-17	Commission			Completed
A22	requesting the installation of a u-turn sign and/or paint a red curb in the Woodcrest neighborhood - school traffic imposes safety concerns (Los Alamitos High School)	Oct-17	Residents: Carol Wall & Betty Binder	public		completed.
A23	installation of a right-turn only sign at the exit driveway off Farquhar, on the east side of Jack in the Box leaving Bank of America parking lot going onto Farquhar.	Nov-17	Resident: Art DeBolt	public		completed and removed.
A24	Florista Signal Timing	Jul-17	Commissioner Hill	Staff		completed.
A25	Traffic signal @Katella and Los Alamitos	Jul-17	P. Dykhouse	Staff		Completed
A26	Katella Avenue at Lexington Safety light is dark	Sept. 17	Commission	Staff		Completed
A27	Katella Avenue at Lexington Safety light is dark	Sept. 17	Commission	Staff		Completed
A28	Traffic signal indication at S/W corner missing	Sept. 17	Chair Patz	Staff		Completed
A29	Move or upgrade mid-block crosswalk on Cherry s/o Florista	Mar-16	J. Mejia & D. Patz	Possibly Council		Completed
RECOMMENDATION APPROVED & PENDING IMPLEMENTATION						
B1	installation of a crosswalk at the intersection of Green Avenue and Bloomfield Avenue	19-Jan	Resident:	Staff		pending - implementation
RECOMMENDATION DENIED						
C1	installation of northbound speed limit sign on Bloomfield	17-Nov	Resident: Art DeBolt	public		denied
C2	change the alley (between Farquhar Ave & Howard Ave) to be one-way only	17-Nov	Resident: Art DeBolt	public		denied
C3	Remove "Keep Clear" on Farquhar at Cherry	Mar-16	D. Emerson	Staff	CC - March 2017	Denied
ITEMS PENDING CONSIDERATION - TRAFFIC COMMISSION						
D1	Red Curb Request on 4021 Howard Avenue	May-17	Matthew Dastis	Staff		Item pending written request from Mr. Dastis. No written request yet.
ITEMS PENDING CONSIDERATION - CITY COUNCIL						
E1	Analysis of other intersections near all schools within City limits which might warrant the installation of a crosswalk	Jan-19	Traffic Commission	Staff		pending
E2	Request for the installation of equipment for the visually impaired on Florista Street and Los Alamitos Boulevard	Fall 2018	Resident	Staff		pending
TRAFFIC COMMISSION INITIATED ITEMS - ENGINEERING						
F1	Modify pedestrian signal/sign for NB right turns - East leg Bloomfield & Katella	Jan-14	J. Wilhelm	Staff		Denied

TRAFFIC COMMISSION STATUS LOG

ITEM	DESCRIPTION	DATE INITIATED	REQUESTED BY	COUNCIL OR STAFF	TAKEN TO	REMARKS
F2	Address sight distance for driveways on S/S Katella - Reagan to Cherry	Mar-16	J. Wilhelm	Possibly Council		Under observation. No further action required at this time
F3	Bring the traffic study for Shea Properties Arrowhead to Commission	Mar-16	J. Mejia	Staff		Waiting for study to be submitted
F4	Remove school signs for Laurel HS, which is closed	Nov-15	D. Patz	Staff		Denied per schools request
F5	Remove "Keep Clear" on Farquhar at Cherry	Mar-16	D. Emerson	Staff		Denied
F6	Street name signs at Los Alamitos Bl/Florista-paint/vinyl peeling off	Jan-16	J. Seaman	Staff		Currently in progress
F7	Replace speed bumps in alley - poor condition	Jan-16	J. Mejia	Staff		Repairs in progress
F8	Vehicles in N/bound left turn lanes on Los Alamitos at Katella back up into thru lane	Jan-16	D. Emerson	Council		Reviewing - Would likely require capital improvements
F9	Add red curb for sight distance on Katella for n/bound Bloomfield	Mar-16	D. Emerson	Possibly Council		No further action required at this time
F10	Scramble Timing at the intersection of Cerritos and Katella	Apr-17		Staff		Will be evaluated after School Traffic Study Review
F11	five (5) traffic signs on the south side of Katella Avenue, between the 605 freeway and Wallingsford are starting to lean toward the street.	Feb-19	E. Singer	Staff	Public Works	pending completion
F12	parkway trees are blocking the effectiveness of the street lights, on the east side of Los Alamitos Boulevard, between the car wash and Bradbury Road.	Feb-19	E. Singer	Staff	Public Works	Completed
F13	alley, south of Katella from Lexington heading west: overgrown vegetation at the rear of the private properties	19-Feb	E Singer	staff	Code Enforcement	pending completion
F14	request to adjust the new median lights on Los Alamitos Boulevard, so that the lights are triggered to turn on and off by the sensor and not the timer.	Feb-19	D. Patz	Staff	Public Works	pending completion
F15	repair of two speeds bumps in the alley between Lexington Drive and Noel Street, and between Katella Avenue and Green Avenue.	Mar-19	J. Mejia	Staff	Public Works	Repairs last done in October 2019