



PUBLIC WORKS
TRANSPORTATION

809 Center Street, Room 201
Santa Cruz, CA 95060
831 420-5160

October 9, 2025

Bernie Escalante
Chief of Police
Santa Cruz Police Department
155 Center Street
Santa Cruz, CA 95060

Dear Chief Escalante:

The 2018 Engineering and Traffic Survey (E&TS) satisfies the requirements for an **EXTENSION TO 14-YEARS**. Transportation Manager Matthew Starkey P.E. has evaluated all impacted roadways and determined that there have been no significant changes in roadway or traffic conditions since the 2018 E&TS. Thus, consistent with California Vehicle Code (CVC) and the California Manual for Setting Speed Limits¹, **the 2018 E&TS is hereby in effect until October 2032**, or until modified by the Public Works Department.

The 2018 E&TS, marked with "EXTEND TO 14 YEARS", is attached for your records. If you have any questions about the speed zones please contact Matthew Starkey, Transportation Manager.

Sincerely,



Nathan Nguyen, P.E.
Director of Public Works



Matthew Starkey, P.E.
Transportation Manager

Attached: 2018 E&TS marked "EXTEND TO 14 YEARS", including Ordinance 2018-14 and Reso. NS-29,452

¹ See California Manual for Setting Speed Limits, p. 41 (2025), available <https://dot.ca.gov/programs/safety-programs/setting-speed-limits>, last accessed 10/9/2025, "For highways under local jurisdiction, an E&TS Extension Package shall include . . . [a] letter to local law enforcement stating the intention to extend the original E&TS".

ENGINEERING & TRAFFIC SURVEY

2018



October 2018

EXTEND TO 14 YEARS

2032

This is to certify that this ordinance is a true and correct copy of Ordinance No. 2018-14 passed and adopted by the City Council on October 23, 2018
3/25/19 Donna Bush
Date City Clerk Administrator

ORDINANCE NO. 2018-14

AN ORDINANCE OF THE CITY OF SANTA CRUZ
AMENDING CHAPTER 10.60.010 OF THE MUNICIPAL CODE REGARDING
INCREASE OF LOCAL LIMITS

BE IT ORDAINED, by the City of Santa Cruz that Section 10.60.010 to be amended as follows:

10.60.010 INCREASE OF LOCAL LIMITS.

It is hereby determined upon the basis of an engineering and traffic survey that the speed permitted by state law upon the following streets is less than is necessary for safe operation of vehicles thereon and it is hereby declared that the prima facie speed limit shall be as hereinafter set forth on those streets or parts of streets herein designated when signs are erected giving notice thereof:

Street Name	Street Limits	Speed Limit (MPH)
Bay Street	California Ave. & West Cliff Dr.	30
Bay Drive	Escalona Dr. & High St.	30
N. Branciforte Ave.	Water St. & Fairmount Ave.	30
Delaware Ave.	Swift St. & Shaffer Rd.	30
Graham Hill Rd.	Ocean St. & City Limit	30
High St.	Bay Dr. & City Limit	30
High St.	Bay Dr. & Laurent St.	30
High St.	Storey St. & Laurent St.	30
Market St.	Avalon St. & Curtis St.	30
Morrissey Blvd.	Water St. & Fairmount Ave.	30
Morrissey Blvd.	Pacheco Ave. & Prospect Hts.	30
Natural Bridges Blvd.	Mission St. & Delaware Ave.	30
Ocean St.	Broadway & Water St.	30
Ocean St.	Plymouth St. & Water St.	30
Ocean St.	Hwy 1 & Graham Hill Rd.	30
Water St.	Ocean St. & River St.	30
Water St.	Ocean St. & N. Branciforte Ave.	30
Western Dr.	Meder St. & High St.	30

(Ord. 2012-07 § 1, 2012; Ord. 2011-11 § 1, 2011; Ord. 2005-31 § 1, 2005; Ord. 2003-18 § 1, 2003; Ord. 86-21 § 1 (part), 1986).

RESOLUTION NO. NS-29,452

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CRUZ CERTIFYING THE 2018 ENGINEERING AND TRAFFIC SURVEY FOR RADAR ENFORCEMENT ON CERTAIN STREETS AND RESCINDING RESOLUTION NS-28,419

WHEREAS, The City of Santa Cruz in accordance with the California Vehicle Code, has prepared an Engineering and Traffic Survey 2018 to be used for the enforcement of prima facie speeds on the following streets, by the use of radar or other electronic devices:

Street Name	Street Limits	Speed Limit
3rd St.	Beach St. - Riverside Ave.	25
Almar Av.	Mission St. - City Limits	25
Barson St.	Riverside Ave. - Ocean St.	25
Bay St.	California St. - West Cliff Dr.	30
Bay St.	Mission St. - California St.	25
Bay St.	Escalona Dr. - Mission St.	25
Bay Drive	Escalona Dr. - High St.	30
Beach St.	W Cliff Dr. - 3rd St.	25
N Branciforte Ave.	Water St. - Soquel Ave.	25
N. Branciforte	Water St. - Fairmount	30
N. Branciforte	Fairmount - Camille Ln.	25
S Branciforte Ave.	Soquel Ave. - Broadway	25
Broadway	Ocean St. - Pine St.	25
Broadway	Pine St. - Frederick St.	25
Broadway	Ocean St. - San Lorenzo Bridge	25
California Av.	Bay & Errett Circle	25
California St.	Bay St. - Laurel St.	25
Carbonera Dr.	Isbel Dr. - El Rancho Dr.	25
Cayuga St.	Soquel Ave. - Broadway	25
Cayuga St.	Broadway - Hiawatha Ave.	25
Center St.	Mission St. - Pacific Ave.	25
Chestnut St.	Laurel St. - Mission St.	25
Chilverton St.	Branciforte Ave. - Morrissey	25
Coral St.	River St. - Evergreen St.	25
Delaware Av.	Swift St. - Shaffer Rd.	30
Delaware Av.	Swift St. - Woodrow Ave.	25
Delaware Av, Laguna	Woodrow Ave - Bay	25
East Cliff Dr/San Lorenzo Blvd	Broadway - Alhambra	25
Elk St.	Goss Ave. - Rooney St.	25
Emeline Av.	Sutphen - Grant St.	25

RESOLUTION NO. NS-29,452

Encinal St.	River St. - DuBois St.	25
Escalona Dr.	Grandview- Highland	25
Fair Av.	Delaware Ave. - West Cliff	25
Fair Av.	Delaware Ave - Mission St.	25
Fairmount Av.	N. Branciforte - Route 1 Ramp	25
Frederick St.	Broadway & south end	25
Frederick St.	Broadway & Soquel Ave.	25
Front St.	Pacific Ave. & Mission St.	25
Goss Ave.	N Branciforte Ave. & Elk St.	25
Graham Hill	Ocean St. & City Limit	30
Grandview St.	Arroyo Seco & Swift St.	25
Grant St.	Plymouth St. & Market St.	25
High St.	Bay Drive & City Limit	30
High St.	Bay Drive & Laurent St.	30
High St.	Storey St. & Laurent St.	30
High St.	Storey St. & Hwy 1	25
Highland Ave.	Spring St. & Mission St.	25
Isbel Dr.	Bartlett St. & Carbonera Dr.	25
Isbel Dr.	Bartlett Way & Market St.	25
King St.	Mission St. N & S Ends	25
La Fonda Av.	Oak Way & Soquel Ave.	25
La Fonda Av.	Oak Way & Prospect Heights	25
Laurel St.	Mission St. & King St.	25
Laurel St.	Mission St. & Center St.	25
Laurent St.	High St. & King St.	25
Lee St. /N. Plymouth	N Plymouth St. & Emeline Ave.	25
Lincoln St.	Walnut Ave. & Pacific Ave.	25
Market St.	Avalon Ave - Washburn	30
Market St.	Avalon Ave. & City Limit	25
Meder St.	Bay Dr. & Western Dr.	25
Morrissey Blvd	Water St. & Fairmount Ave.	30
Morrissey Blvd.	Water St. & Fairmount Ave.	30
Morrissey Blvd.	Pacheco Ave. & Prospect Heights	30
Municipal Wharf	Beach S. & End	15
Murray St.	East Cliff Dr - East City Limit	25
Natural Bridges Bl.	Mission St. & Delaware Ave.	30
Nobel Dr.	Meder St. & Bay St.	25
Ocean St.	Broadway - E. Cliff Dr.	25
Ocean St.	Broadway - Plymouth	30
Ocean St.	Felker - Graham Hill Rd.	30
Pacheco Ave.	Rooney St. & Prospect Heights	25

RESOLUTION NO. NS-29,452

Pacific Ave.	Beach St - Front St (at 555 Pacific)	25
Pelton Ave.	Woodrow Ave & National St.	25
Pelton Ave.	National St. & West Cliff Dr.	25
Pine St.	Soquel Ave. & Seabright Ave.	25
Poplar Ave.	Fairmount Ave & Water St.	25
Prospect Heights	Pacheco Ave. & La Fonda Ave.	25
River St.	Route 1 - Front St	25
Riverside Ave.	Campbell St. & Beach St.	25
Rooney St.	Gilbert Lane & Elk St.	25
Seabright Ave.	Water St. & Murray St.	25
Second St.	Riverside Ave. - Pacific	25
Soquel Ave	Ocean St. - Front St	25
Soquel Ave.	Ocean St. & Morrissey Blvd.	25
Soquel Ave.	Morrissey Blvd & east City Limit	25
Spring St.	High St. - North End	25
Stanford Ave.	Chilverton St. & Water St.	25
Swanton Blvd.	West Cliff Dr. & Delaware Ave.	25
Swift St.	Delaware Ave. & West Cliff Dr.	25
Swift St.	Grandview St. & Delaware Ave.	25
Sylvania St.	Encinal St. & Harvey West Blvd.	25
Walnut Ave.	King St. & Chestnut St.	25
Water St.	Ocean St. - Pacific	30
Water St.	Ocean - N. Branciforte	30
Water St.	N Branciforte Ave. - Poplar	25
West Cliff Dr.	Pelton Ave & Swanton Blvd.	25
West Cliff Dr.	Pacific Ave. & Pelton Ave.	25
Western Dr.	Meder St. & Mission St.	25
Western Dr.	Meder St. & High Street	30
Woodrow Ave.	Errett Circle & West Cliff Dr.	25
Younglove Ave.	Mission St. & Errett Circle	25

NOW THEREFORE BE IT RESOLVED by the City Council of the City of Santa Cruz that it hereby certifies the Engineering and Traffic Survey 2018 to be used for the enforcement of the prima facie speed of traffic on the designated streets with the use of radar or other electronic devise.

RESOLUTION NO. NS-29,452

PASSED AND ADOPTED this 9th day of October, 2018, by the following vote:

AYES: Councilmembers Krohn, Mathews, Brown, Noroyan; Vice Mayor Watkins;
Mayor Terrazas.

NOES: None.

ABSENT: Councilmember Chase.

DISQUALIFIED: None.

APPROVED:


David Terrazas, Mayor

ATTEST:


~~Bonnie Bush, City Clerk Administrator~~



**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: 3rd Street (northbound/westbound one-way street)

Limits: Beach St. to Riverside Ave.

City General Plan Roadway Classification: Arterial

Width: 33-feet narrowing to 23-feet

Critical Speed (85th percentile): 27mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2013 through 2017, 15 total, 2 injury

Adjacent Land Use: Commercial Parking Lots/ Residential

Speed reduction justification: Round to the nearest 5mph increment per CA MUTCD 2B-13 and CVC 21400 (b)

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____

Christophe Schneider

Title: City Engineer

Date: 10/19/18

Vehicle Speed Survey Sheet

DIRECTIONS

#102 3RD ST. (BEACH-

RIVERSIDE) NB

DATE

12/1/2017

TIME

11:08 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

22

85TH PERCENTILE SPEED

27

10 MPH PACE SPEED

18

PERCENT IN PACE SPEED

80.0%

TO 27

PERCENT OVER PACE SPEED

5.0%

PERCENT UNDER PACE SPEED

15.0%

RANGE OF SPEEDS

15

TO 32

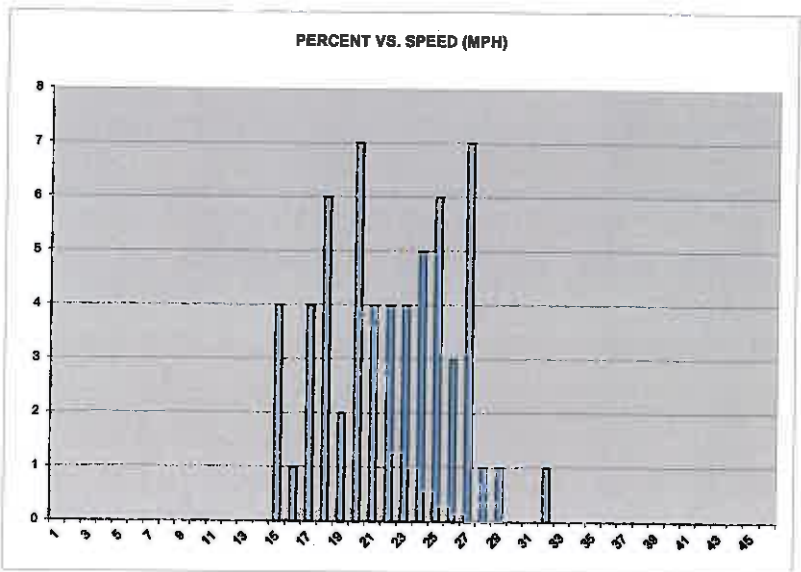
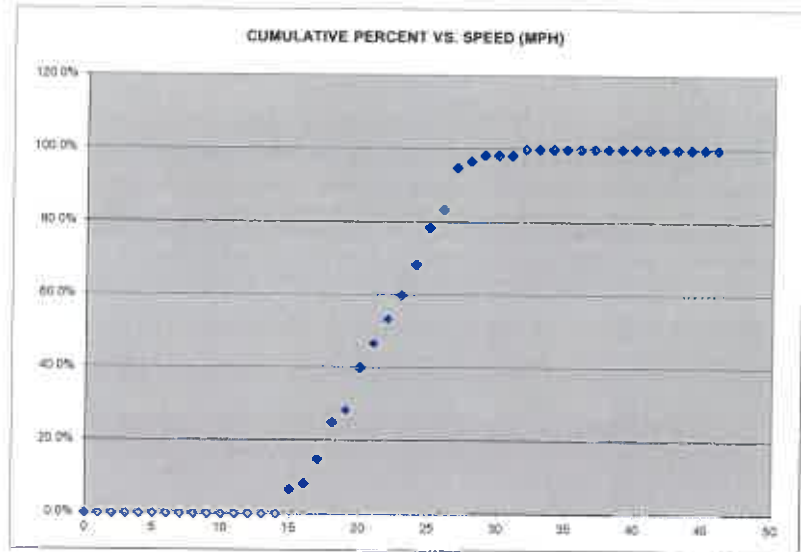
VEHICLES OBSERVED

60

AVERAGE SPEED

22.0

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	4	6.7%	6.7%
16	1	1.7%	8.3%
17	4	6.7%	15.0%
18	6	10.0%	25.0%
19	2	3.3%	28.3%
20	7	11.7%	40.0%
21	4	6.7%	46.7%
22	4	6.7%	53.3%
23	4	6.7%	60.0%
24	5	8.3%	68.3%
25	6	10.0%	78.3%
26	3	5.0%	83.3%
27	7	11.7%	95.0%
28	1	1.7%	96.7%
29	1	1.7%	98.3%
30	0	0.0%	98.3%
31	0	0.0%	98.3%
32	1	1.7%	100.0%
33	0	0.0%	100.0%
34	0	0.0%	100.0%
35	0	0.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Almar Ave.

Limits: Mission St. to West Cliff Dr.

City General Plan Roadway Classification: Collector

Width: 36-feet

Critical Speed (85th percentile): 29 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, none

Adjacent Land Use: Primarily residential, with one city park and one commercial block (shopping center).

Speed reduction justification: CA MUTCD 2B-13 option 2) The speed limit may be rounded down to the nearest 5 mph increment below the 85th percentile speed, if no further reduction is used. Refer to CVC 21400 (b).

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____

Christophe Schneider

Title: City Engineer

Date: _____

10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#1 ALMAR (MISSION-WEST

CLIFF) NB & SB

DATE

10/9/2015

TIME

11:05 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

25

85TH PERCENTILE SPEED

29

10 MPH PACE SPEED

20

TO 29

PERCENT IN PACE SPEED

85.0%

PERCENT OVER PACE SPEED

12.0%

PERCENT UNDER PACE SPEED

3.0%

RANGE OF SPEEDS

18

TO 38

VEHICLES OBSERVED

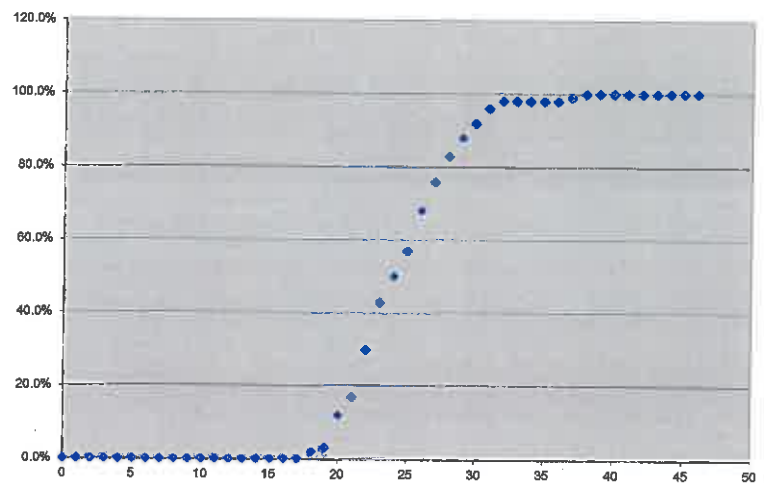
100

AVERAGE SPEED

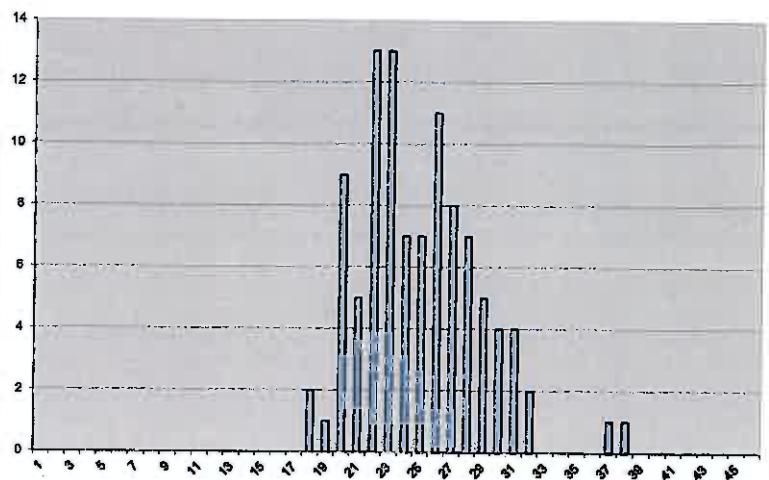
24.9

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	0	0.0%	0.0%
18	2	2.0%	2.0%
19	1	1.0%	3.0%
20	9	9.0%	12.0%
21	5	5.0%	17.0%
22	13	13.0%	30.0%
23	13	13.0%	43.0%
24	7	7.0%	50.0%
25	7	7.0%	57.0%
26	11	11.0%	68.0%
27	8	8.0%	76.0%
28	7	7.0%	83.0%
29	5	5.0%	88.0%
30	4	4.0%	92.0%
31	4	4.0%	96.0%
32	2	2.0%	98.0%
33	0	0.0%	98.0%
34	0	0.0%	98.0%
35	0	0.0%	98.0%
36	0	0.0%	98.0%
37	1	1.0%	99.0%
38	1	1.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Barson St. (westbound, one-way street)

Limits: Ocean St. to Riverside Ave.

City General Plan Roadway Classification: Arterial

Width: 36-feet

Critical Speed (85th percentile): 28 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2013 through 2017, 5 total, 0 injury

Adjacent Land Use: Mixed residential, motel, and business.

Speed reduction justification: CA MUTCD 2B-13 option 2) The speed limit may be rounded down to the nearest 5 mph increment below the 85th percentile speed, if no further reduction is used. Refer to CVC 21400 (b).

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____


Christophe Schneider

Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#105 BARSON ST. (RIVERSIDE-

OCEAN) WB

DATE

10/26/2017

TIME

9:40 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

22

85TH PERCENTILE SPEED

28

10 MPH PACE SPEED

15

TO 24

PERCENT IN PACE SPEED

78.3%

PERCENT OVER PACE SPEED

21.7%

PERCENT UNDER PACE SPEED

0.0%

RANGE OF SPEEDS

15

TO 39

VEHICLES OBSERVED

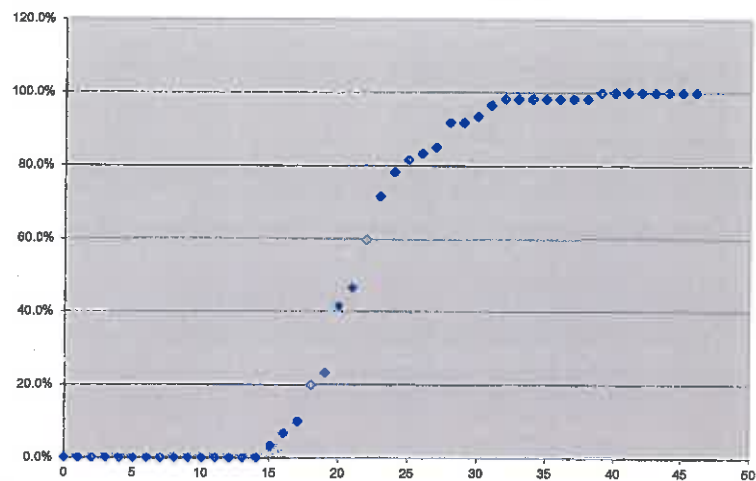
60

AVERAGE SPEED

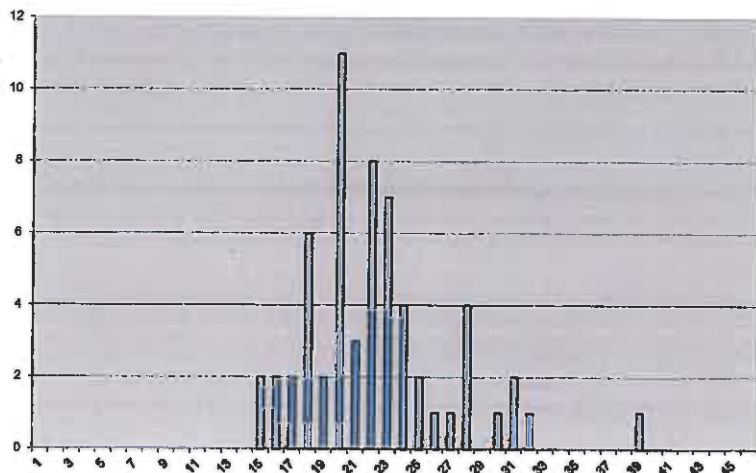
22.3

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	2	3.3%	3.3%
16	2	3.3%	6.7%
17	2	3.3%	10.0%
18	6	10.0%	20.0%
19	2	3.3%	23.3%
20	11	18.3%	41.7%
21	3	5.0%	46.7%
22	8	13.3%	60.0%
23	7	11.7%	71.7%
24	4	6.7%	78.3%
25	2	3.3%	81.7%
26	1	1.7%	83.3%
27	1	1.7%	85.0%
28	4	6.7%	91.7%
29	0	0.0%	91.7%
30	1	1.7%	93.3%
31	2	3.3%	96.7%
32	1	1.7%	98.3%
33	0	0.0%	98.3%
34	0	0.0%	98.3%
35	0	0.0%	98.3%
36	0	0.0%	98.3%
37	0	0.0%	98.3%
38	0	0.0%	98.3%
39	1	1.7%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Bay St.

Limits: California St to West Cliff Dr

City General Plan Roadway Classification: Arterial

Width: 40-feet

Critical Speed (85th percentile): 35 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 10 total, 1 injury

Adjacent Land Use: Primarily residential, with a large senior citizen apartment complex across from a city park.

Speed reduction justification: CA MUTCD 2B-13 Segment meets residential density requirement of CVC 627 for a 5 mph reduction.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **30 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____


Christophe Schneider

Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#2 BAY (CALIFORNIA-WEST

CLIFF) NB & SB

DATE

10/9/2015

TIME

11:51 AM

POSTED SPEED LIMIT

30

50TH PERCENTILE SPEED

31

85TH PERCENTILE SPEED

35

10 MPH PACE SPEED

26

TO 35

PERCENT IN PACE SPEED

84.0%

PERCENT OVER PACE SPEED

10.0%

PERCENT UNDER PACE SPEED

6.0%

RANGE OF SPEEDS

21

TO 46

VEHICLES OBSERVED

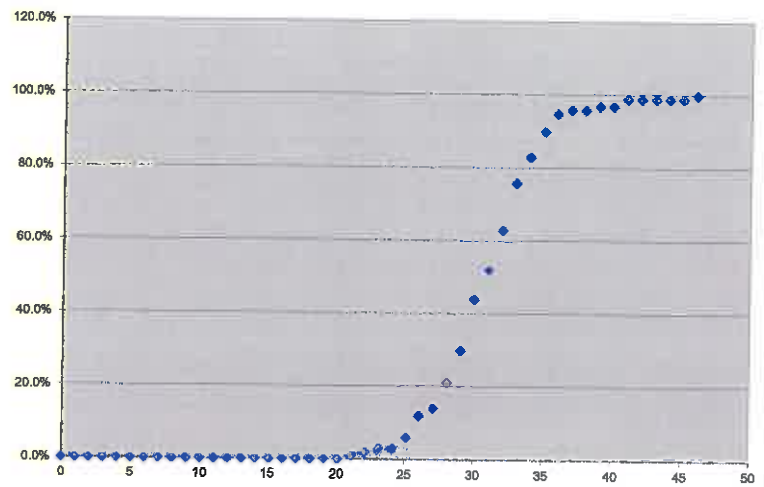
100

AVERAGE SPEED

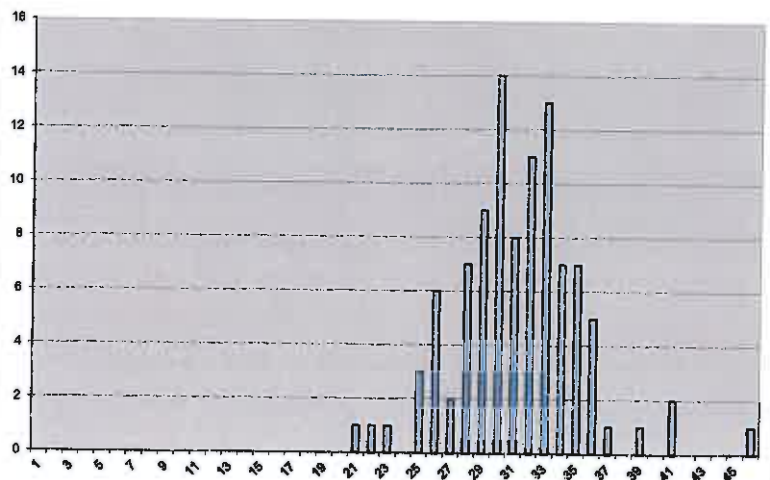
31.2

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	0	0.0%	0.0%
18	0	0.0%	0.0%
19	0	0.0%	0.0%
20	0	0.0%	0.0%
21	1	1.0%	1.0%
22	1	1.0%	2.0%
23	1	1.0%	3.0%
24	0	0.0%	3.0%
25	3	3.0%	6.0%
26	6	6.0%	12.0%
27	2	2.0%	14.0%
28	7	7.0%	21.0%
29	9	9.0%	30.0%
30	14	14.0%	44.0%
31	8	8.0%	52.0%
32	11	11.0%	63.0%
33	13	13.0%	76.0%
34	7	7.0%	83.0%
35	7	7.0%	90.0%
36	5	5.0%	95.0%
37	1	1.0%	96.0%
38	0	0.0%	96.0%
39	1	1.0%	97.0%
40	0	0.0%	97.0%
41	2	2.0%	99.0%
42	0	0.0%	99.0%
43	0	0.0%	99.0%
44	0	0.0%	99.0%
45	0	0.0%	99.0%
46	1	1.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Bay St.

Limits: California St. to Mission St. (Hwy 1)

City General Plan Roadway Classification: Arterial

Width: 38-feet

Critical Speed (85th percentile): 30 mph

Unusual Conditions/Allowable Considerations per CVC:

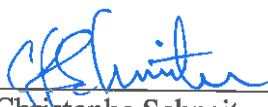
Reported Collisions: 2010 through 2015, 10 total, 1 injury

Adjacent Land Use: Primarily residential, with Bayview Elementary School serving the neighborhoods on both sides of Bay St

Speed reduction justification: CA MUTCD 2B-13 Segment meets residential density requirement of CVC 627 for a 5 mph reduction.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____


Christophe Schneider

Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#3 BAY (MISSION-CALIFORNIA) NB & SB

DATE

12/6/2017

TIME

12:30 PM

POSTED SPEED LIMIT

30

50TH PERCENTILE SPEED

27

85TH PERCENTILE SPEED

30

10 MPH PACE SPEED

23

TO 32

PERCENT IN PACE SPEED

90.8%

PERCENT OVER PACE SPEED

0.0%

PERCENT UNDER PACE SPEED

9.2%

RANGE OF SPEEDS

20

TO 32

VEHICLES OBSERVED

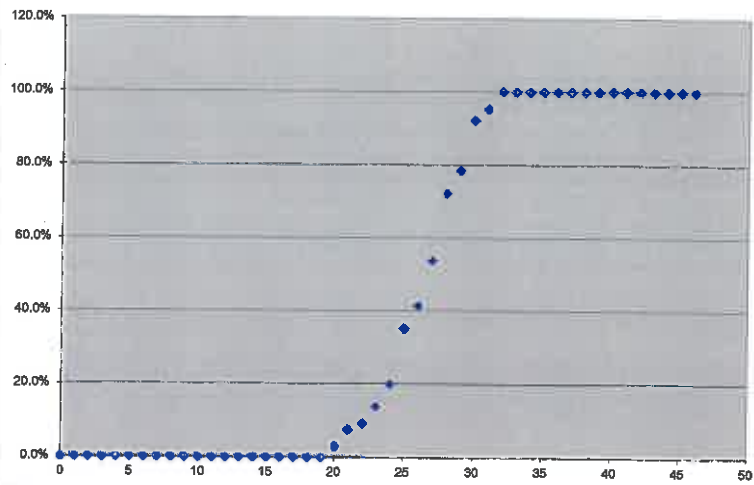
65

AVERAGE SPEED

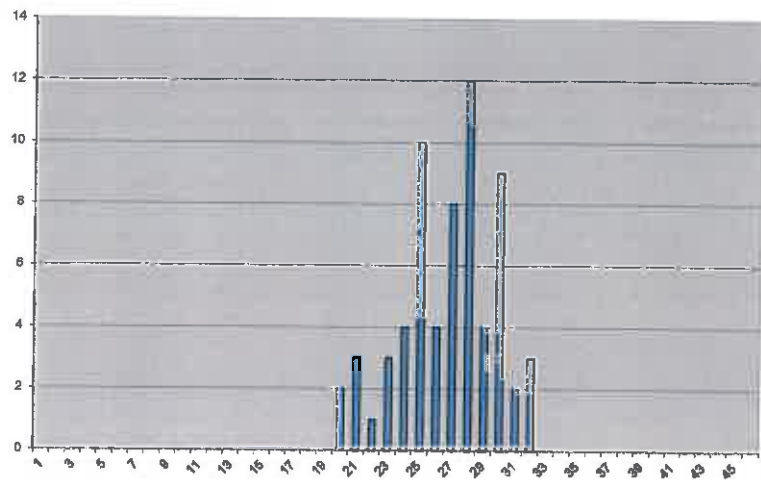
26.8

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	0	0.0%	0.0%
18	0	0.0%	0.0%
19	0	0.0%	0.0%
20	2	3.1%	3.1%
21	3	4.6%	7.7%
22	1	1.5%	9.2%
23	3	4.6%	13.8%
24	4	6.2%	20.0%
25	10	15.4%	35.4%
26	4	6.2%	41.5%
27	8	12.3%	53.8%
28	12	18.5%	72.3%
29	4	6.2%	78.5%
30	9	13.8%	92.3%
31	2	3.1%	95.4%
32	3	4.6%	100.0%
33	0	0.0%	100.0%
34	0	0.0%	100.0%
35	0	0.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Bay St.

Limits: Escalona Dr. to Mission St. (Hwy 1)

City General Plan Roadway Classification: Arterial

Width: 38-feet

Critical Speed (85th percentile): 30 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 22 total, 1 injury

Adjacent Land Use: Primarily residential

Speed reduction justification: CA MUTCD 2B-13 Segment meets residential density requirement of CVC 627 for a 5 mph reduction.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____


Christophe Schneider

Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#4 BAY (ESCALONA-MISSION)

NB & SB

DATE

10/14/2015

TIME

9:16 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

25

85TH PERCENTILE SPEED

30

10 MPH PACE SPEED

20

TO 29

PERCENT IN PACE SPEED

77.5%

PERCENT OVER PACE SPEED

16.7%

PERCENT UNDER PACE SPEED

5.9%

RANGE OF SPEEDS

17

TO 37

VEHICLES OBSERVED

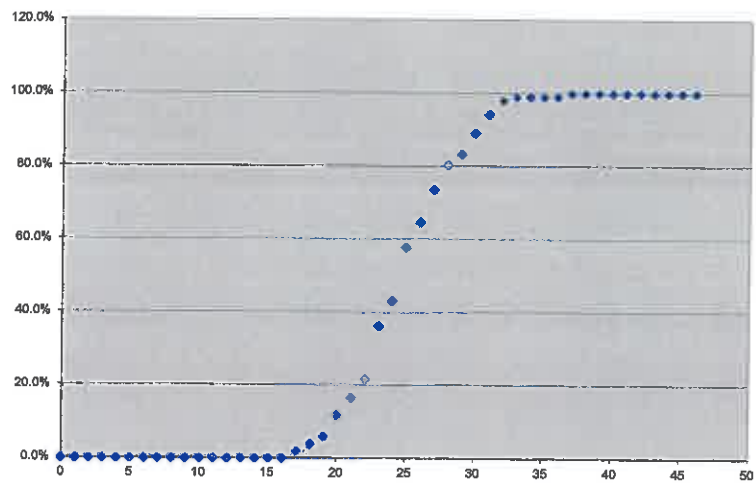
102

AVERAGE SPEED

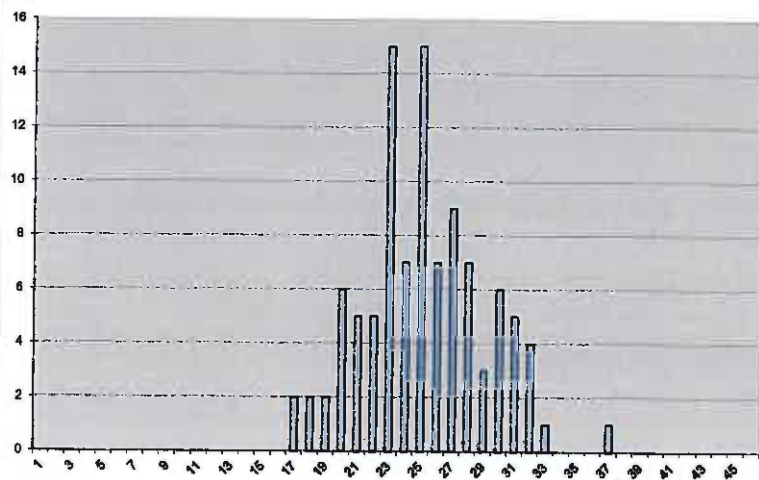
25.2

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	2	2.0%	2.0%
18	2	2.0%	3.9%
19	2	2.0%	5.9%
20	6	5.9%	11.8%
21	5	4.9%	16.7%
22	5	4.9%	21.6%
23	15	14.7%	36.3%
24	7	6.9%	43.1%
25	15	14.7%	57.8%
26	7	6.9%	64.7%
27	9	8.8%	73.5%
28	7	6.9%	80.4%
29	3	2.9%	83.3%
30	6	5.9%	89.2%
31	5	4.9%	94.1%
32	4	3.9%	98.0%
33	1	1.0%	99.0%
34	0	0.0%	99.0%
35	0	0.0%	99.0%
36	0	0.0%	99.0%
37	1	1.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Bay Dr.

Limits: Escalona Dr. to High St.

City General Plan Roadway Classification: Arterial

Width: 36-feet each direction

Critical Speed (85th percentile): NB - 29 mph / SB - 29 mph

Unusual Conditions/Allowable Considerations per CVC:

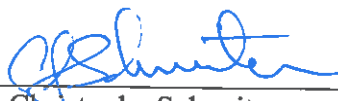
Reported Collisions: 2010 through 2015, 17 total, 12 injury

Adjacent Land Use: Primarily residential

Speed reduction justification: None required

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **30 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____


Christophe Schneider

Title: City Engineer

Date: _____

10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#5-A BAY (ESCALONA-HIGH)

NB

DATE

10/12/2016

TIME

9:00 AM

POSTED SPEED LIMIT

30

50TH PERCENTILE SPEED

21

85TH PERCENTILE SPEED

29

10 MPH PACE SPEED

17

TO 26

PERCENT IN PACE SPEED

76.7%

PERCENT OVER PACE SPEED

20.0%

PERCENT UNDER PACE SPEED

3.3%

RANGE OF SPEEDS

16

TO 37

VEHICLES OBSERVED

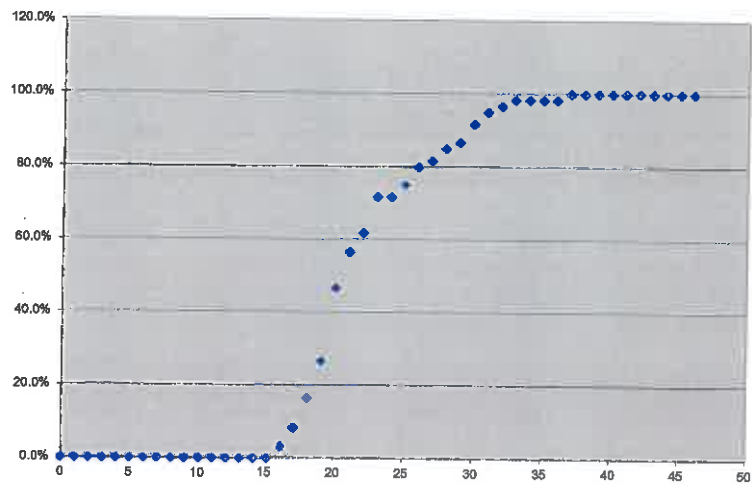
60

AVERAGE SPEED

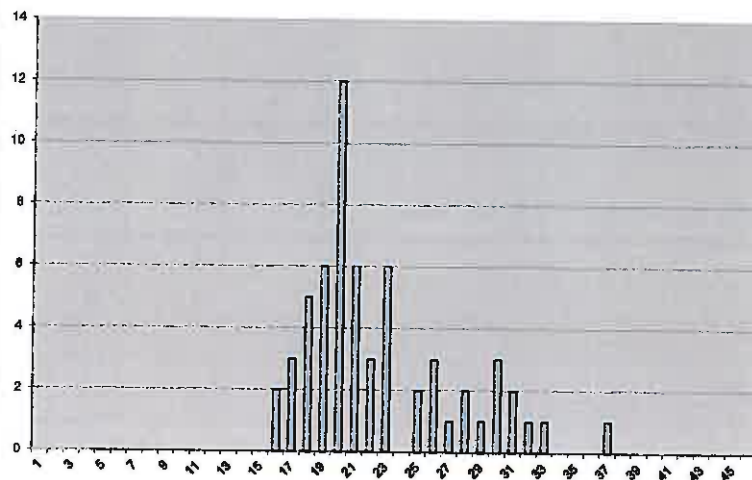
22.5

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	2	3.3%	3.3%
17	3	5.0%	8.3%
18	5	8.3%	16.7%
19	6	10.0%	26.7%
20	12	20.0%	46.7%
21	6	10.0%	56.7%
22	3	5.0%	61.7%
23	6	10.0%	71.7%
24	0	0.0%	71.7%
25	2	3.3%	75.0%
26	3	5.0%	80.0%
27	1	1.7%	81.7%
28	2	3.3%	85.0%
29	1	1.7%	86.7%
30	3	5.0%	91.7%
31	2	3.3%	95.0%
32	1	1.7%	96.7%
33	1	1.7%	98.3%
34	0	0.0%	98.3%
35	0	0.0%	98.3%
36	0	0.0%	98.3%
37	1	1.7%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)



Vehicle Speed Survey Sheet

DIRECTIONS

#5-B BAY (ESCALONA-BAY)

SB

DATE

10/12/2016

TIME

10:19 AM

POSTED SPEED LIMIT

30

50TH PERCENTILE SPEED

23

85TH PERCENTILE SPEED

29

10 MPH PACE SPEED

18

TO 27

PERCENT IN PACE SPEED

80.0%

PERCENT OVER PACE SPEED

18.3%

PERCENT UNDER PACE SPEED

1.7%

RANGE OF SPEEDS

17

TO 33

VEHICLES OBSERVED

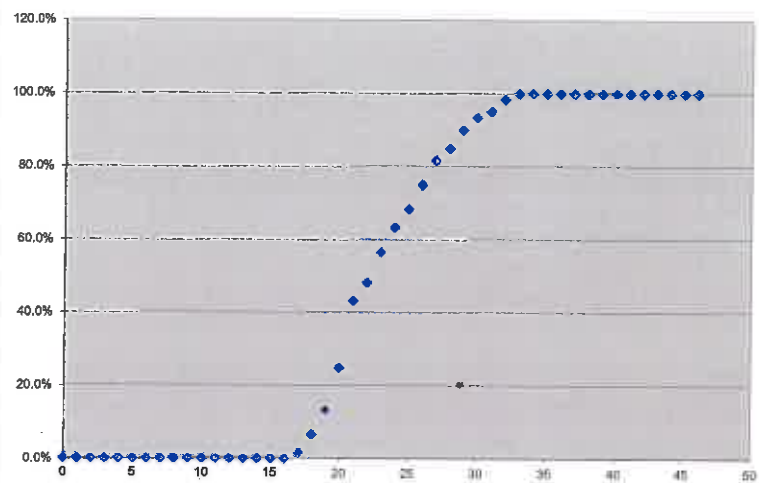
60

AVERAGE SPEED

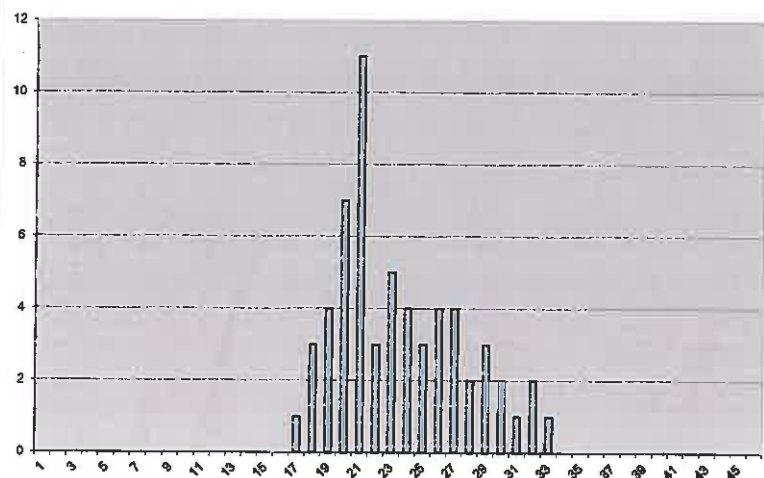
23.6

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	1	1.7%	1.7%
18	3	5.0%	6.7%
19	4	6.7%	13.3%
20	7	11.7%	25.0%
21	11	18.3%	43.3%
22	3	5.0%	48.3%
23	5	8.3%	56.7%
24	4	6.7%	63.3%
25	3	5.0%	68.3%
26	4	6.7%	75.0%
27	4	6.7%	81.7%
28	2	3.3%	85.0%
29	3	5.0%	90.0%
30	2	3.3%	93.3%
31	1	1.7%	95.0%
32	2	3.3%	98.3%
33	1	1.7%	100.0%
34	0	0.0%	100.0%
35	0	0.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Beach St.

Limits: West Cliff Dr. to 3rd St.

City General Plan Roadway Classification: Arterial

Width: Varies 40 – 50 feet, 1 block at 60 feet with median

Critical Speed (85th percentile): 22 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2013 through 2017, 15 total, 2 injury

Adjacent Land Use: Business

Speed reduction justification: None required

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____


Christophe Schneider

Title: City Engineer

Date: _____

10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#107 BEACH ST. (WEST CLIFF-

THIRD) EB

DATE

10/26/2017

TIME

11:01 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

18

85TH PERCENTILE SPEED

22

10 MPH PACE SPEED

15

TO 24

PERCENT IN PACE SPEED

96.7%

PERCENT OVER PACE SPEED

3.3%

PERCENT UNDER PACE SPEED

0.0%

RANGE OF SPEEDS

15

TO 28

VEHICLES OBSERVED

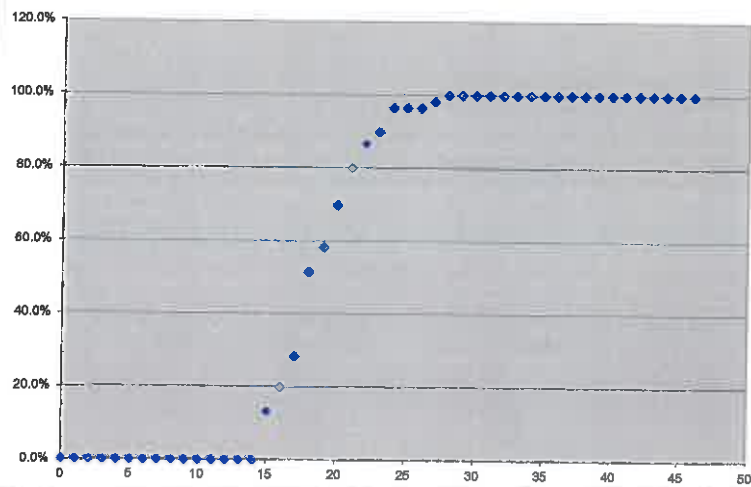
60

AVERAGE SPEED

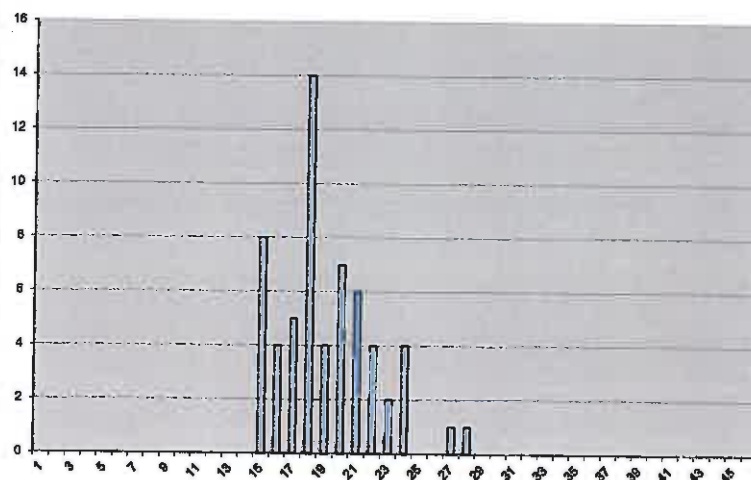
19.1

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	8	13.3%	13.3%
16	4	6.7%	20.0%
17	5	8.3%	28.3%
18	14	23.3%	51.7%
19	4	6.7%	58.3%
20	7	11.7%	70.0%
21	6	10.0%	80.0%
22	4	6.7%	86.7%
23	2	3.3%	90.0%
24	4	6.7%	96.7%
25	0	0.0%	96.7%
26	0	0.0%	96.7%
27	1	1.7%	98.3%
28	1	1.7%	100.0%
29	0	0.0%	100.0%
30	0	0.0%	100.0%
31	0	0.0%	100.0%
32	0	0.0%	100.0%
33	0	0.0%	100.0%
34	0	0.0%	100.0%
35	0	0.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: N. Branciforte Ave.

Limits: Water St. to Soquel Ave.

City General Plan Roadway Classification: Collector

Width: 60-feet

Critical Speed (85th percentile): 32 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 1 total, 0 injury

Adjacent Land Use: Primarily residential

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph increment and segment meets residential density requirement of CVC 627 for a 5 mph reduction.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____


Christophe Schneider

Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#142b N. BRANCIFORTE AV.

(WATER-SOQUEL) NB & SB

DATE

11/6/2017

TIME

10:45 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

28

85TH PERCENTILE SPEED

32

10 MPH PACE SPEED

23

TO 32

PERCENT IN PACE SPEED

85.0%

PERCENT OVER PACE SPEED

8.3%

PERCENT UNDER PACE SPEED

6.7%

RANGE OF SPEEDS

20

TO 38

VEHICLES OBSERVED

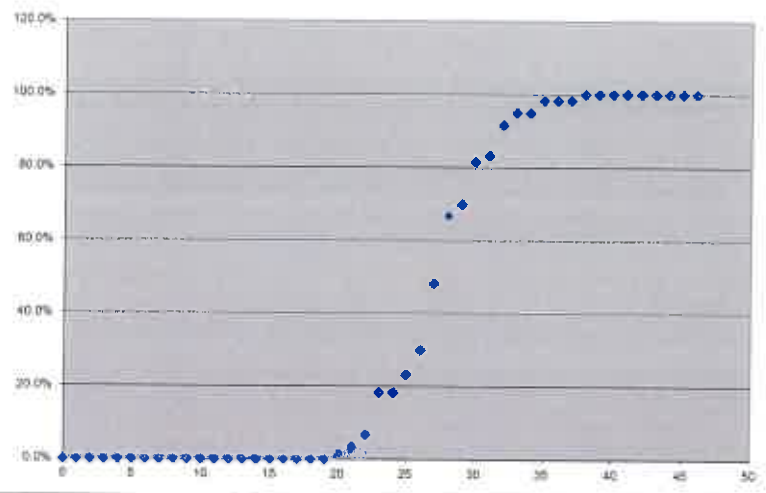
60

AVERAGE SPEED

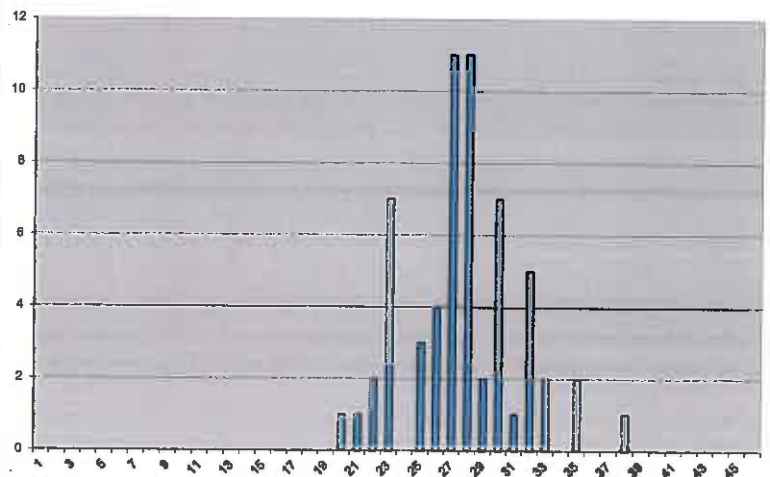
27.7

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	0	0.0%	0.0%
18	0	0.0%	0.0%
19	0	0.0%	0.0%
20	1	1.7%	1.7%
21	1	1.7%	3.3%
22	2	3.3%	6.7%
23	7	11.7%	18.3%
24	0	0.0%	18.3%
25	3	5.0%	23.3%
26	4	6.7%	30.0%
27	11	18.3%	48.3%
28	11	18.3%	66.7%
29	2	3.3%	70.0%
30	7	11.7%	81.7%
31	1	1.7%	83.3%
32	5	8.3%	91.7%
33	2	3.3%	95.0%
34	0	0.0%	95.0%
35	2	3.3%	98.3%
36	0	0.0%	98.3%
37	0	0.0%	98.3%
38	1	1.7%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: N. Branciforte Ave.

Limits: Water St. to Fairmount Ave.

City General Plan Roadway Classification: Collector

Width: 44-feet

Critical Speed (85th percentile): 34 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 1 total, 1 injury

Adjacent Land Use: Primarily residential

Speed reduction justification: CA MUTCD 2B-13 option 2) The speed limit may be rounded down to the nearest 5 mph increment below the 85th percentile speed, if no further reduction is used. Refer to CVC 21400 (b).

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **30 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____

Christophe Schneider

Title: City Engineer

Date: _____

10/9/13

Vehicle Speed Survey Sheet

DIRECTIONS

#6 N. BRANCIFORTE (WATER-
FAIRMOUNT) NB & SB

DATE

10/14/2015

TIME

11:35 AM

POSTED SPEED LIMIT

30

50TH PERCENTILE SPEED

30

85TH PERCENTILE SPEED

34

10 MPH PACE SPEED

26

TO 35

PERCENT IN PACE SPEED

84.0%

PERCENT OVER PACE SPEED

3.0%

PERCENT UNDER PACE SPEED

13.0%

RANGE OF SPEEDS

18

TO 46

VEHICLES OBSERVED

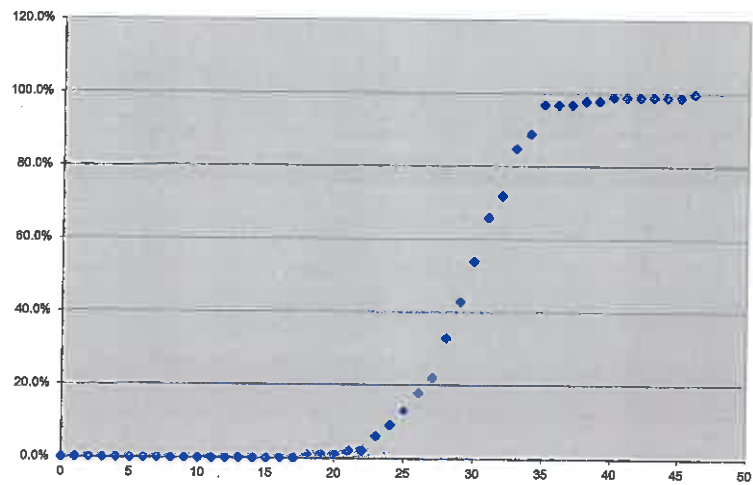
100

AVERAGE SPEED

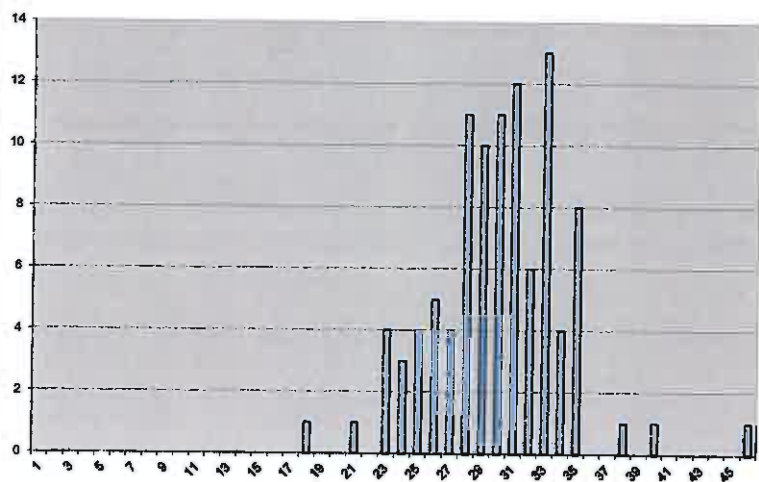
30.0

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	0	0.0%	0.0%
18	1	1.0%	1.0%
19	0	0.0%	1.0%
20	0	0.0%	1.0%
21	1	1.0%	2.0%
22	0	0.0%	2.0%
23	4	4.0%	6.0%
24	3	3.0%	9.0%
25	4	4.0%	13.0%
26	5	5.0%	18.0%
27	4	4.0%	22.0%
28	11	11.0%	33.0%
29	10	10.0%	43.0%
30	11	11.0%	54.0%
31	12	12.0%	66.0%
32	6	6.0%	72.0%
33	13	13.0%	85.0%
34	4	4.0%	89.0%
35	8	8.0%	97.0%
36	0	0.0%	97.0%
37	0	0.0%	97.0%
38	1	1.0%	98.0%
39	0	0.0%	98.0%
40	1	1.0%	99.0%
41	0	0.0%	99.0%
42	0	0.0%	99.0%
43	0	0.0%	99.0%
44	0	0.0%	99.0%
45	0	0.0%	99.0%
46	1	1.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: N. Branciforte Ave.

Limits: Fairmount Ave. to Camille Ln.

City General Plan Roadway Classification: Collector

Width: 40-feet

Critical Speed (85th percentile): 32 mph

Unusual Conditions/Allowable Considerations per CVC:

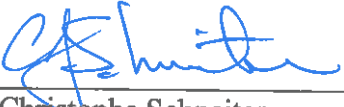
Reported Collisions: 2010 through 2015, 1 total, 0 injury

Adjacent Land Use: Primarily residential

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph increment and segment meets residential density requirement of CVC 627 for a 5 mph reduction.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____


Christophe Schneider

Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#142b N. BRANCIFORTE AV.

(Fairmount to Camille) NB & SB

DATE

11/6/2017

TIME

10:45 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

28

85TH PERCENTILE SPEED

32

10 MPH PACE SPEED

23

TO 32

PERCENT IN PACE SPEED

85.0%

PERCENT OVER PACE SPEED

8.3%

PERCENT UNDER PACE SPEED

6.7%

RANGE OF SPEEDS

20

TO 38

VEHICLES OBSERVED

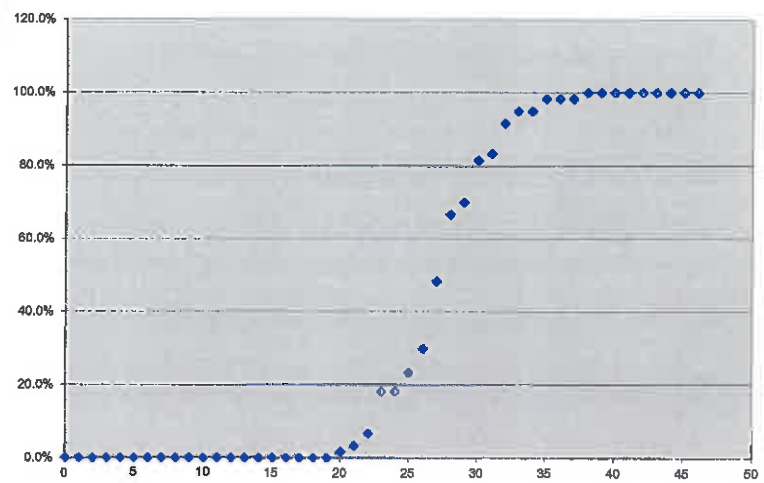
60

AVERAGE SPEED

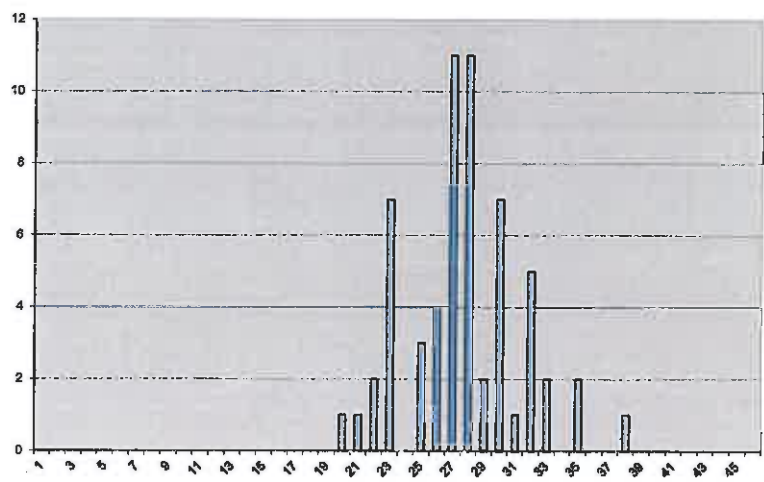
27.7

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	0	0.0%	0.0%
18	0	0.0%	0.0%
19	0	0.0%	0.0%
20	1	1.7%	1.7%
21	1	1.7%	3.3%
22	2	3.3%	6.7%
23	7	11.7%	18.3%
24	0	0.0%	18.3%
25	3	5.0%	23.3%
26	4	6.7%	30.0%
27	11	18.3%	48.3%
28	11	18.3%	66.7%
29	2	3.3%	70.0%
30	7	11.7%	81.7%
31	1	1.7%	83.3%
32	5	8.3%	91.7%
33	2	3.3%	95.0%
34	0	0.0%	95.0%
35	2	3.3%	98.3%
36	0	0.0%	98.3%
37	0	0.0%	98.3%
38	1	1.7%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: S. Branciforte Ave.

Limits: Broadway to Soquel Ave.

City General Plan Roadway Classification: Collector

Width: 47-feet

Critical Speed (85th percentile): 27 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2013 through 2017, 13 total, 6 injury

Adjacent Land Use: Primarily residential

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph increment.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____

Christophe Schneider

Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#155 S. BRANCIFORTE
(SOQUEL-BROADWAY) NB &
SB

DATE

11/30/2017

TIME

2:55 PM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

24

85TH PERCENTILE SPEED

27

10 MPH PACE SPEED

18

TO 27

PERCENT IN PACE SPEED

80.0%

PERCENT OVER PACE SPEED

13.3%

PERCENT UNDER PACE SPEED

6.7%

RANGE OF SPEEDS

15

TO 40

VEHICLES OBSERVED

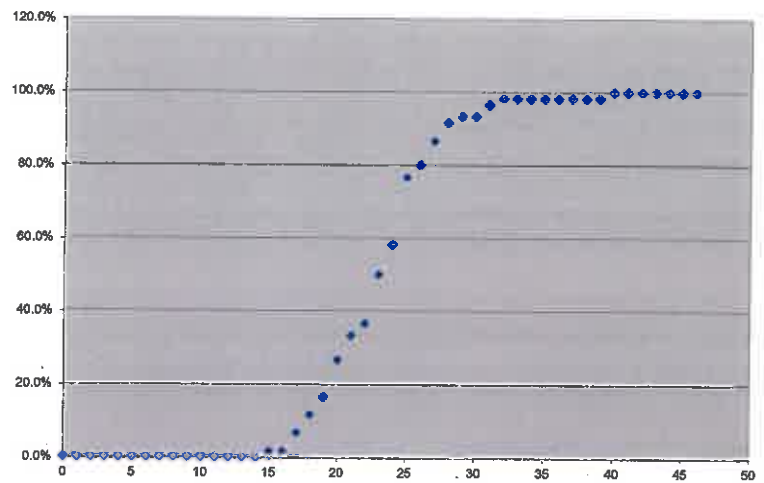
60

AVERAGE SPEED

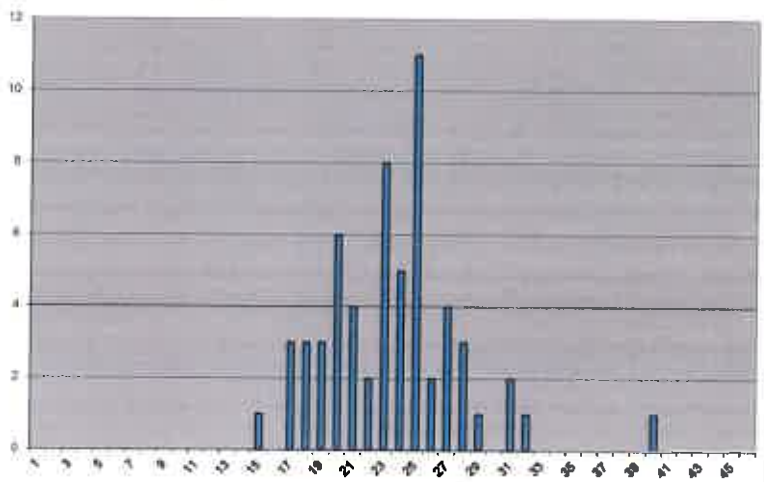
23.5

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	1	1.7%	1.7%
16	0	0.0%	1.7%
17	3	5.0%	6.7%
18	3	5.0%	11.7%
19	3	5.0%	16.7%
20	6	10.0%	26.7%
21	4	6.7%	33.3%
22	2	3.3%	36.7%
23	8	13.3%	50.0%
24	5	8.3%	58.3%
25	11	18.3%	76.7%
26	2	3.3%	80.0%
27	4	6.7%	86.7%
28	3	5.0%	91.7%
29	1	1.7%	93.3%
30	0	0.0%	93.3%
31	2	3.3%	96.7%
32	1	1.7%	98.3%
33	0	0.0%	98.3%
34	0	0.0%	98.3%
35	0	0.0%	98.3%
36	0	0.0%	98.3%
37	0	0.0%	98.3%
38	0	0.0%	98.3%
39	0	0.0%	98.3%
40	1	1.7%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Broadway

Limits: Ocean St. to Pine St.

City General Plan Roadway Classification: Arterial

Width: 40-feet

Critical Speed (85th percentile): 29 mph

Unusual Conditions/Allowable Considerations per CVC:

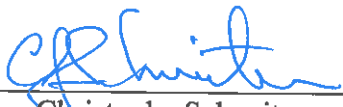
Reported Collisions: 2010 through 2015, 16 total, 11 injury

Adjacent Land Use: Primarily residential

Speed reduction justification: CA MUTCD 2B-13 option 2) The speed limit may be rounded down to the nearest 5 mph increment below the 85th percentile speed, if no further reduction is used. Refer to CVC 21400 (b).

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____


Christophe Schneider

Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#7 BROADWAY (OCEAN -

PINE) EB & WB

DATE

11/16/2015

TIME

10:30 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

25

85TH PERCENTILE SPEED

29

10 MPH PACE SPEED

22

TO 31

PERCENT IN PACE SPEED

90.0%

PERCENT OVER PACE SPEED

4.0%

PERCENT UNDER PACE SPEED

6.0%

RANGE OF SPEEDS

18

TO 35

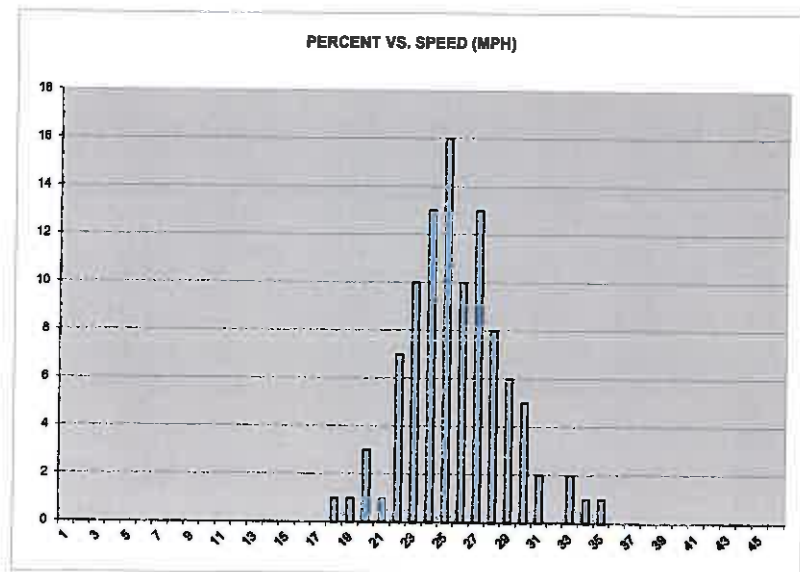
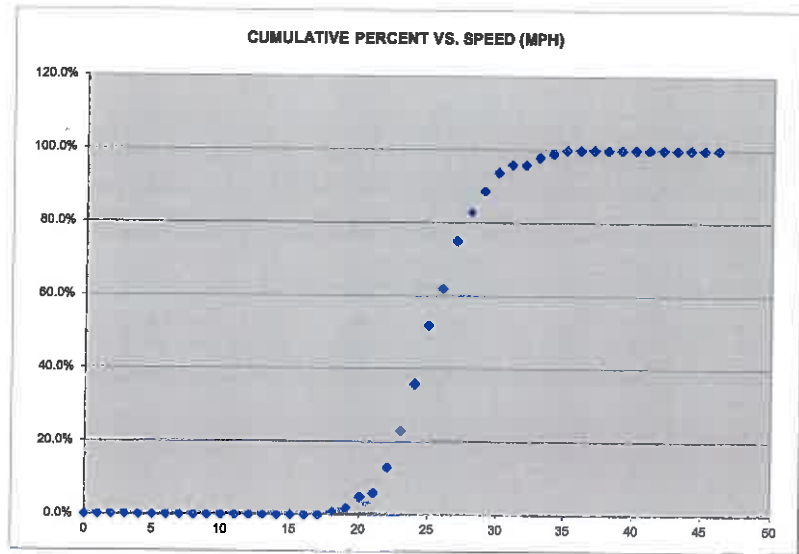
VEHICLES OBSERVED

100

AVERAGE SPEED

25.7

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	0	0.0%	0.0%
18	1	1.0%	1.0%
19	1	1.0%	2.0%
20	3	3.0%	5.0%
21	1	1.0%	6.0%
22	7	7.0%	13.0%
23	10	10.0%	23.0%
24	13	13.0%	36.0%
25	16	16.0%	52.0%
26	10	10.0%	62.0%
27	13	13.0%	75.0%
28	8	8.0%	83.0%
29	6	6.0%	89.0%
30	5	5.0%	94.0%
31	2	2.0%	96.0%
32	0	0.0%	96.0%
33	2	2.0%	98.0%
34	1	1.0%	99.0%
35	1	1.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Broadway

Limits: Pine St. to Frederick St.

City General Plan Roadway Classification: Arterial

Width: Varies, 37-feet two-way to 37-feet each direction

Critical Speed (85th percentile): 29 mph

Unusual Conditions/Allowable Considerations per CVC:

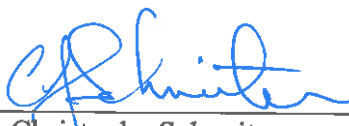
Reported Collisions: 2010 through 2015, 6 total, 3 injury

Adjacent Land Use: Primarily residential

Speed reduction justification: CA MUTCD 2B-13 option 2) The speed limit may be rounded down to the nearest 5 mph increment below the 85th percentile speed, if no further reduction is used. Refer to CVC 21400 (b).

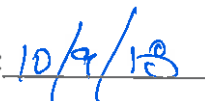
Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____


Christophe Schneider

Title: City Engineer

Date: _____


10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#8 BROADWAY (PINE-

FREDERICK) EB & WB

DATE

11/16/2015

TIME

11:05 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

26

85TH PERCENTILE SPEED

29

10 MPH PACE SPEED

21

TO 30

PERCENT IN PACE SPEED

90.0%

PERCENT OVER PACE SPEED

8.0%

PERCENT UNDER PACE SPEED

2.0%

RANGE OF SPEEDS

17

TO 35

VEHICLES OBSERVED

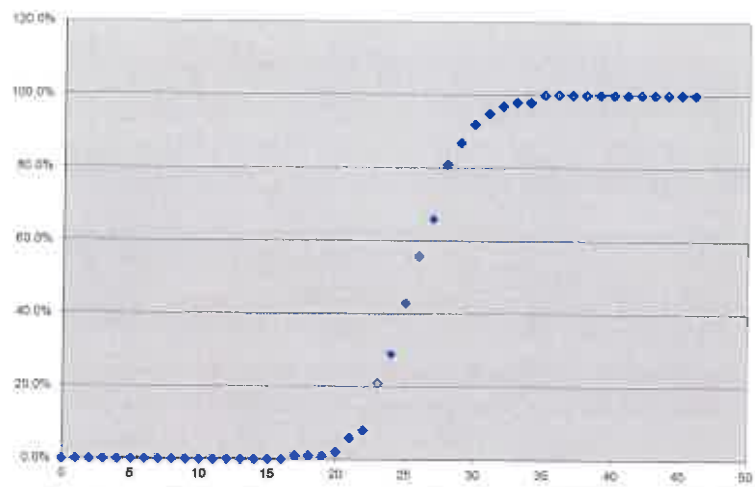
100

AVERAGE SPEED

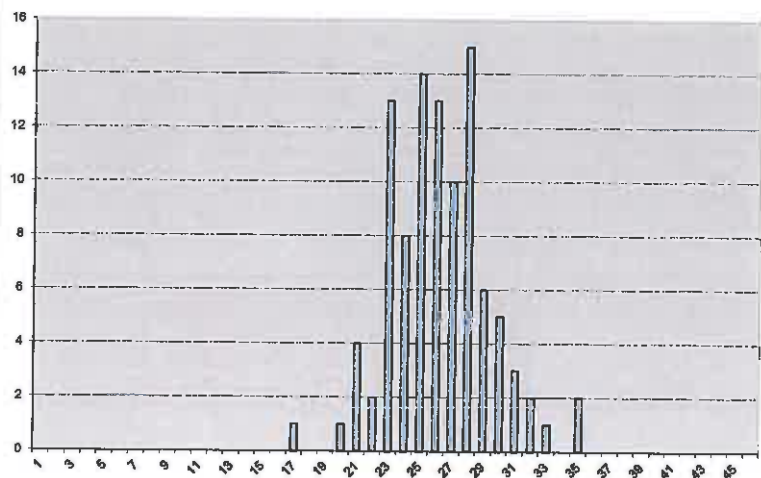
26.2

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	1	1.0%	1.0%
18	0	0.0%	1.0%
19	0	0.0%	1.0%
20	1	1.0%	2.0%
21	4	4.0%	6.0%
22	2	2.0%	8.0%
23	13	13.0%	21.0%
24	8	8.0%	29.0%
25	14	14.0%	43.0%
26	13	13.0%	56.0%
27	10	10.0%	66.0%
28	15	15.0%	81.0%
29	6	6.0%	87.0%
30	5	5.0%	92.0%
31	3	3.0%	95.0%
32	2	2.0%	97.0%
33	1	1.0%	98.0%
34	0	0.0%	98.0%
35	2	2.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Broadway

Limits: Ocean St. to San Lorenzo Blvd.

City General Plan Roadway Classification: Arterial

Width: 40-feet

Critical Speed (85th percentile): 30 mph

Unusual Conditions/Allowable Considerations per CVC:

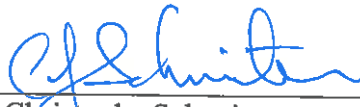
Reported Collisions: 2013 through 2017, 29 total, 10 injury

Adjacent Land Use: Primarily residential

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph increment; segment meets residential density requirement of CVC 627 for a 5 mph reduction.

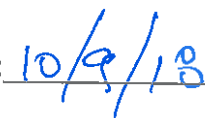
Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____


Christophe Schneider

Title: City Engineer

Date: _____



Vehicle Speed Survey Sheet

DIRECTIONS

#75 BROADWAY (OCEAN-SAN

LORENZO) NB & SB

DATE

11/2/2016

TIME

3:00 PM

POSTED SPEED LIMIT

(no sign) 25

50TH PERCENTILE SPEED

26

85TH PERCENTILE SPEED

30

10 MPH PACE SPEED

19

TO 28

PERCENT IN PACE SPEED

79.0%

PERCENT OVER PACE SPEED

18.0%

PERCENT UNDER PACE SPEED

3.0%

RANGE OF SPEEDS

17

TO 33

VEHICLES OBSERVED

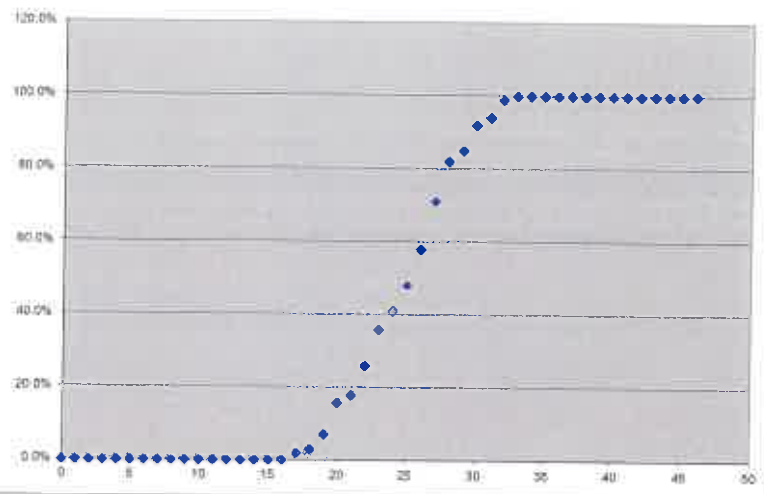
100

AVERAGE SPEED

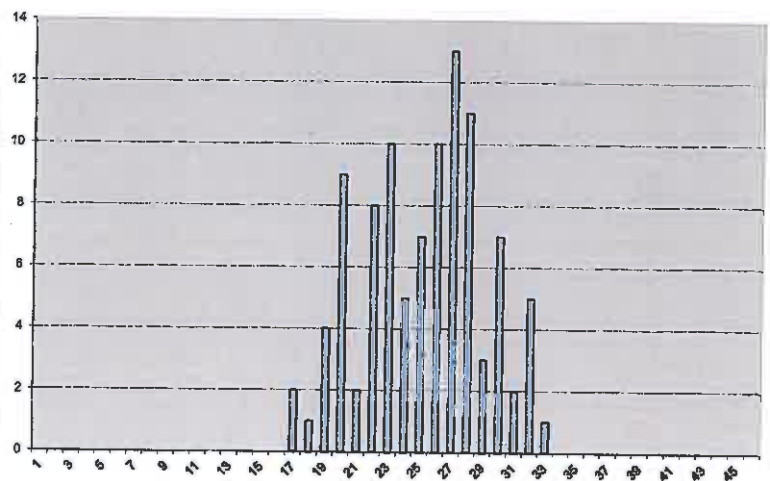
25.2

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	2	2.0%	2.0%
18	1	1.0%	3.0%
19	4	4.0%	7.0%
20	9	9.0%	16.0%
21	2	2.0%	18.0%
22	8	8.0%	26.0%
23	10	10.0%	36.0%
24	5	5.0%	41.0%
25	7	7.0%	48.0%
26	10	10.0%	58.0%
27	13	13.0%	71.0%
28	11	11.0%	82.0%
29	3	3.0%	85.0%
30	7	7.0%	92.0%
31	2	2.0%	94.0%
32	5	5.0%	99.0%
33	1	1.0%	100.0%
34	0	0.0%	100.0%
35	0	0.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: California Ave.

Limits: Bay St. to Errett Circle

City General Plan Roadway Classification: Collector

Width: 46-feet

Critical Speed (85th percentile): 32 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 3 total, 0 injury

Adjacent Land Use: Primarily residential

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph increment and segment meets residential density requirement of CVC 627 for a 5 mph reduction.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____


Christophe Schneiter

Title: City Engineer

Date: 10/9/12

Vehicle Speed Survey Sheet

DIRECTIONS

#9 CALIFORNIA (BAY-ERRET)

EB & WB

DATE

11/18/2015

TIME

9:59 AM

POSTED SPEED LIMIT

(no sign) 25

50TH PERCENTILE SPEED

28

85TH PERCENTILE SPEED

32

10 MPH PACE SPEED

22

TO 31

PERCENT IN PACE SPEED

79.2%

PERCENT OVER PACE SPEED

16.8%

PERCENT UNDER PACE SPEED

4.0%

RANGE OF SPEEDS

17

TO 38

VEHICLES OBSERVED

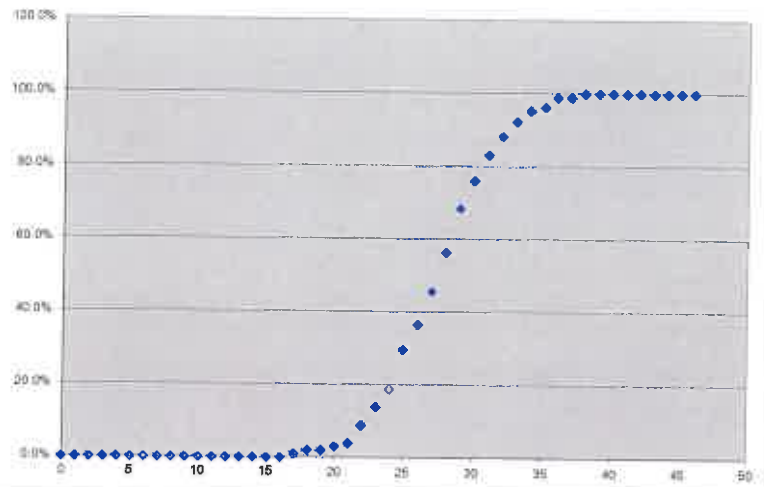
101

AVERAGE SPEED

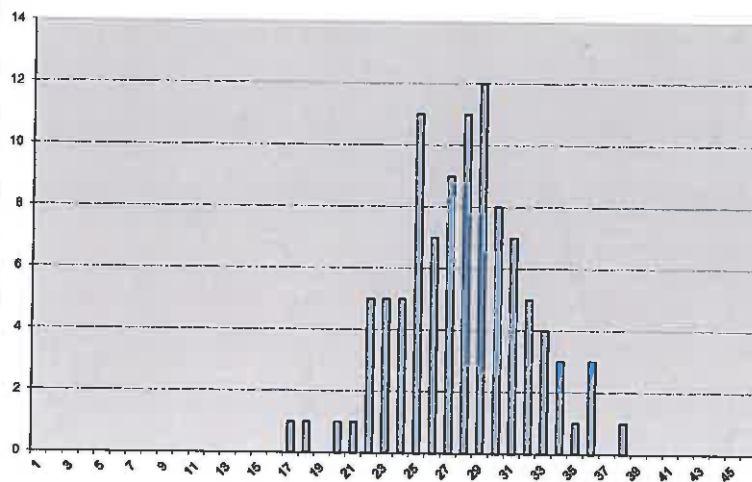
27.8

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	1	1.0%	1.0%
18	1	1.0%	2.0%
19	0	0.0%	2.0%
20	1	1.0%	3.0%
21	1	1.0%	4.0%
22	5	5.0%	8.9%
23	5	5.0%	13.9%
24	5	5.0%	18.8%
25	11	10.9%	29.7%
26	7	6.9%	36.6%
27	9	8.9%	45.5%
28	11	10.9%	56.4%
29	12	11.9%	68.3%
30	8	7.9%	76.2%
31	7	6.9%	83.2%
32	5	5.0%	88.1%
33	4	4.0%	92.1%
34	3	3.0%	95.0%
35	1	1.0%	96.0%
36	3	3.0%	99.0%
37	0	0.0%	99.0%
38	1	1.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: California St.

Limits: Bay St. to Laurel St.

City General Plan Roadway Classification: Collector

Width: 45-feet

Critical Speed (85th percentile): 28 mph

Unusual Conditions/Allowable Considerations per CVC:

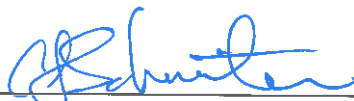
Reported Collisions: 2010 through 2015, 9 total, 3 injury

Adjacent Land Use: Primarily residential

Speed reduction justification: CA MUTCD 2B-13 option 2) The speed limit may be rounded down to the nearest 5 mph increment below the 85th percentile speed, if no further reduction is used. Refer to CVC 21400 (b).

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____


Christophe Schneider

Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#10 CALIFORNIA (BAY-
LAUREL) EB & WB

DATE

11/18/2015

TIME

10:42 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

25

85TH PERCENTILE SPEED

28

10 MPH PACE SPEED

19

TO 28

PERCENT IN PACE SPEED

88.0%

PERCENT OVER PACE SPEED

12.0%

PERCENT UNDER PACE SPEED

0.0%

RANGE OF SPEEDS

19

TO 37

VEHICLES OBSERVED

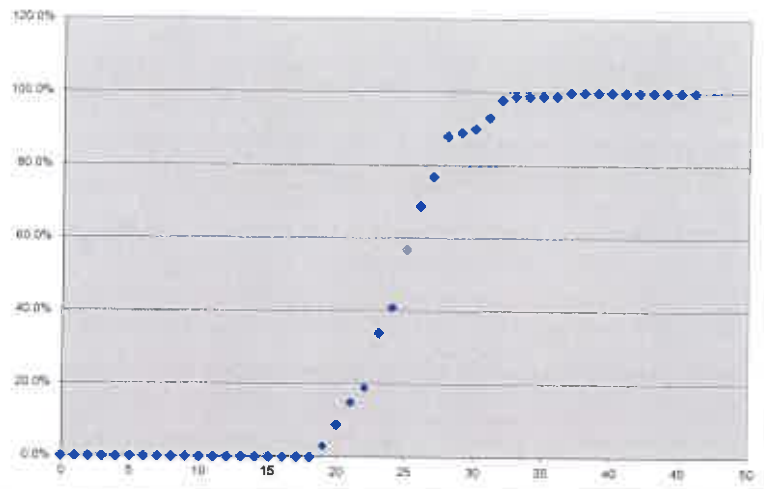
100

AVERAGE SPEED

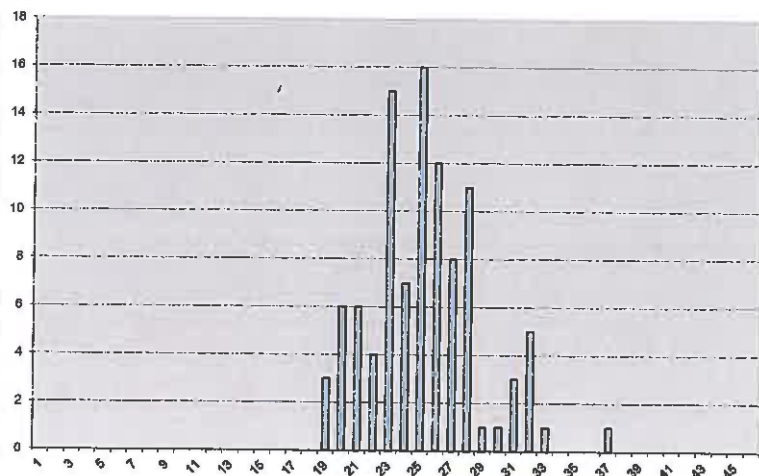
25.2

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	0	0.0%	0.0%
18	0	0.0%	0.0%
19	3	3.0%	3.0%
20	6	6.0%	9.0%
21	5	6.0%	15.0%
22	4	4.0%	19.0%
23	15	15.0%	34.0%
24	7	7.0%	41.0%
25	16	16.0%	57.0%
26	12	12.0%	69.0%
27	8	8.0%	77.0%
28	11	11.0%	88.0%
29	1	1.0%	89.0%
30	1	1.0%	90.0%
31	3	3.0%	93.0%
32	5	5.0%	98.0%
33	1	1.0%	99.0%
34	0	0.0%	99.0%
35	0	0.0%	99.0%
36	0	0.0%	99.0%
37	1	1.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Carbonera Dr.

Limits: Isbel Dr. to El Rancho Dr.

City General Plan Roadway Classification: Collector

Width: 40-feet

Critical Speed (85th percentile): 30 mph

Unusual Conditions/Allowable Considerations per CVC:

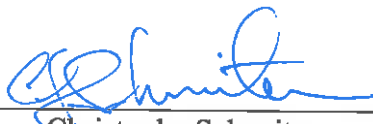
Reported Collisions: 2010 through 2015, 0 total, 0 injury

Adjacent Land Use: Residential

Speed reduction justification: CA MUTCD 2B-13 Segment meets residential density requirement of CVC 627 for a 5 mph reduction.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____


Christophe Schneider

Title: City Engineer

Date: _____

10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#11 CARBONERA (ISBEL-EL

RANCHO)

DATE

10/13/2016

TIME

9:05 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

27

85TH PERCENTILE SPEED

30

10 MPH PACE SPEED

21

TO 30

PERCENT IN PACE SPEED

77.2%

PERCENT OVER PACE SPEED

12.9%

PERCENT UNDER PACE SPEED

9.9%

RANGE OF SPEEDS

16

TO 38

VEHICLES OBSERVED

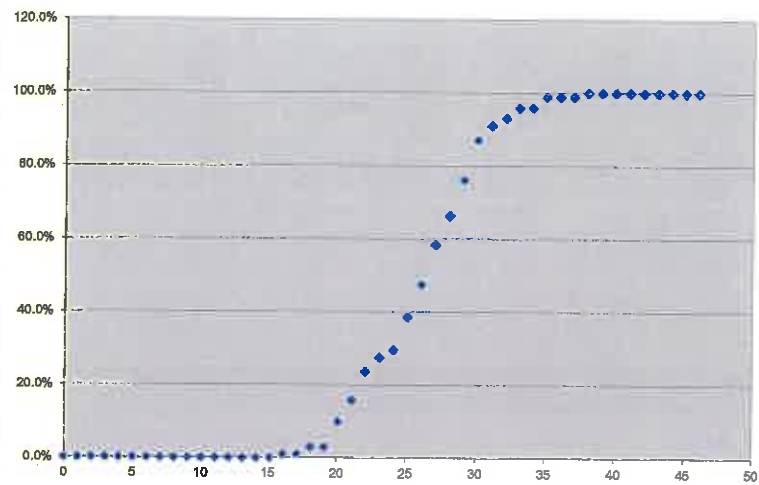
101

AVERAGE SPEED

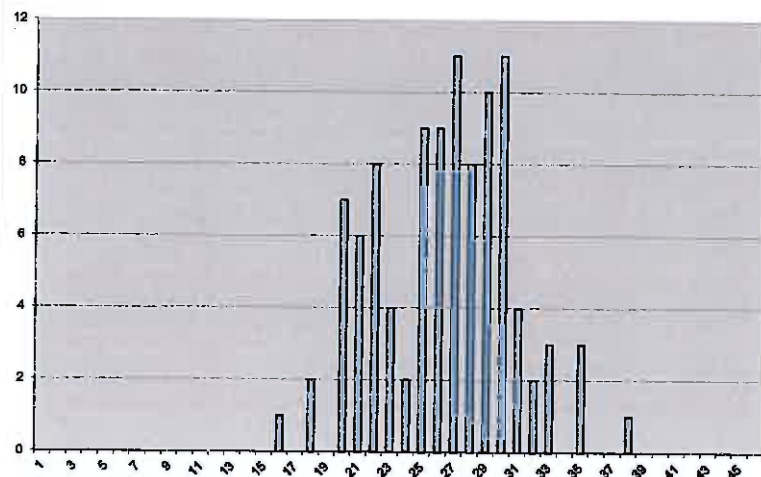
26.4

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	1	1.0%	1.0%
17	0	0.0%	1.0%
18	2	2.0%	3.0%
19	0	0.0%	3.0%
20	7	6.9%	9.9%
21	6	5.9%	15.8%
22	8	7.9%	23.8%
23	4	4.0%	27.7%
24	2	2.0%	29.7%
25	9	8.9%	38.6%
26	9	8.9%	47.5%
27	11	10.9%	58.4%
28	8	7.9%	66.3%
29	10	9.9%	76.2%
30	11	10.9%	87.1%
31	4	4.0%	91.1%
32	2	2.0%	93.1%
33	3	3.0%	96.0%
34	0	0.0%	96.0%
35	3	3.0%	99.0%
36	0	0.0%	99.0%
37	0	0.0%	99.0%
38	1	1.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Cayuga St.

Limits: Broadway to Soquel Ave.

City General Plan Roadway Classification: Local

Width: 46 feet

Critical Speed (85th percentile): 30 mph

Unusual Conditions/Allowable Considerations per CVC:

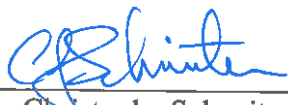
Reported Collisions: 2010 through 2015, 6 total, 6 injury

Adjacent Land Use: Primarily residential

Speed reduction justification: CA MUTCD 2B-13 Segment meets residential density requirement of CVC 627 for a 5 mph reduction.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____


Christophe Schneider

Title: City Engineer

Date: _____

10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#12 CAYUGA (SOQUEL-
BROADWAY) NB & SB
11/20/2015
1:34 PM
no sign 25

DATE

TIME

POSTED SPEED LIMIT

50TH PERCENTILE SPEED
85TH PERCENTILE SPEED
10 MPH PACE SPEED
PERCENT IN PACE SPEED
PERCENT OVER PACE SPEED
PERCENT UNDER PACE SPEED
RANGE OF SPEEDS
VEHICLES OBSERVED
AVERAGE SPEED

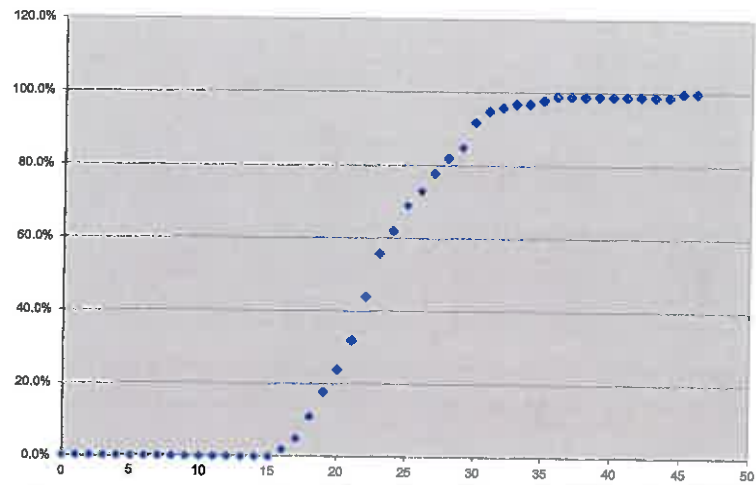
23
30
18
73.0%
22.0%
5.0%
16
100
23.9

TO 27

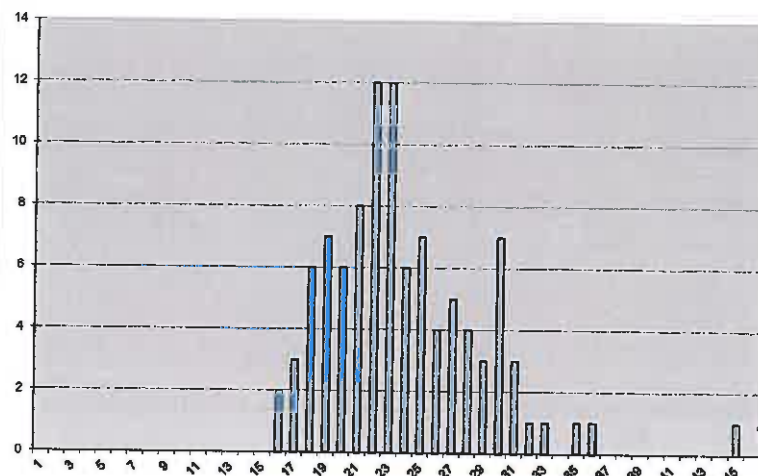
TO 45

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	2	2.0%	2.0%
17	3	3.0%	5.0%
18	6	6.0%	11.0%
19	7	7.0%	18.0%
20	6	6.0%	24.0%
21	8	8.0%	32.0%
22	12	12.0%	44.0%
23	12	12.0%	56.0%
24	6	6.0%	62.0%
25	7	7.0%	69.0%
26	4	4.0%	73.0%
27	5	5.0%	78.0%
28	4	4.0%	82.0%
29	3	3.0%	85.0%
30	7	7.0%	92.0%
31	3	3.0%	95.0%
32	1	1.0%	96.0%
33	1	1.0%	97.0%
34	0	0.0%	97.0%
35	1	1.0%	98.0%
36	1	1.0%	99.0%
37	0	0.0%	99.0%
38	0	0.0%	99.0%
39	0	0.0%	99.0%
40	0	0.0%	99.0%
41	0	0.0%	99.0%
42	0	0.0%	99.0%
43	0	0.0%	99.0%
44	0	0.0%	99.0%
45	1	1.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Cayuga St

Limits: Broadway to Hiawatha Ave.

City General Plan Roadway Classification: Local

Width: 46-48 feet

Critical Speed (85th percentile): 28 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 6 total, 5 injury

Adjacent Land Use: Primarily residential

Speed reduction justification: CA MUTCD 2B-13 option 2) The speed limit may be rounded down to the nearest 5 mph increment below the 85th percentile speed, if no further reduction is used. Refer to CVC 21400 (b).

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____


Christophe Schneider

Title: City Engineer

Date: _____

10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#13 CAYUGA (BROADWAY-

HIAWATHA) NB & SB

DATE

11/23/2015

TIME

10:23 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

24

85TH PERCENTILE SPEED

28

10 MPH PACE SPEED

20

TO 29

PERCENT IN PACE SPEED

86.0%

PERCENT OVER PACE SPEED

5.0%

PERCENT UNDER PACE SPEED

9.0%

RANGE OF SPEEDS

15

TO 33

VEHICLES OBSERVED

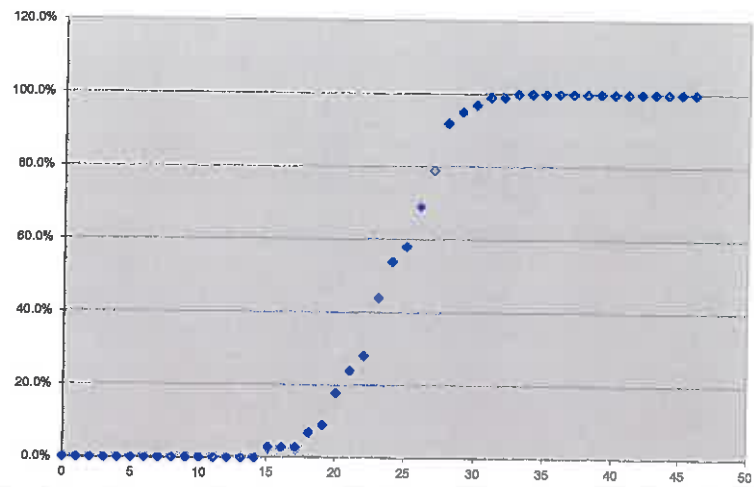
100

AVERAGE SPEED

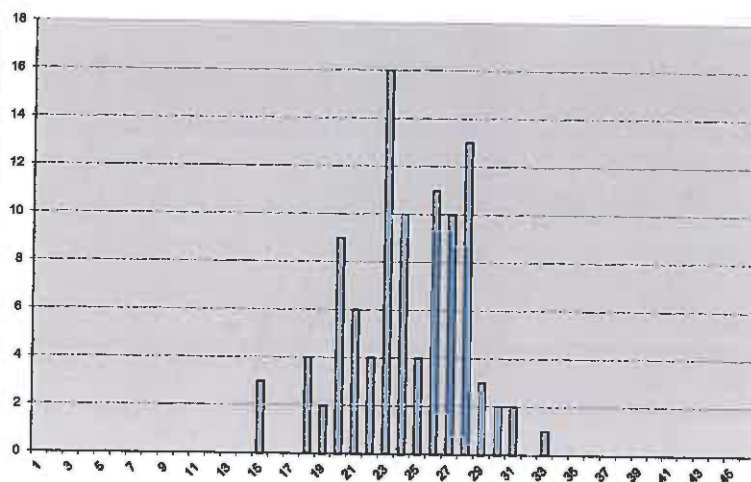
24.2

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	3	3.0%	3.0%
16	0	0.0%	3.0%
17	0	0.0%	3.0%
18	4	4.0%	7.0%
19	2	2.0%	9.0%
20	9	9.0%	18.0%
21	6	6.0%	24.0%
22	4	4.0%	28.0%
23	16	16.0%	44.0%
24	10	10.0%	54.0%
25	4	4.0%	58.0%
26	11	11.0%	69.0%
27	10	10.0%	79.0%
28	13	13.0%	92.0%
29	3	3.0%	95.0%
30	2	2.0%	97.0%
31	2	2.0%	99.0%
32	0	0.0%	99.0%
33	1	1.0%	100.0%
34	0	0.0%	100.0%
35	0	0.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Center St.

Limits: Mission St. to Pacific Ave.

City General Plan Roadway Classification: Arterial

Width: 38 feet

Critical Speed (85th percentile): 24 mph

Unusual Conditions/Allowable Considerations per CVC:

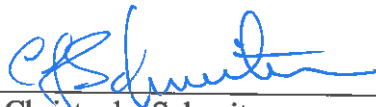
Reported Collisions: 2010 through 2015, 1 total, 0 injury

Adjacent Land Use: Commercial, municipal, and some residential

Speed reduction justification: None required

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____


Christophe Schneider

Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#111 CENTER ST. (MISSION-PACIFIC) NB&SB

DATE

10/23/2017

TIME

1:32 AM

POSTED SPEED LIMIT

25

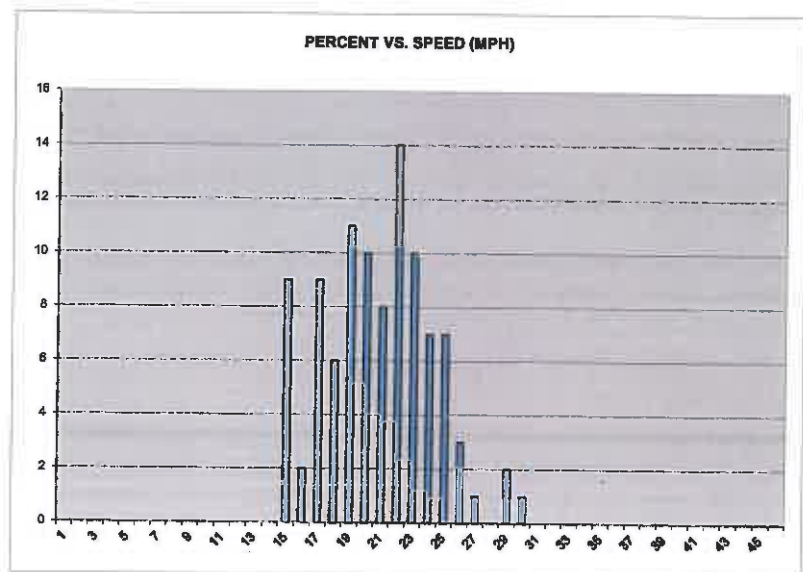
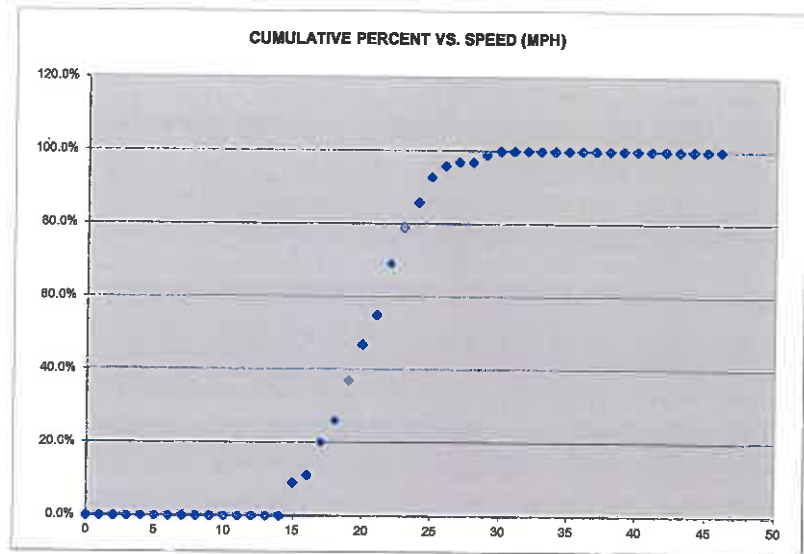
50TH PERCENTILE SPEED
85TH PERCENTILE SPEED
10 MPH PACE SPEED
PERCENT IN PACE SPEED
PERCENT OVER PACE SPEED
PERCENT UNDER PACE SPEED
RANGE OF SPEEDS
VEHICLES OBSERVED
AVERAGE SPEED

21
24
15
86.0%
14.0%
0.0%
15
100
20.8

TO 24

TO 30

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	9	9.0%	9.0%
16	2	2.0%	11.0%
17	9	9.0%	20.0%
18	6	6.0%	26.0%
19	11	11.0%	37.0%
20	10	10.0%	47.0%
21	8	8.0%	55.0%
22	14	14.0%	69.0%
23	10	10.0%	79.0%
24	7	7.0%	86.0%
25	7	7.0%	93.0%
26	3	3.0%	96.0%
27	1	1.0%	97.0%
28	0	0.0%	97.0%
29	2	2.0%	99.0%
30	1	1.0%	100.0%
31	0	0.0%	100.0%
32	0	0.0%	100.0%
33	0	0.0%	100.0%
34	0	0.0%	100.0%
35	0	0.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Chestnut St.

Limits: Laurel St. to Mission St.

City General Plan Roadway Classification: Collector

Width: 46 feet

Critical Speed (85th percentile): 30 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 14 total, 8 injury

Adjacent Land Use: Primarily residential

Speed reduction justification: CA MUTCD 2B-13 Segment meets residential density requirement of CVC 627 for a 5 mph reduction.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____


Christophe Schneider

Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#14 CHESTNUT (LAUREL-

MISSION) NB & SB

DATE

12/14/2015

TIME

11:35 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

26

85TH PERCENTILE SPEED

30

10 MPH PACE SPEED

20

TO 29

PERCENT IN PACE SPEED

84.3%

PERCENT OVER PACE SPEED

15.7%

PERCENT UNDER PACE SPEED

0.0%

RANGE OF SPEEDS

20

TO 36

VEHICLES OBSERVED

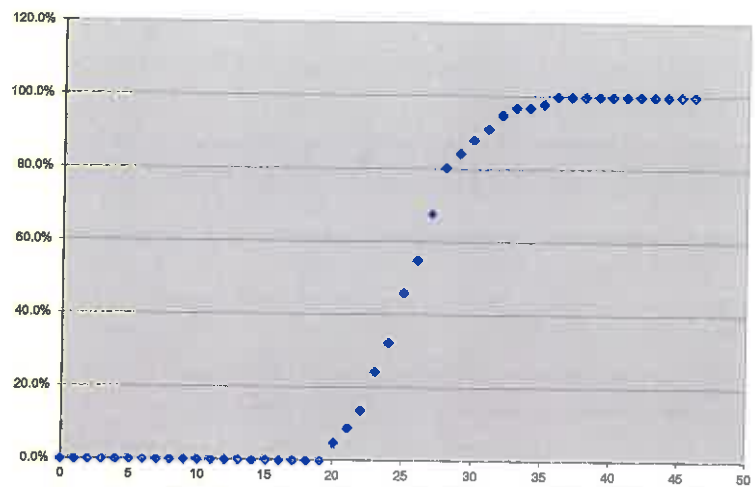
102

AVERAGE SPEED

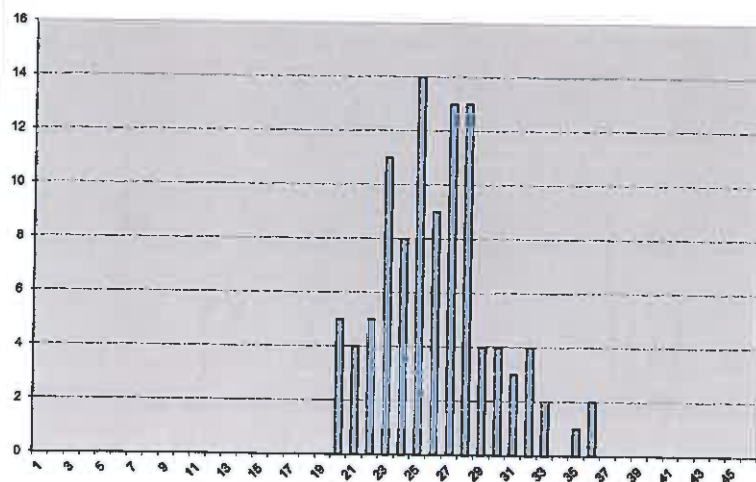
26.2

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	0	0.0%	0.0%
18	0	0.0%	0.0%
19	0	0.0%	0.0%
20	5	4.9%	4.9%
21	4	3.9%	8.8%
22	5	4.9%	13.7%
23	11	10.8%	24.5%
24	8	7.8%	32.4%
25	14	13.7%	46.1%
26	9	8.8%	54.9%
27	13	12.7%	67.6%
28	13	12.7%	80.4%
29	4	3.9%	84.3%
30	4	3.9%	88.2%
31	3	2.9%	91.2%
32	4	3.9%	95.1%
33	2	2.0%	97.1%
34	0	0.0%	97.1%
35	1	1.0%	98.0%
36	2	2.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Chilverton St.

Limits: Branciforte Ave to Morrissey

City General Plan Roadway Classification: Local

Width: 34-feet

Critical Speed (85th percentile): 32 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 1 total, 0 injury

Adjacent Land Use: Primarily residential

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph increment and segment meets residential density requirement of CVC 627 for a 5 mph reduction.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 

Christophe Schneider

Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#15 CHIVERTON
(BRANCIFORTE-MORRISSEY)
EB & WB

DATE

6/2/2016

TIME

11:00 AM

POSTED SPEED LIMIT

(no sign) 25

50TH PERCENTILE SPEED

21

85TH PERCENTILE SPEED

24

10 MPH PACE SPEED

15

TO 24

PERCENT IN PACE SPEED

90.0%

PERCENT OVER PACE SPEED

10.0%

PERCENT UNDER PACE SPEED

0.0%

RANGE OF SPEEDS

15

TO 29

VEHICLES OBSERVED

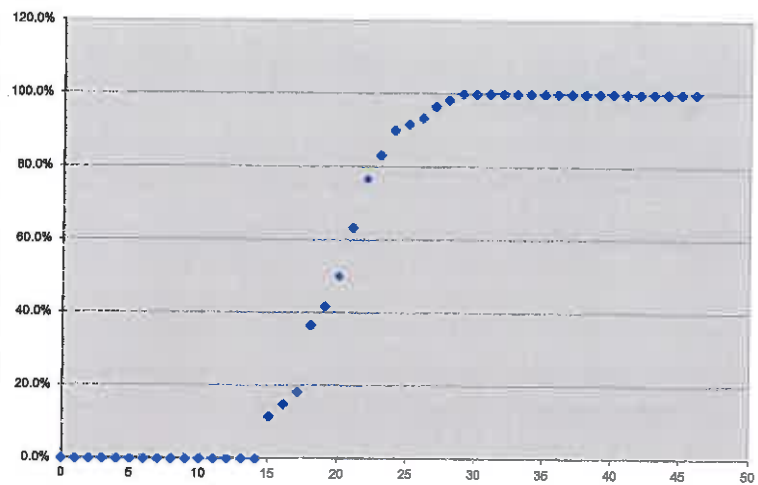
60

AVERAGE SPEED

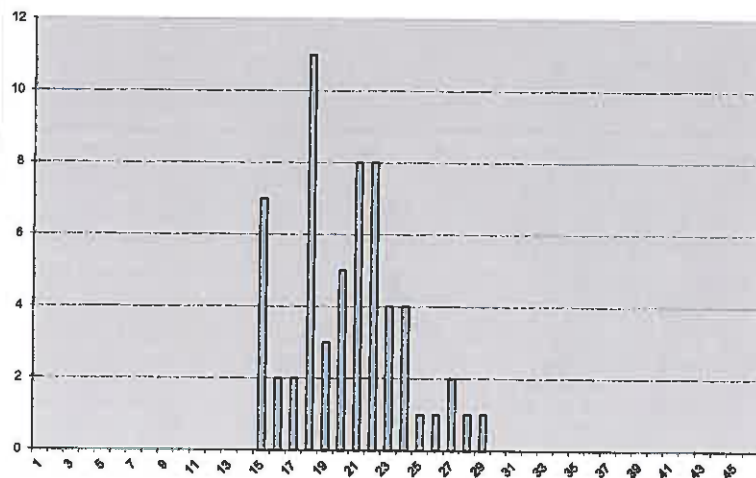
20.3

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	7	11.7%	11.7%
16	2	3.3%	15.0%
17	2	3.3%	18.3%
18	11	18.3%	36.7%
19	3	5.0%	41.7%
20	5	8.3%	50.0%
21	8	13.3%	63.3%
22	8	13.3%	76.7%
23	4	6.7%	83.3%
24	4	6.7%	90.0%
25	1	1.7%	91.7%
26	1	1.7%	93.3%
27	2	3.3%	96.7%
28	1	1.7%	98.3%
29	1	1.7%	100.0%
30	0	0.0%	100.0%
31	0	0.0%	100.0%
32	0	0.0%	100.0%
33	0	0.0%	100.0%
34	0	0.0%	100.0%
35	0	0.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Coral Street

Limits: River St to Evergreen St.

City General Plan Roadway Classification: Collector

Width: 40-feet

Critical Speed (85th percentile): 27 mph

Unusual Conditions/Allowable Considerations per CVC:

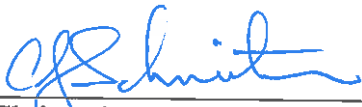
Reported Collisions: 2010 through 2015, 18 total, 3 injury

Adjacent Land Use: Primarily Commercial

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph increment.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____


Christophe Schmitter

Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#16 CORAL (RIVER-

EVERGREEN) NB & SB

DATE

10/6/2016

TIME

9:25 AM

POSTED SPEED LIMIT

(no sign)

25

50TH PERCENTILE SPEED

23

85TH PERCENTILE SPEED

27

10 MPH PACE SPEED

18

TO 27

PERCENT IN PACE SPEED

79.0%

PERCENT OVER PACE SPEED

11.0%

PERCENT UNDER PACE SPEED

10.0%

RANGE OF SPEEDS

16

TO 32

VEHICLES OBSERVED

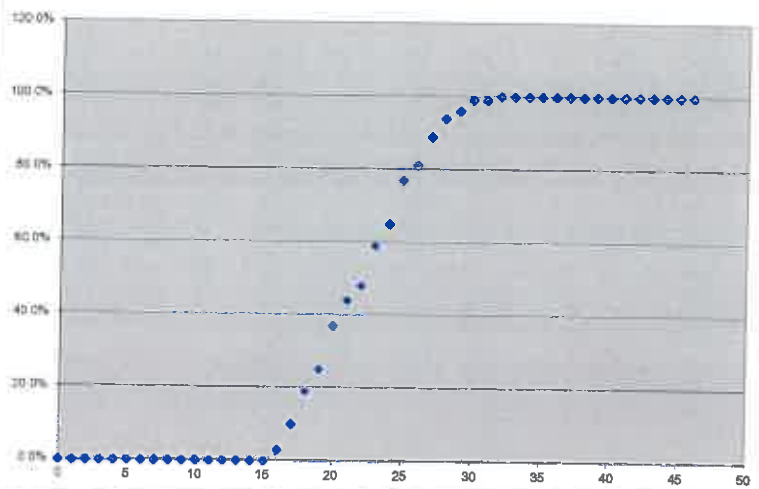
100

AVERAGE SPEED

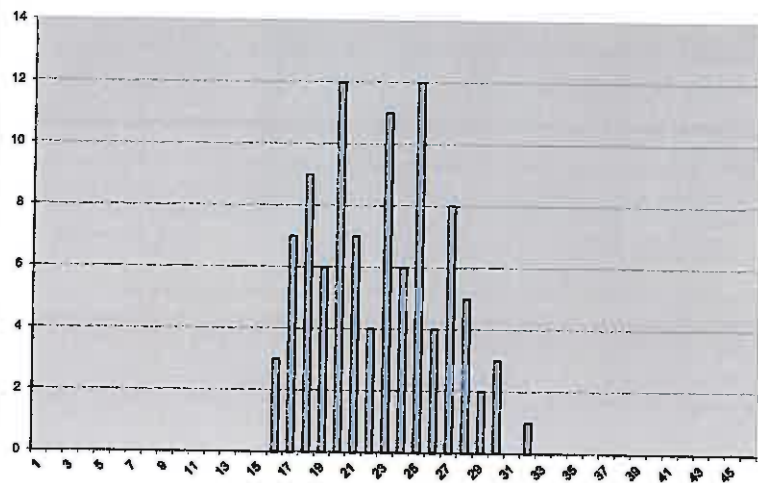
22.6

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	3	3.0%	3.0%
17	7	7.0%	10.0%
18	9	9.0%	19.0%
19	6	6.0%	25.0%
20	12	12.0%	37.0%
21	7	7.0%	44.0%
22	4	4.0%	48.0%
23	11	11.0%	59.0%
24	6	6.0%	65.0%
25	12	12.0%	77.0%
26	4	4.0%	81.0%
27	8	8.0%	89.0%
28	5	5.0%	94.0%
29	2	2.0%	96.0%
30	3	3.0%	99.0%
31	0	0.0%	99.0%
32	1	1.0%	100.0%
33	0	0.0%	100.0%
34	0	0.0%	100.0%
35	0	0.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Delaware Ave.

Limits: Swift St. to Shaffer Rd.

City General Plan Roadway Classification: Arterial

Width: 60-feet

Critical Speed (85th percentile): 35 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 10 total, 8 injury (4 Bike)

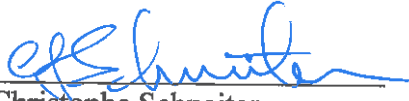
Adjacent Land Use: Primarily Commercial/Industrial w Recreational (Natural Bridges State Park and Antonelli Pond). Also Long Marine Lab and De Anza Senior Park at the north end.

Speed reduction justification: Pedestrian and bicycle access to recreation and University areas bisect and occur along the segment. Large areas lack continuous sidewalk.

CA MUTCD 2B-13 and CVC 627 allow a 5 mph reduction for Pedestrian and bicyclist safety.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **30 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____


Christophe Schneider

Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#17 DELAWARE (SWIFT-

SHAFFER) EB &WB

DATE

8/5/2015

TIME

11:22 AM

POSTED SPEED LIMIT

30

50TH PERCENTILE SPEED

31

85TH PERCENTILE SPEED

35

10 MPH PACE SPEED

26

TO 35

PERCENT IN PACE SPEED

80.0%

PERCENT OVER PACE SPEED

13.0%

PERCENT UNDER PACE SPEED

7.0%

RANGE OF SPEEDS

21

TO 43

VEHICLES OBSERVED

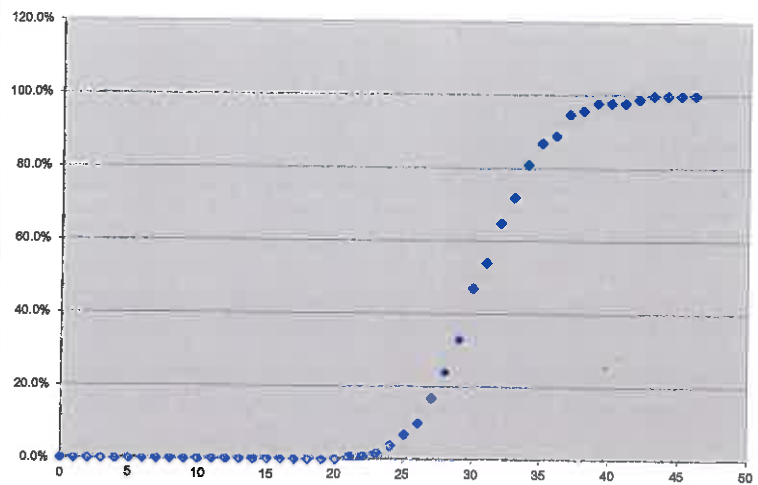
100

AVERAGE SPEED

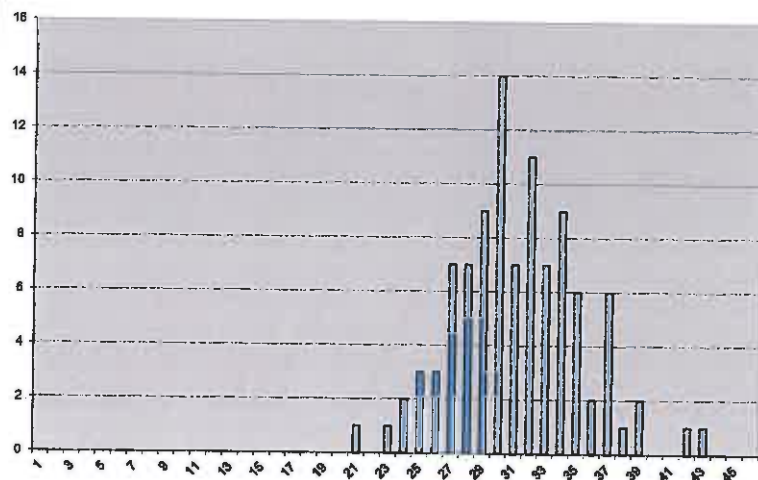
31.2

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	0	0.0%	0.0%
18	0	0.0%	0.0%
19	0	0.0%	0.0%
20	0	0.0%	0.0%
21	1	1.0%	1.0%
22	0	0.0%	1.0%
23	1	1.0%	2.0%
24	2	2.0%	4.0%
25	3	3.0%	7.0%
26	3	3.0%	10.0%
27	7	7.0%	17.0%
28	7	7.0%	24.0%
29	9	9.0%	33.0%
30	14	14.0%	47.0%
31	7	7.0%	54.0%
32	11	11.0%	65.0%
33	7	7.0%	72.0%
34	9	9.0%	81.0%
35	6	6.0%	87.0%
36	2	2.0%	89.0%
37	6	6.0%	95.0%
38	1	1.0%	96.0%
39	2	2.0%	98.0%
40	0	0.0%	98.0%
41	0	0.0%	98.0%
42	1	1.0%	99.0%
43	1	1.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Delaware Ave.

Limits: Swift St. to Woodrow Ave.

City General Plan Roadway Classification: Arterial

Width: Varies 40-58 feet

Critical Speed (85th percentile): 30 mph

Unusual Conditions/Allowable Considerations per CVC:

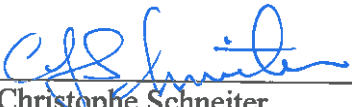
Reported Collisions: 2010 through 2015, 12 total, 7 injury

Adjacent Land Use: Residential

Speed reduction justification: CA MUTCD 2B-13 Segment meets residential density requirement of CVC 627 for a 5 mph reduction.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____


Christophe Schneider

Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#18 DELAWARE (WOODROW-

SWIFT) EB & WB

DATE

9/1/2017

TIME

9:01 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

26

85TH PERCENTILE SPEED

30

10 MPH PACE SPEED

21

TO 30

PERCENT IN PACE SPEED

82.8%

PERCENT OVER PACE SPEED

7.1%

PERCENT UNDER PACE SPEED

10.1%

RANGE OF SPEEDS

17

TO 33

VEHICLES OBSERVED

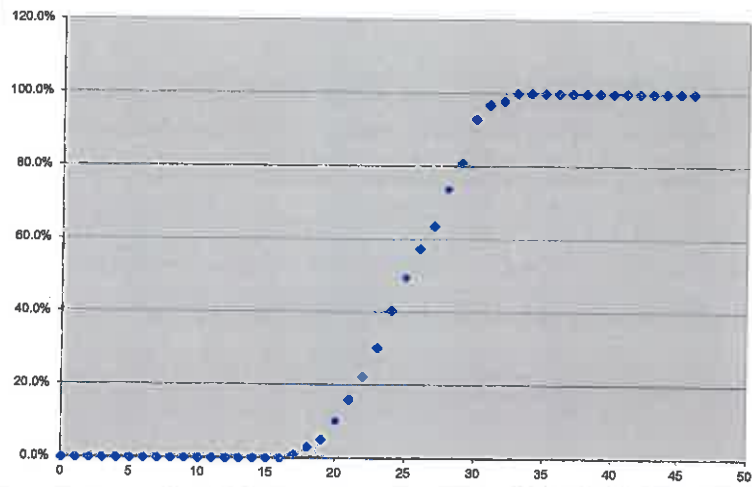
99

AVERAGE SPEED

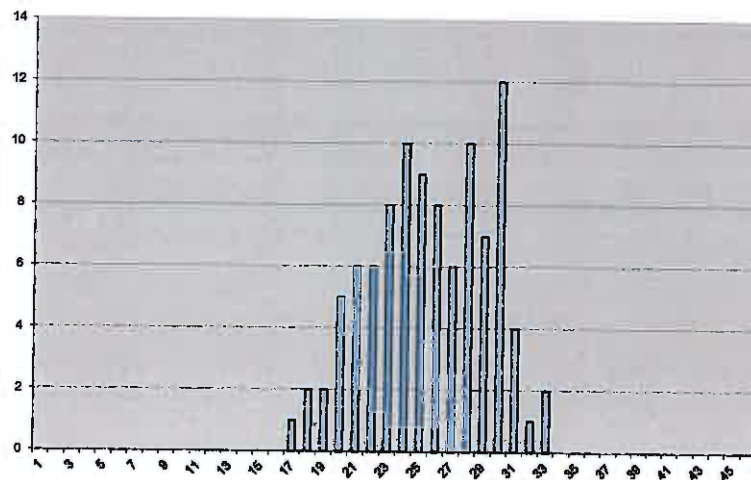
25.6

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	1	1.0%	1.0%
18	2	2.0%	3.0%
19	2	2.0%	5.1%
20	5	5.1%	10.1%
21	6	6.1%	16.2%
22	6	6.1%	22.2%
23	8	8.1%	30.3%
24	10	10.1%	40.4%
25	9	9.1%	49.5%
26	8	8.1%	57.6%
27	6	6.1%	63.6%
28	10	10.1%	73.7%
29	7	7.1%	80.8%
30	12	12.1%	92.9%
31	4	4.0%	97.0%
32	1	1.0%	98.0%
33	2	2.0%	100.0%
34	0	0.0%	100.0%
35	0	0.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Delaware Ave, Laguna.

Limits: Woodrow Ave to Bay.

City General Plan Roadway Classification: Arterial

Width: Varies 36-58 feet

Critical Speed (85th percentile): 32 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 10 total, 5 injury

Adjacent Land Use: Residential

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph increment and segment meets residential density requirement of CVC 627 for a 5 mph reduction.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#19 DELAWARE -LAGUNA(

WOODROW-BAY) EB & WB

DATE

12/2/2016

TIME

11:00 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

29

85TH PERCENTILE SPEED

32

10 MPH PACE SPEED

25

TO 34

PERCENT IN PACE SPEED

76.8%

PERCENT OVER PACE SPEED

5.1%

PERCENT UNDER PACE SPEED

18.2%

RANGE OF SPEEDS

16

TO 36

VEHICLES OBSERVED

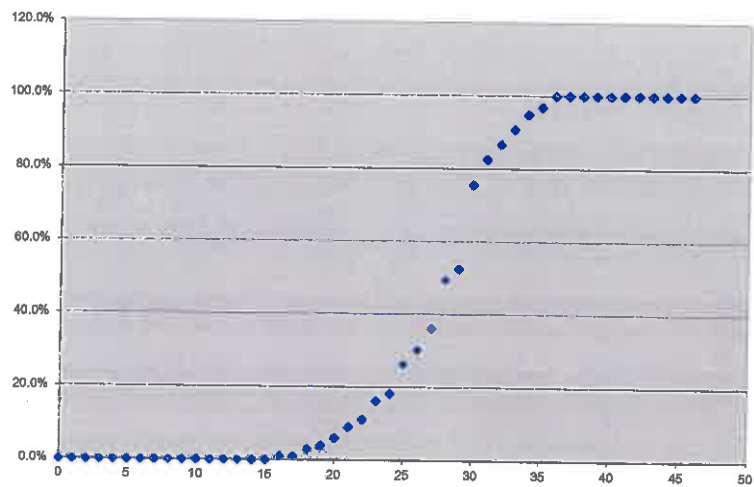
99

AVERAGE SPEED

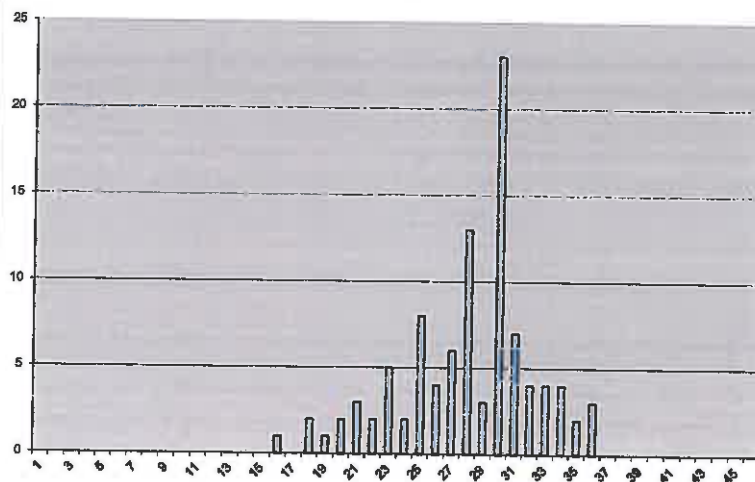
28.1

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	1	1.0%	1.0%
17	0	0.0%	1.0%
18	2	2.0%	3.0%
19	1	1.0%	4.0%
20	2	2.0%	6.1%
21	3	3.0%	9.1%
22	2	2.0%	11.1%
23	5	5.1%	16.2%
24	2	2.0%	18.2%
25	8	8.1%	26.3%
26	4	4.0%	30.3%
27	6	6.1%	36.4%
28	13	13.1%	49.5%
29	3	3.0%	52.5%
30	23	23.2%	75.8%
31	7	7.1%	82.8%
32	4	4.0%	86.9%
33	4	4.0%	90.9%
34	4	4.0%	94.9%
35	2	2.0%	97.0%
36	3	3.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: East Cliff Dr/San Lorenzo Blvd.

Limits: Broadway to Alhambra.

City General Plan Roadway Classification: Collector

Width: 40 feet

Critical Speed (85th percentile): 27 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2013 through 2017, 42 total, 8 injury

Adjacent Land Use: Primarily residential

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph increment.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 

Christophe Schneider

Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#114 EAST CLIFF / SAN
LORENZO (BROADWAY-
ALHAMBRA) NB & SB
1/29/2018
9:58 AM
25

DATE

TIME

POSTED SPEED LIMIT

50TH PERCENTILE SPEED

85TH PERCENTILE SPEED

10 MPH PACE SPEED

PERCENT IN PACE SPEED

PERCENT OVER PACE SPEED

PERCENT UNDER PACE SPEED

RANGE OF SPEEDS

VEHICLES OBSERVED

AVERAGE SPEED

23

27

18

TO 27

81.7%

11.7%

6.7%

15

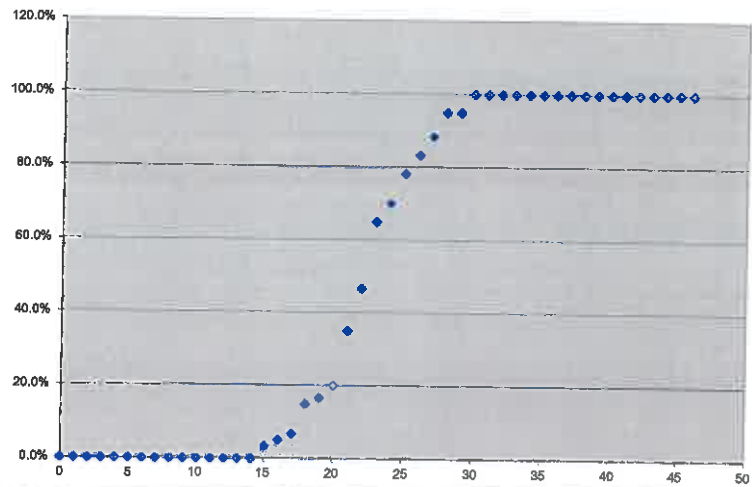
TO 30

60

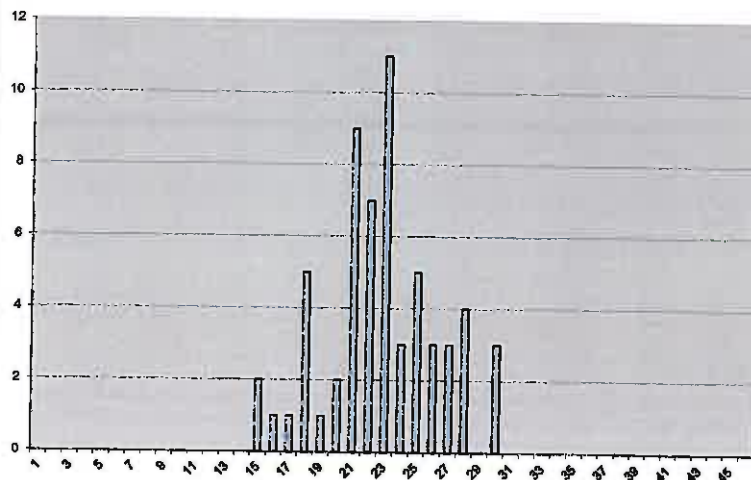
22.8

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	2	3.3%	3.3%
16	1	1.7%	5.0%
17	1	1.7%	6.7%
18	5	8.3%	15.0%
19	1	1.7%	16.7%
20	2	3.3%	20.0%
21	9	15.0%	35.0%
22	7	11.7%	46.7%
23	11	18.3%	65.0%
24	3	5.0%	70.0%
25	5	8.3%	78.3%
26	3	5.0%	83.3%
27	3	5.0%	88.3%
28	4	6.7%	95.0%
29	0	0.0%	95.0%
30	3	5.0%	100.0%
31	0	0.0%	100.0%
32	0	0.0%	100.0%
33	0	0.0%	100.0%
34	0	0.0%	100.0%
35	0	0.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Elk St.

Limits: Goss Ave. to Rooney St.

City General Plan Roadway Classification: Collector

Width: 23 feet

Critical Speed (85th percentile): 22 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2013 through 2017, 1 total, 0 injury

Adjacent Land Use: Primarily residential

Speed reduction justification: None required.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____


Christophe Schneider

Title: City Engineer

Date: _____

10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#115 ELK ST. (GOSS-ROONEY)

NB & SB

DATE

10/18/2017

TIME

10:07 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

18

85TH PERCENTILE SPEED

22

10 MPH PACE SPEED

15

TO 24

PERCENT IN PACE SPEED

100.0%

PERCENT OVER PACE SPEED

0.0%

PERCENT UNDER PACE SPEED

0.0%

RANGE OF SPEEDS

15

TO 24

VEHICLES OBSERVED

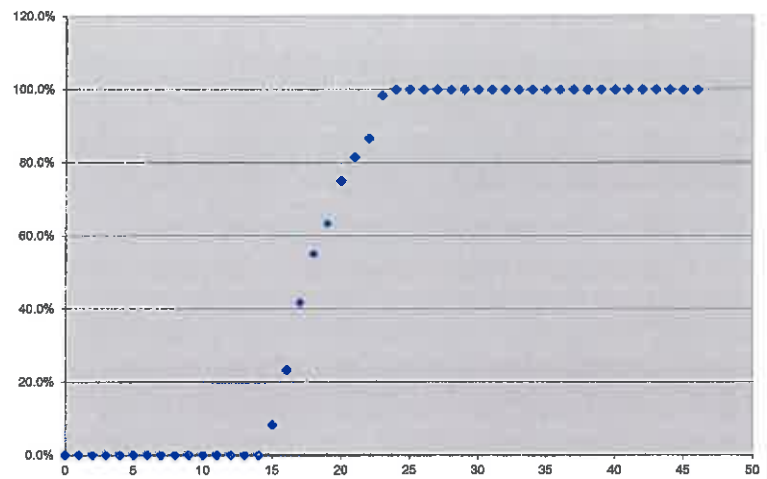
60

AVERAGE SPEED

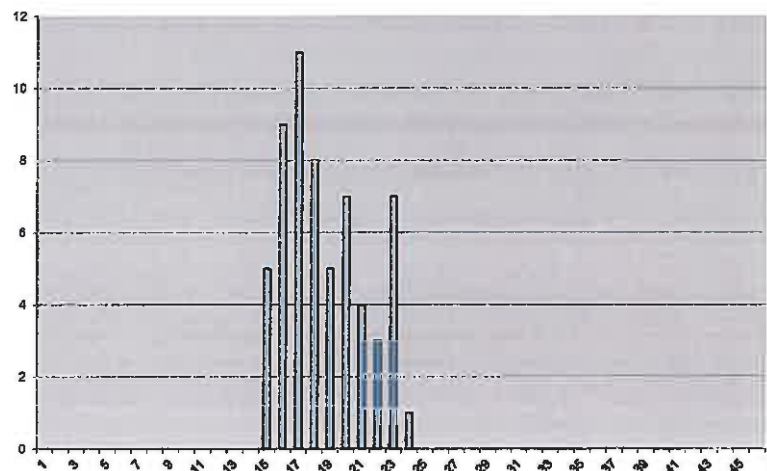
18.7

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	5	8.3%	8.3%
16	9	15.0%	23.3%
17	11	18.3%	41.7%
18	8	13.3%	55.0%
19	5	8.3%	63.3%
20	7	11.7%	75.0%
21	4	6.7%	81.7%
22	3	5.0%	86.7%
23	7	11.7%	98.3%
24	1	1.7%	100.0%
25	0	0.0%	100.0%
26	0	0.0%	100.0%
27	0	0.0%	100.0%
28	0	0.0%	100.0%
29	0	0.0%	100.0%
30	0	0.0%	100.0%
31	0	0.0%	100.0%
32	0	0.0%	100.0%
33	0	0.0%	100.0%
34	0	0.0%	100.0%
35	0	0.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Emeline Ave.

Limits: Sutphen to Grant St.

City General Plan Roadway Classification: Collector

Width: 35 feet

Critical Speed (85th percentile): 31 mph

Unusual Conditions/Allowable Considerations per CVC:

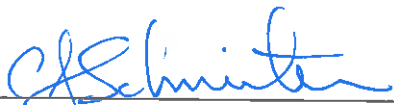
Reported Collisions: 2010 through 2015, 13 total, 2 injury

Adjacent Land Use: Primarily residential

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph increment and segment meets residential density requirement of CVC 627 for a 5 mph reduction.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____


Christophe Schmeiter

Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#20 EMLINE (SUTPHEN-

GRANT) NB & SB

DATE

3/28/2016

TIME

2:05 PM

POSTED SPEED LIMIT

(no sign)

25

50TH PERCENTILE SPEED

28

85TH PERCENTILE SPEED

31

10 MPH PACE SPEED

24

TO 33

PERCENT IN PACE SPEED

80.0%

PERCENT OVER PACE SPEED

6.7%

PERCENT UNDER PACE SPEED

13.3%

RANGE OF SPEEDS

16

TO 37

VEHICLES OBSERVED

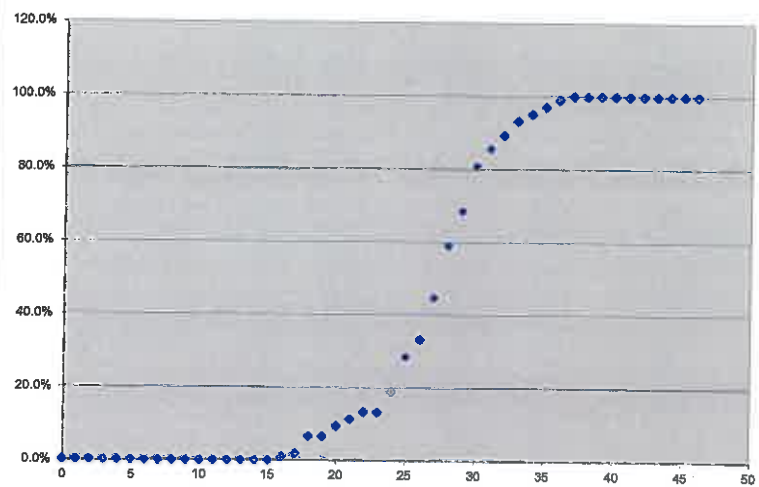
105

AVERAGE SPEED

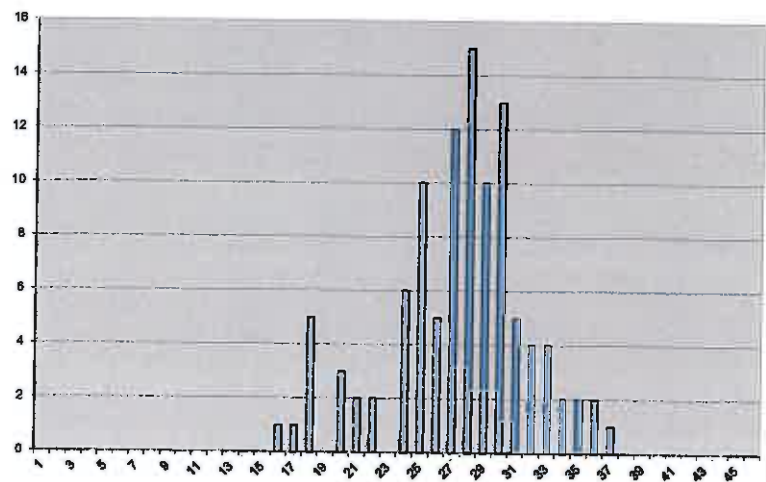
27.4

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	1	1.0%	1.0%
17	1	1.0%	1.9%
18	5	4.8%	6.7%
19	0	0.0%	6.7%
20	3	2.9%	9.5%
21	2	1.9%	11.4%
22	2	1.9%	13.3%
23	0	0.0%	13.3%
24	6	5.7%	19.0%
25	10	9.5%	28.6%
26	5	4.8%	33.3%
27	12	11.4%	44.8%
28	15	14.3%	59.0%
29	10	9.5%	68.6%
30	13	12.4%	81.0%
31	5	4.8%	85.7%
32	4	3.8%	89.5%
33	4	3.8%	93.3%
34	2	1.9%	95.2%
35	2	1.9%	97.1%
36	2	1.9%	99.0%
37	1	1.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Encinal St.

Limits: River St. to Dubois St.

City General Plan Roadway Classification: Collector

Width: 44-feet

Critical Speed (85th percentile): 28 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 14 total, 9 injury

Adjacent Land Use: Commercial/business District

Speed reduction justification: CA MUTCD 2B-13 option 2) The speed limit may be rounded down to the nearest 5 mph increment below the 85th percentile speed, if no further reduction is used. Refer to CVC 21400 (b).

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____


Christophe Schneider

Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#21 ENCINAL (RIVER-DUBOIS)

EB & WB

DATE

10/6/2016

TIME

8:55 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

25

85TH PERCENTILE SPEED

28

10 MPH PACE SPEED

19

TO 28

PERCENT IN PACE SPEED

90.0%

PERCENT OVER PACE SPEED

5.0%

PERCENT UNDER PACE SPEED

5.0%

RANGE OF SPEEDS

17

TO 34

VEHICLES OBSERVED

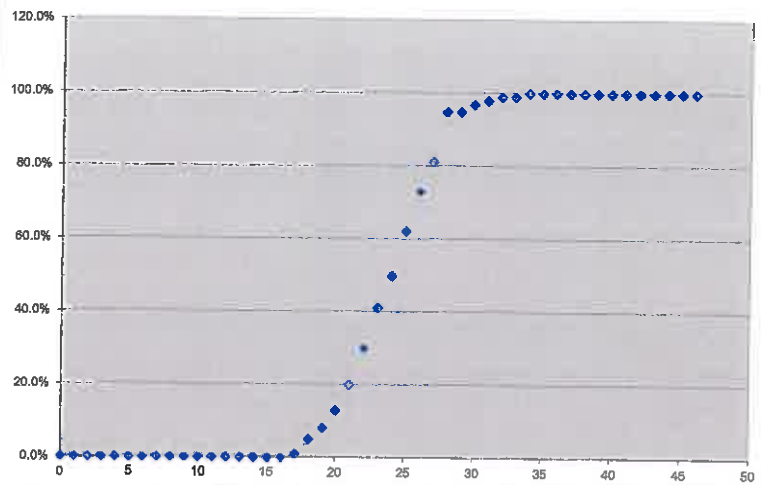
100

AVERAGE SPEED

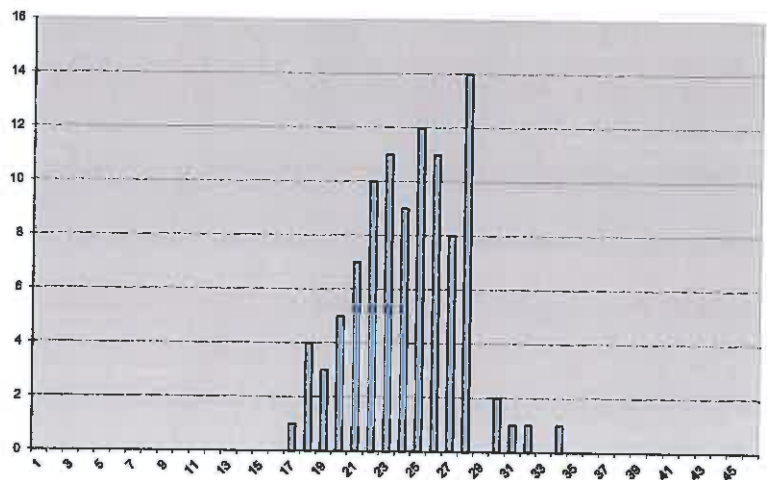
24.3

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	1	1.0%	1.0%
18	4	4.0%	5.0%
19	3	3.0%	8.0%
20	5	5.0%	13.0%
21	7	7.0%	20.0%
22	10	10.0%	30.0%
23	11	11.0%	41.0%
24	9	9.0%	50.0%
25	12	12.0%	62.0%
26	11	11.0%	73.0%
27	8	8.0%	81.0%
28	14	14.0%	95.0%
29	0	0.0%	95.0%
30	2	2.0%	97.0%
31	1	1.0%	98.0%
32	1	1.0%	99.0%
33	0	0.0%	99.0%
34	1	1.0%	100.0%
35	0	0.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





PUBLIC WORKS DEPARTMENT
Transportation Division

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Escalona Dr.

Limits: Grandview to Highland.

City General Plan Roadway Classification: Collector

Width: Varies 32 – 44 feet

Critical Speed (85th percentile): 28 mph

Unusual Conditions/Allowable Considerations per CVC:

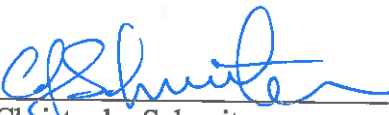
Reported Collisions: 2013 through 2017, 14 total, 7 injury

Adjacent Land Use: Residential

Speed reduction justification: CA MUTCD 2B-13 option 2) The speed limit may be rounded down to the nearest 5 mph increment below the 85th percentile speed, if no further reduction is used. Refer to CVC 21400 (b).

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____


Christophe Schneider

Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#76 ESCALONA (GRANDVIEW-

HIGHLAND) EB & WB

DATE

10/17/2016

TIME

3:42 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

24

85TH PERCENTILE SPEED

28

10 MPH PACE SPEED

20

TO 29

PERCENT IN PACE SPEED

85.1%

PERCENT OVER PACE SPEED

6.9%

PERCENT UNDER PACE SPEED

7.9%

RANGE OF SPEEDS

17

TO 38

VEHICLES OBSERVED

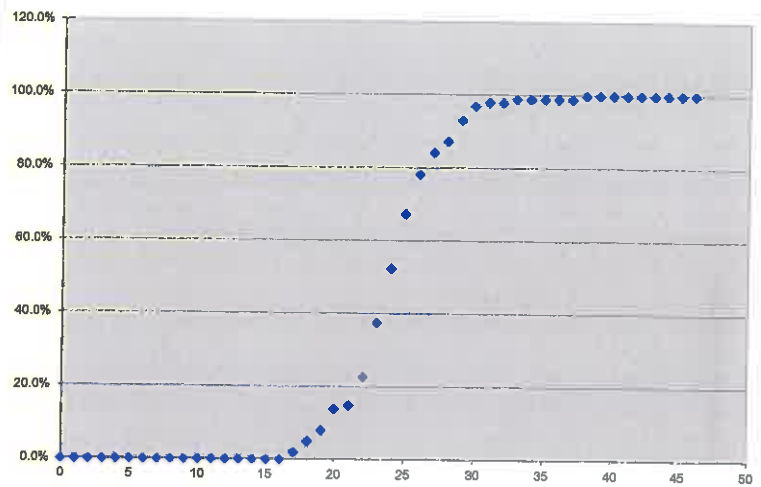
101

AVERAGE SPEED

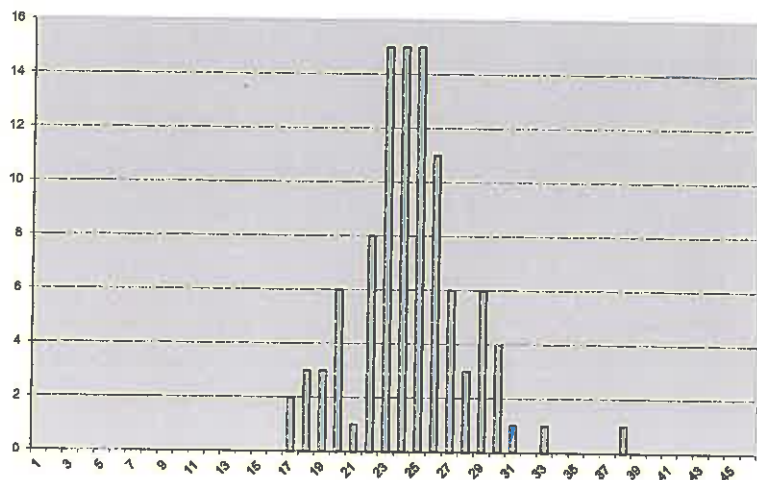
24.5

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	2	2.0%	2.0%
18	3	3.0%	5.0%
19	3	3.0%	7.9%
20	6	5.9%	13.9%
21	1	1.0%	14.9%
22	8	7.9%	22.8%
23	15	14.9%	37.6%
24	15	14.9%	52.5%
25	15	14.9%	67.3%
26	11	10.9%	78.2%
27	6	5.9%	84.2%
28	3	3.0%	87.1%
29	6	5.9%	93.1%
30	4	4.0%	97.0%
31	1	1.0%	98.0%
32	0	0.0%	98.0%
33	1	1.0%	99.0%
34	0	0.0%	99.0%
35	0	0.0%	99.0%
36	0	0.0%	99.0%
37	0	0.0%	99.0%
38	1	1.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Fair Ave.

Limits: Delaware Ave. to West Cliff

City General Plan Roadway Classification: Collector

Width: 42-feet

Critical Speed (85th percentile): 30 mph

Unusual Conditions/Allowable Considerations per CVC:

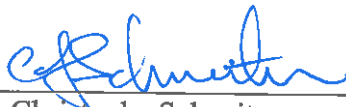
Reported Collisions: 2010 through 2015, 4 total, 4 injury

Adjacent Land Use: Residential

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph increment and segment meets residential density requirement of CVC 627 for a 5 mph reduction.

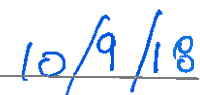
Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____


Christophe Schmeiter

Title: City Engineer

Date: _____



Vehicle Speed Survey Sheet

DIRECTIONS

#22 FAIR (DELAWARE-WEST
CLIFF) NB & SB
6/24/2016
10:42 AM
25

DATE

TIME

POSTED SPEED LIMIT

50TH PERCENTILE SPEED
85TH PERCENTILE SPEED
10 MPH PACE SPEED
PERCENT IN PACE SPEED
PERCENT OVER PACE SPEED
PERCENT UNDER PACE SPEED
RANGE OF SPEEDS
VEHICLES OBSERVED
AVERAGE SPEED

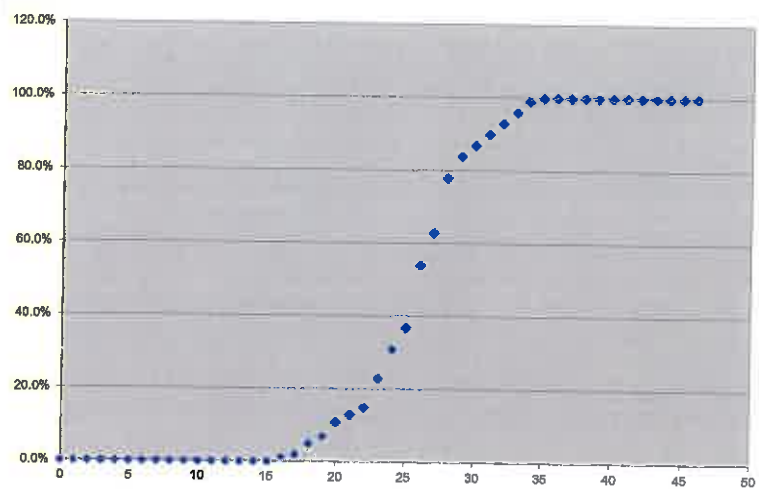
26
30
23
78.0%
7.0%
15.0%
16
100
26.1

TO 32

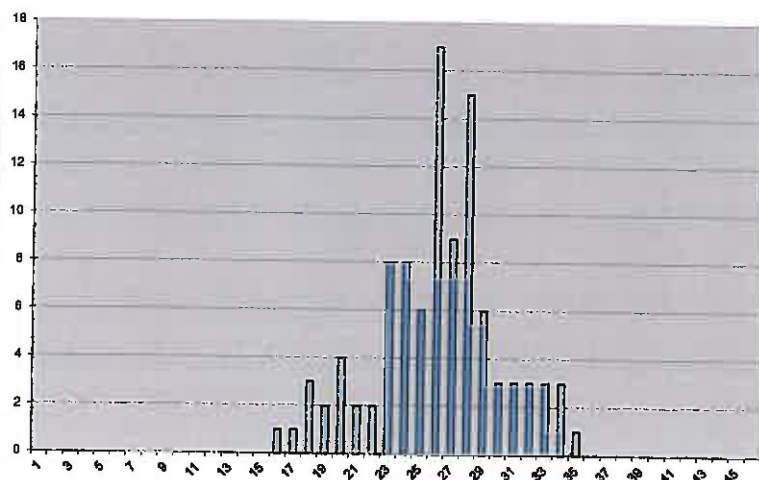
TO 35

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	1	1.0%	1.0%
17	1	1.0%	2.0%
18	3	3.0%	5.0%
19	2	2.0%	7.0%
20	4	4.0%	11.0%
21	2	2.0%	13.0%
22	2	2.0%	15.0%
23	8	8.0%	23.0%
24	8	8.0%	31.0%
25	6	6.0%	37.0%
26	17	17.0%	54.0%
27	9	9.0%	63.0%
28	15	15.0%	78.0%
29	6	6.0%	84.0%
30	3	3.0%	87.0%
31	3	3.0%	90.0%
32	3	3.0%	93.0%
33	3	3.0%	96.0%
34	3	3.0%	99.0%
35	1	1.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Fair Ave.

Limits: Delaware Ave to Mission St.

City General Plan Roadway Classification: Collector

Width: 44-feet

Critical Speed (85th percentile): 32 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 11 total, 6 injury

Adjacent Land Use: Residential /Commercial

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph increment and segment meets residential/business structure density requirement of CVC 627 for a 5 mph reduction.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____

Christophe Schneider

Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#23 FAIR (DELAWARE-

MISSION) NB & SB

DATE

7/7/2016

TIME

2 30 PM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

27

85TH PERCENTILE SPEED

32

10 MPH PACE SPEED

23

TO 32

PERCENT IN PACE SPEED

75.0%

PERCENT OVER PACE SPEED

11.0%

PERCENT UNDER PACE SPEED

14.0%

RANGE OF SPEEDS

16

TO 37

VEHICLES OBSERVED

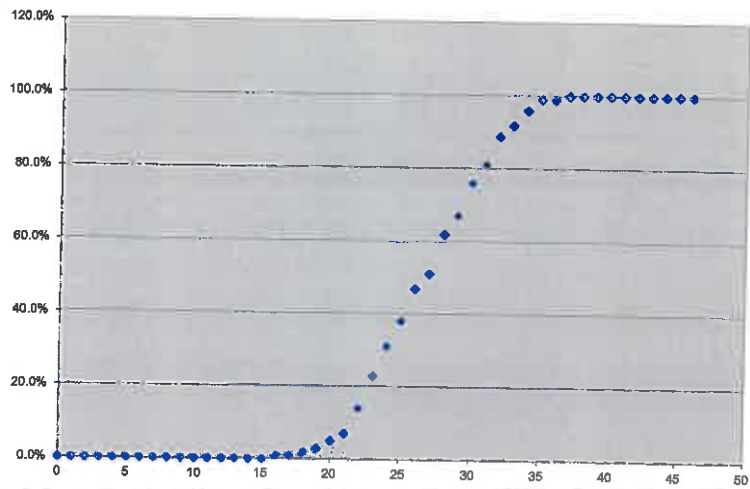
100

AVERAGE SPEED

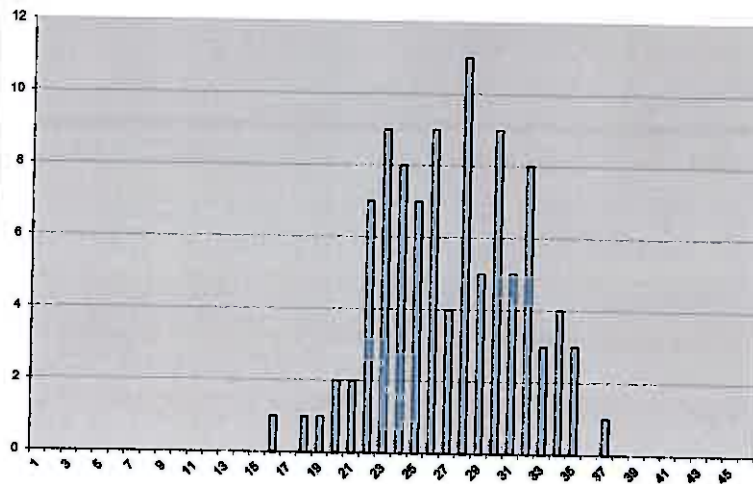
27.2

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	1	1.0%	1.0%
17	0	0.0%	1.0%
18	1	1.0%	2.0%
19	1	1.0%	3.0%
20	2	2.0%	5.0%
21	2	2.0%	7.0%
22	7	7.0%	14.0%
23	9	9.0%	23.0%
24	8	8.0%	31.0%
25	7	7.0%	38.0%
26	9	9.0%	47.0%
27	4	4.0%	51.0%
28	11	11.0%	62.0%
29	5	5.0%	67.0%
30	9	9.0%	76.0%
31	5	5.0%	81.0%
32	8	8.0%	89.0%
33	3	3.0%	92.0%
34	4	4.0%	96.0%
35	3	3.0%	99.0%
36	0	0.0%	99.0%
37	1	1.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Fairmount Ave.

Limits: N Branciforte to Rout 1 Ramp.

City General Plan Roadway Classification: Collector

Width: 35-feet

Critical Speed (85th percentile): 29 mph

Unusual Conditions/Allowable Considerations per CVC:

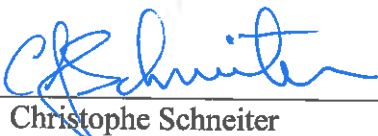
Reported Collisions: 2010 through 2015, 3 total, 1 injury

Adjacent Land Use: Residential

Speed reduction justification: CA MUTCD 2B-13 option 2) The speed limit may be rounded down to the nearest 5 mph increment below the 85th percentile speed, if no further reduction is used. Refer to CVC 21400 (b).

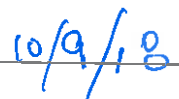
Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____


Christophe Schneider

Title: City Engineer

Date: _____



Vehicle Speed Survey Sheet

DIRECTIONS

#24 FAIRMOUNT (N.
BRANCIFORTE-RTE 1 RAMP)
EB & WB

DATE

4/25/2016

TIME

11:15 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

26

85TH PERCENTILE SPEED

29

10 MPH PACE SPEED

21

TO 30

PERCENT IN PACE SPEED

86.0%

PERCENT OVER PACE SPEED

8.0%

PERCENT UNDER PACE SPEED

6.0%

RANGE OF SPEEDS

17

TO 42

VEHICLES OBSERVED

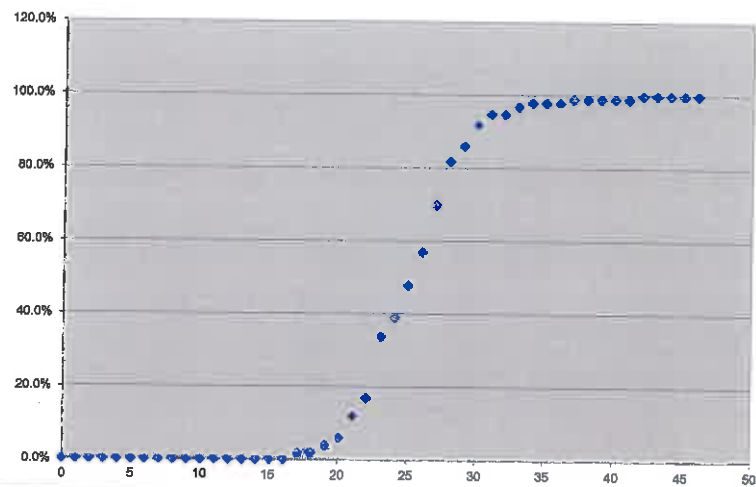
100

AVERAGE SPEED

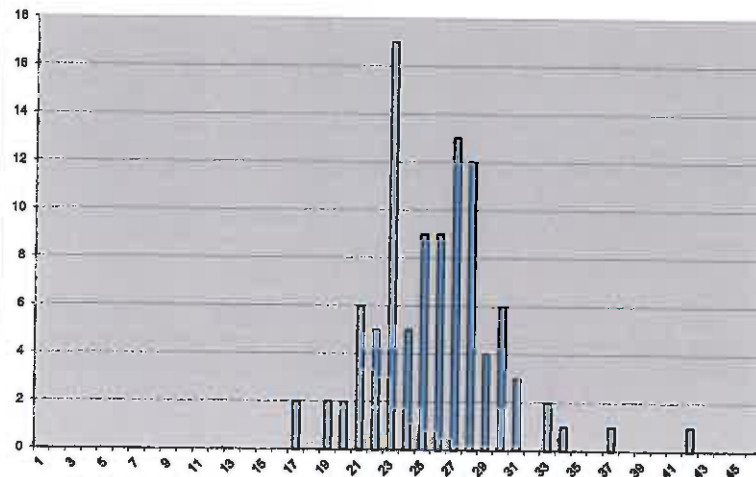
25.7

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	2	2.0%	2.0%
18	0	0.0%	2.0%
19	2	2.0%	4.0%
20	2	2.0%	6.0%
21	6	6.0%	12.0%
22	5	5.0%	17.0%
23	17	17.0%	34.0%
24	5	5.0%	39.0%
25	9	9.0%	48.0%
26	9	9.0%	57.0%
27	13	13.0%	70.0%
28	12	12.0%	82.0%
29	4	4.0%	86.0%
30	6	6.0%	92.0%
31	3	3.0%	95.0%
32	0	0.0%	95.0%
33	2	2.0%	97.0%
34	1	1.0%	98.0%
35	0	0.0%	98.0%
36	0	0.0%	98.0%
37	1	1.0%	99.0%
38	0	0.0%	99.0%
39	0	0.0%	99.0%
40	0	0.0%	99.0%
41	0	0.0%	99.0%
42	1	1.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Frederick St.

Limits: Broadway & south end.

City General Plan Roadway Classification: Collector to Windham, Local to S.

Width: 35-feet

Critical Speed (85th percentile): 27 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 2 total, 1 injury

Adjacent Land Use: Residential

Speed reduction justification: CA MUTCD 2B-13 option 2) The speed limit may be rounded down to the nearest 5 mph increment below the 85th percentile speed, if no further reduction is used. Refer to CVC 21400 (b).

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____

Christophe Schneider

Title: City Engineer

Date: _____

10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#25 FREDERICK (BROADWAY-
SOUTH END) NB & SB
4/25/2016
10:06 AM
25

DATE

TIME

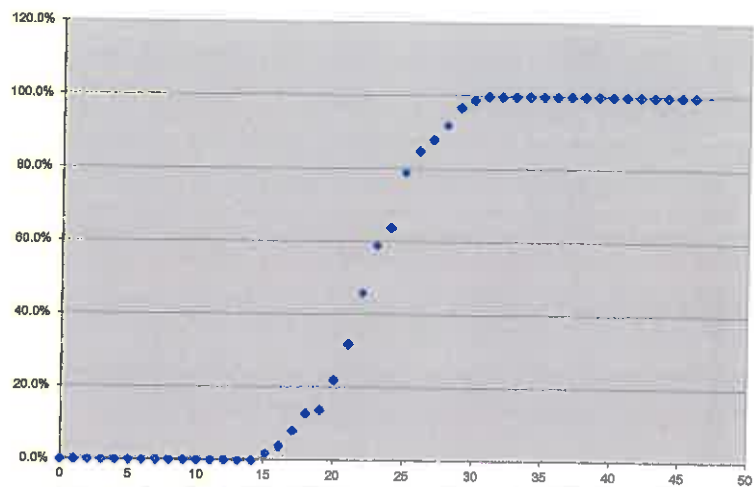
POSTED SPEED LIMIT

50TH PERCENTILE SPEED
85TH PERCENTILE SPEED
10 MPH PACE SPEED
PERCENT IN PACE SPEED
PERCENT OVER PACE SPEED
PERCENT UNDER PACE SPEED
RANGE OF SPEEDS
VEHICLES OBSERVED
AVERAGE SPEED

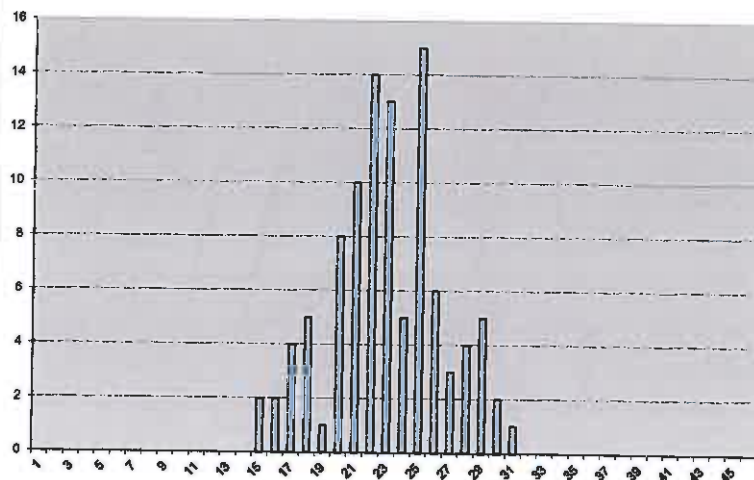
23	TO	29
27		
20		
83.0%		
3.0%		
14.0%		
15	TO	31
100		
23.0		

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	2	2.0%	2.0%
16	2	2.0%	4.0%
17	4	4.0%	8.0%
18	5	5.0%	13.0%
19	1	1.0%	14.0%
20	8	8.0%	22.0%
21	10	10.0%	32.0%
22	14	14.0%	46.0%
23	13	13.0%	59.0%
24	5	5.0%	64.0%
25	15	15.0%	79.0%
26	6	6.0%	85.0%
27	3	3.0%	88.0%
28	4	4.0%	92.0%
29	5	5.0%	97.0%
30	2	2.0%	99.0%
31	1	1.0%	100.0%
32	0	0.0%	100.0%
33	0	0.0%	100.0%
34	0	0.0%	100.0%
35	0	0.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Frederick St.

Limits: Broadway & Soquel Ave.

City General Plan Roadway Classification: Collector

Width: 38-feet

Critical Speed (85th percentile): 30 mph

Unusual Conditions/Allowable Considerations per CVC:

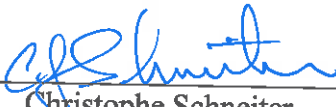
Reported Collisions: 2010 through 2015, 13 total, 9 injury

Adjacent Land Use: Residential with Senior Center and Medical Facility

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph increment and segment meets residential/business structure density requirement of CVC 627 for a 5 mph reduction.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____


Christophe Schneider

Title: City Engineer

Date: _____

10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#26 FREDERICK (BROADWAY-

SOQUEL) NB & SB

DATE

11/16/2015

TIME

11:50 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

28

85TH PERCENTILE SPEED

30

10 MPH PACE SPEED

22

TO 31

PERCENT IN PACE SPEED

87.0%

PERCENT OVER PACE SPEED

11.0%

PERCENT UNDER PACE SPEED

2.0%

RANGE OF SPEEDS

19

TO 37

VEHICLES OBSERVED

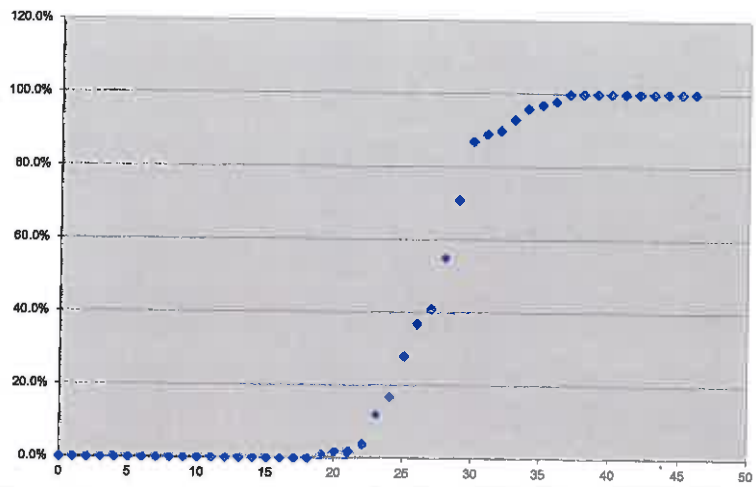
100

AVERAGE SPEED

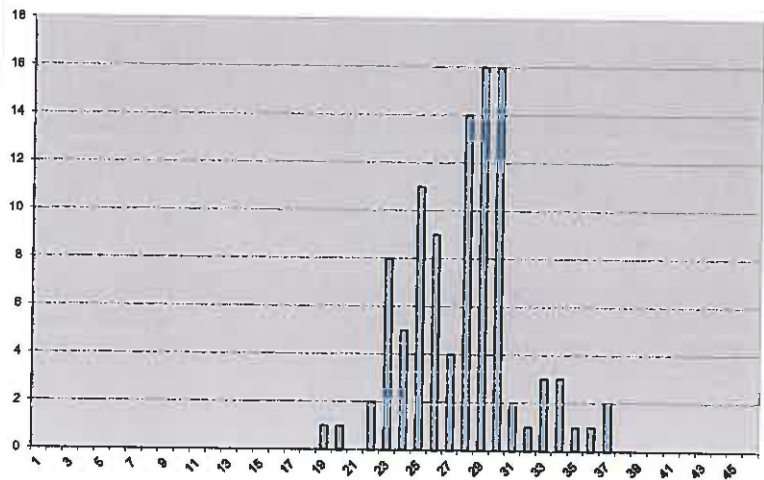
27.8

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	0	0.0%	0.0%
18	0	0.0%	0.0%
19	1	1.0%	1.0%
20	1	1.0%	2.0%
21	0	0.0%	2.0%
22	2	2.0%	4.0%
23	8	8.0%	12.0%
24	5	5.0%	17.0%
25	11	11.0%	28.0%
26	9	9.0%	37.0%
27	4	4.0%	41.0%
28	14	14.0%	55.0%
29	16	16.0%	71.0%
30	16	16.0%	87.0%
31	2	2.0%	89.0%
32	1	1.0%	90.0%
33	3	3.0%	93.0%
34	3	3.0%	96.0%
35	1	1.0%	97.0%
36	1	1.0%	98.0%
37	2	2.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Front St.

Limits: Pacific Ave. & Mission St.

City General Plan Roadway Classification: Arterial

Width: 49-feet

Critical Speed (85th percentile): 25 mph

Unusual Conditions/Allowable Considerations per CVC:

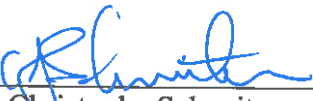
Reported Collisions: 2013 through 2017, 83 total, 21 injury, 1 fatal

Adjacent Land Use: Commercial, Mixed-use

Speed reduction justification: None required.

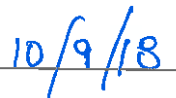
Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____


Christophe Schneider

Title: City Engineer

Date: _____



Vehicle Speed Survey Sheet

DIRECTIONS

#120 FRONT ST. (PACIFIC-

MISSION) NB & SB

DATE

10/25/2017

TIME

10:49 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

23

85TH PERCENTILE SPEED

25

10 MPH PACE SPEED

18

TO 27

PERCENT IN PACE SPEED

85.0%

PERCENT OVER PACE SPEED

3.3%

PERCENT UNDER PACE SPEED

11.7%

RANGE OF SPEEDS

15

TO 30

VEHICLES OBSERVED

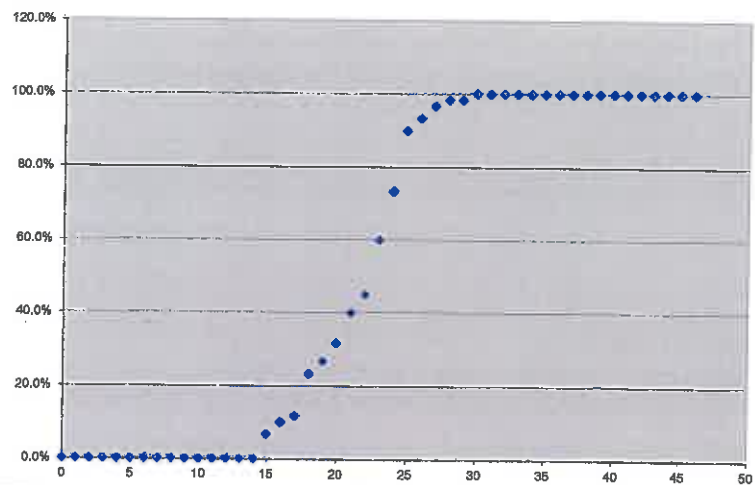
60

AVERAGE SPEED

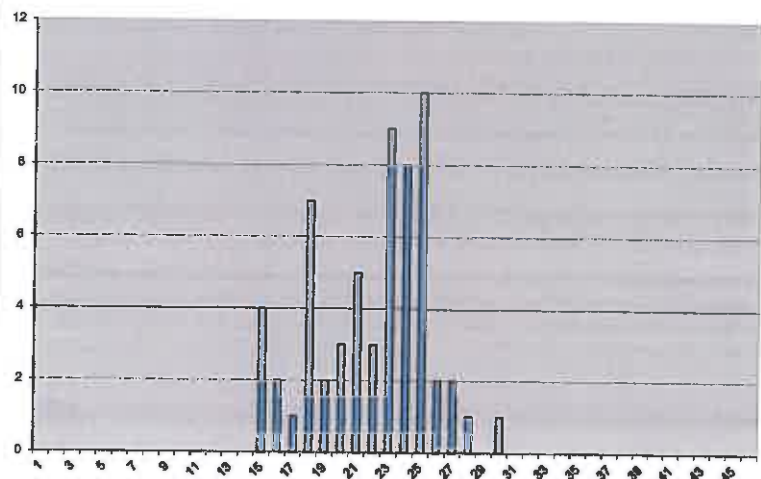
22.0

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	4	6.7%	6.7%
16	2	3.3%	10.0%
17	1	1.7%	11.7%
18	7	11.7%	23.3%
19	2	3.3%	26.7%
20	3	5.0%	31.7%
21	5	8.3%	40.0%
22	3	5.0%	45.0%
23	9	15.0%	60.0%
24	8	13.3%	73.3%
25	10	16.7%	90.0%
26	2	3.3%	93.3%
27	2	3.3%	96.7%
28	1	1.7%	98.3%
29	0	0.0%	98.3%
30	1	1.7%	100.0%
31	0	0.0%	100.0%
32	0	0.0%	100.0%
33	0	0.0%	100.0%
34	0	0.0%	100.0%
35	0	0.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Goss Ave.

Limits: N Branciforte Ave & Elk St.

City General Plan Roadway Classification: Collector

Width: 35-feet

Critical Speed (85th percentile): 22 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2013 through 2017, 1 total, 0 injury

Adjacent Land Use: Residential

Speed reduction justification: None required

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____


Christophe Schneider

Title: City Engineer

Date: _____

10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#122 GOSS AV. (ELK-N.

BRANCIFORTE) EB & WB

DATE

10/18/2017

TIME

11:30 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

18

85TH PERCENTILE SPEED

22

10 MPH PACE SPEED

15

TO 24

PERCENT IN PACE SPEED

98.3%

PERCENT OVER PACE SPEED

1.7%

PERCENT UNDER PACE SPEED

0.0%

RANGE OF SPEEDS

15

TO 28

VEHICLES OBSERVED

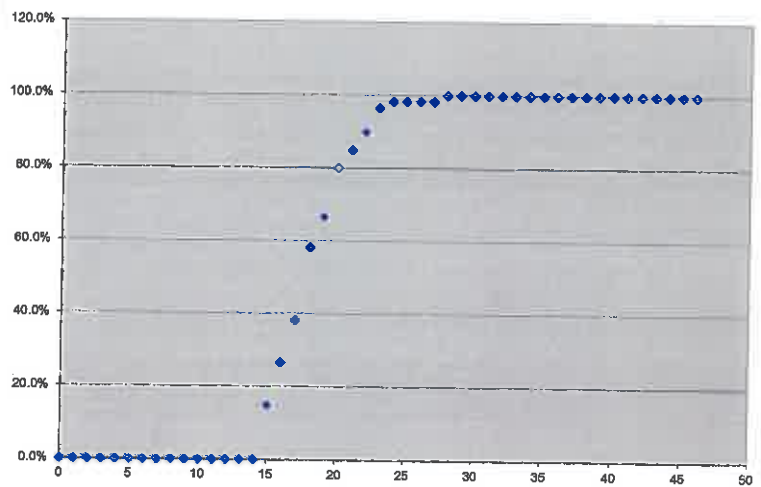
60

AVERAGE SPEED

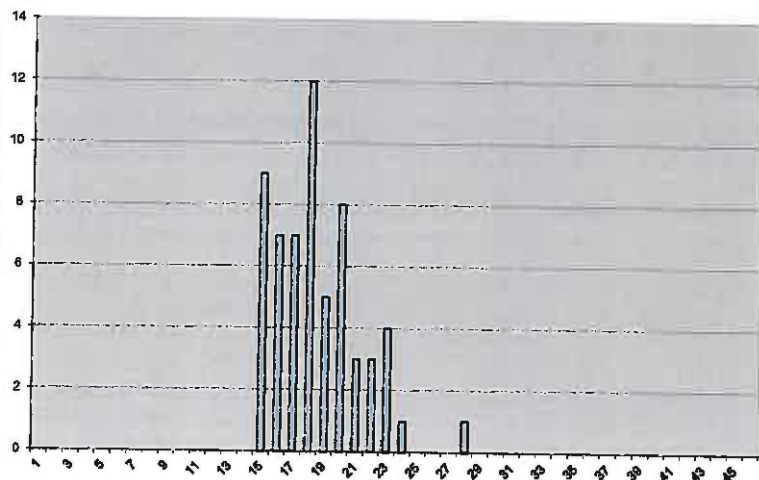
18.5

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	9	15.0%	15.0%
16	7	11.7%	26.7%
17	7	11.7%	38.3%
18	12	20.0%	58.3%
19	5	8.3%	66.7%
20	8	13.3%	80.0%
21	3	5.0%	85.0%
22	3	5.0%	90.0%
23	4	6.7%	96.7%
24	1	1.7%	98.3%
25	0	0.0%	98.3%
26	0	0.0%	98.3%
27	0	0.0%	98.3%
28	1	1.7%	100.0%
29	0	0.0%	100.0%
30	0	0.0%	100.0%
31	0	0.0%	100.0%
32	0	0.0%	100.0%
33	0	0.0%	100.0%
34	0	0.0%	100.0%
35	0	0.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





PUBLIC WORKS DEPARTMENT
Transportation Division

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Graham Hill Road

Limits: Ocean St. & Graham Hill Rd at City Limit

City General Plan Roadway Classification: Arterial

Width: Varies 28 to 35-feet

Critical Speed (85th percentile): 36 mph

Unusual Conditions/Allowable Considerations per CVC:

Short street segments were combined due to the individual sections acting as a continuous roadway and to satisfy CA MUTCD 2B-13 Engineering and Traffic Survey, Item I, regarding short speed zones.

Reported Collisions: 2010 through 2015, 11 total, 3 injury

Adjacent Land Use: Residential, Public Facilities, Public/Admin Offices

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph increment and segment meets residential density requirement and pedestrian and bicyclist safety of CVC 627 for a 5 mph reduction.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **30 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____

Christophe Schneider

Title: City Engineer

Date: _____

10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#27 GRAHAM HILL (OCEAN-

CITY LIMIT) NB & SB

DATE

4/21/2016

TIME

1:55 AM

POSTED SPEED LIMIT

30

50TH PERCENTILE SPEED

32

85TH PERCENTILE SPEED

36

10 MPH PACE SPEED

28

TO 37

PERCENT IN PACE SPEED

75.0%

PERCENT OVER PACE SPEED

7.0%

PERCENT UNDER PACE SPEED

18.0%

RANGE OF SPEEDS

20

TO 46

VEHICLES OBSERVED

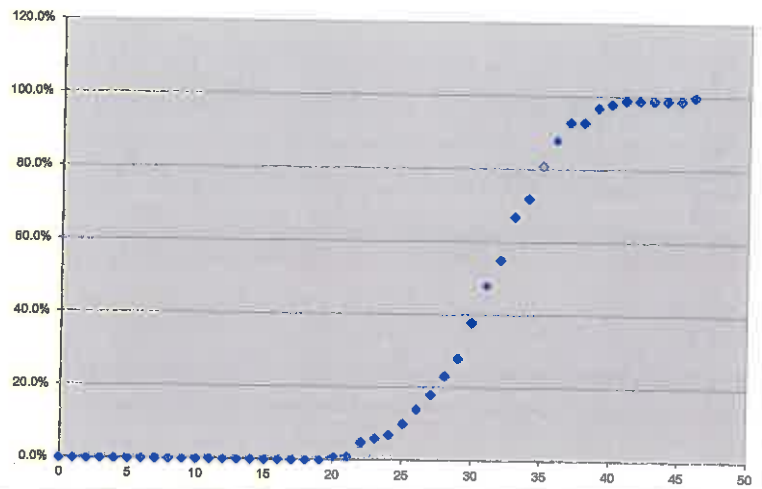
100

AVERAGE SPEED

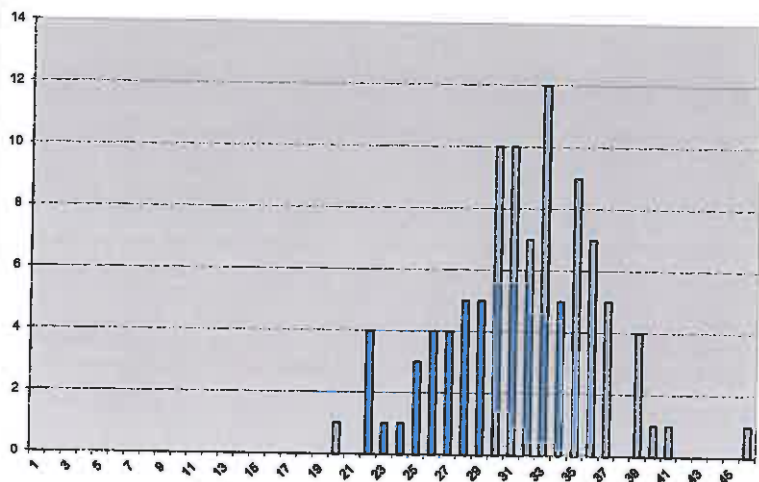
31.6

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	0	0.0%	0.0%
18	0	0.0%	0.0%
19	0	0.0%	0.0%
20	1	1.0%	1.0%
21	0	0.0%	1.0%
22	4	4.0%	5.0%
23	1	1.0%	6.0%
24	1	1.0%	7.0%
25	3	3.0%	10.0%
26	4	4.0%	14.0%
27	4	4.0%	18.0%
28	5	5.0%	23.0%
29	5	5.0%	28.0%
30	10	10.0%	38.0%
31	10	10.0%	48.0%
32	7	7.0%	55.0%
33	12	12.0%	67.0%
34	5	5.0%	72.0%
35	9	9.0%	81.0%
36	7	7.0%	88.0%
37	5	5.0%	93.0%
38	0	0.0%	93.0%
39	4	4.0%	97.0%
40	1	1.0%	98.0%
41	1	1.0%	99.0%
42	0	0.0%	99.0%
43	0	0.0%	99.0%
44	0	0.0%	99.0%
45	0	0.0%	99.0%
46	1	1.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Grandview St.

Limits: Arroyo Seco & Swift St.

City General Plan Roadway Classification: Collector

Width: 40-feet

Critical Speed (85th percentile): 24 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2013 through 2017, 1 total, 0 injury

Adjacent Land Use: Residential

Speed reduction justification: None required

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____

Christophe Schneider

Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#123 GRANDVIEW ST.
(ARROYO SECO-SWIFT) EB &
WB

DATE

10/27/2017

TIME

9:48 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

22

85TH PERCENTILE SPEED

24

10 MPH PACE SPEED

16

TO 25

PERCENT IN PACE SPEED

94.1%

PERCENT OVER PACE SPEED

5.9%

PERCENT UNDER PACE SPEED

0.0%

RANGE OF SPEEDS

16

TO 27

VEHICLES OBSERVED

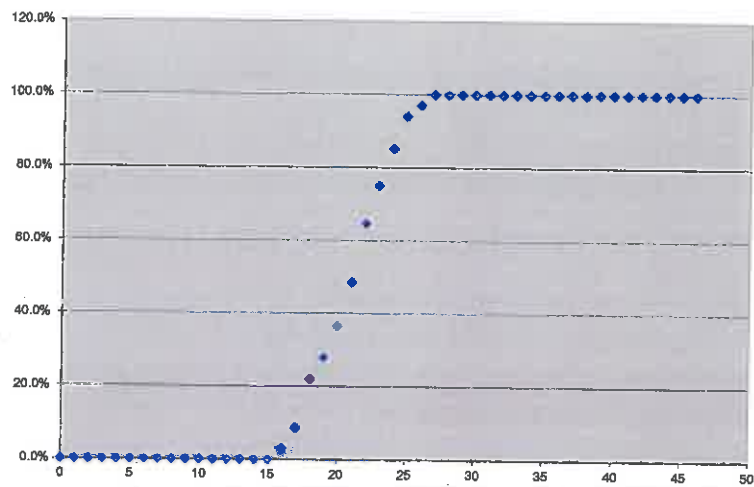
68

AVERAGE SPEED

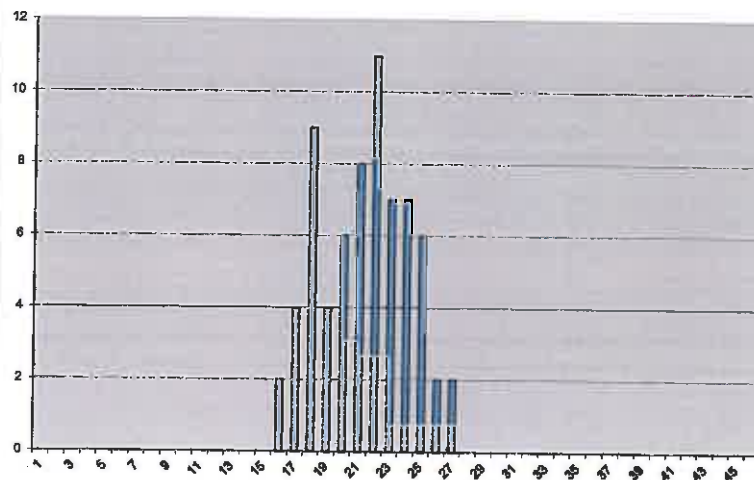
21.4

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	2	2.9%	2.9%
17	4	5.9%	8.8%
18	9	13.2%	22.1%
19	4	5.9%	27.9%
20	6	8.8%	36.8%
21	8	11.8%	48.5%
22	11	16.2%	64.7%
23	7	10.3%	75.0%
24	7	10.3%	85.3%
25	6	8.8%	94.1%
26	2	2.9%	97.1%
27	2	2.9%	100.0%
28	0	0.0%	100.0%
29	0	0.0%	100.0%
30	0	0.0%	100.0%
31	0	0.0%	100.0%
32	0	0.0%	100.0%
33	0	0.0%	100.0%
34	0	0.0%	100.0%
35	0	0.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Grant St.

Limits: Plymouth St & Market St.

City General Plan Roadway Classification: Collector

Width: 38-feet

Critical Speed (85th percentile): 30 mph

Unusual Conditions/Allowable Considerations per CVC:

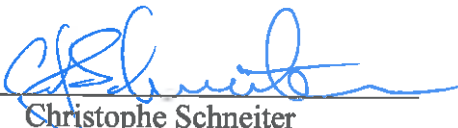
Reported Collisions: 2010 through 2015, 12 total, 5 injury

Adjacent Land Use: Residential, Public Park

Speed reduction justification: CA MUTCD 2B-13 1) segment meets residential density requirement of CVC 627 for a 5 mph reduction.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____


Christophe Schneider

Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#28 GRANT (PLYMOUTH-

MARKET) EB & WB

DATE

12/18/2015

TIME

11:25 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

25

85TH PERCENTILE SPEED

30

10 MPH PACE SPEED

19

TO 28

PERCENT IN PACE SPEED

76.9%

PERCENT OVER PACE SPEED

19.2%

PERCENT UNDER PACE SPEED

3.8%

RANGE OF SPEEDS

15

TO 35

VEHICLES OBSERVED

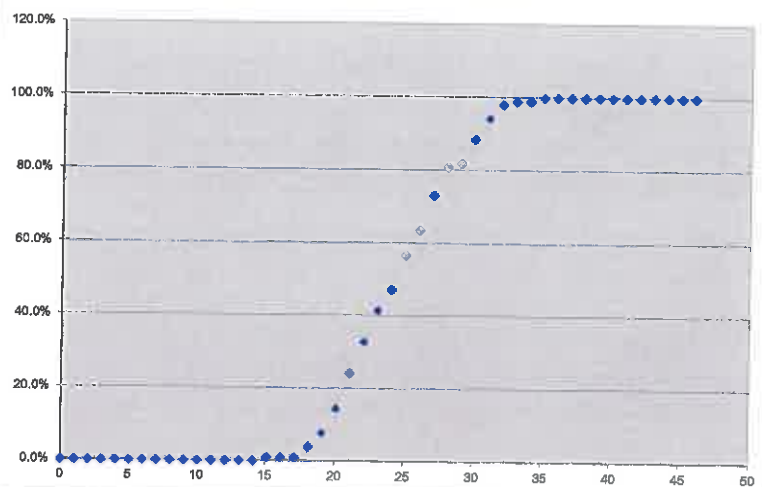
104

AVERAGE SPEED

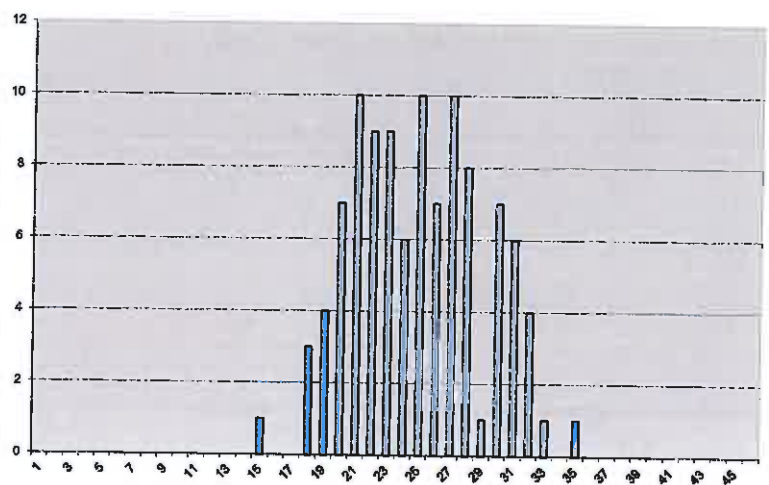
24.9

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	1	1.0%	1.0%
16	0	0.0%	1.0%
17	0	0.0%	1.0%
18	3	2.9%	3.8%
19	4	3.8%	7.7%
20	7	6.7%	14.4%
21	10	9.6%	24.0%
22	9	8.7%	32.7%
23	9	8.7%	41.3%
24	6	5.8%	47.1%
25	10	9.6%	56.7%
26	7	6.7%	63.5%
27	10	9.6%	73.1%
28	8	7.7%	80.8%
29	1	1.0%	81.7%
30	7	6.7%	88.5%
31	6	5.8%	94.2%
32	4	3.8%	98.1%
33	1	1.0%	99.0%
34	0	0.0%	99.0%
35	1	1.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: High St.

Limits: Bay Drive & City Limit.

City General Plan Roadway Classification: Arterial

Width: 40-feet

Critical Speed (85th percentile): 36 mph

Unusual Conditions/Allowable Considerations per CVC:

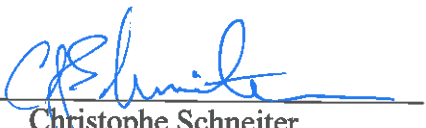
Reported Collisions: 2010 through 2015, 7 total, 6 injury

Adjacent Land Use: Residential, University

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph increment and segment meets residential density requirement of CVC 627 for a 5 mph reduction.

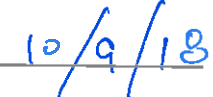
Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **30 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____


Christophe Schneider

Title: City Engineer

Date: _____



Vehicle Speed Survey Sheet

DIRECTIONS

#29 HIGH (BAY-CITY LIMIT)

EB/WB

DATE

8/6/2015

TIME

1:34 PM

POSTED SPEED LIMIT

30

50TH PERCENTILE SPEED

32

85TH PERCENTILE SPEED

36

10 MPH PACE SPEED

27

TO 36

PERCENT IN PACE SPEED

79.0%

PERCENT OVER PACE SPEED

12.0%

PERCENT UNDER PACE SPEED

9.0%

RANGE OF SPEEDS

21

TO 44

VEHICLES OBSERVED

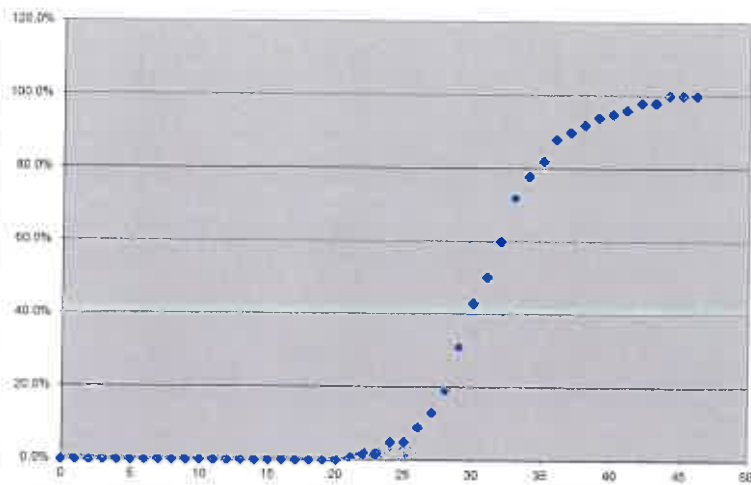
100

AVERAGE SPEED

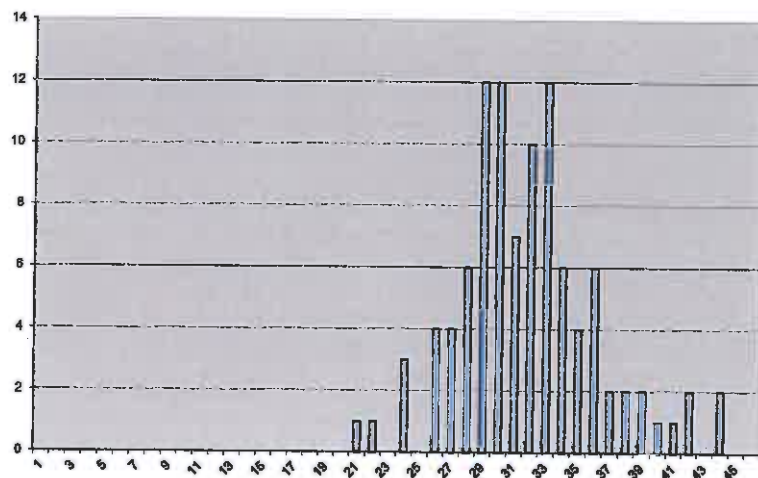
31.8

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	0	0.0%	0.0%
18	0	0.0%	0.0%
19	0	0.0%	0.0%
20	0	0.0%	0.0%
21	1	1.0%	1.0%
22	1	1.0%	2.0%
23	0	0.0%	2.0%
24	3	3.0%	5.0%
25	0	0.0%	5.0%
26	4	4.0%	9.0%
27	4	4.0%	13.0%
28	6	6.0%	19.0%
29	12	12.0%	31.0%
30	12	12.0%	43.0%
31	7	7.0%	50.0%
32	10	10.0%	60.0%
33	12	12.0%	72.0%
34	6	6.0%	78.0%
35	4	4.0%	82.0%
36	6	6.0%	88.0%
37	2	2.0%	90.0%
38	2	2.0%	92.0%
39	2	2.0%	94.0%
40	1	1.0%	95.0%
41	1	1.0%	96.0%
42	2	2.0%	98.0%
43	0	0.0%	98.0%
44	2	2.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: High St.

Limits: Bay Drive & Laurent St.

City General Plan Roadway Classification: Arterial

Width: 40-feet

Critical Speed (85th percentile): 36 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 14 total, 7 injury

Adjacent Land Use: Residential, Elementary School, Churches

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph and reduce by 5 mph for pedestrian and bicyclist safety per CVC 627.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **30 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____

Christophe Schneider

Title: City Engineer

Date: _____

10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#30 HIGH (BAY-LAURENT)

RB/WB

DATE

7/31/2015

TIME

10:48 PM

POSTED SPEED LIMIT

30

50TH PERCENTILE SPEED

32

85TH PERCENTILE SPEED

36

10 MPH PACE SPEED

28

TO 37

PERCENT IN PACE SPEED

84.0%

PERCENT OVER PACE SPEED

10.0%

PERCENT UNDER PACE SPEED

6.0%

RANGE OF SPEEDS

24

TO 43

VEHICLES OBSERVED

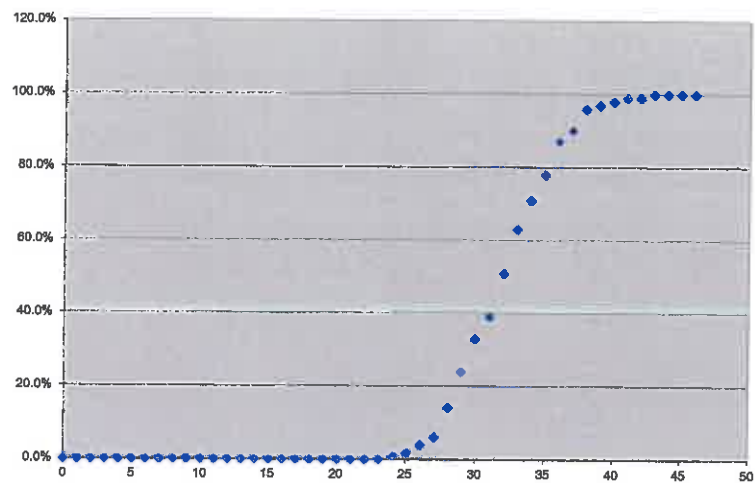
100

AVERAGE SPEED

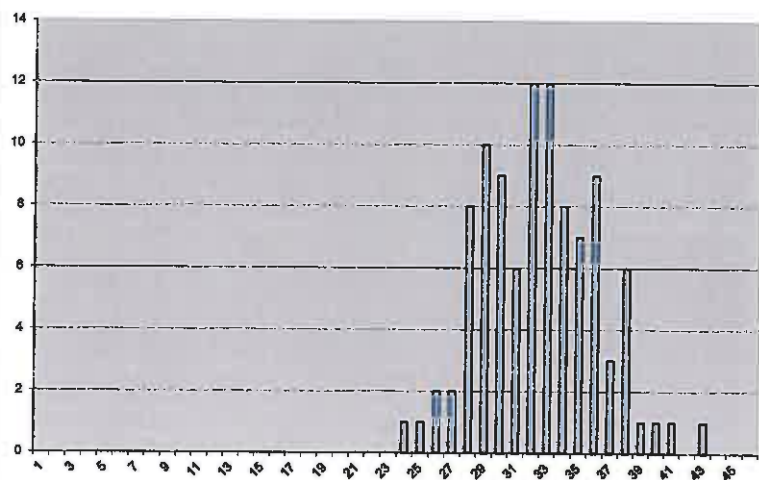
32.5

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	0	0.0%	0.0%
18	0	0.0%	0.0%
19	0	0.0%	0.0%
20	0	0.0%	0.0%
21	0	0.0%	0.0%
22	0	0.0%	0.0%
23	0	0.0%	0.0%
24	1	1.0%	1.0%
25	1	1.0%	2.0%
26	2	2.0%	4.0%
27	2	2.0%	6.0%
28	8	8.0%	14.0%
29	10	10.0%	24.0%
30	9	9.0%	33.0%
31	6	6.0%	39.0%
32	12	12.0%	51.0%
33	12	12.0%	63.0%
34	8	8.0%	71.0%
35	7	7.0%	78.0%
36	9	9.0%	87.0%
37	3	3.0%	90.0%
38	6	6.0%	96.0%
39	1	1.0%	97.0%
40	1	1.0%	98.0%
41	1	1.0%	99.0%
42	0	0.0%	99.0%
43	1	1.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: High St.

Limits: Storey St. & Laurent St.

City General Plan Roadway Classification: Arterial

Width: 36-feet

Critical Speed (85th percentile): 35 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 5 total, 4 injury

Adjacent Land Use: Residential

Speed reduction justification: CA MUTCD 2B-13 Segment meets residential density requirement of CVC 627 for a 5 mph reduction.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **30 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#31 HIGH (STOREY-LAURENT)

EB/WB

DATE

8/5/2015

TIME

9:53 AM

POSTED SPEED LIMIT

30

50TH PERCENTILE SPEED

31

85TH PERCENTILE SPEED

35

10 MPH PACE SPEED

28

TO 37

PERCENT IN PACE SPEED

91.0%

PERCENT OVER PACE SPEED

1.0%

PERCENT UNDER PACE SPEED

8.0%

RANGE OF SPEEDS

23

TO 38

VEHICLES OBSERVED

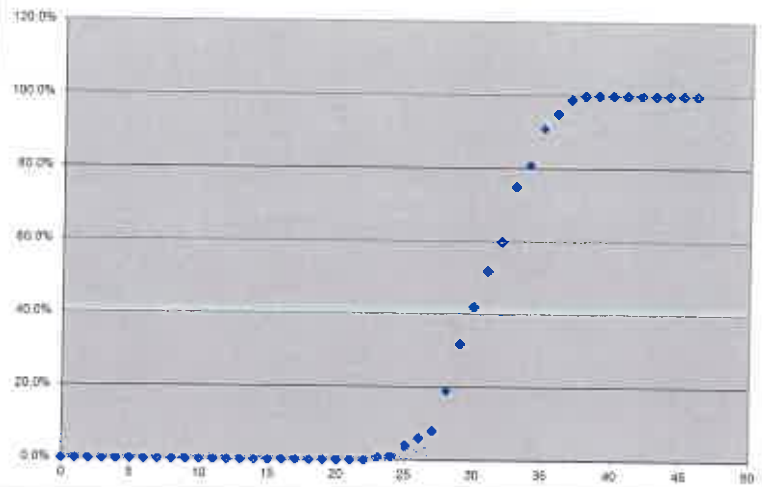
100

AVERAGE SPEED

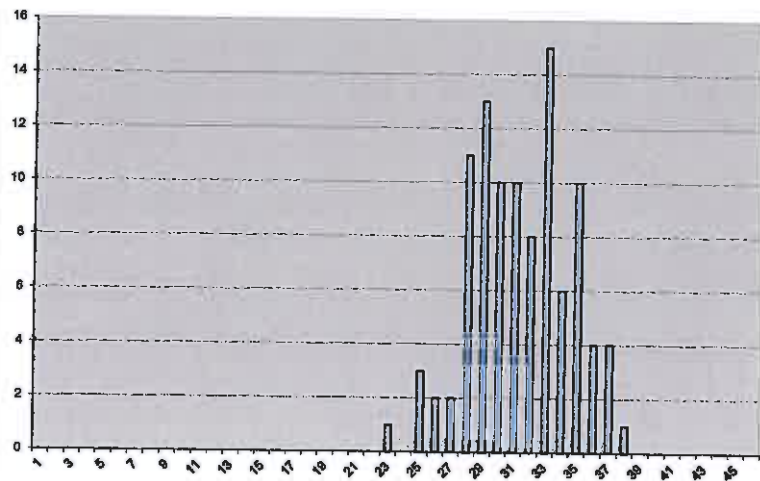
31.3

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	0	0.0%	0.0%
18	0	0.0%	0.0%
19	0	0.0%	0.0%
20	0	0.0%	0.0%
21	0	0.0%	0.0%
22	0	0.0%	0.0%
23	1	1.0%	1.0%
24	0	0.0%	1.0%
25	3	3.0%	4.0%
26	2	2.0%	6.0%
27	2	2.0%	8.0%
28	11	11.0%	19.0%
29	13	13.0%	32.0%
30	10	10.0%	42.0%
31	10	10.0%	52.0%
32	8	8.0%	60.0%
33	15	15.0%	75.0%
34	6	6.0%	81.0%
35	10	10.0%	91.0%
36	4	4.0%	95.0%
37	4	4.0%	99.0%
38	1	1.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: High St.

Limits: Storey St. & Hwy 1.

City General Plan Roadway Classification: Arterial (Story to Highland), Local

Width: 36-feet

Critical Speed (85th percentile): 26 mph

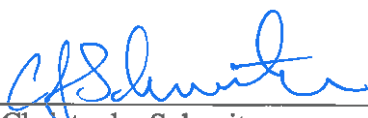
Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2013 through 2017, 10 total, 4 injury

Adjacent Land Use: Residential

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph increment.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

HIGH (STOREY - HWY 1) EB
& WB

DATE

10/27/2017

TIME

9:48 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

23

85TH PERCENTILE SPEED

26

10 MPH PACE SPEED

19

TO 28

PERCENT IN PACE SPEED

93.4%

PERCENT OVER PACE SPEED

4.9%

PERCENT UNDER PACE SPEED

1.6%

RANGE OF SPEEDS

18

TO 30

VEHICLES OBSERVED

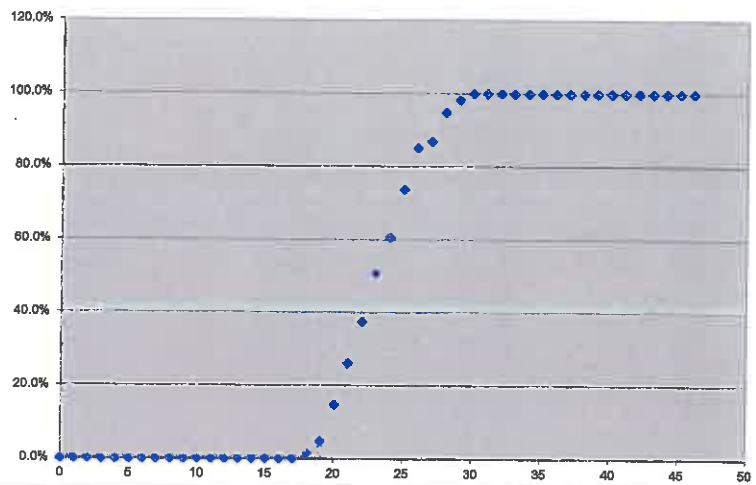
61

AVERAGE SPEED

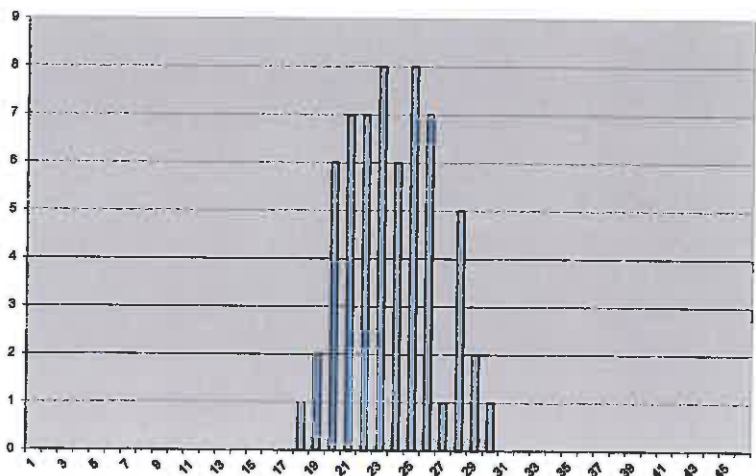
23.6

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	0	0.0%	0.0%
18	1	1.6%	1.6%
19	2	3.3%	4.9%
20	6	9.8%	14.8%
21	7	11.5%	26.2%
22	7	11.5%	37.7%
23	8	13.1%	50.8%
24	6	9.8%	60.7%
25	8	13.1%	73.8%
26	7	11.5%	85.2%
27	1	1.6%	86.9%
28	5	8.2%	95.1%
29	2	3.3%	98.4%
30	1	1.6%	100.0%
31	0	0.0%	100.0%
32	0	0.0%	100.0%
33	0	0.0%	100.0%
34	0	0.0%	100.0%
35	0	0.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Highland Ave.

Limits: Spring St & Mission St.

City General Plan Roadway Classification: Collector

Width: 25-48-feet

Critical Speed (85th percentile): 30 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2013 through 2017, 10 total, 1 injury

Adjacent Land Use: Residential, Church

Speed reduction justification: CA MUTCD 2B-13 Segment meets residential density requirement of CVC 627 for a 5 mph reduction.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#127 HIGHLAND AVENUE

(SPRING MISSION) EB & WB

DATE

12/6/2017

TIME

10:47 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

24

85TH PERCENTILE SPEED

30

10 MPH PACE SPEED

19

TO 28

PERCENT IN PACE SPEED

71.2%

PERCENT OVER PACE SPEED

16.7%

PERCENT UNDER PACE SPEED

12.1%

RANGE OF SPEEDS

15

TO 38

VEHICLES OBSERVED

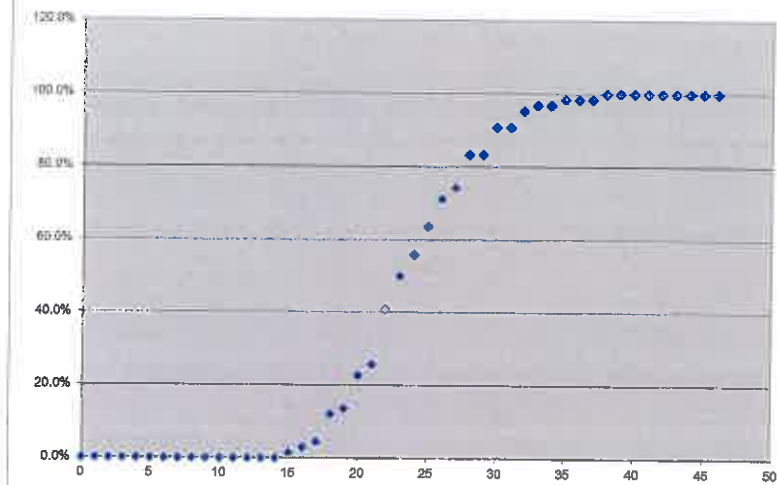
66

AVERAGE SPEED

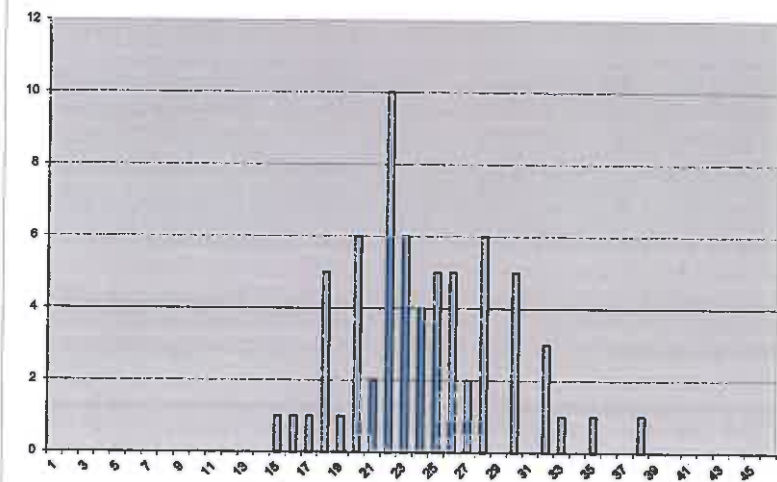
24.3

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	1	1.5%	1.5%
16	1	1.5%	3.0%
17	1	1.5%	4.5%
18	5	7.6%	12.1%
19	1	1.5%	13.6%
20	6	9.1%	22.7%
21	2	3.0%	25.8%
22	10	15.2%	40.9%
23	6	9.1%	50.0%
24	4	6.1%	56.1%
25	5	7.6%	63.6%
26	5	7.6%	71.2%
27	2	3.0%	74.2%
28	6	9.1%	83.3%
29	0	0.0%	83.3%
30	5	7.6%	90.9%
31	0	0.0%	90.9%
32	3	4.5%	95.5%
33	1	1.5%	97.0%
34	0	0.0%	97.0%
35	1	1.5%	98.5%
36	0	0.0%	98.5%
37	0	0.0%	98.5%
38	1	1.5%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Isbel Dr.

Limits: Bartlett S. & Carbonera Dr.

City General Plan Roadway Classification: Collector

Width: 40-feet

Critical Speed (85th percentile): 31 mph

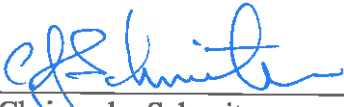
Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 1 total, 0 injury

Adjacent Land Use: Residential

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph increment and segment meets residential density requirement of CVC 627 for a 5 mph reduction.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#32 ISBEL (BARTLETT-

CARBONERA) NB & SB

DATE

11/19/2015

TIME

1:45 PM

POSTED SPEED LIMIT

30

50TH PERCENTILE SPEED

27

85TH PERCENTILE SPEED

31

10 MPH PACE SPEED

23

TO 32

PERCENT IN PACE SPEED

82.2%

PERCENT OVER PACE SPEED

7.9%

PERCENT UNDER PACE SPEED

9.9%

RANGE OF SPEEDS

15

TO 39

VEHICLES OBSERVED

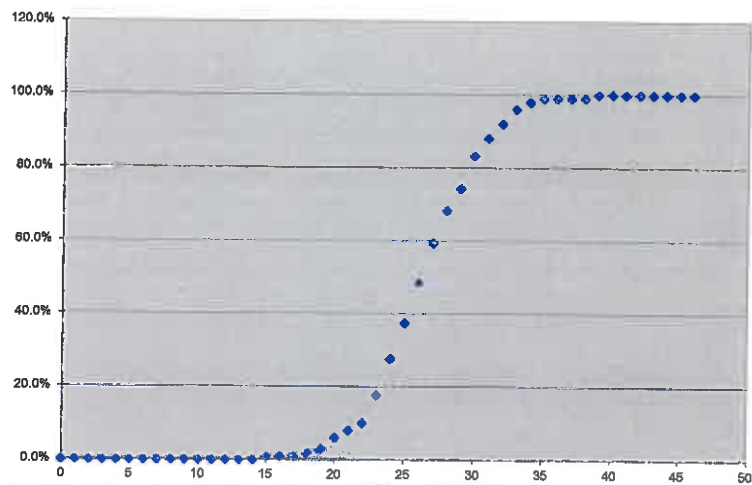
101

AVERAGE SPEED

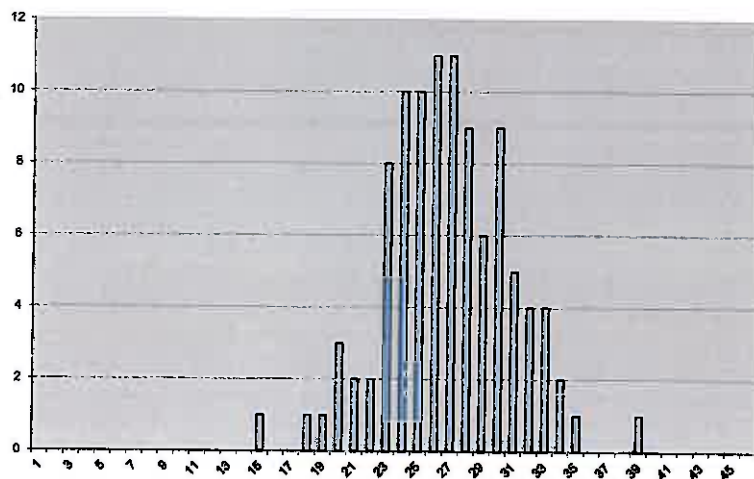
26.8

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	1	1.0%	1.0%
16	0	0.0%	1.0%
17	0	0.0%	1.0%
18	1	1.0%	2.0%
19	1	1.0%	3.0%
20	3	3.0%	5.9%
21	2	2.0%	7.9%
22	2	2.0%	9.9%
23	8	7.9%	17.8%
24	10	9.9%	27.7%
25	10	9.9%	37.6%
26	11	10.9%	48.5%
27	11	10.9%	59.4%
28	9	8.9%	68.3%
29	6	5.9%	74.3%
30	9	8.9%	83.2%
31	5	5.0%	88.1%
32	4	4.0%	92.1%
33	4	4.0%	96.0%
34	2	2.0%	98.0%
35	1	1.0%	99.0%
36	0	0.0%	99.0%
37	0	0.0%	99.0%
38	0	0.0%	99.0%
39	1	1.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Isbel Dr.

Limits: Bartlett Way & Market St.

City General Plan Roadway Classification: Collector

Width: 24-feet

Critical Speed (85th percentile): 29 mph

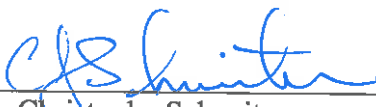
Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2013 through 2017, 2 total, 0 injury

Adjacent Land Use: Residential

Speed reduction justification: CA MUTCD 2B-13 option 2) The speed limit may be rounded down to the nearest 5 mph increment below the 85th percentile speed, if no further reduction is used. Refer to CVC 21400 (b).

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#130 ISBEL (BARTLETT-

MARKET) NB & SB

DATE

10/25/2017

TIME

8:47 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

25

85TH PERCENTILE SPEED

29

10 MPH PACE SPEED

20

TO 29

PERCENT IN PACE SPEED

88.3%

PERCENT OVER PACE SPEED

10.0%

PERCENT UNDER PACE SPEED

1.7%

RANGE OF SPEEDS

19

TO 37

VEHICLES OBSERVED

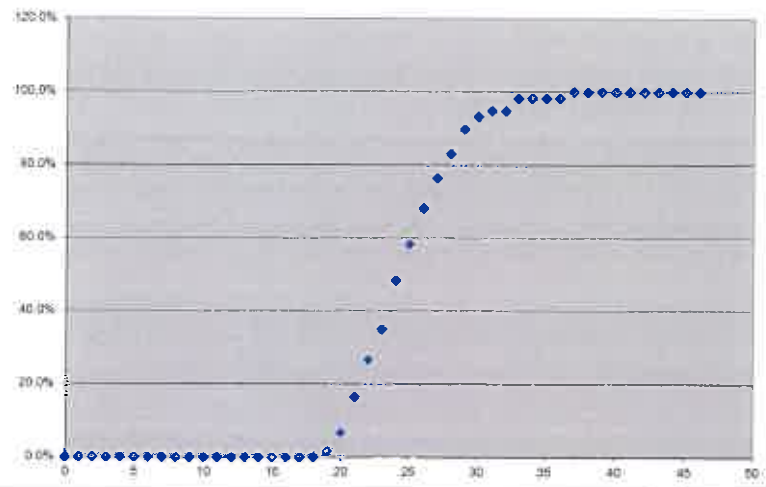
60

AVERAGE SPEED

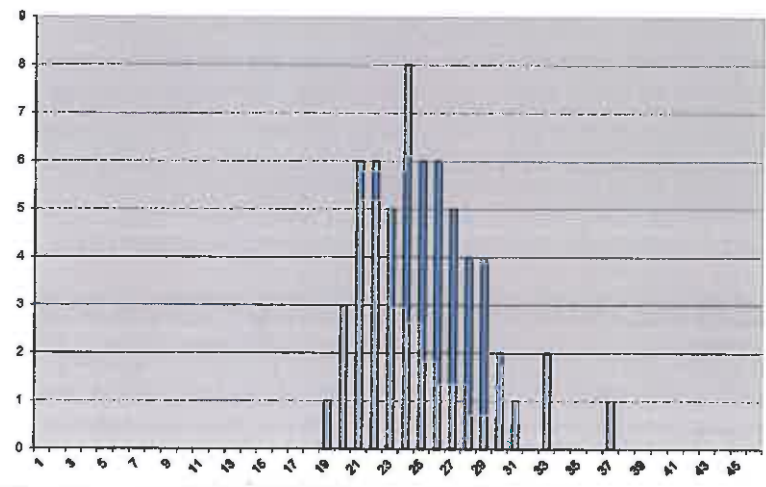
25.1

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	0	0.0%	0.0%
18	0	0.0%	0.0%
19	1	1.7%	1.7%
20	3	5.0%	6.7%
21	6	10.0%	16.7%
22	6	10.0%	26.7%
23	5	8.3%	35.0%
24	8	13.3%	48.3%
25	6	10.0%	58.3%
26	6	10.0%	68.3%
27	5	8.3%	76.7%
28	4	6.7%	83.3%
29	4	6.7%	90.0%
30	2	3.3%	93.3%
31	1	1.7%	95.0%
32	0	0.0%	95.0%
33	2	3.3%	98.3%
34	0	0.0%	98.3%
35	0	0.0%	98.3%
36	0	0.0%	98.3%
37	1	1.7%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: King St.

Limits: Mission St. N & S Ends.

City General Plan Roadway Classification: Collector

Width: 36-feet

Critical Speed (85th percentile): 26 mph

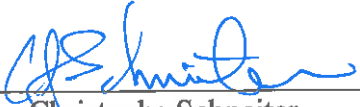
Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 33 total, 17 injury, 2 fatal

Adjacent Land Use: Residential, (Middle) School Zone

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph increment.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#33 KING (MISSION BOTH N &

S ENDS) WB & EB

DATE

11/25/2015

TIME

11:29 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

22

85TH PERCENTILE SPEED

26

10 MPH PACE SPEED

18

TO 27

PERCENT IN PACE SPEED

88.0%

PERCENT OVER PACE SPEED

8.0%

PERCENT UNDER PACE SPEED

4.0%

RANGE OF SPEEDS

15

TO 32

VEHICLES OBSERVED

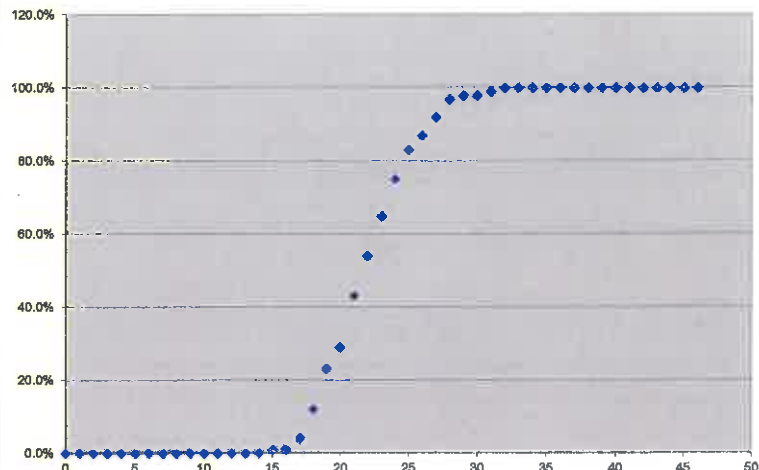
100

AVERAGE SPEED

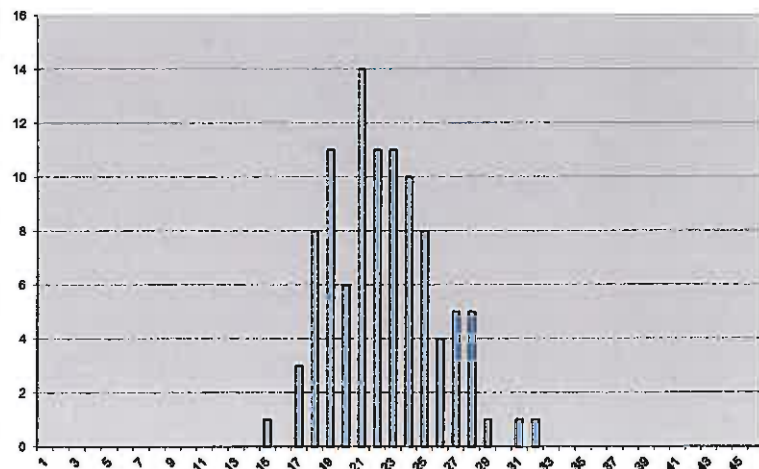
22.4

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	1	1.0%	1.0%
16	0	0.0%	1.0%
17	3	3.0%	4.0%
18	8	8.0%	12.0%
19	11	11.0%	23.0%
20	6	6.0%	29.0%
21	14	14.0%	43.0%
22	11	11.0%	54.0%
23	11	11.0%	65.0%
24	10	10.0%	75.0%
25	8	8.0%	83.0%
26	4	4.0%	87.0%
27	5	5.0%	92.0%
28	5	5.0%	97.0%
29	1	1.0%	98.0%
30	0	0.0%	98.0%
31	1	1.0%	99.0%
32	1	1.0%	100.0%
33	0	0.0%	100.0%
34	0	0.0%	100.0%
35	0	0.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: La Fonda Ave.

Limits: Oak Way & Soquel Ave.

City General Plan Roadway Classification: Collector

Width: 34-feet

Critical Speed (85th percentile): 32 mph

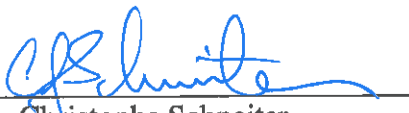
Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 9 total, 5 injury

Adjacent Land Use: Residential, (High) School Zone

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph increment and reduce by 5 mph for pedestrian and bicyclist safety per CVC 627.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#34 LAFONDA (OAK &

SOQUEL) NB & SB

DATE

5/23/2016

TIME

10:28 AM

POSTED SPEED LIMIT

(no sign)

25

50TH PERCENTILE SPEED

28

85TH PERCENTILE SPEED

32

10 MPH PACE SPEED

23

TO 32

PERCENT IN PACE SPEED

77.7%

PERCENT OVER PACE SPEED

13.6%

PERCENT UNDER PACE SPEED

8.7%

TO 39

RANGE OF SPEEDS

18

VEHICLES OBSERVED

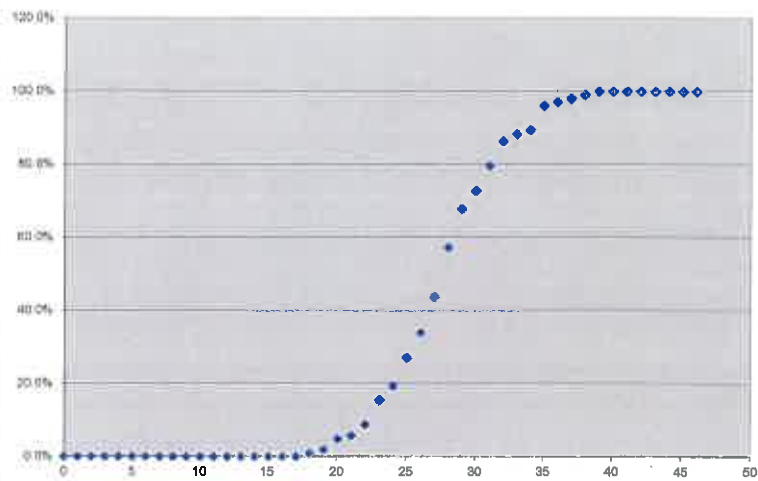
103

AVERAGE SPEED

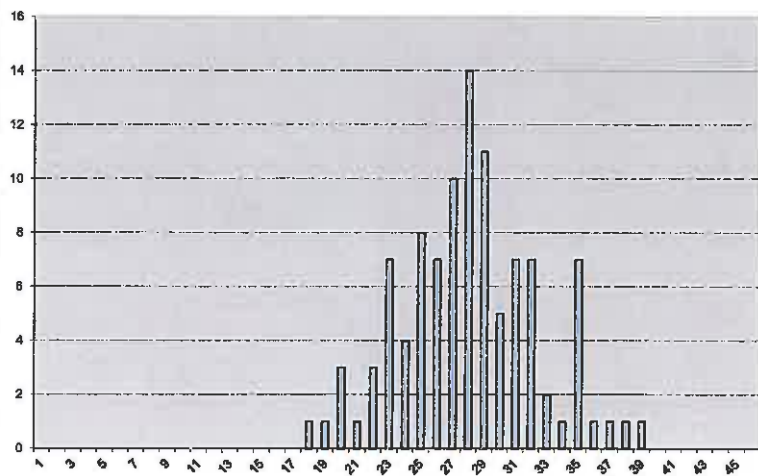
28.1

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	0	0.0%	0.0%
18	1	1.0%	1.0%
19	1	1.0%	1.9%
20	3	2.9%	4.9%
21	1	1.0%	5.8%
22	3	2.9%	8.7%
23	7	6.8%	15.5%
24	4	3.9%	19.4%
25	8	7.8%	27.2%
26	7	6.8%	34.0%
27	10	9.7%	43.7%
28	14	13.6%	57.3%
29	11	10.7%	68.0%
30	5	4.9%	72.8%
31	7	6.8%	79.6%
32	7	6.8%	86.4%
33	2	1.9%	88.3%
34	1	1.0%	89.3%
35	7	6.8%	96.1%
36	1	1.0%	97.1%
37	1	1.0%	98.1%
38	1	1.0%	99.0%
39	1	1.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: La Fonda Ave.

Limits: Oak Way & Prospect Heights.

City General Plan Roadway Classification: Collector

Width: 34-feet

Critical Speed (85th percentile): 30 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 1 total, 1 injury

Adjacent Land Use: Residential

Speed reduction justification: CA MUTCD 2B-13 Segment meets residential density requirement of CVC 627 for a 5 mph reduction.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneiter
Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#35 LA FONDA (OAK-
PROSPECT HEIGHTS) NB &
SB

DATE

5/13/2016

TIME

11:47 AM

POSTED SPEED LIMIT

(no sign) 25

50TH PERCENTILE SPEED

25

85TH PERCENTILE SPEED

30

10 MPH PACE SPEED

21

TO 30

PERCENT IN PACE SPEED

87.0%

PERCENT OVER PACE SPEED

6.5%

PERCENT UNDER PACE SPEED

6.5%

RANGE OF SPEEDS

18

TO 38

VEHICLES OBSERVED

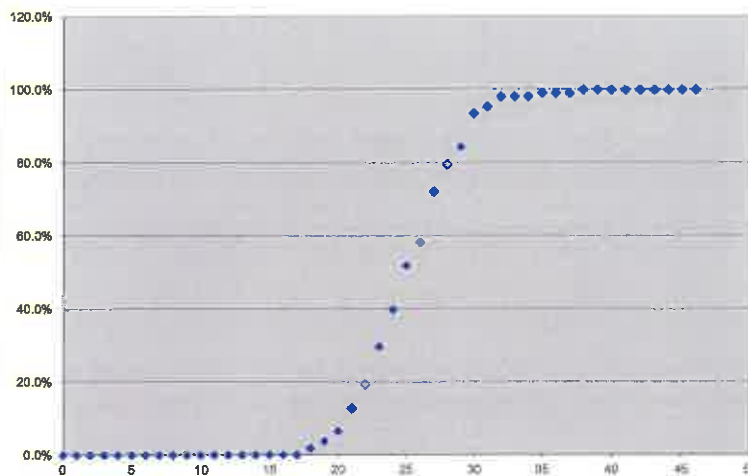
108

AVERAGE SPEED

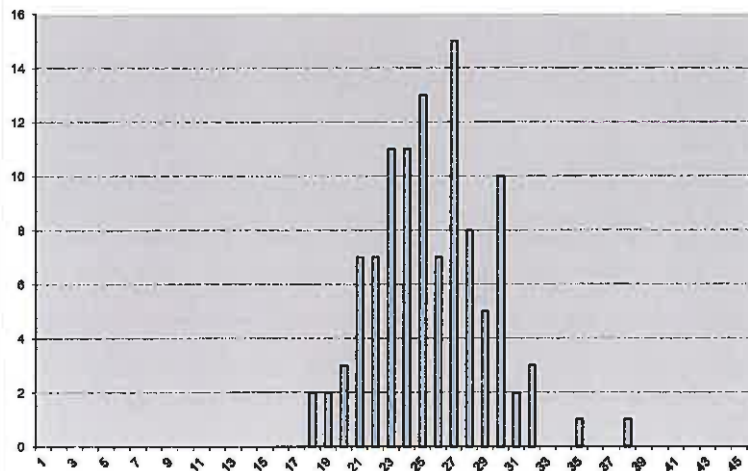
25.6

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	0	0.0%	0.0%
18	2	1.9%	1.9%
19	2	1.9%	3.7%
20	3	2.8%	6.5%
21	7	6.5%	13.0%
22	7	6.5%	19.4%
23	11	10.2%	29.6%
24	11	10.2%	39.8%
25	13	12.0%	51.9%
26	7	6.5%	58.3%
27	15	13.9%	72.2%
28	8	7.4%	79.6%
29	5	4.6%	84.3%
30	10	9.3%	93.5%
31	2	1.9%	95.4%
32	3	2.8%	98.1%
33	0	0.0%	98.1%
34	0	0.0%	98.1%
35	1	0.9%	99.1%
36	0	0.0%	99.1%
37	0	0.0%	99.1%
38	1	0.9%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Laurel St.

Limits: Mission St. & King St.

City General Plan Roadway Classification: Collector

Width: 38-feet

Critical Speed (85th percentile): 25 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 2 total, 0 injury

Adjacent Land Use: Residential

Speed reduction justification: None required

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 

Christophe Schneider

Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#36 LAUREL (MISSION-KING)

NB & SB

DATE

11/25/2015

TIME

10:15 AM

POSTED SPEED LIMIT

no sign

25

50TH PERCENTILE SPEED

22

85TH PERCENTILE SPEED

25

10 MPH PACE SPEED

17

TO 26

PERCENT IN PACE SPEED

88.5%

PERCENT OVER PACE SPEED

5.8%

PERCENT UNDER PACE SPEED

5.8%

RANGE OF SPEEDS

15

TO 31

VEHICLES OBSERVED

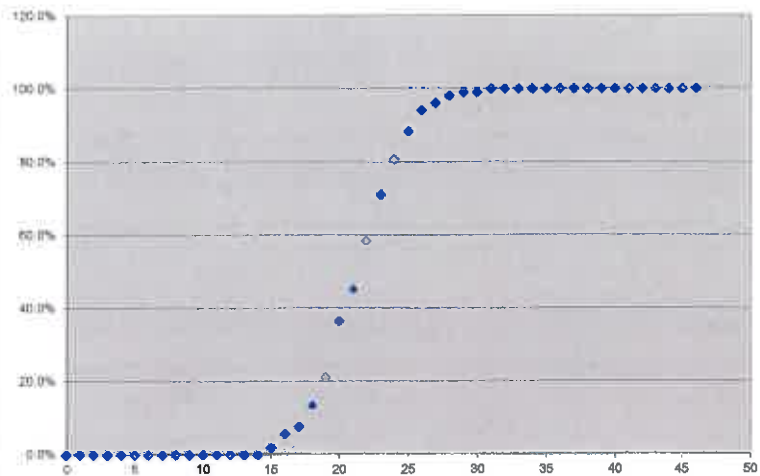
104

AVERAGE SPEED

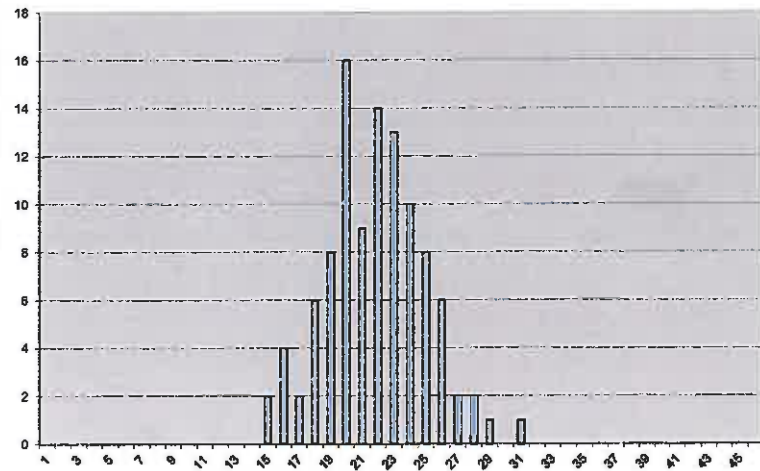
21.8

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	2	1.9%	1.9%
16	4	3.8%	5.8%
17	2	1.9%	7.7%
18	6	5.8%	13.5%
19	8	7.7%	21.2%
20	16	15.4%	36.5%
21	9	8.7%	45.2%
22	14	13.5%	58.7%
23	13	12.5%	71.2%
24	10	9.6%	80.8%
25	8	7.7%	88.5%
26	6	5.8%	94.2%
27	2	1.9%	96.2%
28	2	1.9%	98.1%
29	1	1.0%	99.0%
30	0	0.0%	99.0%
31	1	1.0%	100.0%
32	0	0.0%	100.0%
33	0	0.0%	100.0%
34	0	0.0%	100.0%
35	0	0.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Laurel St.

Limits: Mission St. & Front St.

City General Plan Roadway Classification: Arterial

Width: 44-feet

Critical Speed (85th percentile): 28 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 75 total, 55 injury

Adjacent Land Use: Business, Residential, (High) School Zone

Speed reduction justification: CA MUTCD 2B-13 option 2) The speed limit may be rounded down to the nearest 5 mph increment below the 85th percentile speed, if no further reduction is used. Refer to CVC 21400 (b).

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____

Christophe Schneider

Title: City Engineer

Date: _____

10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#37 LAUREL (MISSION-

FRONT) NB & SB

DATE

11/25/2015

TIME

9:45 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

25

85TH PERCENTILE SPEED

28

10 MPH PACE SPEED

20

TO 29

PERCENT IN PACE SPEED

86.0%

PERCENT OVER PACE SPEED

10.0%

PERCENT UNDER PACE SPEED

4.0%

RANGE OF SPEEDS

18

TO 39

VEHICLES OBSERVED

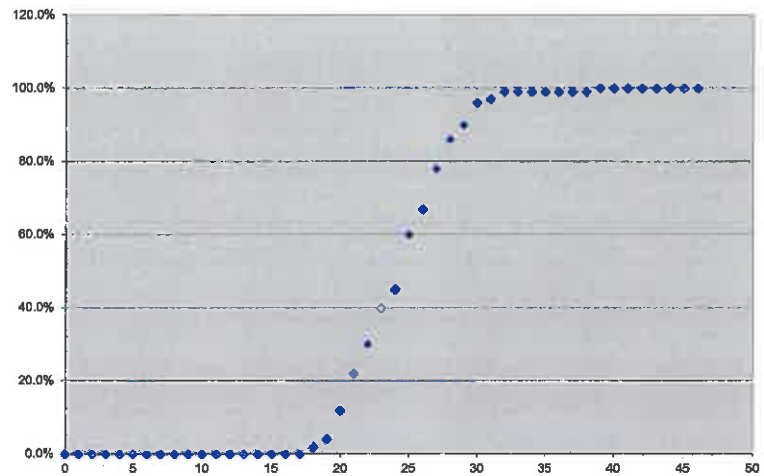
100

AVERAGE SPEED

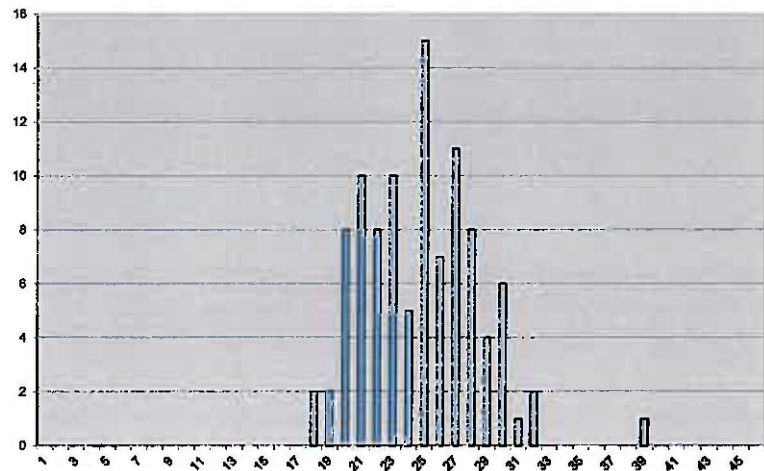
24.8

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	0	0.0%	0.0%
18	2	2.0%	2.0%
19	2	2.0%	4.0%
20	8	8.0%	12.0%
21	10	10.0%	22.0%
22	8	8.0%	30.0%
23	10	10.0%	40.0%
24	5	5.0%	45.0%
25	15	15.0%	60.0%
26	7	7.0%	67.0%
27	11	11.0%	78.0%
28	8	8.0%	86.0%
29	4	4.0%	90.0%
30	6	6.0%	96.0%
31	1	1.0%	97.0%
32	2	2.0%	99.0%
33	0	0.0%	99.0%
34	0	0.0%	99.0%
35	0	0.0%	99.0%
36	0	0.0%	99.0%
37	0	0.0%	99.0%
38	0	0.0%	99.0%
39	1	1.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Laurent St.

Limits: High St. & King St.

City General Plan Roadway Classification: Collector

Width: Varies 26-36 feet

Critical Speed (85th percentile): 31 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2013 through 2017, 3 total, 2 injury

Adjacent Land Use: Residential

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph increment and segment meets residential density requirement of CVC 627 for a 5 mph reduction.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/13

Vehicle Speed Survey Sheet

DIRECTIONS

#133 LAURENT (HIGH-KING)

NB & SB

DATE

10/30/2017

TIME

2:26 PM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

25

85TH PERCENTILE SPEED

31

10 MPH PACE SPEED

22

TO 31

PERCENT IN PACE SPEED

73.3%

PERCENT OVER PACE SPEED

11.7%

PERCENT UNDER PACE SPEED

15.0%

RANGE OF SPEEDS

16

TO 42

VEHICLES OBSERVED

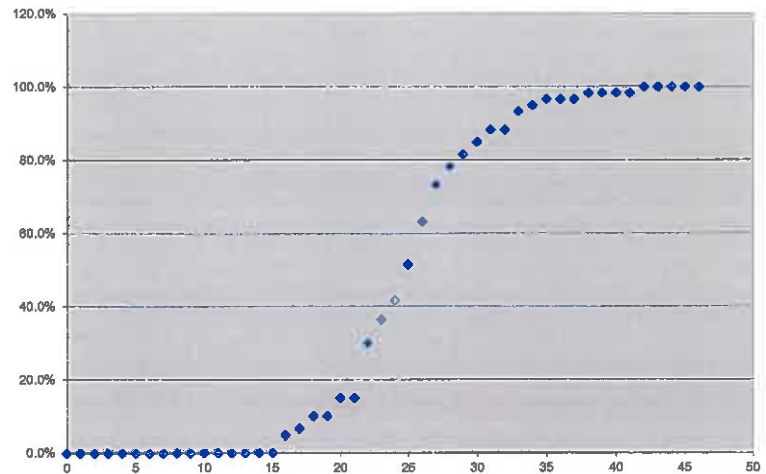
60

AVERAGE SPEED

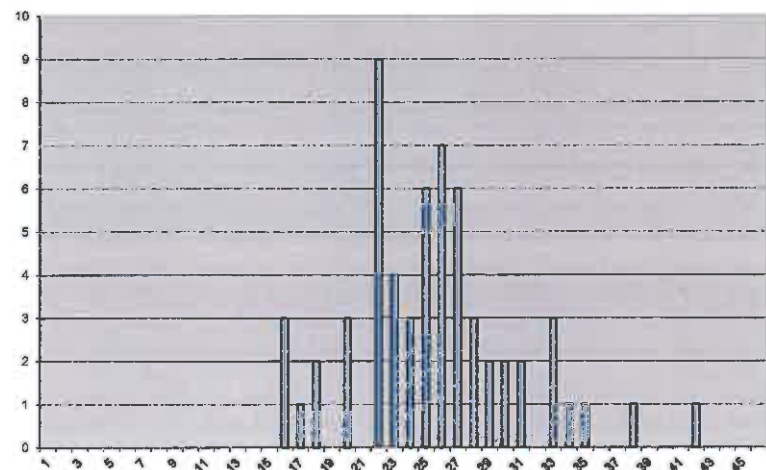
25.5

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	3	5.0%	5.0%
17	1	1.7%	6.7%
18	2	3.3%	10.0%
19	0	0.0%	10.0%
20	3	5.0%	15.0%
21	0	0.0%	15.0%
22	9	15.0%	30.0%
23	4	6.7%	36.7%
24	3	5.0%	41.7%
25	6	10.0%	51.7%
26	7	11.7%	63.3%
27	6	10.0%	73.3%
28	3	5.0%	78.3%
29	2	3.3%	81.7%
30	2	3.3%	85.0%
31	2	3.3%	88.3%
32	0	0.0%	88.3%
33	3	5.0%	93.3%
34	1	1.7%	95.0%
35	1	1.7%	96.7%
36	0	0.0%	96.7%
37	0	0.0%	96.7%
38	1	1.7%	98.3%
39	0	0.0%	98.3%
40	0	0.0%	98.3%
41	0	0.0%	98.3%
42	1	1.7%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Lee St./N. Plymouth

Limits: N Plymouth St. & Emeline Ave.

City General Plan Roadway Classification: Collector

Width: Varies 28-37 feet

Critical Speed (85th percentile): 32 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2013 through 2017, 4 total, 2 injury

Adjacent Land Use: Residential

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph increment and segment meets residential density requirement of CVC 627 for a 5 mph reduction.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#134 LEE ST. (PLYMOUTH-

EMELINE) EB &WB

DATE

11/8/2017

TIME

10:21 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

25

85TH PERCENTILE SPEED

32

10 MPH PACE SPEED

21

TO 30

PERCENT IN PACE SPEED

68.3%

PERCENT OVER PACE SPEED

18.3%

PERCENT UNDER PACE SPEED

13.3%

RANGE OF SPEEDS

15

TO 39

VEHICLES OBSERVED

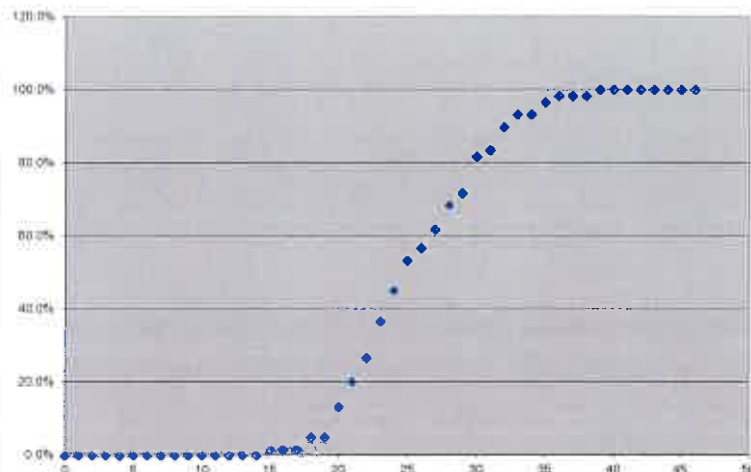
60

AVERAGE SPEED

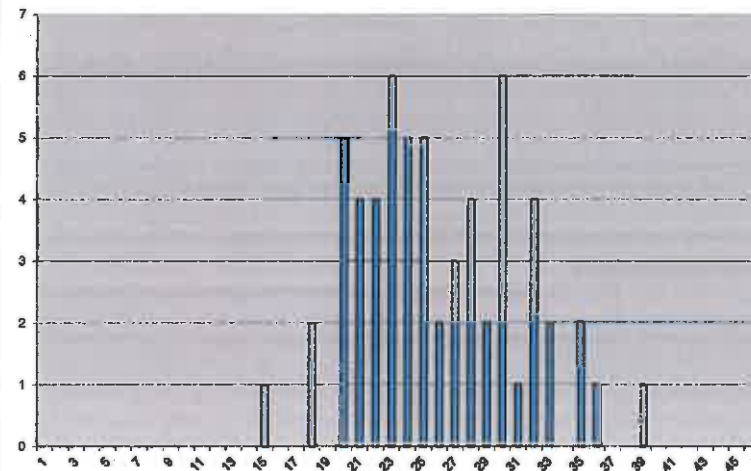
26.0

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	1	1.7%	1.7%
16	0	0.0%	1.7%
17	0	0.0%	1.7%
18	2	3.3%	5.0%
19	0	0.0%	5.0%
20	5	8.3%	13.3%
21	4	6.7%	20.0%
22	4	6.7%	26.7%
23	6	10.0%	36.7%
24	5	8.3%	45.0%
25	5	8.3%	53.3%
26	2	3.3%	56.7%
27	3	5.0%	61.7%
28	4	6.7%	68.3%
29	2	3.3%	71.7%
30	6	10.0%	81.7%
31	1	1.7%	83.3%
32	4	6.7%	90.0%
33	2	3.3%	93.3%
34	0	0.0%	93.3%
35	2	3.3%	96.7%
36	1	1.7%	98.3%
37	0	0.0%	98.3%
38	0	0.0%	98.3%
39	1	1.7%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Lincoln St.

Limits: Walnut Ave. & Pacific Ave.

City General Plan Roadway Classification: Arterial

Width: 37-feet

Critical Speed (85th percentile): 24 mph

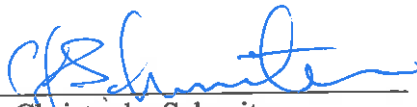
Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2013 through 2017, 14 total, 5 injury

Adjacent Land Use: Residential

Speed reduction justification: None required

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#135 LINCOLN ST. (WALNUT-

PACIFIC) EB & WB

DATE

12/5/2017

TIME

10:20 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

21

85TH PERCENTILE SPEED

24

10 MPH PACE SPEED

16

TO 25

PERCENT IN PACE SPEED

88.3%

PERCENT OVER PACE SPEED

5.0%

PERCENT UNDER PACE SPEED

6.7%

RANGE OF SPEEDS

15

TO 27

VEHICLES OBSERVED

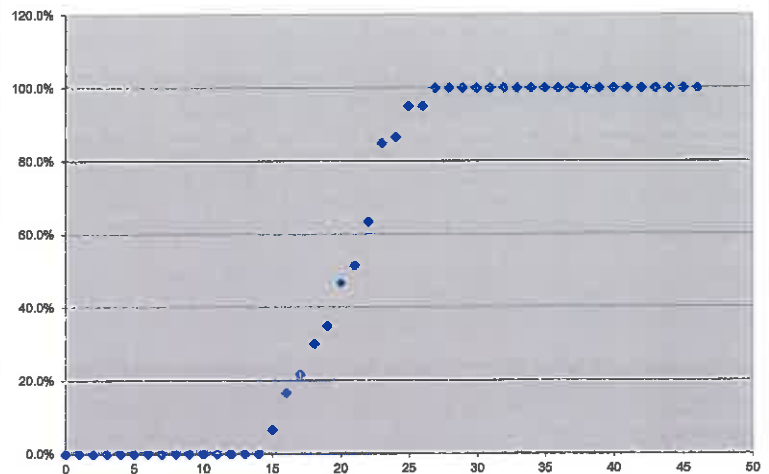
60

AVERAGE SPEED

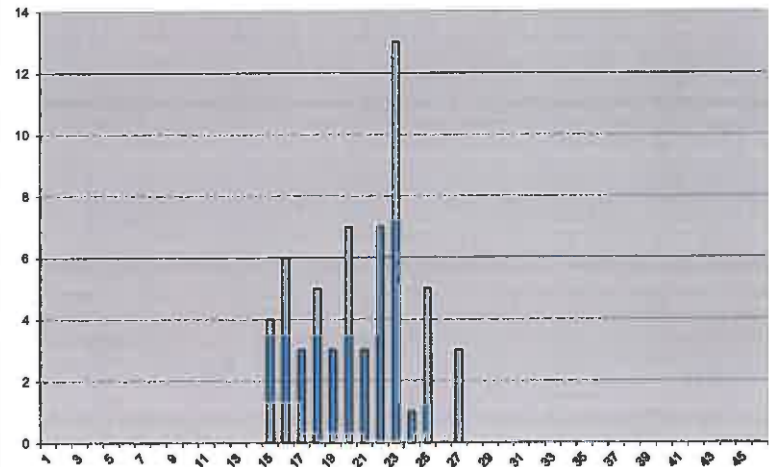
20.7

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	4	6.7%	6.7%
16	6	10.0%	16.7%
17	3	5.0%	21.7%
18	5	8.3%	30.0%
19	3	5.0%	35.0%
20	7	11.7%	46.7%
21	3	5.0%	51.7%
22	7	11.7%	63.3%
23	13	21.7%	85.0%
24	1	1.7%	86.7%
25	5	8.3%	95.0%
26	0	0.0%	95.0%
27	3	5.0%	100.0%
28	0	0.0%	100.0%
29	0	0.0%	100.0%
30	0	0.0%	100.0%
31	0	0.0%	100.0%
32	0	0.0%	100.0%
33	0	0.0%	100.0%
34	0	0.0%	100.0%
35	0	0.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Market St.

Limits: Avalon Ave to Washburn.

City General Plan Roadway Classification: Arterial

Width: 48-feet

Critical Speed (85th percentile): 35 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 7 total, 2 injury

Adjacent Land Use: Primarily residential, senior center

Speed reduction justification: CA MUTCD 2B-13 Segment meets residential density requirement of CVC 627 for a 5 mph reduction.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **30 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____


Christophe Schneider

Title: City Engineer

Date: _____

10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#38 MARKET (WATER-

AVALON) NB & SB

DATE

11/19/2015

TIME

2:50 PM

POSTED SPEED LIMIT

30

50TH PERCENTILE SPEED

31

85TH PERCENTILE SPEED

35

10 MPH PACE SPEED

26

TO 35

PERCENT IN PACE SPEED

79.0%

PERCENT OVER PACE SPEED

12.0%

PERCENT UNDER PACE SPEED

9.0%

RANGE OF SPEEDS

22

TO 42

VEHICLES OBSERVED

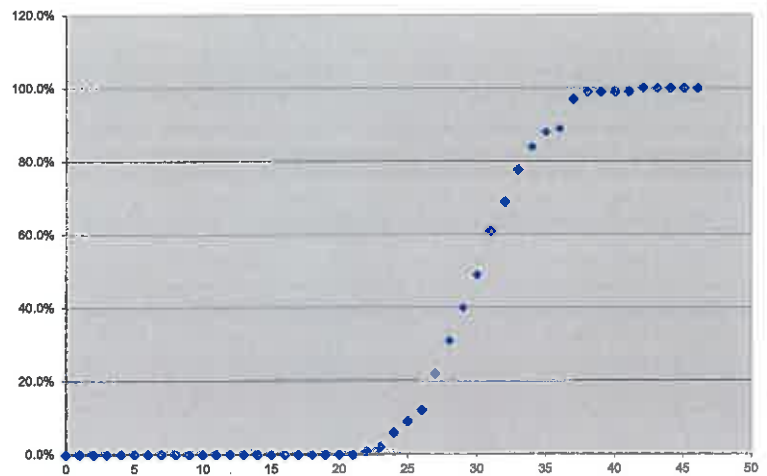
100

AVERAGE SPEED

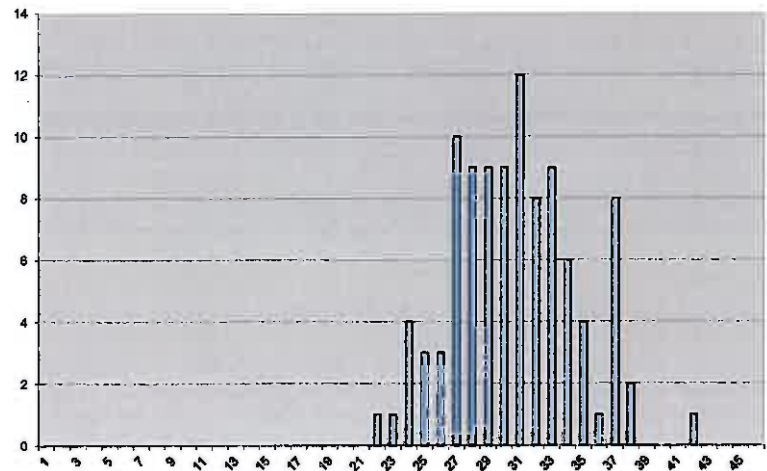
30.7

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	0	0.0%	0.0%
18	0	0.0%	0.0%
19	0	0.0%	0.0%
20	0	0.0%	0.0%
21	0	0.0%	0.0%
22	1	1.0%	1.0%
23	1	1.0%	2.0%
24	4	4.0%	6.0%
25	3	3.0%	9.0%
26	3	3.0%	12.0%
27	10	10.0%	22.0%
28	9	9.0%	31.0%
29	9	9.0%	40.0%
30	9	9.0%	49.0%
31	12	12.0%	61.0%
32	8	8.0%	69.0%
33	9	9.0%	78.0%
34	6	6.0%	84.0%
35	4	4.0%	88.0%
36	1	1.0%	89.0%
37	8	8.0%	97.0%
38	2	2.0%	99.0%
39	0	0.0%	99.0%
40	0	0.0%	99.0%
41	0	0.0%	99.0%
42	1	1.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

2018 ENGINEERING AND TRAFFIC SURVEY

Street: Market St.

Limits: Avalon Ave. & City Limit

City General Plan Roadway Classification: Collector

Width: 30-feet

Critical Speed (85th percentile): 30 mph

Unusual Conditions/Allowable Considerations per CVC:

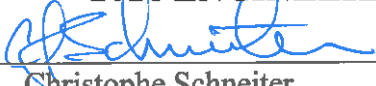
Reported Collisions: 2010 through 2015, 2 total, 1 injury

Adjacent Land Use: Primarily residential

Speed reduction justification: CA MUTCD 2B-13 Segment meets residential density requirement of CVC 627 for a 5 mph reduction.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

2018 ENGINEERING AND TRAFFIC SURVEY

Signed: 

Christophe Schneider

Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#39 MARKET (AVALON-CITY

LIMIT) NB & SB

DATE

12/18/2015

TIME

10:40 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

27

85TH PERCENTILE SPEED

30

10 MPH PACE SPEED

22

TO 31

PERCENT IN PACE SPEED

88.0%

PERCENT OVER PACE SPEED

6.0%

PERCENT UNDER PACE SPEED

6.0%

TO 36

RANGE OF SPEEDS

19

VEHICLES OBSERVED

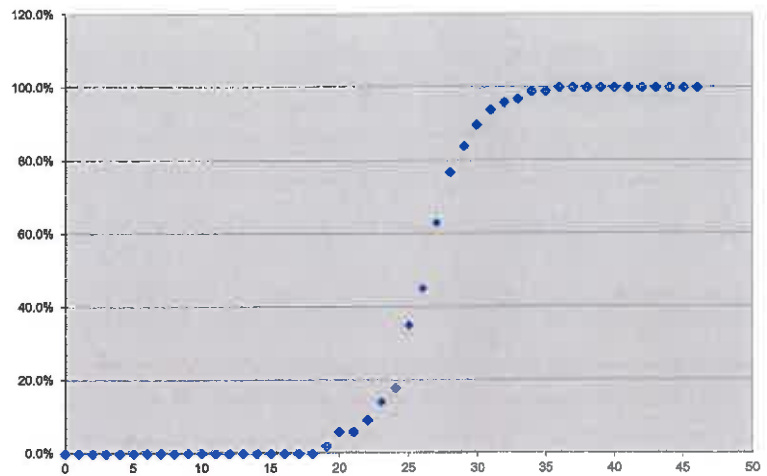
100

AVERAGE SPEED

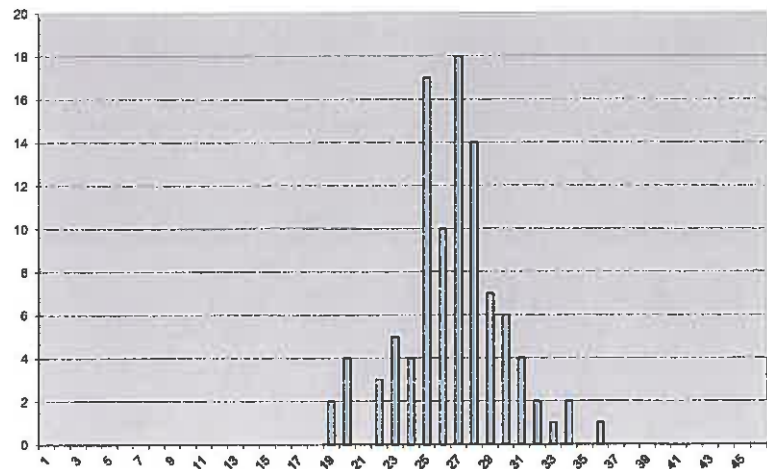
26.7

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	0	0.0%	0.0%
18	0	0.0%	0.0%
19	2	2.0%	2.0%
20	4	4.0%	6.0%
21	0	0.0%	6.0%
22	3	3.0%	9.0%
23	5	5.0%	14.0%
24	4	4.0%	18.0%
25	17	17.0%	35.0%
26	10	10.0%	45.0%
27	18	18.0%	63.0%
28	14	14.0%	77.0%
29	7	7.0%	84.0%
30	6	6.0%	90.0%
31	4	4.0%	94.0%
32	2	2.0%	96.0%
33	1	1.0%	97.0%
34	2	2.0%	99.0%
35	0	0.0%	99.0%
36	1	1.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

Street: Meder St.

Limits: Bay Dr. & Western Dr.

City General Plan Roadway Classification: Collector

Width: 40-feet

Critical Speed (85th percentile): 32 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 8 total, 6 injury

Adjacent Land Use: Primarily residential, park/playground, and cemetery

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph increment and segment meets residential density requirement of CVC 627 for a 5 mph reduction.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

2018 ENGINEERING AND TRAFFIC SURVEY

Signed: _____

Christophe Schneiter

Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#40 MEDER (BAY & WESTERN

) EB & WB

DATE

4/19/2016

TIME

2:19 PM

POSTED SPEED LIMIT

(no sign) 25

50TH PERCENTILE SPEED

28

85TH PERCENTILE SPEED

32

10 MPH PACE SPEED

23

TO 32

PERCENT IN PACE SPEED

79.0%

PERCENT OVER PACE SPEED

12.0%

PERCENT UNDER PACE SPEED

9.0%

RANGE OF SPEEDS

20

TO 37

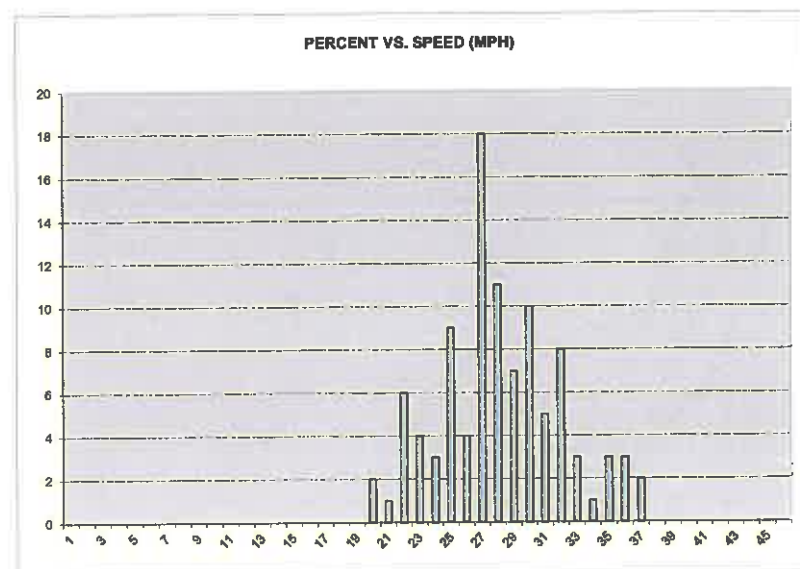
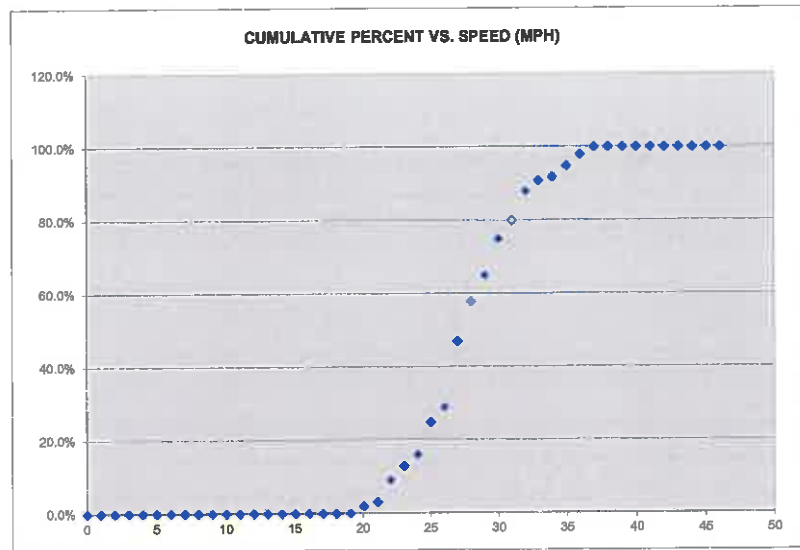
VEHICLES OBSERVED

100

AVERAGE SPEED

28.1

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	0	0.0%	0.0%
18	0	0.0%	0.0%
19	0	0.0%	0.0%
20	2	2.0%	2.0%
21	1	1.0%	3.0%
22	6	6.0%	9.0%
23	4	4.0%	13.0%
24	3	3.0%	16.0%
25	9	9.0%	25.0%
26	4	4.0%	29.0%
27	18	18.0%	47.0%
28	11	11.0%	58.0%
29	7	7.0%	65.0%
30	10	10.0%	75.0%
31	5	5.0%	80.0%
32	8	8.0%	88.0%
33	3	3.0%	91.0%
34	1	1.0%	92.0%
35	3	3.0%	95.0%
36	3	3.0%	98.0%
37	2	2.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%





**PUBLIC WORKS DEPARTMENT
Transportation Division**

Street: Morrissey Blvd. (SB)

Limits: South-bound Water St. & Fairmount Ave.

City General Plan Roadway Classification: Arterial

Width: 30-feet (each direction)

Critical Speed (85th percentile): 37 mph

Unusual Conditions/Allowable Considerations per CVC:

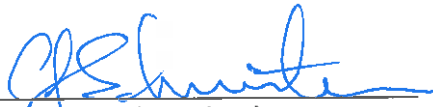
Reported Collisions: 2010 through 2015, 11 total, 10 injury

Adjacent Land Use: Primarily residential

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph increment and segment meets residential density requirement of CVC 627 for a 5 mph reduction.

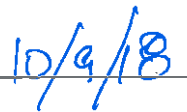
Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **30 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____


Christophe Schneider

Title: City Engineer

Date: _____



Vehicle Speed Survey Sheet

DIRECTIONS

#41A MORRISSEY (WATER-

FAIRMONT) SB

DATE

5/26/2016

TIME

11:26 AM

POSTED SPEED LIMIT

30

50TH PERCENTILE SPEED

33

85TH PERCENTILE SPEED

37

10 MPH PACE SPEED

28

TO 37

PERCENT IN PACE SPEED

84.2%

PERCENT OVER PACE SPEED

12.9%

PERCENT UNDER PACE SPEED

3.0%

RANGE OF SPEEDS

26

TO 46

VEHICLES OBSERVED

101

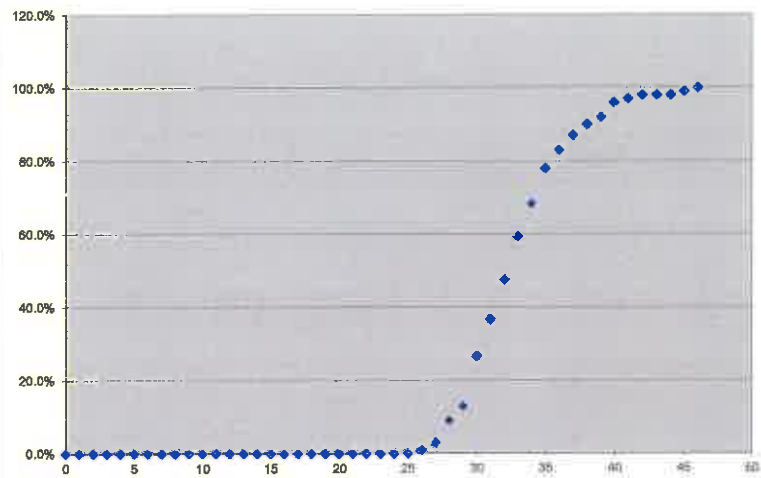
AVERAGE SPEED

33.2

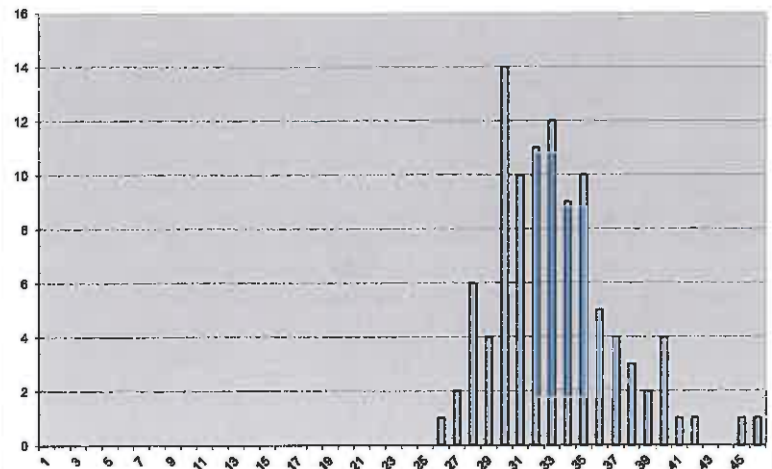
MPH NO. PCT. CUM PCT.

0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	0	0.0%	0.0%
18	0	0.0%	0.0%
19	0	0.0%	0.0%
20	0	0.0%	0.0%
21	0	0.0%	0.0%
22	0	0.0%	0.0%
23	0	0.0%	0.0%
24	0	0.0%	0.0%
25	0	0.0%	0.0%
26	1	1.0%	1.0%
27	2	2.0%	3.0%
28	6	5.9%	8.9%
29	4	4.0%	12.9%
30	14	13.9%	26.7%
31	10	9.9%	36.6%
32	11	10.9%	47.5%
33	12	11.9%	59.4%
34	9	8.9%	68.3%
35	10	9.9%	78.2%
36	5	5.0%	83.2%
37	4	4.0%	87.1%
38	3	3.0%	90.1%
39	2	2.0%	92.1%
40	4	4.0%	96.0%
41	1	1.0%	97.0%
42	1	1.0%	98.0%
43	0	0.0%	98.0%
44	0	0.0%	98.0%
45	1	1.0%	99.0%
46	1	1.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





PUBLIC WORKS DEPARTMENT
Transportation Division

Street: Morrissey Blvd. (NB)

Limits: North-bound Water St. & Fairmount Ave.

City General Plan Roadway Classification: Arterial

Width: 30-feet (each direction)

Critical Speed (85th percentile): 37 mph

Unusual Conditions/Allowable Considerations per CVC:

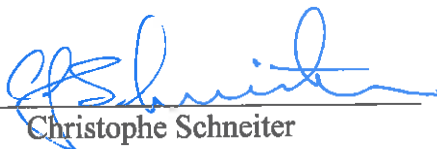
Reported Collisions: 2010 through 2015, 6 total, 6 injury

Adjacent Land Use: Primarily residential

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph increment and segment meets residential density requirement of CVC 627 for a 5 mph reduction.

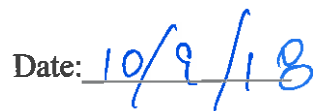
Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **30 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____


Christophe Schneider

Title: City Engineer

Date: _____



Vehicle Speed Survey Sheet

DIRECTIONS

#41B MORRISSEY (WATER-

FAIRMONT) NB

DATE

5/25/2016

TIME

11:00 AM

POSTED SPEED LIMIT

30

50TH PERCENTILE SPEED

32

85TH PERCENTILE SPEED

37

10 MPH PACE SPEED

28

TO 37

PERCENT IN PACE SPEED

76.3%

PERCENT OVER PACE SPEED

14.0%

PERCENT UNDER PACE SPEED

9.6%

RANGE OF SPEEDS

23

TO 45

VEHICLES OBSERVED

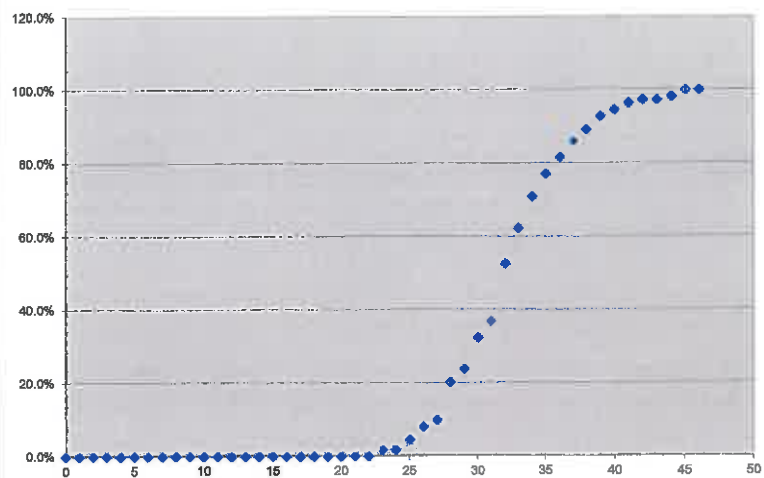
114

AVERAGE SPEED

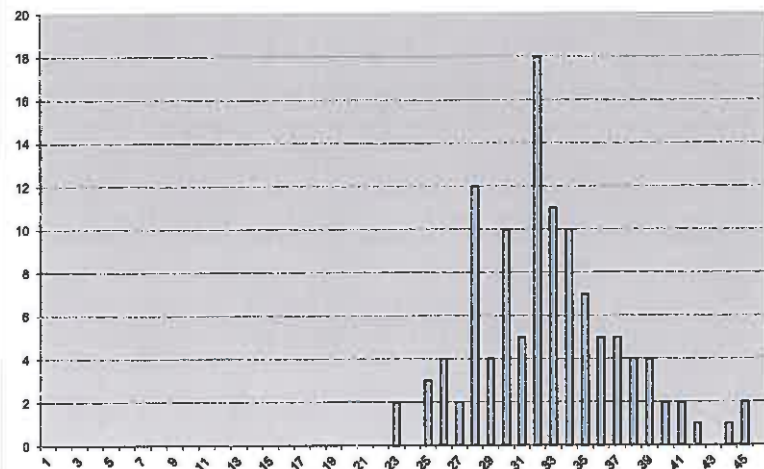
32.6

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	0	0.0%	0.0%
18	0	0.0%	0.0%
19	0	0.0%	0.0%
20	0	0.0%	0.0%
21	0	0.0%	0.0%
22	0	0.0%	0.0%
23	2	1.8%	1.8%
24	0	0.0%	1.8%
25	3	2.6%	4.4%
26	4	3.5%	7.9%
27	2	1.8%	9.6%
28	12	10.5%	20.2%
29	4	3.5%	23.7%
30	10	8.8%	32.5%
31	5	4.4%	36.8%
32	18	15.8%	52.6%
33	11	9.6%	62.3%
34	10	8.8%	71.1%
35	7	6.1%	77.2%
36	5	4.4%	81.6%
37	5	4.4%	86.0%
38	4	3.5%	89.5%
39	4	3.5%	93.0%
40	2	1.8%	94.7%
41	2	1.8%	96.5%
42	1	0.9%	97.4%
43	0	0.0%	97.4%
44	1	0.9%	98.2%
45	2	1.8%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

Street: Morrissey Blvd.

Limits: Pacheco Ave. & Prospect Heights

City General Plan Roadway Classification: Collector

Width: 40-feet

Critical Speed (85th percentile): 36 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 4 total, 2 injury

Adjacent Land Use: Primarily residential

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph increment and segment meets residential density requirement of CVC 627 for a 5 mph reduction.

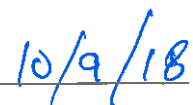
Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **30 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____


Christophe Schneider

Title: City Engineer

Date: _____



Vehicle Speed Survey Sheet

DIRECTIONS

#42 MORRISSEY (PACHECO-

PROSPECT HEIGHT) EB & WB

DATE

5/25/2016

TIME

11:00 AM

POSTED SPEED LIMIT

30

50TH PERCENTILE SPEED

31

85TH PERCENTILE SPEED

36

10 MPH PACE SPEED

25

TO 34

PERCENT IN PACE SPEED

76.0%

PERCENT OVER PACE SPEED

19.0%

PERCENT UNDER PACE SPEED

5.0%

RANGE OF SPEEDS

17

TO 45

VEHICLES OBSERVED

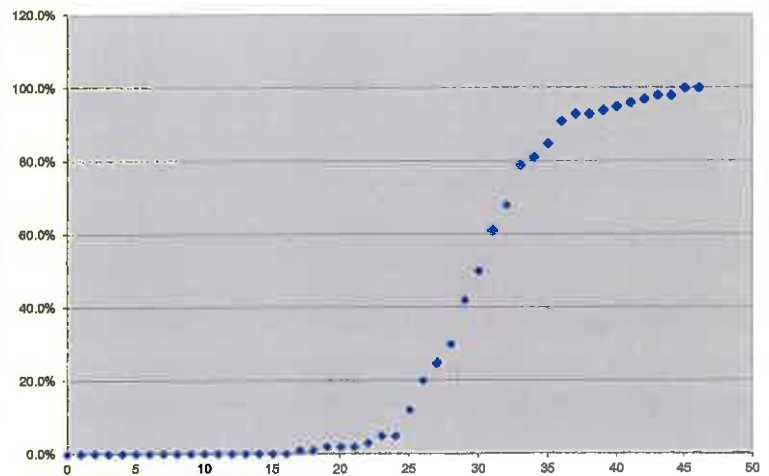
100

AVERAGE SPEED

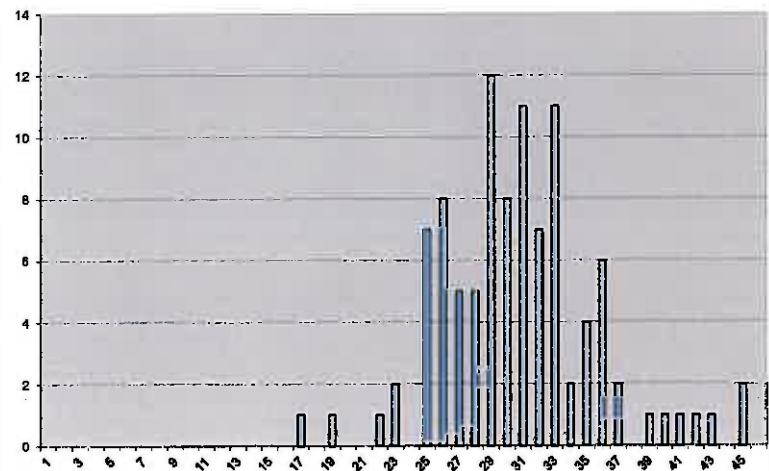
30.7

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	1	1.0%	1.0%
18	0	0.0%	1.0%
19	1	1.0%	2.0%
20	0	0.0%	2.0%
21	0	0.0%	2.0%
22	1	1.0%	3.0%
23	2	2.0%	5.0%
24	0	0.0%	5.0%
25	7	7.0%	12.0%
26	8	8.0%	20.0%
27	5	5.0%	25.0%
28	5	5.0%	30.0%
29	12	12.0%	42.0%
30	8	8.0%	50.0%
31	11	11.0%	61.0%
32	7	7.0%	68.0%
33	11	11.0%	79.0%
34	2	2.0%	81.0%
35	4	4.0%	85.0%
36	6	6.0%	91.0%
37	2	2.0%	93.0%
38	0	0.0%	93.0%
39	1	1.0%	94.0%
40	1	1.0%	95.0%
41	1	1.0%	96.0%
42	1	1.0%	97.0%
43	1	1.0%	98.0%
44	0	0.0%	98.0%
45	2	2.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

Street: Municipal Wharf.

Limits: Beach St. & End

City General Plan Roadway Classification: Collector

Width: 27-feet

Critical Speed (85th percentile): 18 mph

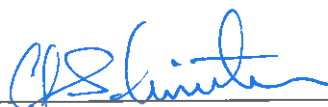
Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 16 total, 3 injury

Adjacent Land Use: Business

Speed reduction justification: CA MUTCD 2B-13 option 2) The speed limit may be rounded down to the nearest 5 mph increment below the 85th percentile speed, if no further reduction is used. Refer to CVC 21400 (b).

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **15 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/13

Vehicle Speed Survey Sheet

DIRECTIONS

#43 MUNICIPAL WHARF

DATE

11/7/2016

TIME

2:30 PM

POSTED SPEED LIMIT

15

50TH PERCENTILE SPEED

15

85TH PERCENTILE SPEED

18

10 MPH PACE SPEED

13

TO 22

PERCENT IN PACE SPEED

100.0%

PERCENT OVER PACE SPEED

0.0%

PERCENT UNDER PACE SPEED

0.0%

RANGE OF SPEEDS

15

TO 22

VEHICLES OBSERVED

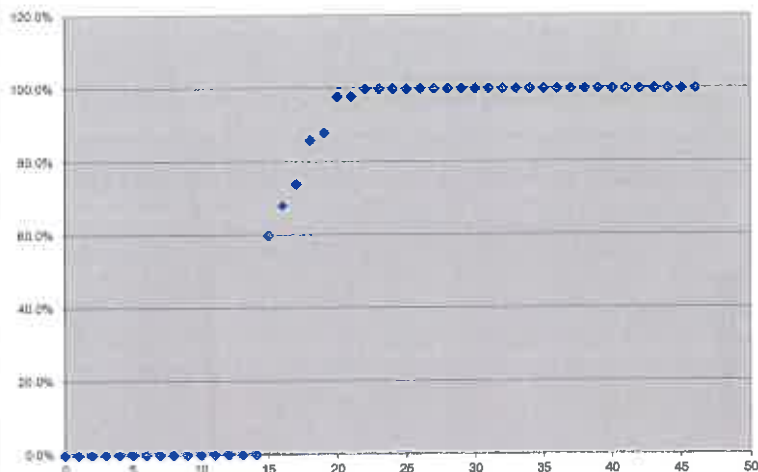
50

AVERAGE SPEED

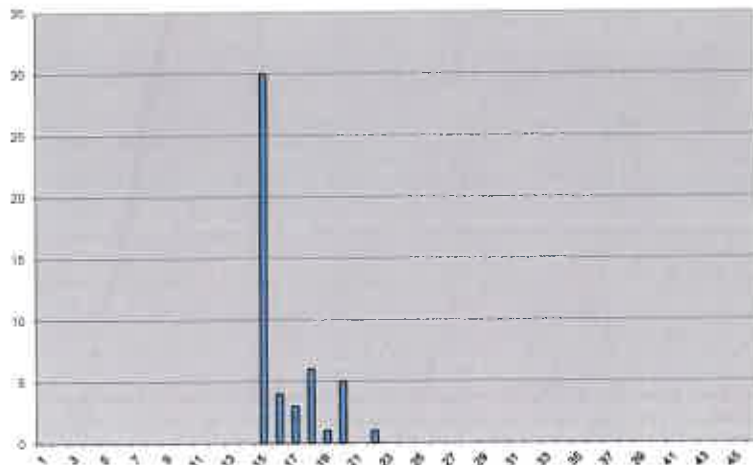
16.3

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	30	60.0%	60.0%
16	4	8.0%	68.0%
17	3	6.0%	74.0%
18	6	12.0%	86.0%
19	1	2.0%	88.0%
20	5	10.0%	98.0%
21	0	0.0%	98.0%
22	1	2.0%	100.0%
23	0	0.0%	100.0%
24	0	0.0%	100.0%
25	0	0.0%	100.0%
26	0	0.0%	100.0%
27	0	0.0%	100.0%
28	0	0.0%	100.0%
29	0	0.0%	100.0%
30	0	0.0%	100.0%
31	0	0.0%	100.0%
32	0	0.0%	100.0%
33	0	0.0%	100.0%
34	0	0.0%	100.0%
35	0	0.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

Street: Murray St.

Limits: East Cliff Dr. to East City Limit

City General Plan Roadway Classification: Arterial

Width: Varies 25-40-feet

Critical Speed (85th percentile): 32 mph

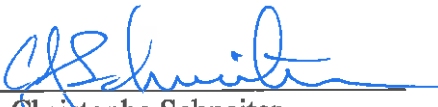
Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 17 total, 10 injury

Adjacent Land Use: Primarily residential, business

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph increment and segment meets residential density requirement of CVC 627 for a 5 mph reduction.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/10

Vehicle Speed Survey Sheet

DIRECTIONS

#44 MURRAY (EAST CLIFF DR-

EAST CITY LIMIT) EB & WB

DATE

12/14/2016

TIME

4:00 PM

POSTED SPEED LIMIT

(no sign) 25

50TH PERCENTILE SPEED

27

85TH PERCENTILE SPEED

32

10 MPH PACE SPEED

23

TO 32

PERCENT IN PACE SPEED

86.9%

PERCENT OVER PACE SPEED

9.1%

PERCENT UNDER PACE SPEED

4.0%

RANGE OF SPEEDS

21

TO 38

VEHICLES OBSERVED

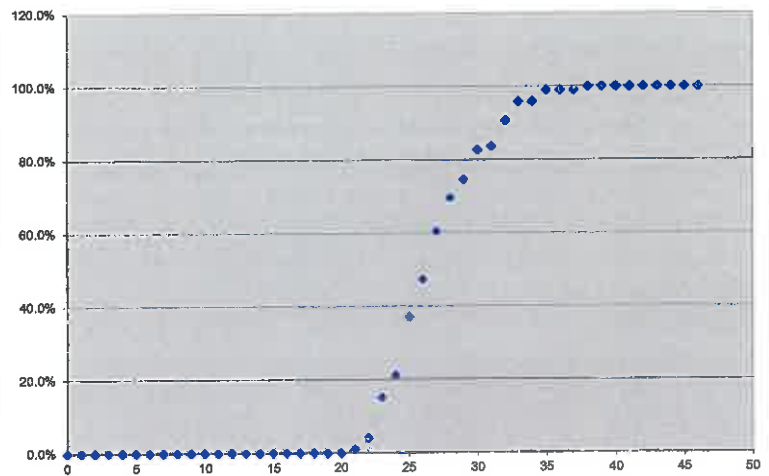
99

AVERAGE SPEED

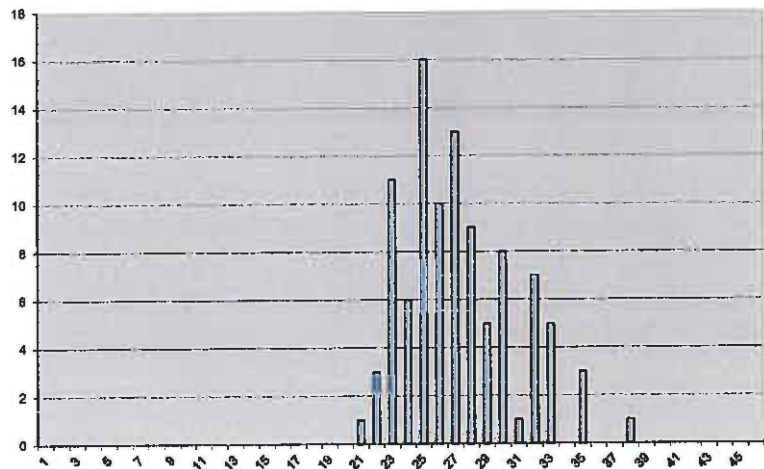
27.2

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	0	0.0%	0.0%
18	0	0.0%	0.0%
19	0	0.0%	0.0%
20	0	0.0%	0.0%
21	1	1.0%	1.0%
22	3	3.0%	4.0%
23	11	11.1%	15.2%
24	6	6.1%	21.2%
25	16	16.2%	37.4%
26	10	10.1%	47.5%
27	13	13.1%	60.6%
28	9	9.1%	69.7%
29	5	5.1%	74.7%
30	8	8.1%	82.8%
31	1	1.0%	83.8%
32	7	7.1%	90.9%
33	5	5.1%	96.0%
34	0	0.0%	96.0%
35	3	3.0%	99.0%
36	0	0.0%	99.0%
37	0	0.0%	99.0%
38	1	1.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

Street: Natural Bridges Blvd.

Limits: Mission St. & Delaware Ave.

City General Plan Roadway Classification: Collector

Width: 48-feet

Critical Speed (85th percentile): 34 mph

Unusual Conditions/Allowable Considerations per CVC:

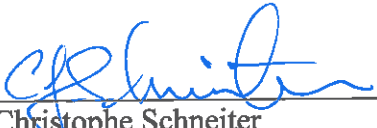
Reported Collisions: 2010 through 2015, 5 total, 2 injury

Adjacent Land Use: Business

Speed reduction justification: CA MUTCD 2B-13 option 2) The speed limit may be rounded down to the nearest 5 mph increment below the 85th percentile speed, if no further reduction is used. Refer to CVC 21400 (b).

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **30 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: _____


Christophe Schneider

Title: City Engineer

Date: 10/8/18

Vehicle Speed Survey Sheet

DIRECTIONS

#45 NATURAL BRIDGES
(MISSION-DELAWARE) NB &
SB

DATE

9/27/2016

TIME

9:45 AM

POSTED SPEED LIMIT

30

50TH PERCENTILE SPEED

28

85TH PERCENTILE SPEED

34

10 MPH PACE SPEED

23

TO 32

PERCENT IN PACE SPEED

77.0%

PERCENT OVER PACE SPEED

17.0%

PERCENT UNDER PACE SPEED

6.0%

RANGE OF SPEEDS

20

TO 38

VEHICLES OBSERVED

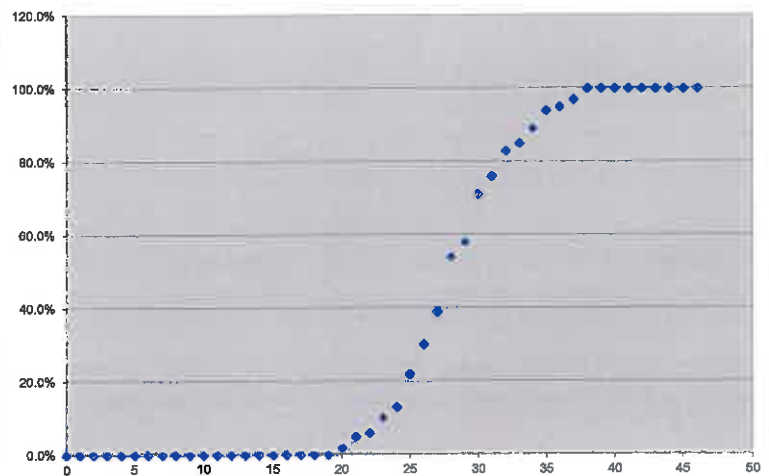
100

AVERAGE SPEED

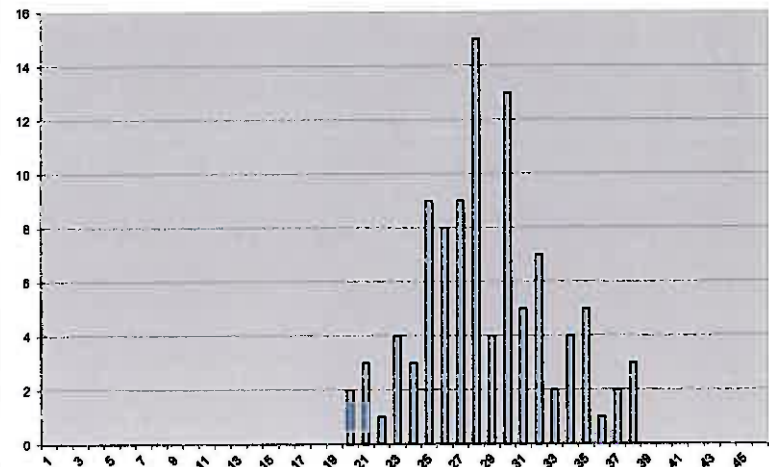
28.7

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	0	0.0%	0.0%
18	0	0.0%	0.0%
19	0	0.0%	0.0%
20	2	2.0%	2.0%
21	3	3.0%	5.0%
22	1	1.0%	6.0%
23	4	4.0%	10.0%
24	3	3.0%	13.0%
25	9	9.0%	22.0%
26	8	8.0%	30.0%
27	9	9.0%	39.0%
28	15	15.0%	54.0%
29	4	4.0%	58.0%
30	13	13.0%	71.0%
31	5	5.0%	76.0%
32	7	7.0%	83.0%
33	2	2.0%	85.0%
34	4	4.0%	89.0%
35	5	5.0%	94.0%
36	1	1.0%	95.0%
37	2	2.0%	97.0%
38	3	3.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





PUBLIC WORKS DEPARTMENT
Transportation Division

Street: Nobel Dr.

Limits: Meder St. & Bay St.

City General Plan Roadway Classification: Collector

Width: 50-feet

Critical Speed (85th percentile): 24 mph.

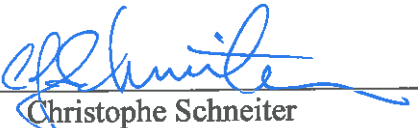
Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 19 total, 2 injury

Adjacent Land Use: Residential

Speed reduction justification: None required

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#145 NOBEL DR. (MEDER-

BAY) NB & SB

DATE

11/29/2017

TIME

2:40 PM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

22

85TH PERCENTILE SPEED

24

10 MPH PACE SPEED

16

TO 25

PERCENT IN PACE SPEED

90.0%

PERCENT OVER PACE SPEED

6.7%

PERCENT UNDER PACE SPEED

3.3%

RANGE OF SPEEDS

15

TO 30

VEHICLES OBSERVED

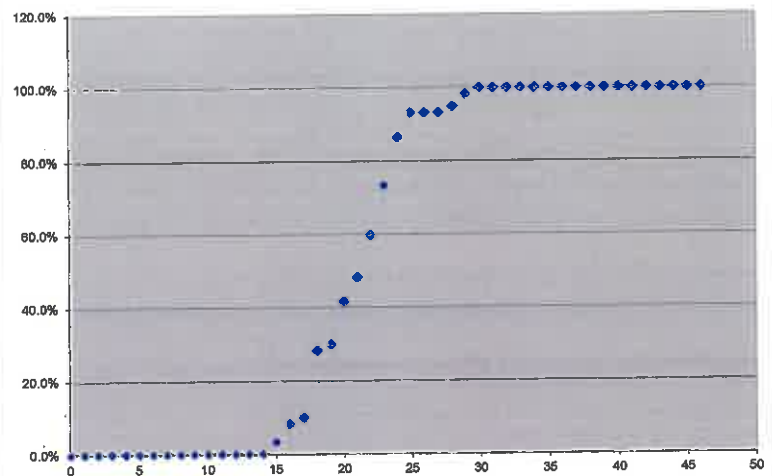
60

AVERAGE SPEED

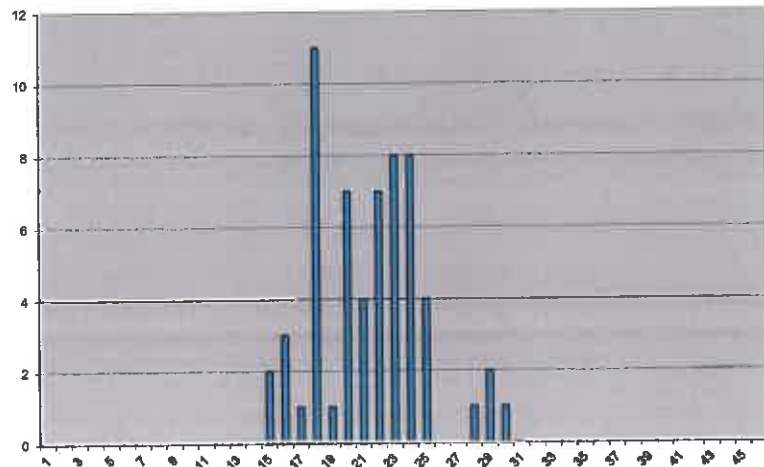
21.4

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	2	3.3%	3.3%
16	3	5.0%	8.3%
17	1	1.7%	10.0%
18	11	18.3%	28.3%
19	1	1.7%	30.0%
20	7	11.7%	41.7%
21	4	6.7%	48.3%
22	7	11.7%	60.0%
23	8	13.3%	73.3%
24	8	13.3%	86.7%
25	4	6.7%	93.3%
26	0	0.0%	93.3%
27	0	0.0%	93.3%
28	1	1.7%	95.0%
29	2	3.3%	98.3%
30	1	1.7%	100.0%
31	0	0.0%	100.0%
32	0	0.0%	100.0%
33	0	0.0%	100.0%
34	0	0.0%	100.0%
35	0	0.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





PUBLIC WORKS DEPARTMENT
Transportation Division

Street: Ocean St.

Limits: Broadway to East Cliff Dr.

City General Plan Roadway Classification: Arterial

Width: 44-feet

Critical Speed (85th percentile): 28 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 30 total, 19 injury

Adjacent Land Use: Primarily residential

Speed reduction justification: CA MUTCD 2B-13 option 2) The speed limit may be rounded down to the nearest 5 mph increment below the 85th percentile speed, if no further reduction is used. Refer to CVC 21400 (b).

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#46 OCEAN (BROADWAY-

EAST CLIFF) NB & SB

DATE

5/19/2016

TIME

11:10 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

25

85TH PERCENTILE SPEED

28

10 MPH PACE SPEED

20

TO 29

PERCENT IN PACE SPEED

90.1%

PERCENT OVER PACE SPEED

7.9%

PERCENT UNDER PACE SPEED

2.0%

RANGE OF SPEEDS

17

TO 32

VEHICLES OBSERVED

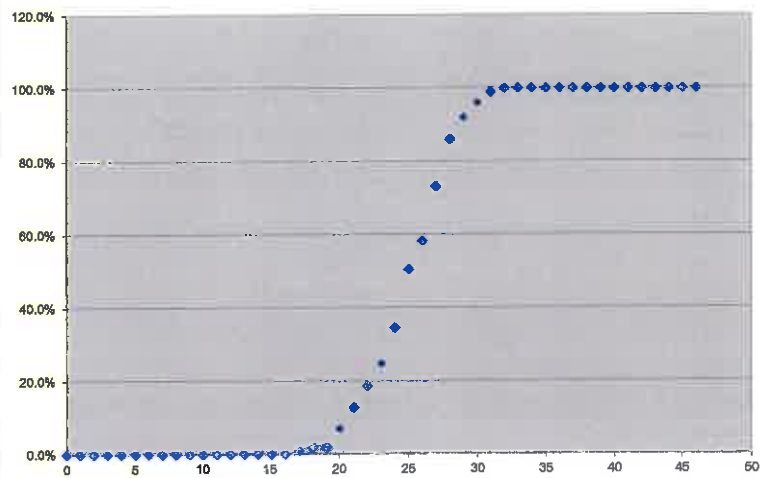
101

AVERAGE SPEED

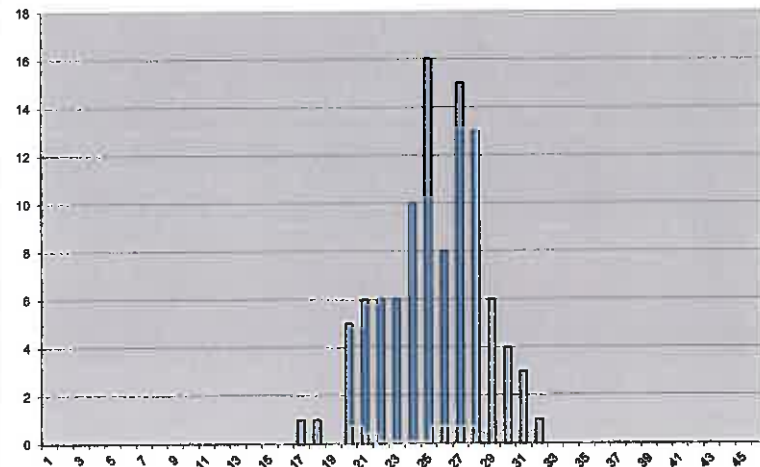
25.4

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	1	1.0%	1.0%
18	1	1.0%	2.0%
19	0	0.0%	2.0%
20	5	5.0%	6.9%
21	6	5.9%	12.9%
22	6	5.9%	18.8%
23	6	5.9%	24.8%
24	10	9.9%	34.7%
25	16	15.8%	50.5%
26	8	7.9%	58.4%
27	15	14.9%	73.3%
28	13	12.9%	86.1%
29	6	5.9%	92.1%
30	4	4.0%	96.0%
31	3	3.0%	99.0%
32	1	1.0%	100.0%
33	0	0.0%	100.0%
34	0	0.0%	100.0%
35	0	0.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

Street: Ocean St.

Limits: Broadway to Plymouth (Northbound)

City General Plan Roadway Classification: Arterial

Width: 80-feet (both directions)

Critical Speed (85th percentile): 35 mph

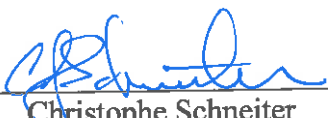
Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 129 total, 42 injury (NB & SB)

Adjacent Land Use: Business

Speed reduction justification: CA MUTCD 2B-13 Segment meets business density requirement of CVC 627 for a 5 mph reduction.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **30 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#47A OCEAN (BROADWAY-
WATER) NB

DATE

5/31/2016

TIME

11:32 AM

POSTED SPEED LIMIT

30

50TH PERCENTILE SPEED

29

85TH PERCENTILE SPEED

35

10 MPH PACE SPEED

25

TO 34

PERCENT IN PACE SPEED

74.3%

PERCENT OVER PACE SPEED

16.8%

PERCENT UNDER PACE SPEED

8.9%

RANGE OF SPEEDS

20

TO 40

VEHICLES OBSERVED

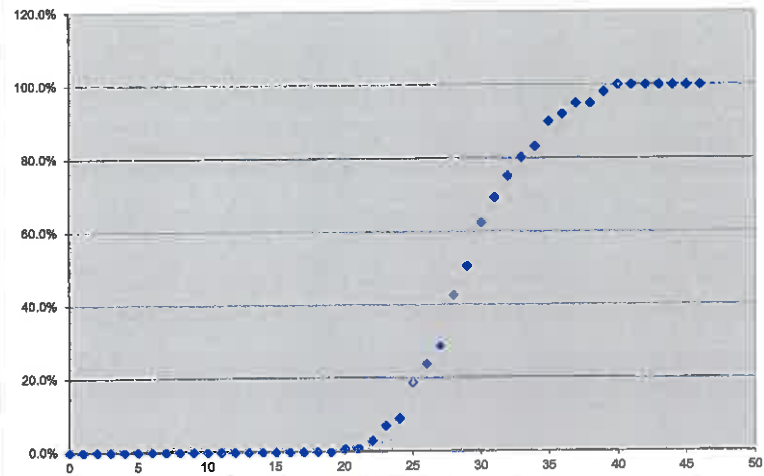
101

AVERAGE SPEED

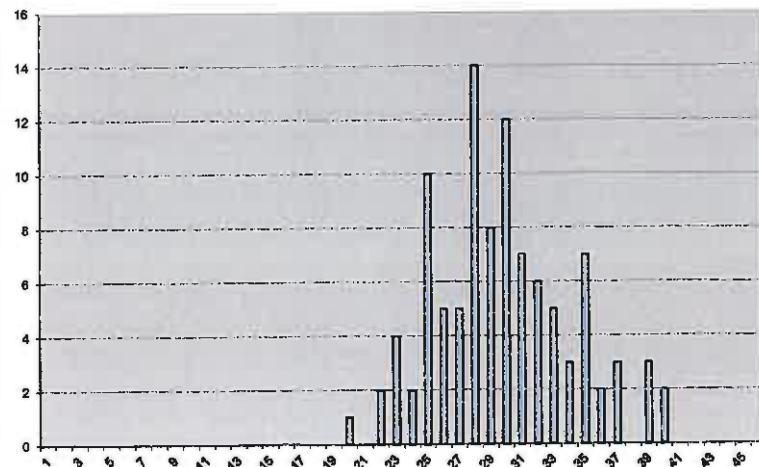
29.7

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	0	0.0%	0.0%
18	0	0.0%	0.0%
19	0	0.0%	0.0%
20	1	1.0%	1.0%
21	0	0.0%	1.0%
22	2	2.0%	3.0%
23	4	4.0%	6.9%
24	2	2.0%	8.9%
25	10	9.9%	18.8%
26	5	5.0%	23.8%
27	5	5.0%	28.7%
28	14	13.9%	42.6%
29	8	7.9%	50.5%
30	12	11.9%	62.4%
31	7	6.9%	69.3%
32	6	5.9%	75.2%
33	5	5.0%	80.2%
34	3	3.0%	83.2%
35	7	6.9%	90.1%
36	2	2.0%	92.1%
37	3	3.0%	95.0%
38	0	0.0%	95.0%
39	3	3.0%	98.0%
40	2	2.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)



Vehicle Speed Survey Sheet

DIRECTIONS

#48a OCEAN (Plymouth-Water)

NB

DATE

4/21/2016

TIME

2:45 PM

POSTED SPEED LIMIT

30

50TH PERCENTILE SPEED

30

85TH PERCENTILE SPEED

35

10 MPH PACE SPEED

26

TO 35

PERCENT IN PACE SPEED

77.2%

PERCENT OVER PACE SPEED

11.9%

PERCENT UNDER PACE SPEED

10.9%

RANGE OF SPEEDS

20

TO 42

VEHICLES OBSERVED

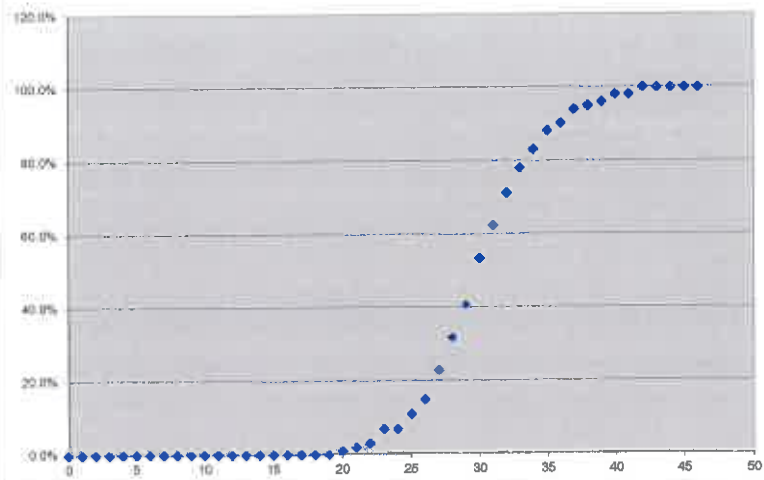
101

AVERAGE SPEED

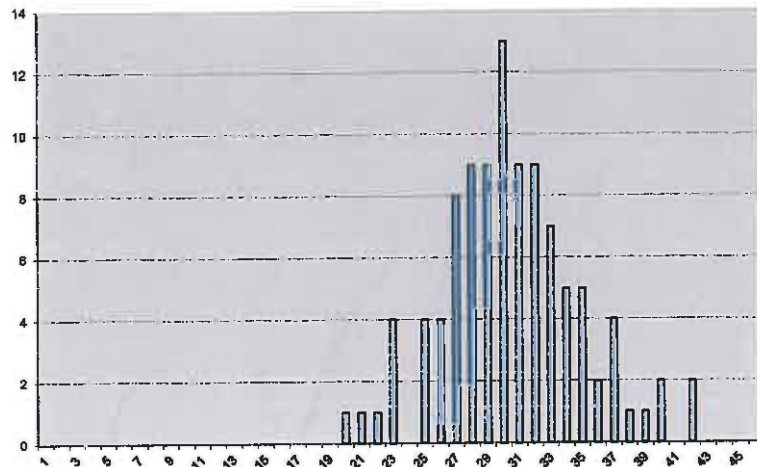
30.5

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	0	0.0%	0.0%
18	0	0.0%	0.0%
19	0	0.0%	0.0%
20	1	1.0%	1.0%
21	1	1.0%	2.0%
22	1	1.0%	3.0%
23	4	4.0%	6.9%
24	0	0.0%	6.9%
25	4	4.0%	10.9%
26	4	4.0%	14.9%
27	8	7.9%	22.8%
28	9	8.9%	31.7%
29	9	8.9%	40.6%
30	13	12.9%	53.5%
31	9	8.9%	62.4%
32	9	8.9%	71.3%
33	7	6.9%	78.2%
34	5	5.0%	83.2%
35	5	5.0%	88.1%
36	2	2.0%	90.1%
37	4	4.0%	94.1%
38	1	1.0%	95.0%
39	1	1.0%	96.0%
40	2	2.0%	98.0%
41	0	0.0%	98.0%
42	2	2.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





PUBLIC WORKS DEPARTMENT
Transportation Division

Street: Ocean St.

Limits: Broadway to Plymouth (Southbound)

City General Plan Roadway Classification: Arterial

Width: 80-feet (both directions)

Critical Speed (85th percentile): 33 mph

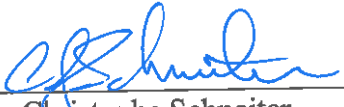
Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 129 total, 42 injury (NB & SB)

Adjacent Land Use: Business

Speed reduction justification: CA MUTCD 2B-13 option 2) The speed limit may be rounded down to the nearest 5 mph increment below the 85th percentile speed, if no further reduction is used. Refer to CVC 21400 (b).

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **30 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#47B OCEAN (BROADWAY-
WATER) SB

DATE

11/2/2016

TIME

10:45 AM

POSTED SPEED LIMIT

30

50TH PERCENTILE SPEED

28

85TH PERCENTILE SPEED

33

10 MPH PACE SPEED

21

TO 30

PERCENT IN PACE SPEED

73.0%

PERCENT OVER PACE SPEED

21.0%

PERCENT UNDER PACE SPEED

6.0%

RANGE OF SPEEDS

18

TO 40

VEHICLES OBSERVED

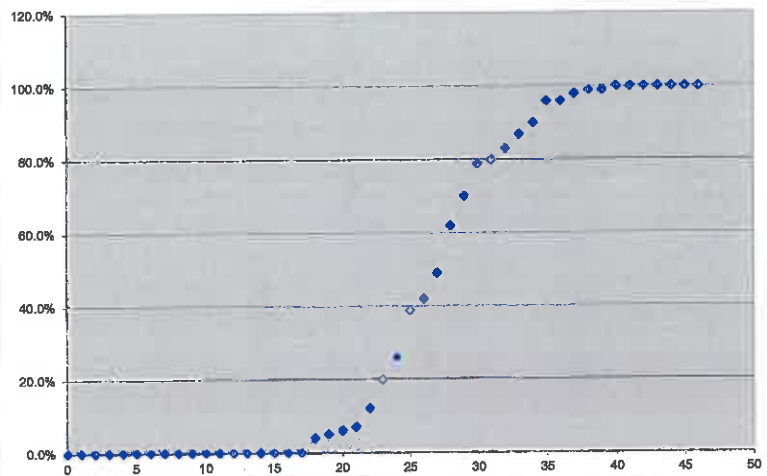
100

AVERAGE SPEED

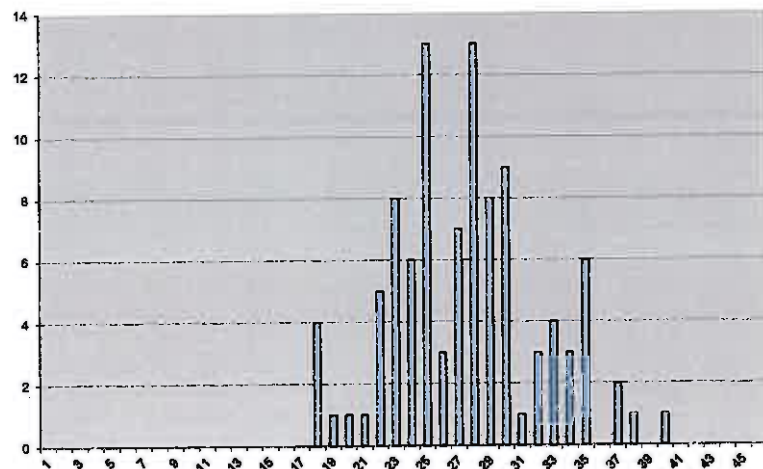
27.5

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	0	0.0%	0.0%
18	4	4.0%	4.0%
19	1	1.0%	5.0%
20	1	1.0%	6.0%
21	1	1.0%	7.0%
22	5	5.0%	12.0%
23	8	8.0%	20.0%
24	6	6.0%	26.0%
25	13	13.0%	39.0%
26	3	3.0%	42.0%
27	7	7.0%	49.0%
28	13	13.0%	62.0%
29	8	8.0%	70.0%
30	9	9.0%	79.0%
31	1	1.0%	80.0%
32	3	3.0%	83.0%
33	4	4.0%	87.0%
34	3	3.0%	90.0%
35	6	6.0%	96.0%
36	0	0.0%	96.0%
37	2	2.0%	98.0%
38	1	1.0%	99.0%
39	0	0.0%	99.0%
40	1	1.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)



Vehicle Speed Survey Sheet

DIRECTIONS

#48B OCEAN (PLYMOUTH-
WATER) SB

DATE

4/21/2016

TIME

2:23 PM

POSTED SPEED LIMIT

30

50TH PERCENTILE SPEED

28

85TH PERCENTILE SPEED

33

10 MPH PACE SPEED

22

TO 31

PERCENT IN PACE SPEED

71.3%

PERCENT OVER PACE SPEED

19.8%

PERCENT UNDER PACE SPEED

8.9%

RANGE OF SPEEDS

19

TO 41

VEHICLES OBSERVED

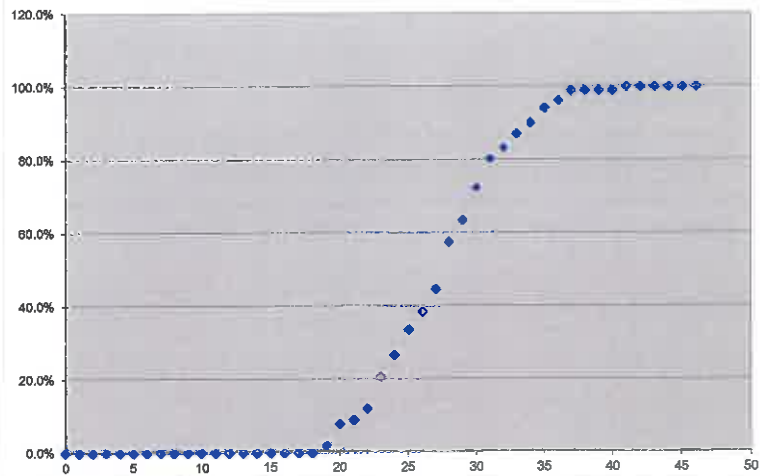
101

AVERAGE SPEED

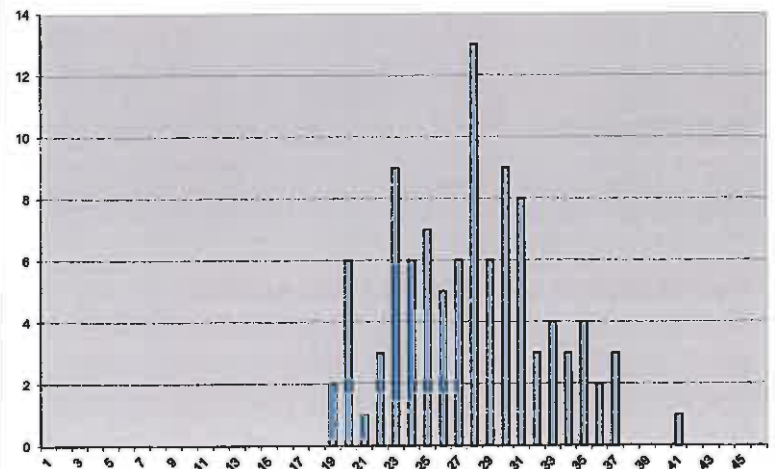
27.9

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	0	0.0%	0.0%
18	0	0.0%	0.0%
19	2	2.0%	2.0%
20	6	5.9%	7.9%
21	1	1.0%	8.9%
22	3	3.0%	11.9%
23	9	8.9%	20.8%
24	6	5.9%	26.7%
25	7	6.9%	33.7%
26	5	5.0%	38.6%
27	6	5.9%	44.6%
28	13	12.9%	57.4%
29	6	5.9%	63.4%
30	9	8.9%	72.3%
31	8	7.9%	80.2%
32	3	3.0%	83.2%
33	4	4.0%	87.1%
34	3	3.0%	90.1%
35	4	4.0%	94.1%
36	2	2.0%	96.0%
37	3	3.0%	99.0%
38	0	0.0%	99.0%
39	0	0.0%	99.0%
40	0	0.0%	99.0%
41	1	1.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

Street: Ocean St.

Limits: Felker to Graham Hill Rd.

City General Plan Roadway Classification: Arterial

Width: 35-feet

Critical Speed (85th percentile): 36 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2013 through 2017, 18 total, 5 injury

Adjacent Land Use: Primarily residential; cemetery

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph increment and segment meets residential density requirement of CVC 627 for a 5 mph reduction.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **30 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#49 OCEAN STREET (FELKER-

GRAHAM HILL) EB & WB

DATE

10/19/2015

TIME

2:00 PM

POSTED SPEED LIMIT

30

50TH PERCENTILE SPEED

32

85TH PERCENTILE SPEED

36

10 MPH PACE SPEED

27

TO 36

PERCENT IN PACE SPEED

83.0%

PERCENT OVER PACE SPEED

14.0%

PERCENT UNDER PACE SPEED

3.0%

RANGE OF SPEEDS

25

TO 46

VEHICLES OBSERVED

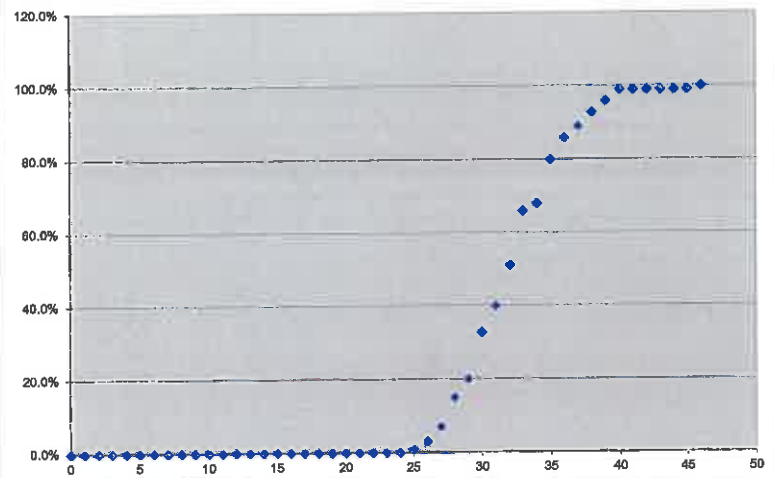
100

AVERAGE SPEED

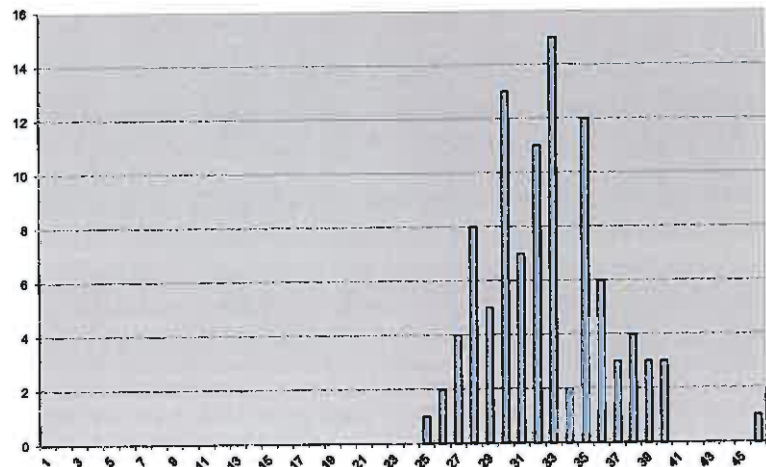
32.6

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	0	0.0%	0.0%
18	0	0.0%	0.0%
19	0	0.0%	0.0%
20	0	0.0%	0.0%
21	0	0.0%	0.0%
22	0	0.0%	0.0%
23	0	0.0%	0.0%
24	0	0.0%	0.0%
25	1	1.0%	1.0%
26	2	2.0%	3.0%
27	4	4.0%	7.0%
28	8	8.0%	15.0%
29	5	5.0%	20.0%
30	13	13.0%	33.0%
31	7	7.0%	40.0%
32	11	11.0%	51.0%
33	15	15.0%	66.0%
34	2	2.0%	68.0%
35	12	12.0%	80.0%
36	6	6.0%	86.0%
37	3	3.0%	89.0%
38	4	4.0%	93.0%
39	3	3.0%	96.0%
40	3	3.0%	99.0%
41	0	0.0%	99.0%
42	0	0.0%	99.0%
43	0	0.0%	99.0%
44	0	0.0%	99.0%
45	0	0.0%	99.0%
46	1	1.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





PUBLIC WORKS DEPARTMENT
Transportation Division

Street: Pacheco Ave

Limits: Rooney St. & Prospect Heights

City General Plan Roadway Classification: Collector

Width: 36-feet

Critical Speed (85th percentile): 36 mph

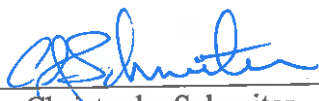
Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 2 total, 0 injury

Adjacent Land Use: Residential

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph increment and segment meets residential density requirement of CVC 627 for a 5 mph reduction.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#147 PACHECO AV. (ROONEY-

PROSPECT HTS) NB & SB

DATE

11/6/2017

TIME

10:45 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

23

85TH PERCENTILE SPEED

28

10 MPH PACE SPEED

19

TO 28

PERCENT IN PACE SPEED

81.7%

PERCENT OVER PACE SPEED

1.7%

PERCENT UNDER PACE SPEED

16.7%

RANGE OF SPEEDS

15

TO 30

VEHICLES OBSERVED

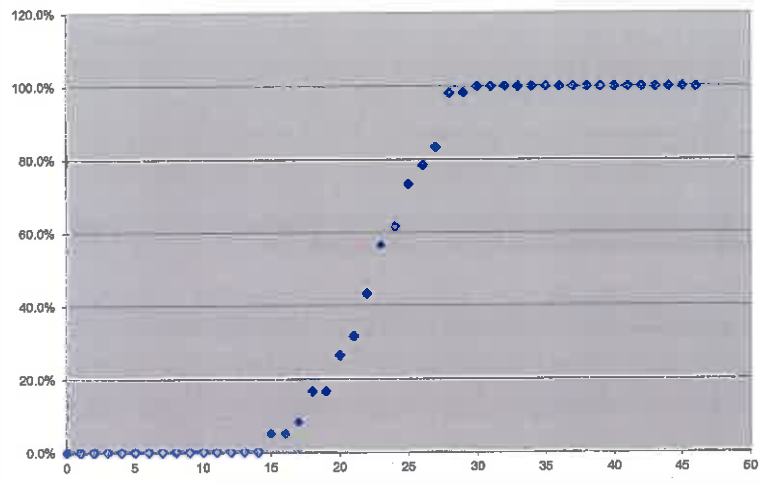
60

AVERAGE SPEED

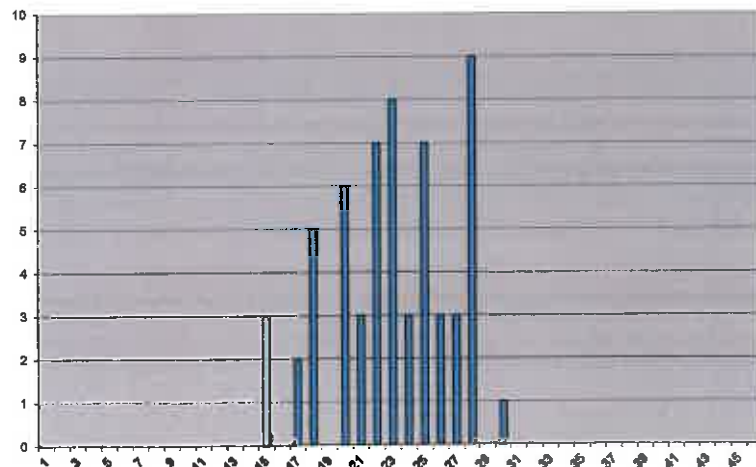
23.0

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	3	5.0%	5.0%
16	0	0.0%	5.0%
17	2	3.3%	8.3%
18	5	8.3%	16.7%
19	0	0.0%	16.7%
20	6	10.0%	26.7%
21	3	5.0%	31.7%
22	7	11.7%	43.3%
23	8	13.3%	56.7%
24	3	5.0%	61.7%
25	7	11.7%	73.3%
26	3	5.0%	78.3%
27	3	5.0%	83.3%
28	9	15.0%	98.3%
29	0	0.0%	98.3%
30	1	1.7%	100.0%
31	0	0.0%	100.0%
32	0	0.0%	100.0%
33	0	0.0%	100.0%
34	0	0.0%	100.0%
35	0	0.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

Street: Pacific Ave.

Limits: Beach St. to Front St (At 555 Pacific)

City General Plan Roadway Classification: Arterial

Width: 44-feet

Critical Speed (85th percentile): 28 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 23 total, 11 injury

Adjacent Land Use: Business

Speed reduction justification: CA MUTCD 2B-13 option 2) The speed limit may be rounded down to the nearest 5 mph increment below the 85th percentile speed, if no further reduction is used. Refer to CVC 21400 (b).

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#50 PACIFIC (BEACH - FRONT

AT 555 PACIFIC) EB & WB

DATE

9/27/2016

TIME

10:45 AM

POSTED SPEED LIMIT

(no sign)

25

50TH PERCENTILE SPEED

25

85TH PERCENTILE SPEED

28

10 MPH PACE SPEED

20

TO 29

PERCENT IN PACE SPEED

88.0%

PERCENT OVER PACE SPEED

9.0%

PERCENT UNDER PACE SPEED

3.0%

RANGE OF SPEEDS

18

TO 35

VEHICLES OBSERVED

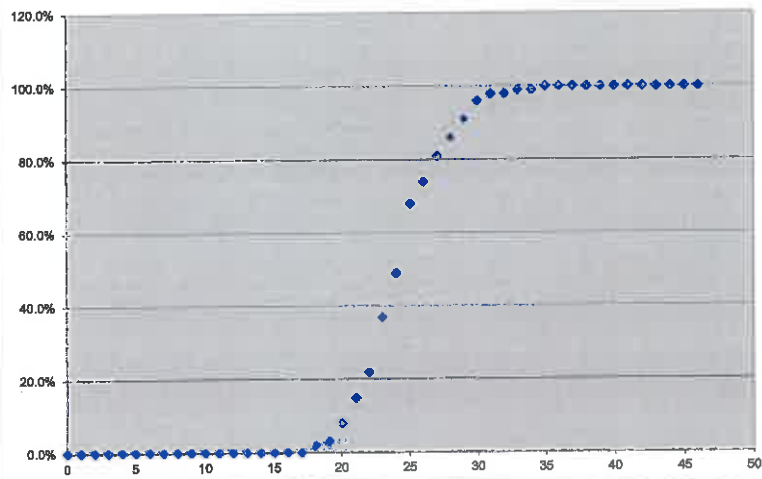
100

AVERAGE SPEED

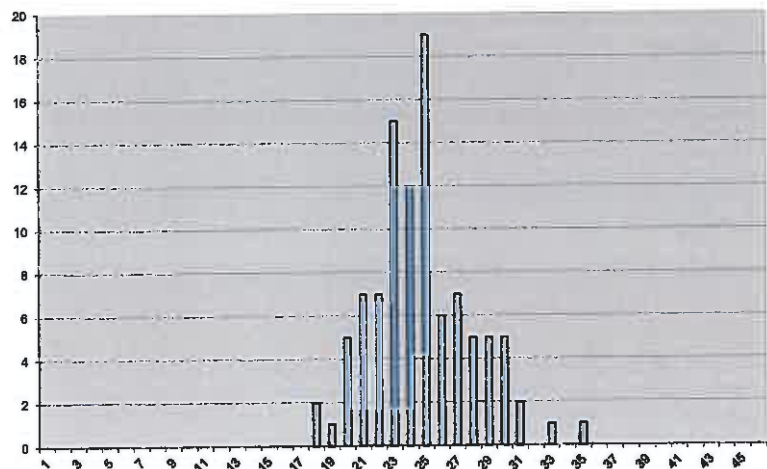
24.7

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	0	0.0%	0.0%
18	2	2.0%	2.0%
19	1	1.0%	3.0%
20	5	5.0%	8.0%
21	7	7.0%	15.0%
22	7	7.0%	22.0%
23	15	15.0%	37.0%
24	12	12.0%	49.0%
25	19	19.0%	68.0%
26	6	6.0%	74.0%
27	7	7.0%	81.0%
28	5	5.0%	86.0%
29	5	5.0%	91.0%
30	5	5.0%	96.0%
31	2	2.0%	98.0%
32	0	0.0%	98.0%
33	1	1.0%	99.0%
34	0	0.0%	99.0%
35	1	1.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





PUBLIC WORKS DEPARTMENT
Transportation Division

Street: Pelton Ave.

Limits: Woodrow Ave & National St.

City General Plan Roadway Classification: Local

Width: Varies 42-54 feet

Critical Speed (85th percentile): 24 mph

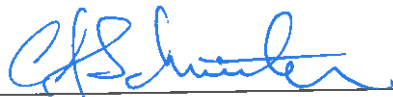
Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 2 total, 0 injury

Adjacent Land Use: Residential

Speed reduction justification: None required

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#51 PELTON (WOODROW-
NATIONAL) EB & WB

DATE

7/12/2016

TIME

10:15 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

21

85TH PERCENTILE SPEED

24

10 MPH PACE SPEED

16

TO 25

PERCENT IN PACE SPEED

86.9%

PERCENT OVER PACE SPEED

9.8%

PERCENT UNDER PACE SPEED

3.3%

RANGE OF SPEEDS

15

TO 30

VEHICLES OBSERVED

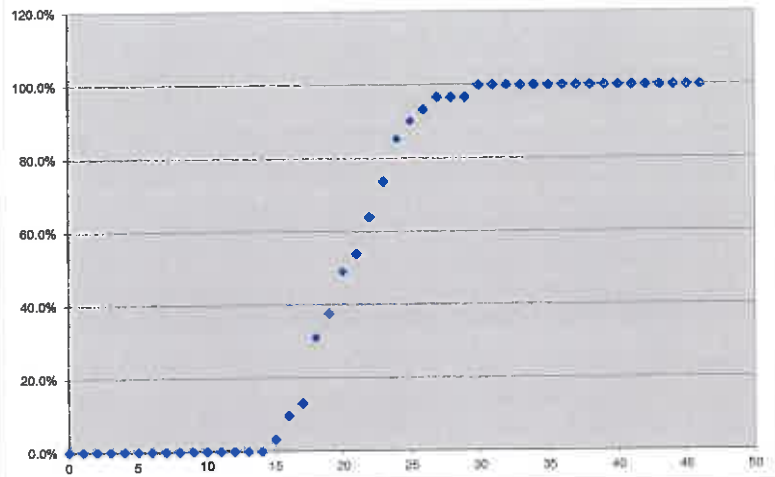
61

AVERAGE SPEED

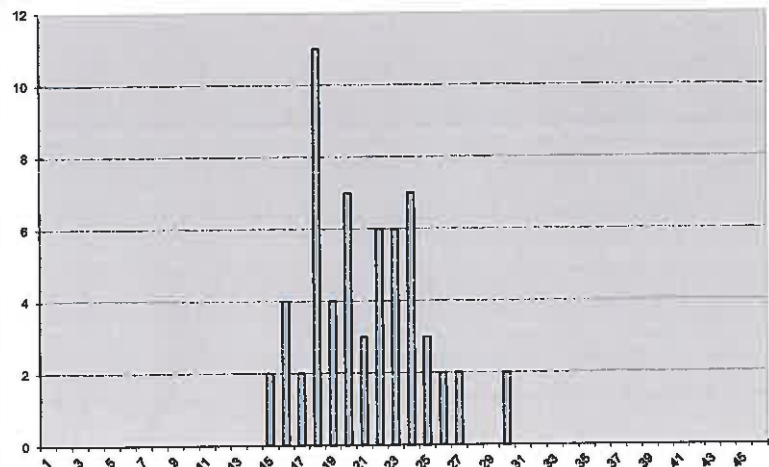
21.0

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	2	3.3%	3.3%
16	4	6.6%	9.8%
17	2	3.3%	13.1%
18	11	18.0%	31.1%
19	4	6.6%	37.7%
20	7	11.5%	49.2%
21	3	4.9%	54.1%
22	6	9.8%	63.9%
23	6	9.8%	73.8%
24	7	11.5%	85.2%
25	3	4.9%	90.2%
26	2	3.3%	93.4%
27	2	3.3%	96.7%
28	0	0.0%	96.7%
29	0	0.0%	96.7%
30	2	3.3%	100.0%
31	0	0.0%	100.0%
32	0	0.0%	100.0%
33	0	0.0%	100.0%
34	0	0.0%	100.0%
35	0	0.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

Street: Pelton Ave.

Limits: National St. & West Cliff Dr.

City General Plan Roadway Classification: Local

Width: 28-feet

Critical Speed (85th percentile): 23 mph

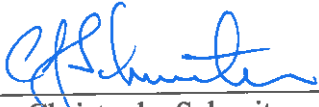
Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 1 total, 0 injury

Adjacent Land Use: Primarily residential; park

Speed reduction justification: None required

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#52 PELTON (NATIONAL-

WEST CLIFF) EB & WB

DATE

9/19/2016

TIME

10:03 AM

POSTED SPEED LIMIT

no sign

25

50TH PERCENTILE SPEED

20

85TH PERCENTILE SPEED

23

10 MPH PACE SPEED

15

TO 24

PERCENT IN PACE SPEED

93.8%

PERCENT OVER PACE SPEED

6.3%

PERCENT UNDER PACE SPEED

0.0%

RANGE OF SPEEDS

15

TO 32

VEHICLES OBSERVED

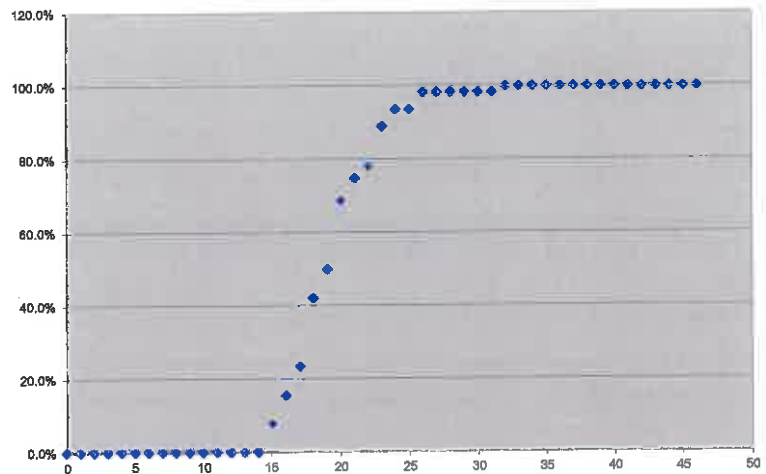
64

AVERAGE SPEED

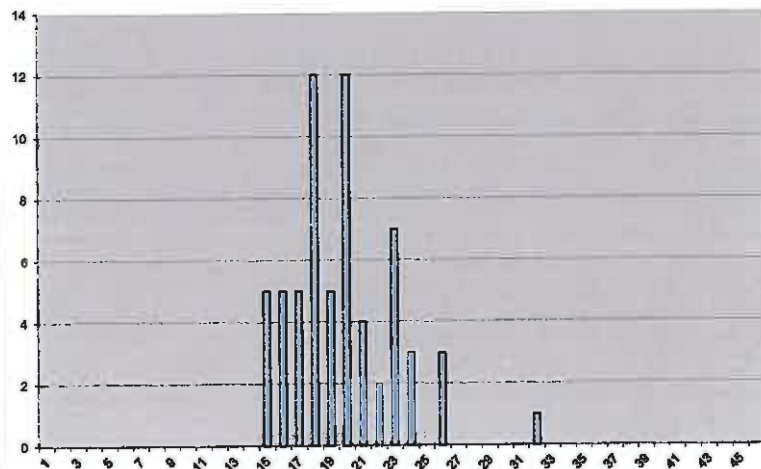
19.7

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	5	7.8%	7.8%
16	5	7.8%	15.6%
17	5	7.8%	23.4%
18	12	18.8%	42.2%
19	5	7.8%	50.0%
20	12	18.8%	68.8%
21	4	6.3%	75.0%
22	2	3.1%	78.1%
23	7	10.9%	89.1%
24	3	4.7%	93.8%
25	0	0.0%	93.8%
26	3	4.7%	98.4%
27	0	0.0%	98.4%
28	0	0.0%	98.4%
29	0	0.0%	98.4%
30	0	0.0%	98.4%
31	0	0.0%	98.4%
32	1	1.6%	100.0%
33	0	0.0%	100.0%
34	0	0.0%	100.0%
35	0	0.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

Street: Pine St.

Limits: Soquel Ave. & Seabright Ave.

City General Plan Roadway Classification: Collector

Width: 36-feet

Critical Speed (85th percentile): 26 mph

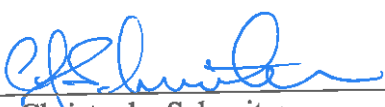
Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2013 through 2017, 6 total, 2 injury

Adjacent Land Use: Residential

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph increment.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#149 PINE ST. (SOQUEL-

SEABRIGHT) NB & SB

DATE

1/8/2018

TIME

1:28 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

21

85TH PERCENTILE SPEED

26

10 MPH PACE SPEED

15

TO 24

PERCENT IN PACE SPEED

71.7%

PERCENT OVER PACE SPEED

28.3%

PERCENT UNDER PACE SPEED

0.0%

RANGE OF SPEEDS

15

TO 29

VEHICLES OBSERVED

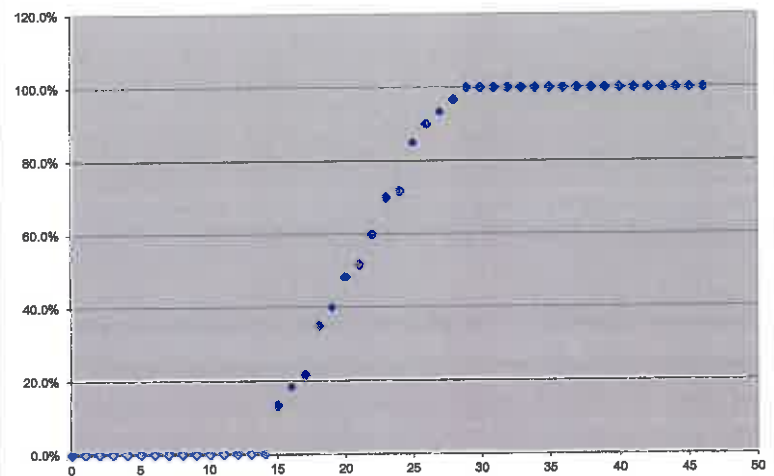
60

AVERAGE SPEED

21.1

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	8	13.3%	13.3%
16	3	5.0%	18.3%
17	2	3.3%	21.7%
18	8	13.3%	35.0%
19	3	5.0%	40.0%
20	5	8.3%	48.3%
21	2	3.3%	51.7%
22	5	8.3%	60.0%
23	6	10.0%	70.0%
24	1	1.7%	71.7%
25	8	13.3%	85.0%
26	3	5.0%	90.0%
27	2	3.3%	93.3%
28	2	3.3%	96.7%
29	2	3.3%	100.0%
30	0	0.0%	100.0%
31	0	0.0%	100.0%
32	0	0.0%	100.0%
33	0	0.0%	100.0%
34	0	0.0%	100.0%
35	0	0.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





PUBLIC WORKS DEPARTMENT
Transportation Division

Street: Poplar Ave.

Limits: Fairmount Ave. & Water St.

City General Plan Roadway Classification: Local

Width: 47-feet

Critical Speed (85th percentile): 23 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 5 total, 2 injury

Adjacent Land Use: Primarily residential, School Zone

Speed reduction justification: None required.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/6/18

Vehicle Speed Survey Sheet

DIRECTIONS

DATE

TIME

POSTED SPEED LIMIT

#53 POPLAR (FAIRMOUNT-

WATER) NB & SB

9/27/2016

10:45 AM

(no sign)

25

50TH PERCENTILE SPEED

85TH PERCENTILE SPEED

10 MPH PACE SPEED

PERCENT IN PACE SPEED

PERCENT OVER PACE SPEED

PERCENT UNDER PACE SPEED

RANGE OF SPEEDS

VEHICLES OBSERVED

AVERAGE SPEED

20

23

15

TO 24

91.9%

8.1%

0.0%

15

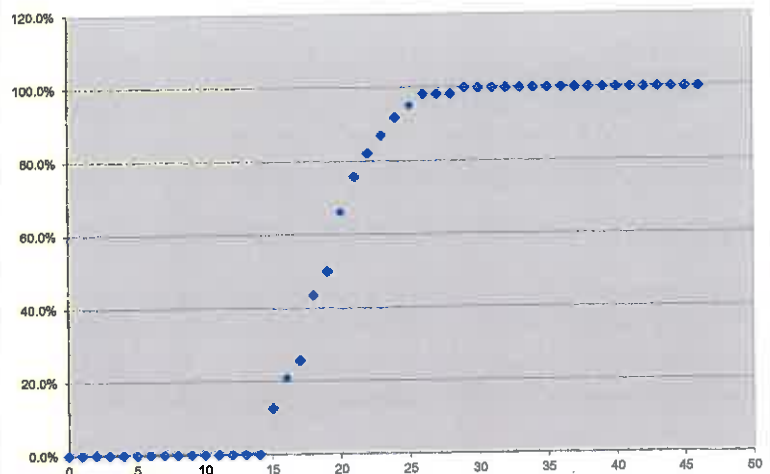
TO 29

62

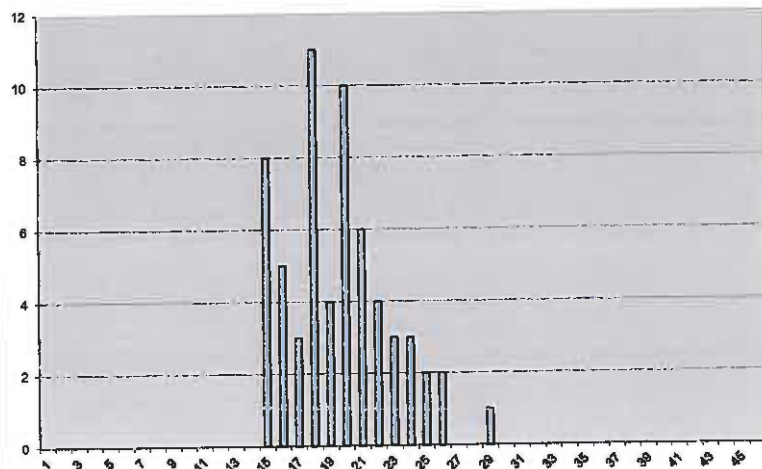
19.5

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	8	12.9%	12.9%
16	5	8.1%	21.0%
17	3	4.8%	25.8%
18	11	17.7%	43.5%
19	4	6.5%	50.0%
20	10	16.1%	66.1%
21	6	9.7%	75.8%
22	4	6.5%	82.3%
23	3	4.8%	87.1%
24	3	4.8%	91.9%
25	2	3.2%	95.2%
26	2	3.2%	98.4%
27	0	0.0%	98.4%
28	0	0.0%	98.4%
29	1	1.6%	100.0%
30	0	0.0%	100.0%
31	0	0.0%	100.0%
32	0	0.0%	100.0%
33	0	0.0%	100.0%
34	0	0.0%	100.0%
35	0	0.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

Street: Prospect Heights

Limits: Pacheco Ave. & La Fonda Ave.

City General Plan Roadway Classification: Collector

Width: 36-feet

Critical Speed (85th percentile): 25 mph

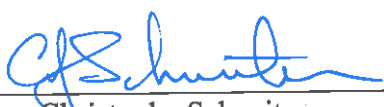
Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 1 total, 0 injury

Adjacent Land Use: Primarily residential, School Zone

Speed reduction justification: None required.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

DATE

TIME

POSTED SPEED LIMIT

#54 PROSPECT HEIGHTS
(PACHECO-LA FONDA) EB &
WB

6/20/2016

11:00 AM

(no sign) 25

50TH PERCENTILE SPEED

85TH PERCENTILE SPEED

10 MPH PACE SPEED

PERCENT IN PACE SPEED

PERCENT OVER PACE SPEED

PERCENT UNDER PACE SPEED

RANGE OF SPEEDS

VEHICLES OBSERVED

AVERAGE SPEED

22

25

17

86.2%

6.2%

7.7%

15

65

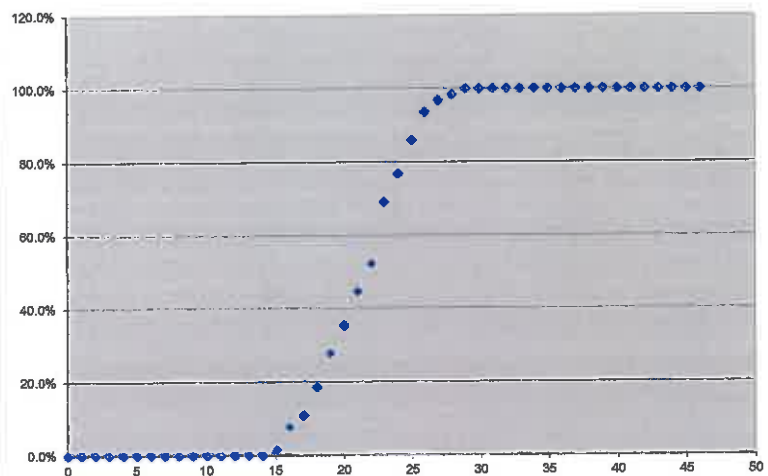
21.8

TO 26

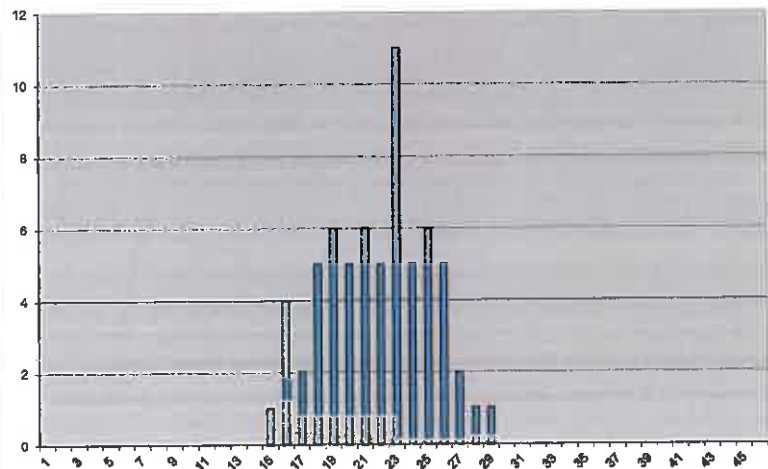
TO 29

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	1	1.5%	1.5%
16	4	6.2%	7.7%
17	2	3.1%	10.8%
18	5	7.7%	18.5%
19	6	9.2%	27.7%
20	5	7.7%	35.4%
21	6	9.2%	44.6%
22	5	7.7%	52.3%
23	11	16.9%	69.2%
24	5	7.7%	76.9%
25	6	9.2%	86.2%
26	5	7.7%	93.8%
27	2	3.1%	96.9%
28	1	1.5%	98.5%
29	1	1.5%	100.0%
30	0	0.0%	100.0%
31	0	0.0%	100.0%
32	0	0.0%	100.0%
33	0	0.0%	100.0%
34	0	0.0%	100.0%
35	0	0.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

Street: River St.

Limits: Route 1 to Front St.

City General Plan Roadway Classification: Arterial

Width: 53-feet

Critical Speed (85th percentile): 28 mph

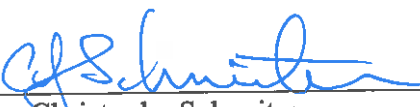
Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 40 total, 24 injury

Adjacent Land Use: Business

Speed reduction justification: CA MUTCD 2B-13 option 2) The speed limit may be rounded down to the nearest 5 mph increment below the 85th percentile speed, if no further reduction is used. Refer to CVC 21400 (b).

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#55 RIVER ST. (RT. 1-FRONT)

NB & SB

DATE

2/26/2016

TIME

10:58 PM

POSTED SPEED LIMIT

SIGN-25

50TH PERCENTILE SPEED

23

85TH PERCENTILE SPEED

28

10 MPH PACE SPEED

18

TO 27

PERCENT IN PACE SPEED

73.0%

PERCENT OVER PACE SPEED

16.0%

PERCENT UNDER PACE SPEED

11.0%

RANGE OF SPEEDS

15

TO 36

VEHICLES OBSERVED

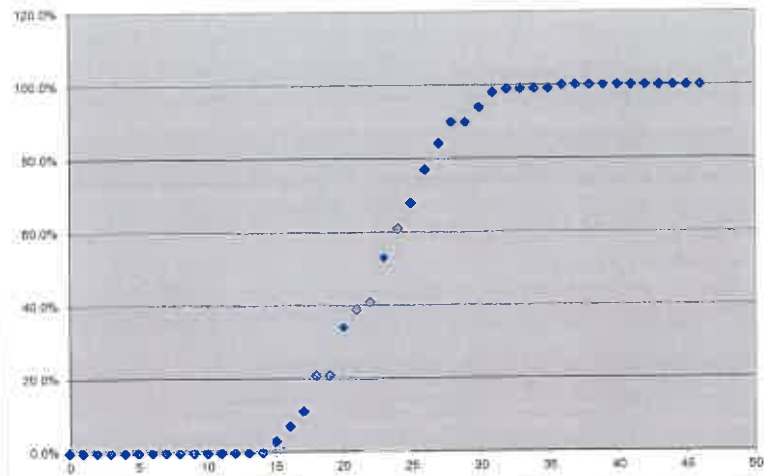
100

AVERAGE SPEED

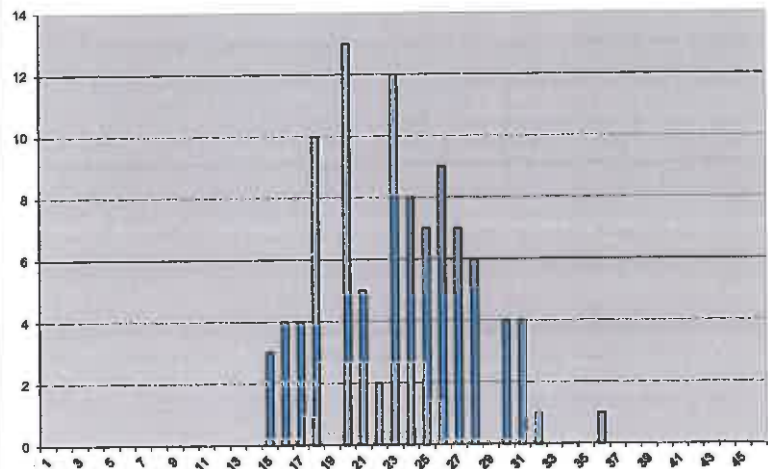
23.1

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	3	3.0%	3.0%
16	4	4.0%	7.0%
17	4	4.0%	11.0%
18	10	10.0%	21.0%
19	0	0.0%	21.0%
20	13	13.0%	34.0%
21	5	5.0%	39.0%
22	2	2.0%	41.0%
23	12	12.0%	53.0%
24	8	8.0%	61.0%
25	7	7.0%	68.0%
26	9	9.0%	77.0%
27	7	7.0%	84.0%
28	6	6.0%	90.0%
29	0	0.0%	90.0%
30	4	4.0%	94.0%
31	4	4.0%	98.0%
32	1	1.0%	99.0%
33	0	0.0%	99.0%
34	0	0.0%	99.0%
35	0	0.0%	99.0%
36	1	1.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

Street: Riverside Ave.

Limits: Campbell St. & Beach St.

City General Plan Roadway Classification: Arterial

Width: 40-feet

Critical Speed (85th percentile): 27 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 6 total, 2 injury

Adjacent Land Use: Residential, business

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph increment.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#153 RIVERSIDE . (CAMBELL-

BEACH) SB

DATE

12/26/2017

TIME

11:30 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

23

85TH PERCENTILE SPEED

27

10 MPH PACE SPEED

19

TO 28

PERCENT IN PACE SPEED

91.7%

PERCENT OVER PACE SPEED

8.3%

PERCENT UNDER PACE SPEED

0.0%

RANGE OF SPEEDS

20

TO 35

VEHICLES OBSERVED

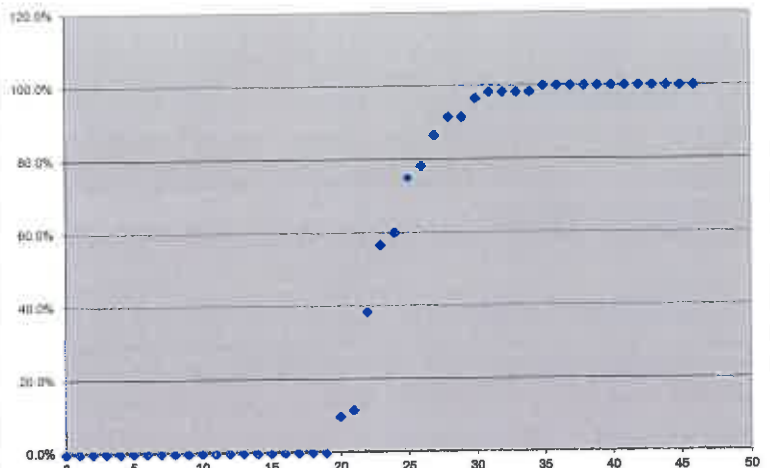
60

AVERAGE SPEED

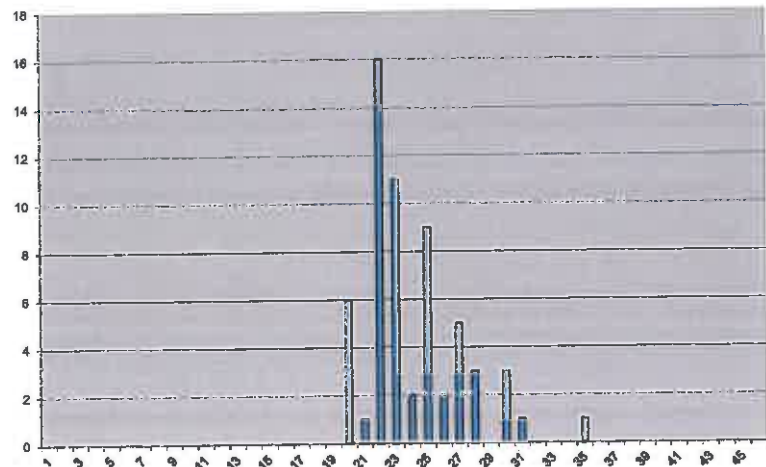
24.1

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	0	0.0%	0.0%
18	0	0.0%	0.0%
19	0	0.0%	0.0%
20	6	10.0%	10.0%
21	1	1.7%	11.7%
22	16	26.7%	38.3%
23	11	18.3%	56.7%
24	2	3.3%	60.0%
25	9	15.0%	75.0%
26	2	3.3%	78.3%
27	5	8.3%	86.7%
28	3	5.0%	91.7%
29	0	0.0%	91.7%
30	3	5.0%	96.7%
31	1	1.7%	98.3%
32	0	0.0%	98.3%
33	0	0.0%	98.3%
34	0	0.0%	98.3%
35	1	1.7%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

Street: Rooney St.

Limits: Gilbert Lane & Elk St.

City General Plan Roadway Classification: Collector

Width: 27-feet

Critical Speed (85th percentile): 24 mph

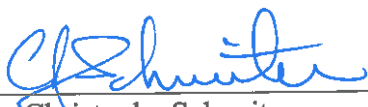
Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 2 total, 0 injury

Adjacent Land Use: Primarily residential

Speed reduction justification: None required.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#56 ROONEY (GILBERT-ELK)

EB & WB

DATE

10/19/2015

TIME

2:00 PM

POSTED SPEED LIMIT

(no sign) 25

50TH PERCENTILE SPEED

21

85TH PERCENTILE SPEED

24

10 MPH PACE SPEED

15

TO 24

PERCENT IN PACE SPEED

90.0%

PERCENT OVER PACE SPEED

10.0%

PERCENT UNDER PACE SPEED

0.0%

RANGE OF SPEEDS

15

TO 29

VEHICLES OBSERVED

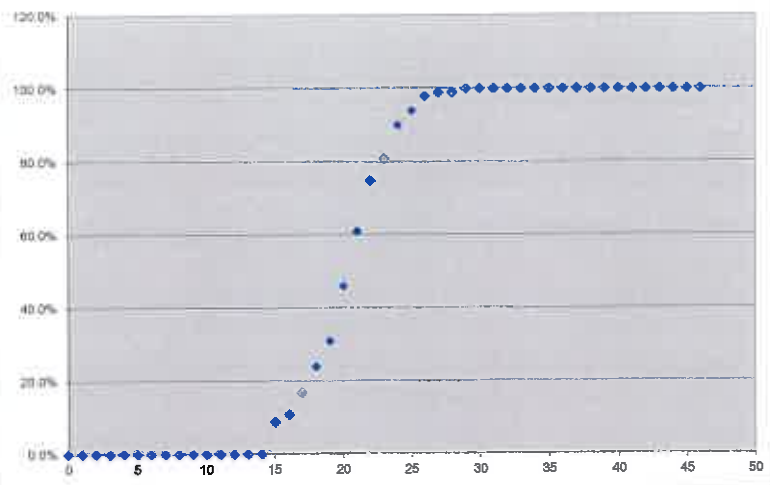
100

AVERAGE SPEED

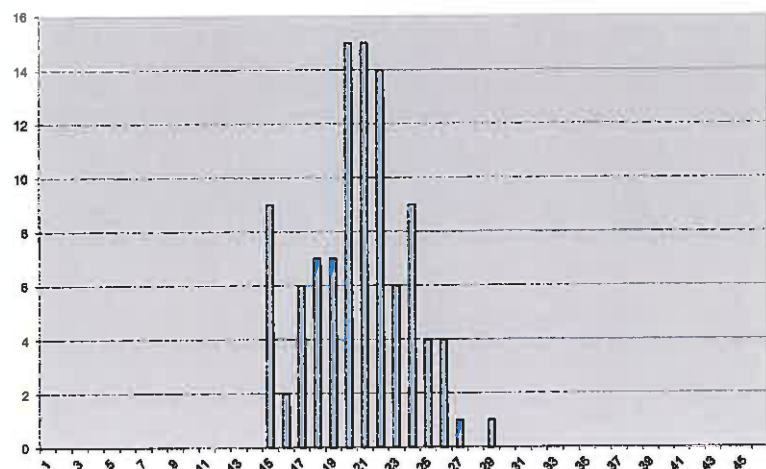
20.7

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	9	9.0%	9.0%
16	2	2.0%	11.0%
17	6	6.0%	17.0%
18	7	7.0%	24.0%
19	7	7.0%	31.0%
20	15	15.0%	46.0%
21	15	15.0%	61.0%
22	14	14.0%	75.0%
23	6	6.0%	81.0%
24	9	9.0%	90.0%
25	4	4.0%	94.0%
26	4	4.0%	98.0%
27	1	1.0%	99.0%
28	0	0.0%	99.0%
29	1	1.0%	100.0%
30	0	0.0%	100.0%
31	0	0.0%	100.0%
32	0	0.0%	100.0%
33	0	0.0%	100.0%
34	0	0.0%	100.0%
35	0	0.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

Street: Seabright Ave.

Limits: Water St. & Murray St.

City General Plan Roadway Classification: Arterial

Width: Varies 36 to 44 feet

Critical Speed (85th percentile): 31 mph

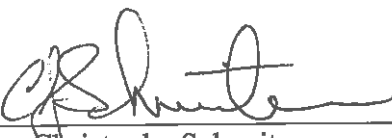
Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 40 total, 21 injury

Adjacent Land Use: Primarily residential

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph increment and segment meets residential density requirement of CVC 627 for a 5 mph reduction.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/24/18

Vehicle Speed Survey Sheet

DIRECTIONS

#57 SEABRIGHT (WATER-

MURRAY) NB & SB

DATE

2/8/2016

TIME

2:15 PM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

27

85TH PERCENTILE SPEED

31

10 MPH PACE SPEED

23

TO 32

PERCENT IN PACE SPEED

92.0%

PERCENT OVER PACE SPEED

2.0%

PERCENT UNDER PACE SPEED

6.0%

RANGE OF SPEEDS

21

TO 37

VEHICLES OBSERVED

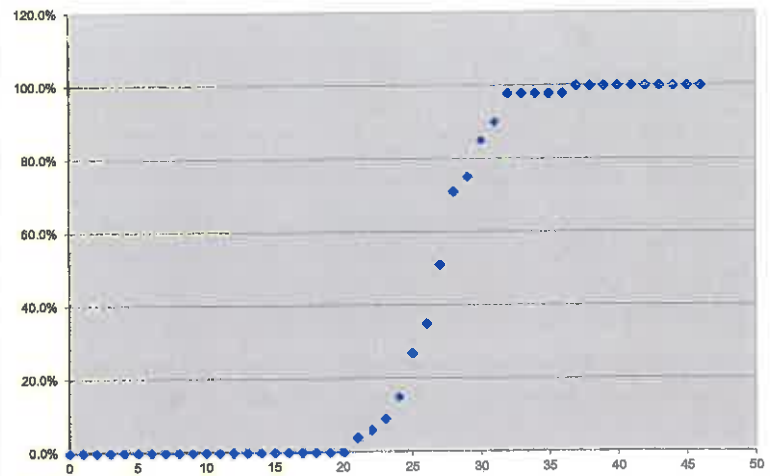
100

AVERAGE SPEED

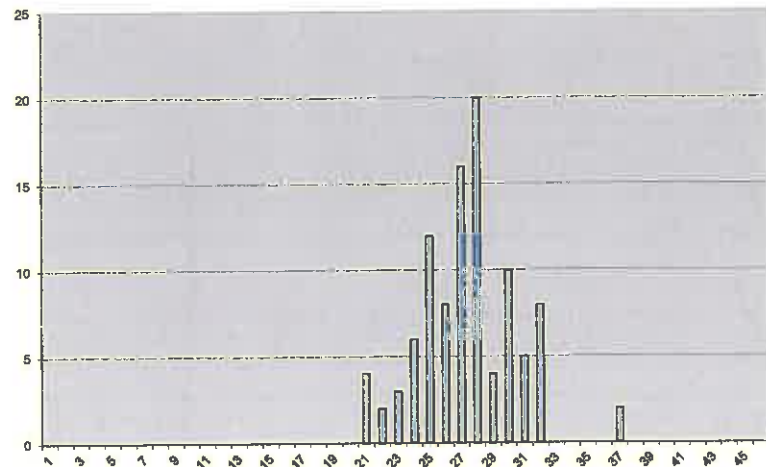
27.4

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	0	0.0%	0.0%
18	0	0.0%	0.0%
19	0	0.0%	0.0%
20	0	0.0%	0.0%
21	4	4.0%	4.0%
22	2	2.0%	6.0%
23	3	3.0%	9.0%
24	6	6.0%	15.0%
25	12	12.0%	27.0%
26	8	8.0%	35.0%
27	16	16.0%	51.0%
28	20	20.0%	71.0%
29	4	4.0%	75.0%
30	10	10.0%	85.0%
31	5	5.0%	90.0%
32	8	8.0%	98.0%
33	0	0.0%	98.0%
34	0	0.0%	98.0%
35	0	0.0%	98.0%
36	0	0.0%	98.0%
37	2	2.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

Street: Second St.

Limits: Riverside Ave. to Pacific

City General Plan Roadway Classification: Arterial

Width: 46-feet

Critical Speed (85th percentile): 27 mph

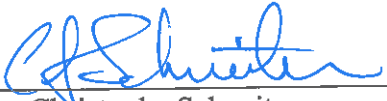
Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 3 total, 1 injury

Adjacent Land Use: Primarily residential, business

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph increment.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#58 SECOND (RIVERSIDE-

PACIFIC) EB & WB

DATE

10/20/2016

TIME

11:00 AM

POSTED SPEED LIMIT

(no sign)

25

50TH PERCENTILE SPEED

22

85TH PERCENTILE SPEED

27

10 MPH PACE SPEED

16

TO 25

PERCENT IN PACE SPEED

78.0%

PERCENT OVER PACE SPEED

19.0%

PERCENT UNDER PACE SPEED

3.0%

RANGE OF SPEEDS

15

TO 35

VEHICLES OBSERVED

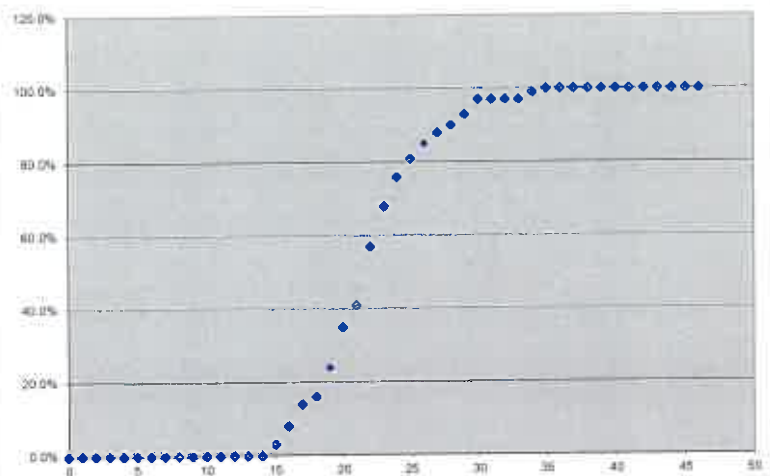
100

AVERAGE SPEED

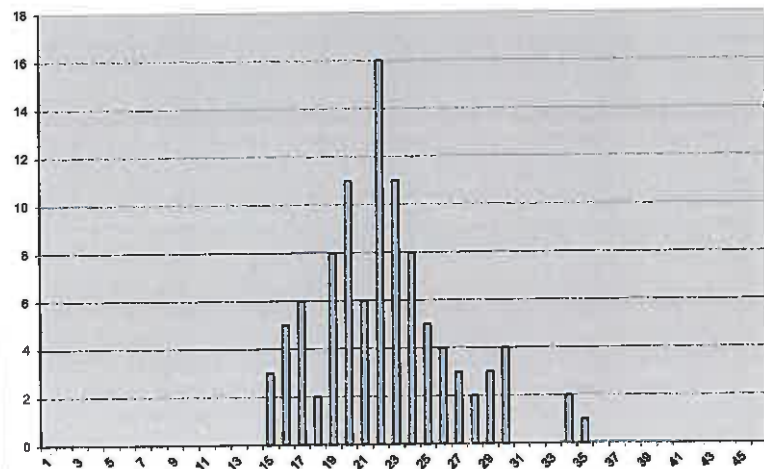
22.3

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	3	3.0%	3.0%
16	5	5.0%	8.0%
17	6	6.0%	14.0%
18	2	2.0%	16.0%
19	8	8.0%	24.0%
20	11	11.0%	35.0%
21	6	6.0%	41.0%
22	16	16.0%	57.0%
23	11	11.0%	68.0%
24	8	8.0%	76.0%
25	5	5.0%	81.0%
26	4	4.0%	85.0%
27	3	3.0%	88.0%
28	2	2.0%	90.0%
29	3	3.0%	93.0%
30	4	4.0%	97.0%
31	0	0.0%	97.0%
32	0	0.0%	97.0%
33	0	0.0%	97.0%
34	2	2.0%	99.0%
35	1	1.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

Street: Soquel Ave.

Limits: Ocean St. to Front St.

City General Plan Roadway Classification: Arterial

Width: 52-feet

Critical Speed (85th percentile): 26 mph

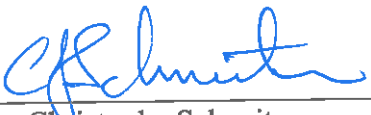
Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 17 total, 9 injury

Adjacent Land Use: Primarily residential

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph increment.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#74 SOQUEL (OCEAN-FRONT)

EB & WB

DATE

6/16/2016

TIME

9:25 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

22

85TH PERCENTILE SPEED

26

10 MPH PACE SPEED

18

TO 27

PERCENT IN PACE SPEED

88.0%

PERCENT OVER PACE SPEED

9.0%

PERCENT UNDER PACE SPEED

3.0%

RANGE OF SPEEDS

17

TO 31

VEHICLES OBSERVED

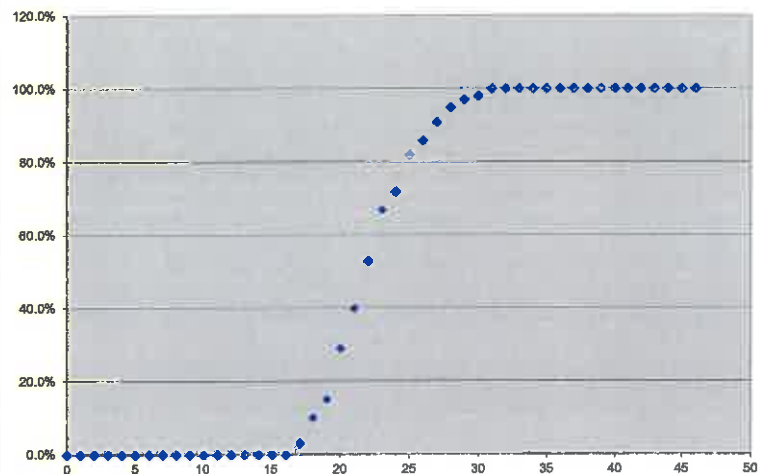
100

AVERAGE SPEED

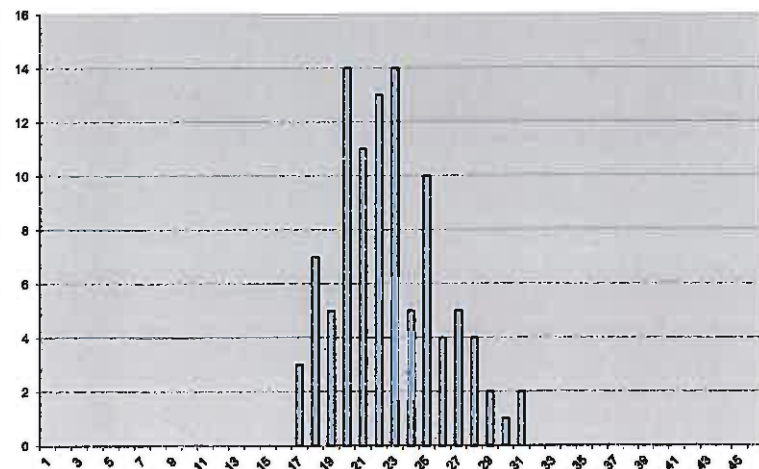
22.6

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	3	3.0%	3.0%
18	7	7.0%	10.0%
19	5	5.0%	15.0%
20	14	14.0%	29.0%
21	11	11.0%	40.0%
22	13	13.0%	53.0%
23	14	14.0%	67.0%
24	5	5.0%	72.0%
25	10	10.0%	82.0%
26	4	4.0%	86.0%
27	5	5.0%	91.0%
28	4	4.0%	95.0%
29	2	2.0%	97.0%
30	1	1.0%	98.0%
31	2	2.0%	100.0%
32	0	0.0%	100.0%
33	0	0.0%	100.0%
34	0	0.0%	100.0%
35	0	0.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

Street: Soquel Ave.

Limits: Ocean St. & Morrissey Blvd.

City General Plan Roadway Classification: Arterial

Width: 57-feet

Critical Speed (85th percentile): 28 mph

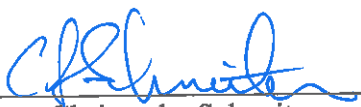
Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 67 total, 38 injury

Adjacent Land Use: Primarily residential

Speed reduction justification: CA MUTCD 2B-13 option 2) The speed limit may be rounded down to the nearest 5 mph increment below the 85th percentile speed, if no further reduction is used. Refer to CVC 21400 (b).

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#59 SOQUEL AVE. (OCEAN-

MORRISSEY) EB & WB

DATE

5/16/2016

TIME

NOON

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

24

85TH PERCENTILE SPEED

28

10 MPH PACE SPEED

19

TO 28

PERCENT IN PACE SPEED

85.0%

PERCENT OVER PACE SPEED

11.0%

PERCENT UNDER PACE SPEED

4.0%

TO 32

RANGE OF SPEEDS

17

VEHICLES OBSERVED

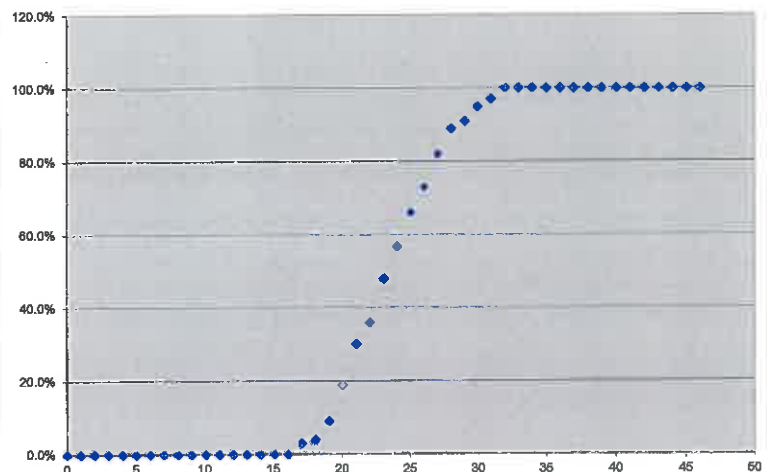
100

AVERAGE SPEED

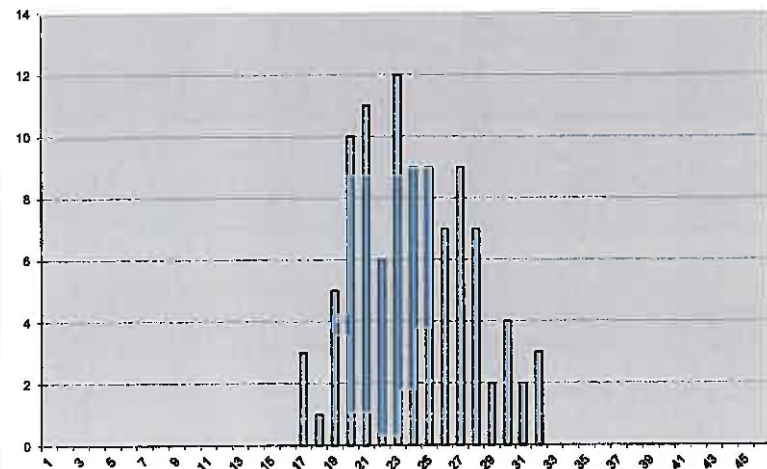
24.0

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	3	3.0%	3.0%
18	1	1.0%	4.0%
19	5	5.0%	9.0%
20	10	10.0%	19.0%
21	11	11.0%	30.0%
22	6	6.0%	36.0%
23	12	12.0%	48.0%
24	9	9.0%	57.0%
25	9	9.0%	66.0%
26	7	7.0%	73.0%
27	9	9.0%	82.0%
28	7	7.0%	89.0%
29	2	2.0%	91.0%
30	4	4.0%	95.0%
31	2	2.0%	97.0%
32	3	3.0%	100.0%
33	0	0.0%	100.0%
34	0	0.0%	100.0%
35	0	0.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

Street: Soquel Ave.

Limits: Morrissey Blvd. & East City Limit

City General Plan Roadway Classification: Arterial

Width: 60 - 64 feet

Critical Speed (85th percentile): 31 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 70 total, 1 fatal, 52 injury

Adjacent Land Use: Business, school zone on east end

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph increment and segment meets business density requirement of CVC 627 for a 5 mph reduction.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/13

Vehicle Speed Survey Sheet

DIRECTIONS

#60 SOQUEL (MORRISEY-

EAST CITY LIMIT) EB & WB

DATE

5/23/2016

TIME

11:40 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

26

85TH PERCENTILE SPEED

31

10 MPH PACE SPEED

22

TO 31

PERCENT IN PACE SPEED

77.4%

PERCENT OVER PACE SPEED

14.2%

PERCENT UNDER PACE SPEED

8.5%

RANGE OF SPEEDS

17

TO 38

VEHICLES OBSERVED

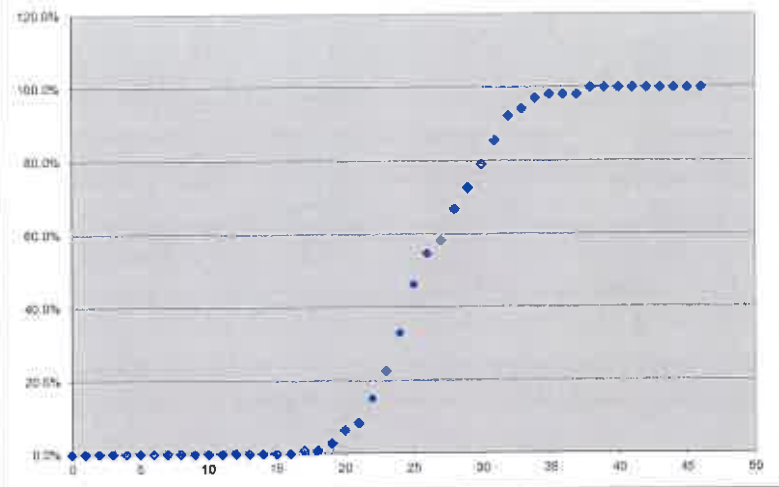
106

AVERAGE SPEED

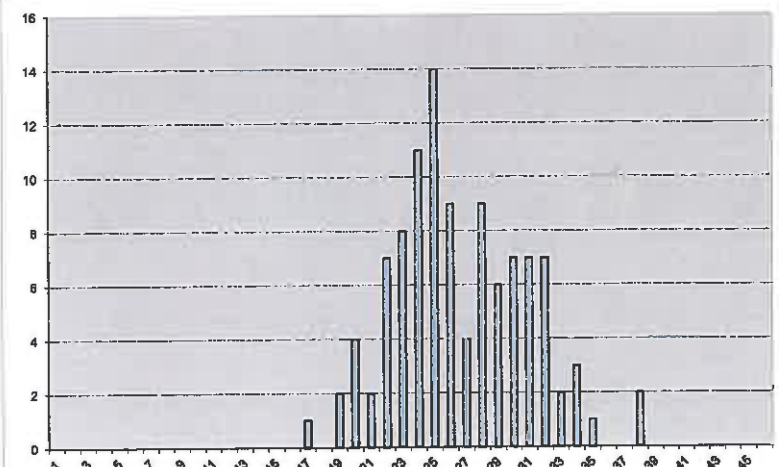
26.7

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	1	0.9%	0.9%
18	0	0.0%	0.9%
19	2	1.9%	2.8%
20	4	3.8%	6.6%
21	2	1.9%	8.5%
22	7	6.6%	15.1%
23	8	7.5%	22.6%
24	11	10.4%	33.0%
25	14	13.2%	46.2%
26	9	8.5%	54.7%
27	4	3.8%	58.5%
28	9	8.5%	67.0%
29	6	5.7%	72.6%
30	7	6.6%	79.2%
31	7	6.6%	85.8%
32	7	6.6%	92.5%
33	2	1.9%	94.3%
34	3	2.8%	97.2%
35	1	0.9%	98.1%
36	0	0.0%	98.1%
37	0	0.0%	98.1%
38	2	1.9%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

Street: Spring St.

Limits: High St. to North End

City General Plan Roadway Classification: Collector

Width: 40-feet

Critical Speed (85th percentile): 30 mph

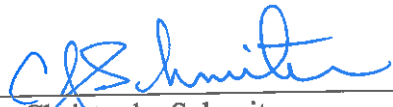
Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2013 through 2017, 3 total, 1 injury

Adjacent Land Use: Residential

Speed reduction justification: CA MUTCD 2B-13 Segment meets residential density requirement of CVC 627 for a 5 mph reduction.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#157 SPRING ST. (NORTH

END-HIGH) NB & SB

DATE

11/30/2017

TIME

10:00 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

27

85TH PERCENTILE SPEED

30

10 MPH PACE SPEED

23

TO 32

PERCENT IN PACE SPEED

88.9%

PERCENT OVER PACE SPEED

1.6%

PERCENT UNDER PACE SPEED

9.5%

RANGE OF SPEEDS

20

TO 35

VEHICLES OBSERVED

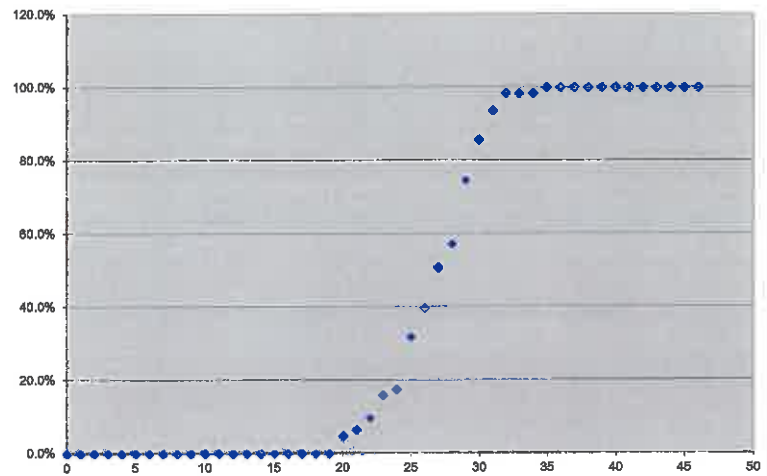
63

AVERAGE SPEED

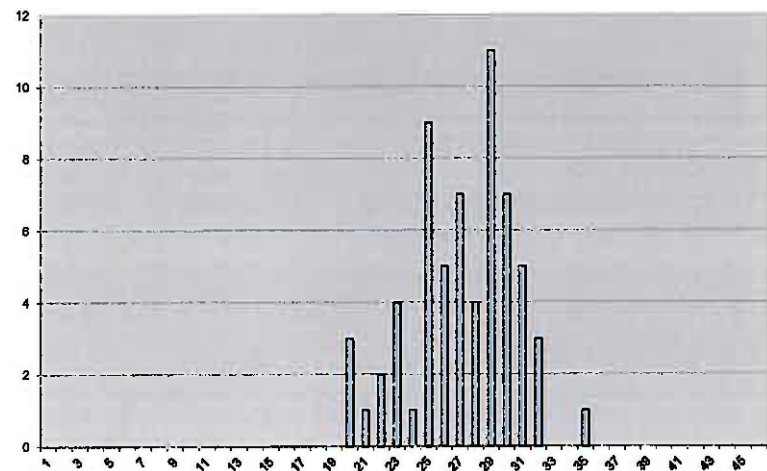
27.2

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	0	0.0%	0.0%
18	0	0.0%	0.0%
19	0	0.0%	0.0%
20	3	4.8%	4.8%
21	1	1.6%	6.3%
22	2	3.2%	9.5%
23	4	6.3%	15.9%
24	1	1.6%	17.5%
25	9	14.3%	31.7%
26	5	7.9%	39.7%
27	7	11.1%	50.8%
28	4	6.3%	57.1%
29	11	17.5%	74.6%
30	7	11.1%	85.7%
31	5	7.9%	93.7%
32	3	4.8%	98.4%
33	0	0.0%	98.4%
34	0	0.0%	98.4%
35	1	1.6%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

Street: Stanford Ave.

Limits: Chilverton St. & Water St.

City General Plan Roadway Classification: Local

Width: 47-feet

Critical Speed (85th percentile): 25 mph

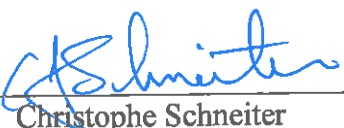
Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 2 total, 1 injury

Adjacent Land Use: Residential

Speed reduction justification: None required

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#61 STANFORD (CHILVERTON-

WATER) NB & SB

DATE

10/29/2015

TIME

2:00 AM

POSTED SPEED LIMIT

(no sign) 25

50TH PERCENTILE SPEED

21

85TH PERCENTILE SPEED

25

10 MPH PACE SPEED

16

TO 25

PERCENT IN PACE SPEED

91.7%

PERCENT OVER PACE SPEED

5.0%

PERCENT UNDER PACE SPEED

3.3%

RANGE OF SPEEDS

15

TO 30

VEHICLES OBSERVED

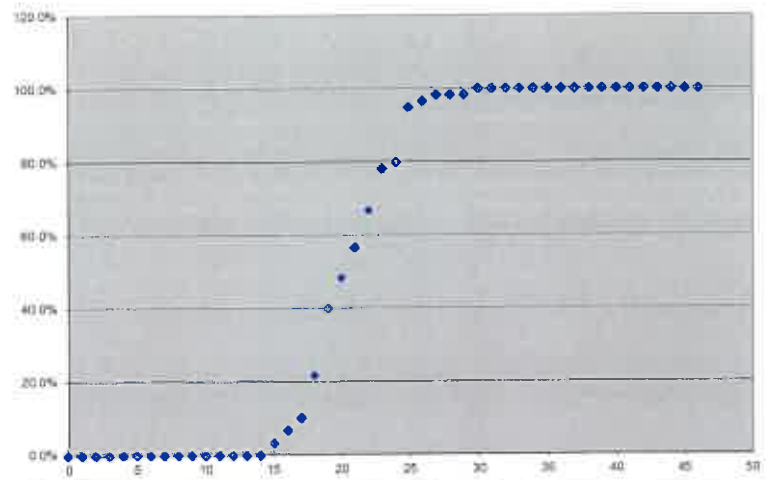
60

AVERAGE SPEED

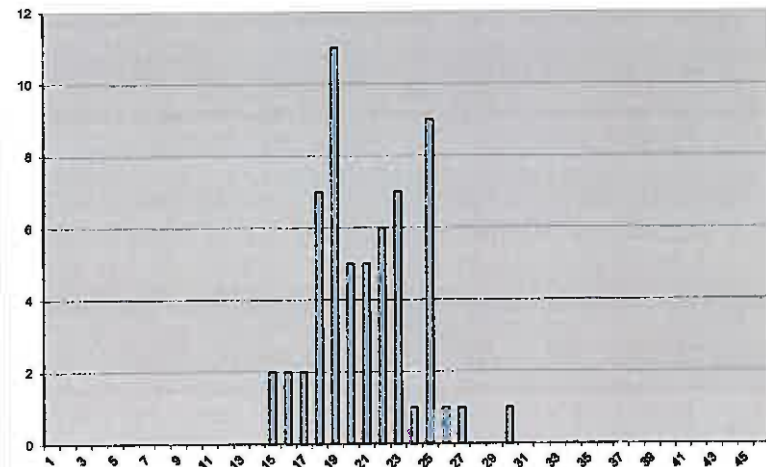
21.0

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	2	3.3%	3.3%
16	2	3.3%	6.7%
17	2	3.3%	10.0%
18	7	11.7%	21.7%
19	11	18.3%	40.0%
20	5	8.3%	48.3%
21	5	8.3%	56.7%
22	6	10.0%	66.7%
23	7	11.7%	78.3%
24	1	1.7%	80.0%
25	9	15.0%	95.0%
26	1	1.7%	96.7%
27	1	1.7%	98.3%
28	0	0.0%	98.3%
29	0	0.0%	98.3%
30	1	1.7%	100.0%
31	0	0.0%	100.0%
32	0	0.0%	100.0%
33	0	0.0%	100.0%
34	0	0.0%	100.0%
35	0	0.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

Street: Swanton Blvd.

Limits: West Cliff Dr. & Delaware Ave.

City General Plan Roadway Classification: Collector

Width: 62-feet

Critical Speed (85th percentile): 27 mph

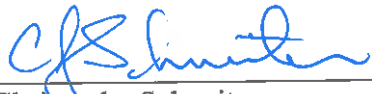
Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 2 total, 1 injury

Adjacent Land Use: Primarily residential, Park

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph increment.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#62 SWANTON (WEST CLIFF-

DELAWARE) NB & SB

DATE

8/15/2016

TIME

1:15 PM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

23

85TH PERCENTILE SPEED

27

10 MPH PACE SPEED

18

TO 27

PERCENT IN PACE SPEED

84.0%

PERCENT OVER PACE SPEED

10.0%

PERCENT UNDER PACE SPEED

6.0%

RANGE OF SPEEDS

16

TO 34

VEHICLES OBSERVED

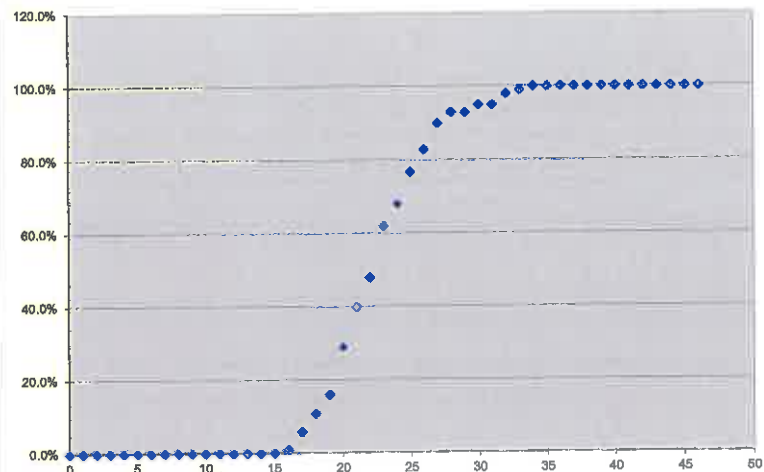
100

AVERAGE SPEED

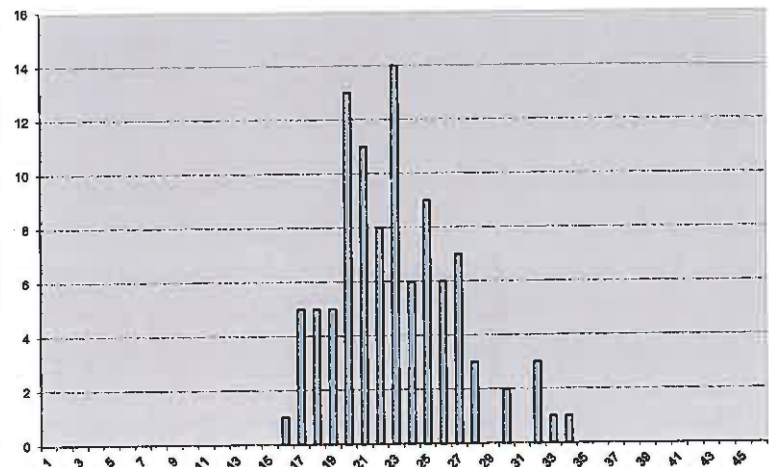
23.0

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	1	1.0%	1.0%
17	5	5.0%	6.0%
18	5	5.0%	11.0%
19	5	5.0%	16.0%
20	13	13.0%	29.0%
21	11	11.0%	40.0%
22	8	8.0%	48.0%
23	14	14.0%	62.0%
24	6	6.0%	68.0%
25	9	9.0%	77.0%
26	6	6.0%	83.0%
27	7	7.0%	90.0%
28	3	3.0%	93.0%
29	0	0.0%	93.0%
30	2	2.0%	95.0%
31	0	0.0%	95.0%
32	3	3.0%	98.0%
33	1	1.0%	99.0%
34	1	1.0%	100.0%
35	0	0.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

Street: Swift St.

Limits: Delaware Ave. & West Cliff Dr.

City General Plan Roadway Classification: Collector

Width: 40-feet

Critical Speed (85th percentile): 30 mph

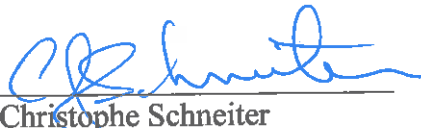
Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 8 total, 3 injury

Adjacent Land Use: Primarily residential, School Zone

Speed reduction justification: CA MUTCD 2B-13 Segment meets residential density requirement of CVC 627 for a 5 mph reduction.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#63 SWIFT (DELAWARE-WEST

CLIFF) NB & SB

DATE

3/10/2016

TIME

2:04 PM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

25

85TH PERCENTILE SPEED

30

10 MPH PACE SPEED

19

TO 28

PERCENT IN PACE SPEED

76.0%

PERCENT OVER PACE SPEED

18.3%

PERCENT UNDER PACE SPEED

5.8%

RANGE OF SPEEDS

16

TO 35

VEHICLES OBSERVED

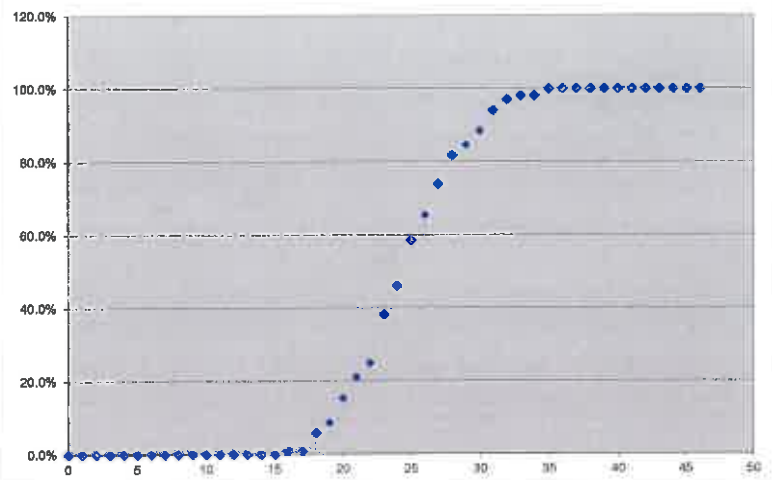
104

AVERAGE SPEED

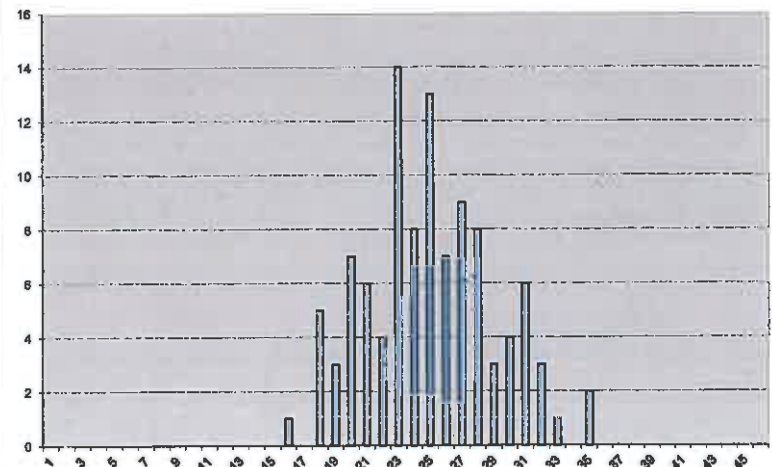
25.0

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	1	1.0%	1.0%
17	0	0.0%	1.0%
18	5	4.8%	5.8%
19	3	2.9%	8.7%
20	7	6.7%	15.4%
21	6	5.8%	21.2%
22	4	3.8%	25.0%
23	14	13.5%	38.5%
24	8	7.7%	46.2%
25	13	12.5%	58.7%
26	7	6.7%	65.4%
27	9	8.7%	74.0%
28	8	7.7%	81.7%
29	3	2.9%	84.6%
30	4	3.8%	88.5%
31	6	5.8%	94.2%
32	3	2.9%	97.1%
33	1	1.0%	98.1%
34	0	0.0%	98.1%
35	2	1.9%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





PUBLIC WORKS DEPARTMENT
Transportation Division

Street: Swift St.

Limits: Grandview St. & Delaware Ave.

City General Plan Roadway Classification: Collector

Width: 48-feet

Critical Speed (85th percentile): 32 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 12 total, 4 injury

Adjacent Land Use: Primarily Residential, Business

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph increment and segment meets residential and business density requirement of CVC 627 for a 5 mph reduction.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: Christophe Schneider
Christophe Schneider
Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#64 SWIFT (GRANDVIEW-

DELAWARE) NB & SB

DATE

3/10/2016

TIME

1:40 PM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

28

85TH PERCENTILE SPEED

32

10 MPH PACE SPEED

21

TO 30

PERCENT IN PACE SPEED

78.2%

PERCENT OVER PACE SPEED

19.8%

PERCENT UNDER PACE SPEED

2.0%

RANGE OF SPEEDS

20

TO 40

VEHICLES OBSERVED

101

AVERAGE SPEED

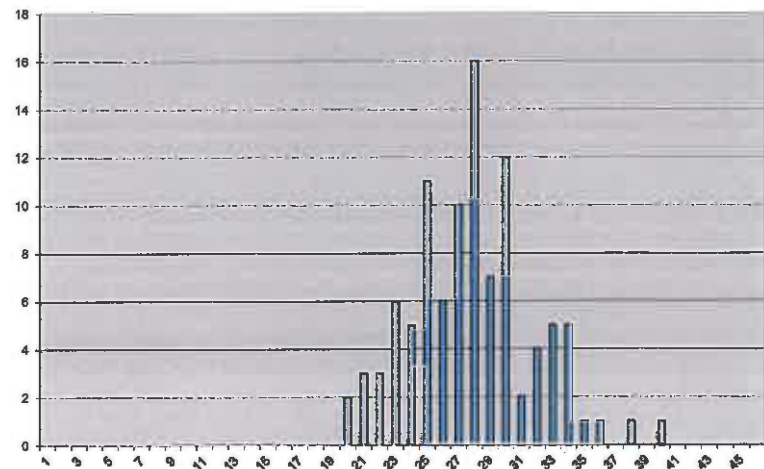
27.9

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	0	0.0%	0.0%
18	0	0.0%	0.0%
19	0	0.0%	0.0%
20	2	2.0%	2.0%
21	3	3.0%	5.0%
22	3	3.0%	7.9%
23	6	5.9%	13.9%
24	5	5.0%	18.8%
25	11	10.9%	29.7%
26	6	5.9%	35.6%
27	10	9.9%	45.5%
28	16	15.8%	61.4%
29	7	6.9%	68.3%
30	12	11.9%	80.2%
31	2	2.0%	82.2%
32	4	4.0%	86.1%
33	5	5.0%	91.1%
34	5	5.0%	96.0%
35	1	1.0%	97.0%
36	1	1.0%	98.0%
37	0	0.0%	98.0%
38	1	1.0%	99.0%
39	0	0.0%	99.0%
40	1	1.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

Street: Sylvania St.

Limits: Encinal St. & Harvey West Blvd.

City General Plan Roadway Classification: Local

Width: 48-feet

Critical Speed (85th percentile): 27 mph

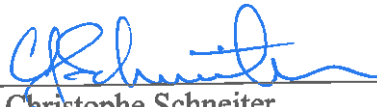
Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 3 total, 1 injury

Adjacent Land Use: Business

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph increment.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

DATE

TIME

POSTED SPEED LIMIT

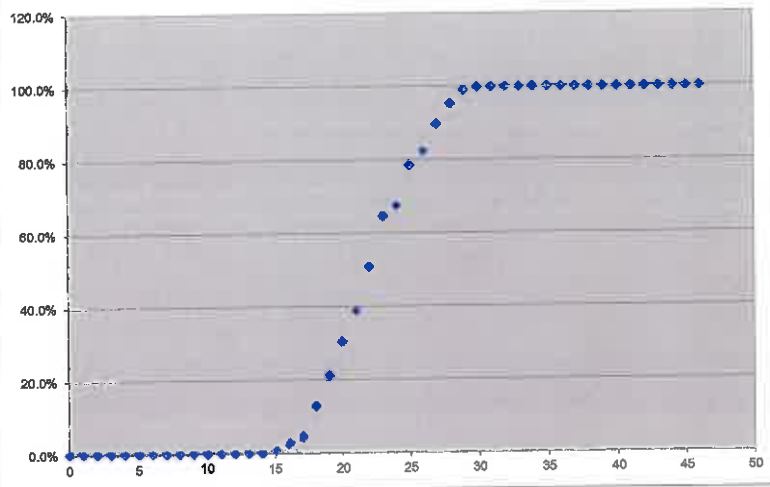
#65 SYLVANIA (HARVEY	
WEST-ENCINAL) NB & SB	
	10/6/2016
	4:00 AM
(no sign)	25

50TH PERCENTILE SPEED
 85TH PERCENTILE SPEED
 10 MPH PACE SPEED
 PERCENT IN PACE SPEED
 PERCENT OVER PACE SPEED
 PERCENT UNDER PACE SPEED
 RANGE OF SPEEDS
 VEHICLES OBSERVED
 AVERAGE SPEED

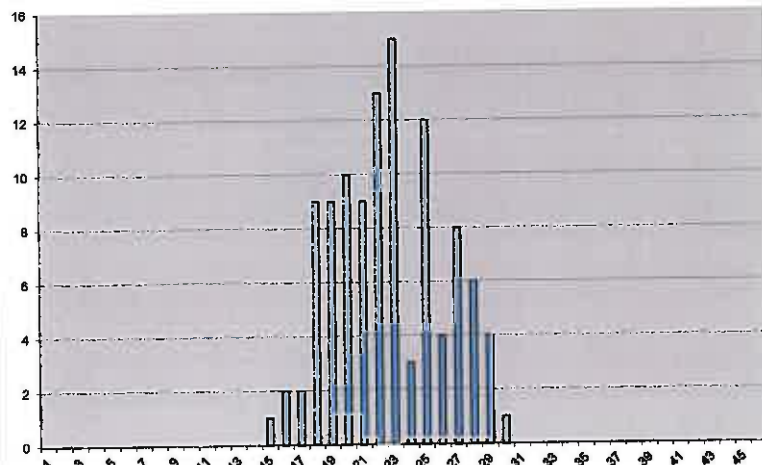
22	
27	
18	TO 27
85.2%	
10.2%	
4.6%	
15	TO 30
108	
22.6	

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	1	0.9%	0.9%
16	2	1.9%	2.8%
17	2	1.9%	4.6%
18	9	8.3%	13.0%
19	9	8.3%	21.3%
20	10	9.3%	30.6%
21	9	8.3%	38.9%
22	13	12.0%	50.9%
23	15	13.9%	64.8%
24	3	2.8%	67.6%
25	12	11.1%	78.7%
26	4	3.7%	82.4%
27	8	7.4%	89.8%
28	6	5.6%	95.4%
29	4	3.7%	99.1%
30	1	0.9%	100.0%
31	0	0.0%	100.0%
32	0	0.0%	100.0%
33	0	0.0%	100.0%
34	0	0.0%	100.0%
35	0	0.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





PUBLIC WORKS DEPARTMENT
Transportation Division

Street: Walnut Ave.

Limits: King St. & Chestnut St.

City General Plan Roadway Classification: Collector/Arterial

Width: 42-feet

Critical Speed (85th percentile): 25 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2013 through 2017, 21 total, 5 injury

Adjacent Land Use: Primarily Residential, School Zone

Speed reduction justification: None Required

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#161b WALNUT AV. (KING-

CHESTNUT) EB & WB

DATE

11/6/2017

TIME

9:44 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

22

85TH PERCENTILE SPEED

25

10 MPH PACE SPEED

17

PERCENT IN PACE SPEED

88.3%

PERCENT OVER PACE SPEED

5.0%

PERCENT UNDER PACE SPEED

6.7%

RANGE OF SPEEDS

15

VEHICLES OBSERVED

60

AVERAGE SPEED

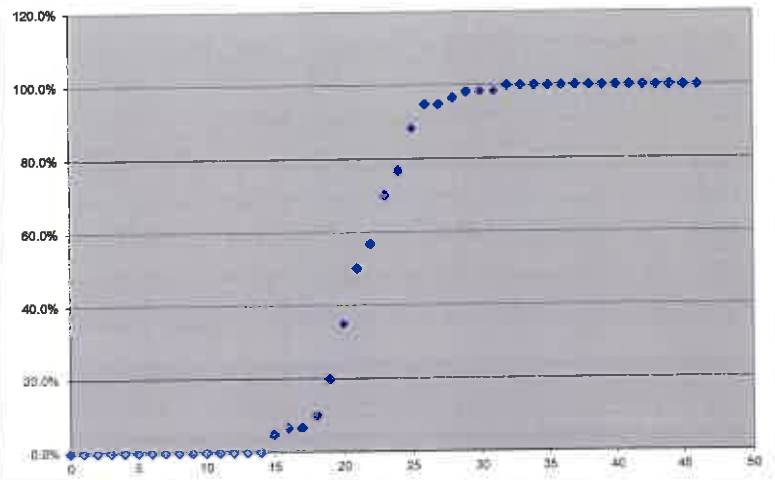
21.9

TO 26

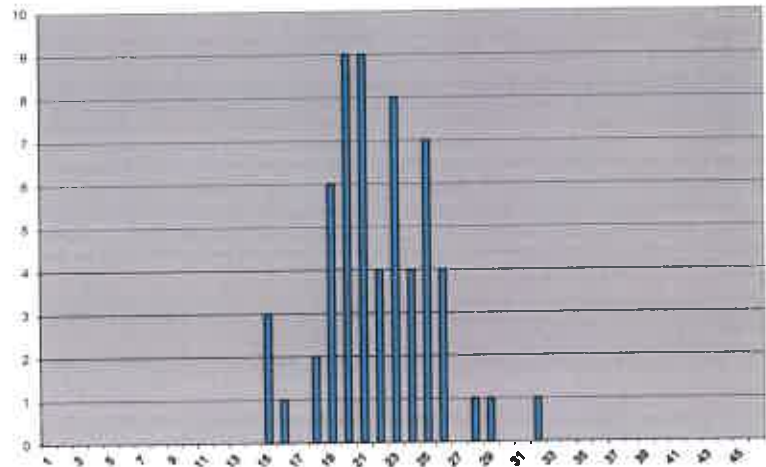
TO 32

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	3	5.0%	5.0%
16	1	1.7%	6.7%
17	0	0.0%	6.7%
18	2	3.3%	10.0%
19	6	10.0%	20.0%
20	9	15.0%	35.0%
21	9	15.0%	50.0%
22	4	6.7%	56.7%
23	8	13.3%	70.0%
24	4	6.7%	76.7%
25	7	11.7%	88.3%
26	4	6.7%	95.0%
27	0	0.0%	95.0%
28	1	1.7%	96.7%
29	1	1.7%	98.3%
30	0	0.0%	98.3%
31	0	0.0%	98.3%
32	1	1.7%	100.0%
33	0	0.0%	100.0%
34	0	0.0%	100.0%
35	0	0.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





PUBLIC WORKS DEPARTMENT
Transportation Division

Street: Water St.

Limits: Ocean St. to Pacific EB and WB

City General Plan Roadway Classification: Arterial

Width: 85-feet

Critical Speed (85th percentile): 33 mph (EB: 33, WB: 33)

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 39 total, 22 injury

Adjacent Land Use: Business, Park, County Government Center

Speed reduction justification: CA MUTCD 2B-13 option 2) The speed limit may be rounded down to the nearest 5 mph increment below the 85th percentile speed, if no further reduction is used. Refer to CVC 21400 (b).

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **30 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneiter
Title: City Engineer

Date: 10/8/18

Vehicle Speed Survey Sheet

DIRECTIONS

#66A WATER (OCEAN-
PACIFIC) EB

DATE

6/7/2016

TIME

11:20 AM

POSTED SPEED LIMIT

30

50TH PERCENTILE SPEED

29

85TH PERCENTILE SPEED

33

10 MPH PACE SPEED

23

TO 32

PERCENT IN PACE SPEED

76.0%

PERCENT OVER PACE SPEED

18.0%

PERCENT UNDER PACE SPEED

6.0%

RANGE OF SPEEDS

17

TO 39

VEHICLES OBSERVED

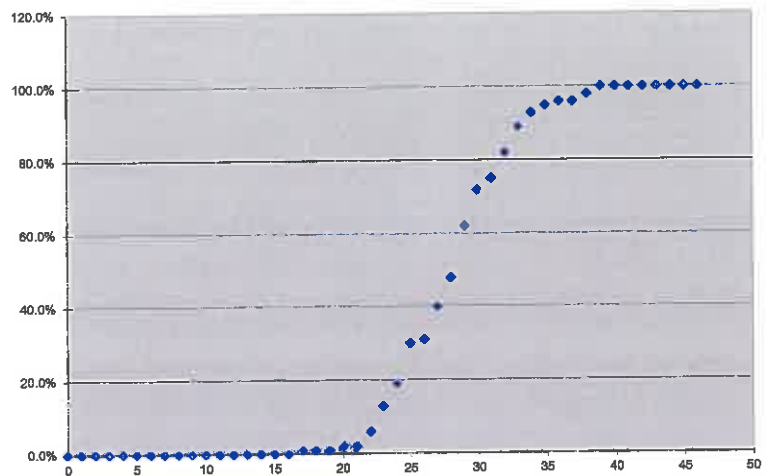
100

AVERAGE SPEED

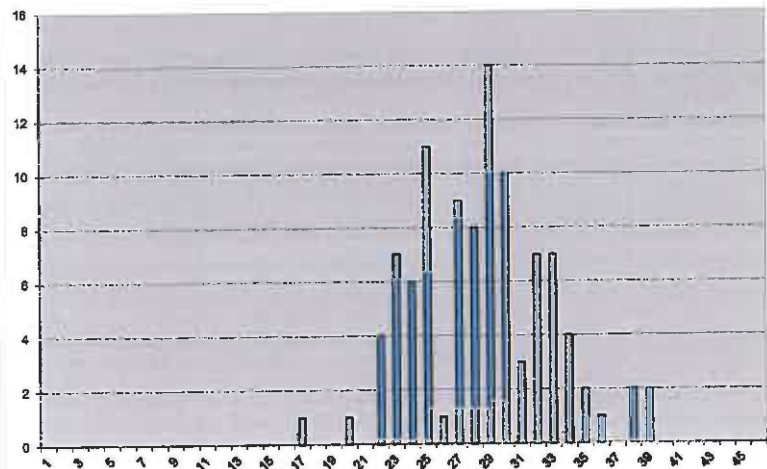
28.5

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	1	1.0%	1.0%
18	0	0.0%	1.0%
19	0	0.0%	1.0%
20	1	1.0%	2.0%
21	0	0.0%	2.0%
22	4	4.0%	6.0%
23	7	7.0%	13.0%
24	6	6.0%	19.0%
25	11	11.0%	30.0%
26	1	1.0%	31.0%
27	9	9.0%	40.0%
28	8	8.0%	48.0%
29	14	14.0%	62.0%
30	10	10.0%	72.0%
31	3	3.0%	75.0%
32	7	7.0%	82.0%
33	7	7.0%	89.0%
34	4	4.0%	93.0%
35	2	2.0%	95.0%
36	1	1.0%	96.0%
37	0	0.0%	96.0%
38	2	2.0%	98.0%
39	2	2.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)



Vehicle Speed Survey Sheet

DIRECTIONS

#66B WATER (OCEAN-

PACIFIC) WB

DATE

3/28/2016

TIME

2:50 PM

POSTED SPEED LIMIT

30

50TH PERCENTILE SPEED

28

85TH PERCENTILE SPEED

33

10 MPH PACE SPEED

25

TO 34

PERCENT IN PACE SPEED

73.5%

PERCENT OVER PACE SPEED

10.2%

PERCENT UNDER PACE SPEED

16.3%

RANGE OF SPEEDS

17

TO 40

VEHICLES OBSERVED

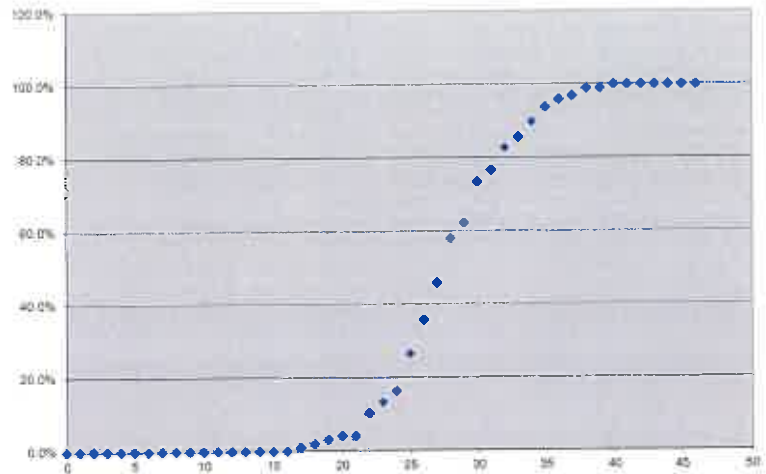
98

AVERAGE SPEED

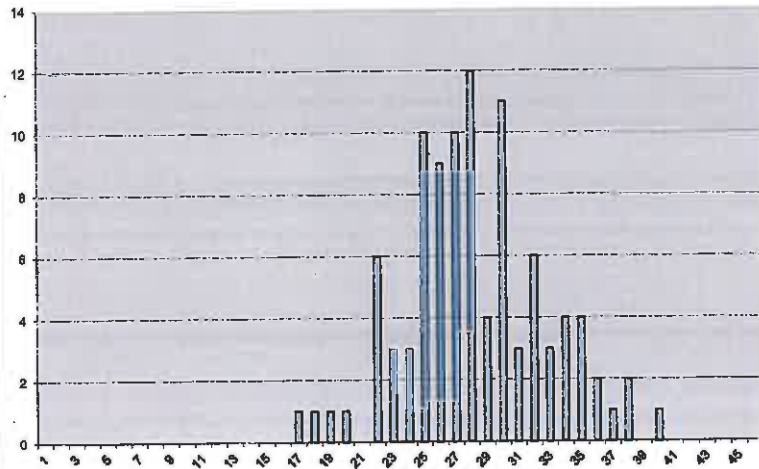
28.2

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	1	1.0%	1.0%
18	1	1.0%	2.0%
19	1	1.0%	3.1%
20	1	1.0%	4.1%
21	0	0.0%	4.1%
22	6	6.1%	10.2%
23	3	3.1%	13.3%
24	3	3.1%	16.3%
25	10	10.2%	26.5%
26	9	9.2%	35.7%
27	10	10.2%	45.9%
28	12	12.2%	58.2%
29	4	4.1%	62.2%
30	11	11.2%	73.5%
31	3	3.1%	76.5%
32	6	6.1%	82.7%
33	3	3.1%	85.7%
34	4	4.1%	89.8%
35	4	4.1%	93.9%
36	2	2.0%	95.9%
37	1	1.0%	96.9%
38	2	2.0%	99.0%
39	0	0.0%	99.0%
40	1	1.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





PUBLIC WORKS DEPARTMENT
Transportation Division

Street: Water St.

Limits: Ocean to N Branciforte, EB and WB

City General Plan Roadway Classification: Arterial

Width: 80-feet

Critical Speed (85th percentile): 37 mph EB, 27 mph WB

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 43 total, 26 injury

Adjacent Land Use: Business, Residential

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph increment and segment meets business/residential density requirement of CVC 627 for a 5 mph reduction.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **30 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#67A WATER ST.

(BRANCIFORTE-OCEAN) EB

DATE

2/26/2016

TIME

11:28 PM

POSTED SPEED LIMIT

SIGN-30

50TH PERCENTILE SPEED

32

85TH PERCENTILE SPEED

37

10 MPH PACE SPEED

28

TO 37

PERCENT IN PACE SPEED

77.2%

PERCENT OVER PACE SPEED

12.9%

PERCENT UNDER PACE SPEED

9.9%

RANGE OF SPEEDS

24

TO 44

VEHICLES OBSERVED

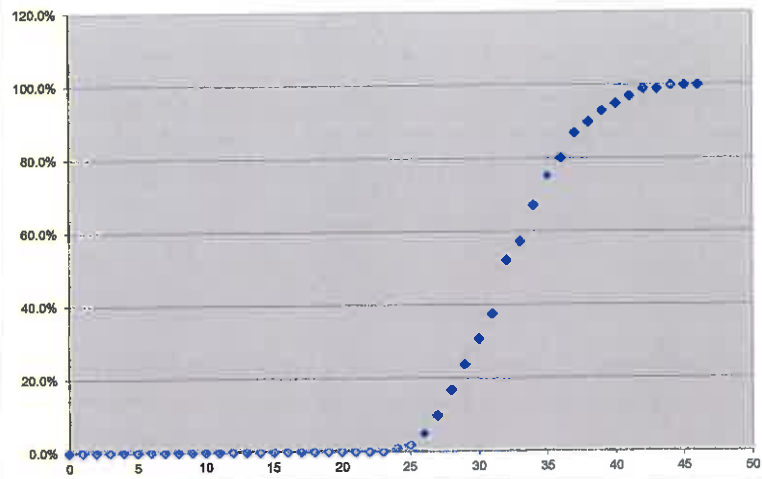
101

AVERAGE SPEED

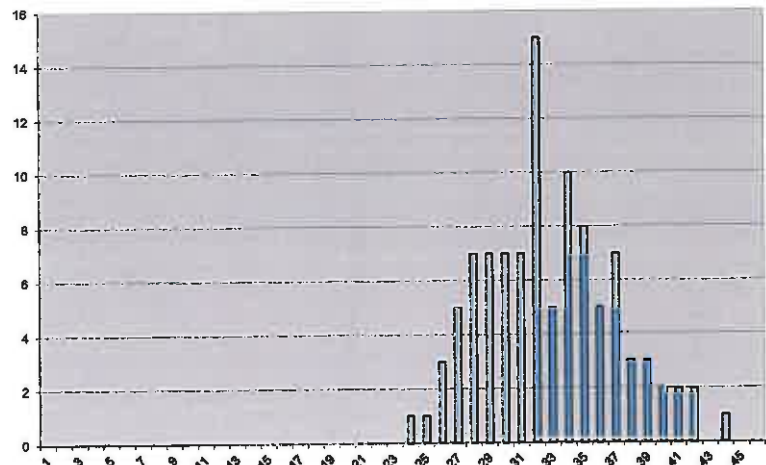
32.8

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	0	0.0%	0.0%
18	0	0.0%	0.0%
19	0	0.0%	0.0%
20	0	0.0%	0.0%
21	0	0.0%	0.0%
22	0	0.0%	0.0%
23	0	0.0%	0.0%
24	1	1.0%	1.0%
25	1	1.0%	2.0%
26	3	3.0%	5.0%
27	5	5.0%	9.9%
28	7	6.9%	16.8%
29	7	6.9%	23.8%
30	7	6.9%	30.7%
31	7	6.9%	37.6%
32	15	14.9%	52.5%
33	5	5.0%	57.4%
34	10	9.9%	67.3%
35	8	7.9%	75.2%
36	5	5.0%	80.2%
37	7	6.9%	87.1%
38	3	3.0%	90.1%
39	3	3.0%	93.1%
40	2	2.0%	95.0%
41	2	2.0%	97.0%
42	2	2.0%	99.0%
43	0	0.0%	99.0%
44	1	1.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)



Vehicle Speed Survey Sheet

DIRECTIONS

#67B WATER ST. (OCEAN &
N. BRANCIFORTE) WB

DATE

4/28/2016

TIME

2:06 AM

POSTED SPEED LIMIT

30

50TH PERCENTILE SPEED

23

85TH PERCENTILE SPEED

27

10 MPH PACE SPEED

18

TO 27

PERCENT IN PACE SPEED

85.1%

PERCENT OVER PACE SPEED

10.9%

PERCENT UNDER PACE SPEED

4.0%

RANGE OF SPEEDS

16

TO 35

VEHICLES OBSERVED

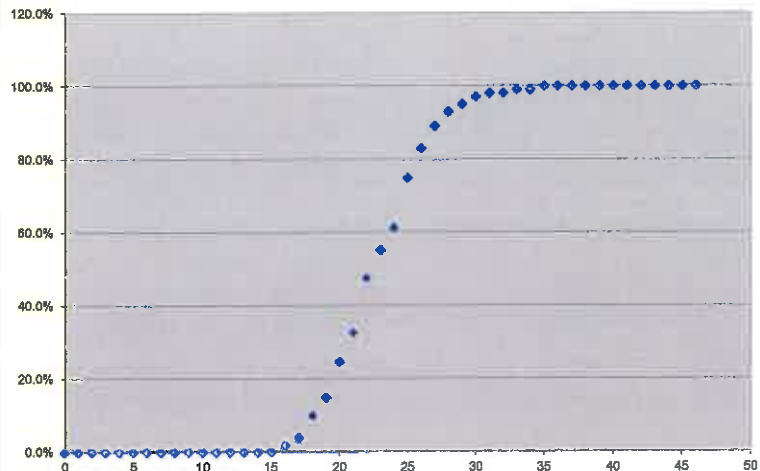
101

AVERAGE SPEED

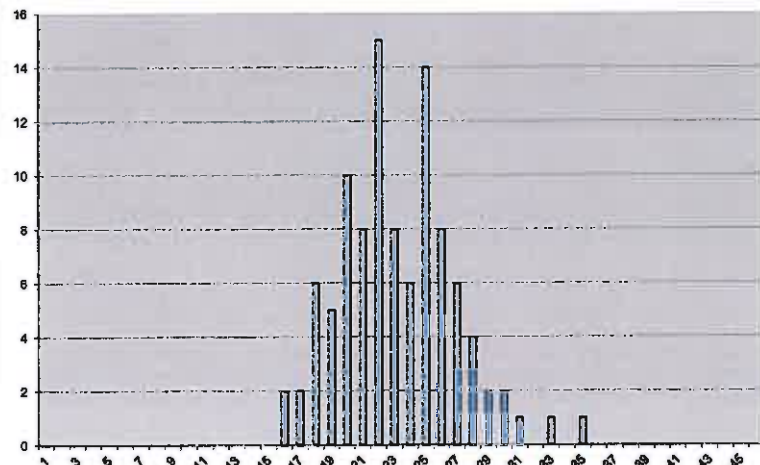
23.2

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	2	2.0%	2.0%
17	2	2.0%	4.0%
18	6	5.9%	9.9%
19	5	5.0%	14.9%
20	10	9.9%	24.8%
21	8	7.9%	32.7%
22	15	14.9%	47.5%
23	8	7.9%	55.4%
24	6	5.9%	61.4%
25	14	13.9%	75.2%
26	8	7.9%	83.2%
27	6	5.9%	89.1%
28	4	4.0%	93.1%
29	2	2.0%	95.0%
30	2	2.0%	97.0%
31	1	1.0%	98.0%
32	0	0.0%	98.0%
33	1	1.0%	99.0%
34	0	0.0%	99.0%
35	1	1.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





PUBLIC WORKS DEPARTMENT
Transportation Division

Street: Water St.

Limits: N Branciforte Ave to Poplar

City General Plan Roadway Classification: Arterial

Width: 48-feet

Critical Speed (85th percentile): 28 mph

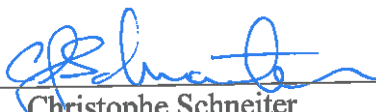
Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2013 through 2017, 30 total, 7 injury

Adjacent Land Use: Business, School Zone

Speed reduction justification: CA MUTCD 2B-13 option 2) The speed limit may be rounded down to the nearest 5 mph increment below the 85th percentile speed, if no further reduction is used. Refer to CVC 21400 (b).

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#162a WATER ST. (N.
BRANCIFORTE-POPLAR) EB &
WB

DATE

11/14/2017

TIME

11:00 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

23

85TH PERCENTILE SPEED

28

10 MPH PACE SPEED

20

TO 29

PERCENT IN PACE SPEED

85.7%

PERCENT OVER PACE SPEED

7.1%

PERCENT UNDER PACE SPEED

7.1%

RANGE OF SPEEDS

15

TO 31

VEHICLES OBSERVED

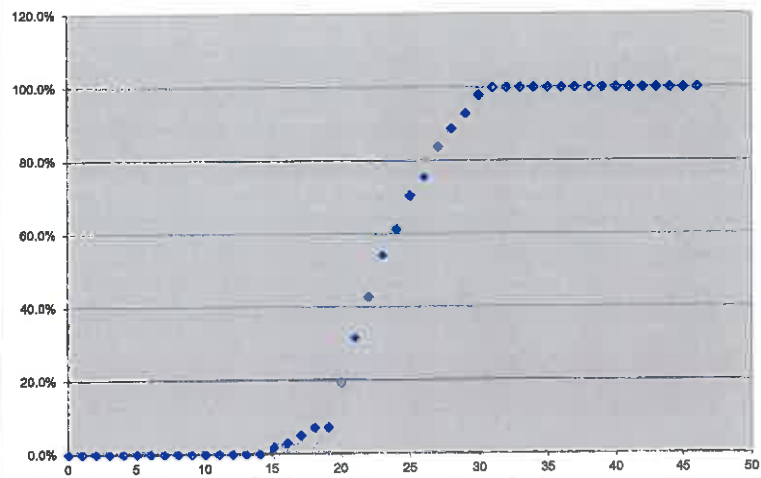
98

AVERAGE SPEED

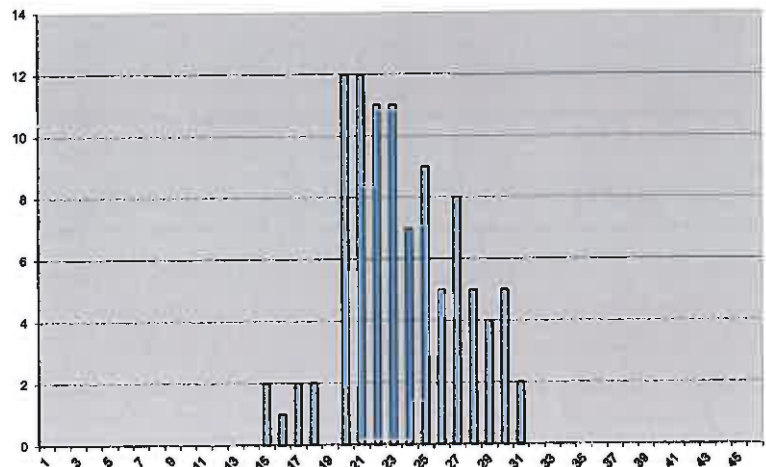
23.6

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	2	2.0%	2.0%
16	1	1.0%	3.1%
17	2	2.0%	5.1%
18	2	2.0%	7.1%
19	0	0.0%	7.1%
20	12	12.2%	19.4%
21	12	12.2%	31.6%
22	11	11.2%	42.9%
23	11	11.2%	54.1%
24	7	7.1%	61.2%
25	9	9.2%	70.4%
26	5	5.1%	75.5%
27	8	8.2%	83.7%
28	5	5.1%	88.8%
29	4	4.1%	92.9%
30	5	5.1%	98.0%
31	2	2.0%	100.0%
32	0	0.0%	100.0%
33	0	0.0%	100.0%
34	0	0.0%	100.0%
35	0	0.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

Street: West Cliff Dr.

Limits: Pelton Ave & Swanton Blvd.

City General Plan Roadway Classification: Collector

Width: 28-feet

Critical Speed (85th percentile): 23 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 11 total, 5 injury

Adjacent Land Use: Residential, Park

Speed reduction justification: None Required

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#68 WEST CLIFF (PELTON-

SWANTON) EB & WB

DATE

12/15/2015

TIME

9:34 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

21

85TH PERCENTILE SPEED

23

10 MPH PACE SPEED

15

TO 24

PERCENT IN PACE SPEED

93.1%

PERCENT OVER PACE SPEED

6.9%

PERCENT UNDER PACE SPEED

0.0%

RANGE OF SPEEDS

15

TO 37

VEHICLES OBSERVED

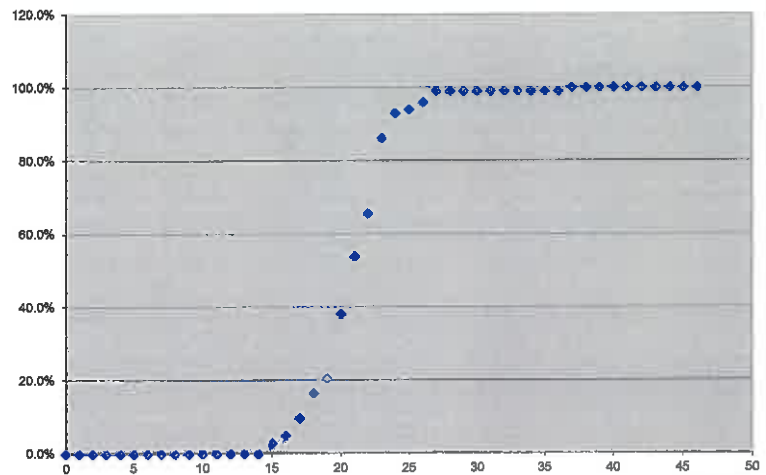
102

AVERAGE SPEED

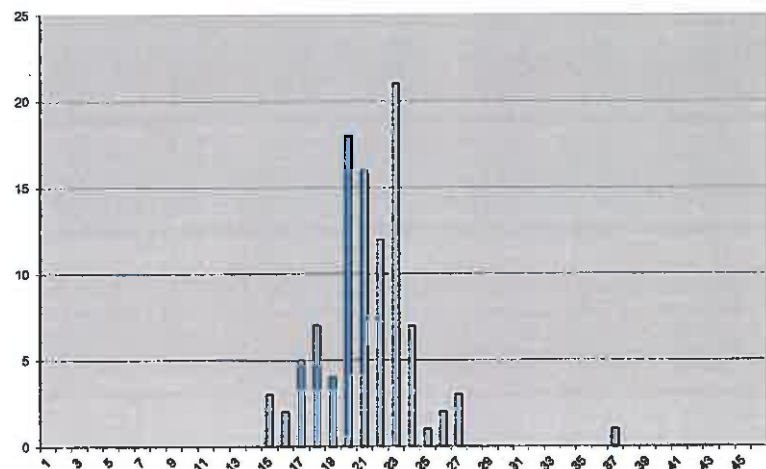
21.3

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	3	2.9%	2.9%
16	2	2.0%	4.9%
17	5	4.9%	9.8%
18	7	6.9%	16.7%
19	4	3.9%	20.6%
20	18	17.6%	38.2%
21	16	15.7%	53.9%
22	12	11.8%	65.7%
23	21	20.6%	86.3%
24	7	6.9%	93.1%
25	1	1.0%	94.1%
26	2	2.0%	96.1%
27	3	2.9%	99.0%
28	0	0.0%	99.0%
29	0	0.0%	99.0%
30	0	0.0%	99.0%
31	0	0.0%	99.0%
32	0	0.0%	99.0%
33	0	0.0%	99.0%
34	0	0.0%	99.0%
35	0	0.0%	99.0%
36	0	0.0%	99.0%
37	1	1.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

Street: West Cliff Dr.

Limits: Pacific Ave. & Pelton Ave.

City General Plan Roadway Classification: Collector

Width: 27-feet

Critical Speed (85th percentile): 22 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 5 total, 3 injury

Adjacent Land Use: Residential, Park, Business

Speed reduction justification: None Required

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/13

Vehicle Speed Survey Sheet

DIRECTIONS

#69 WEST CLIFF (PACIFIC-
PELTON) EB & WB

DATE

12/15/2015

TIME

10:11 AM

POSTED SPEED LIMIT

25

50TH PERCENTILE SPEED

18

85TH PERCENTILE SPEED

22

10 MPH PACE SPEED

15

TO 24

PERCENT IN PACE SPEED

94.0%

PERCENT OVER PACE SPEED

6.0%

PERCENT UNDER PACE SPEED

0.0%

RANGE OF SPEEDS

15

TO 29

VEHICLES OBSERVED

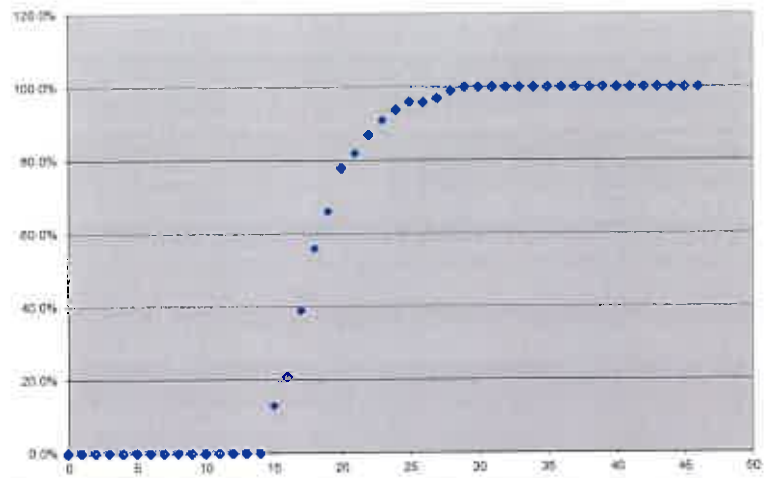
100

AVERAGE SPEED

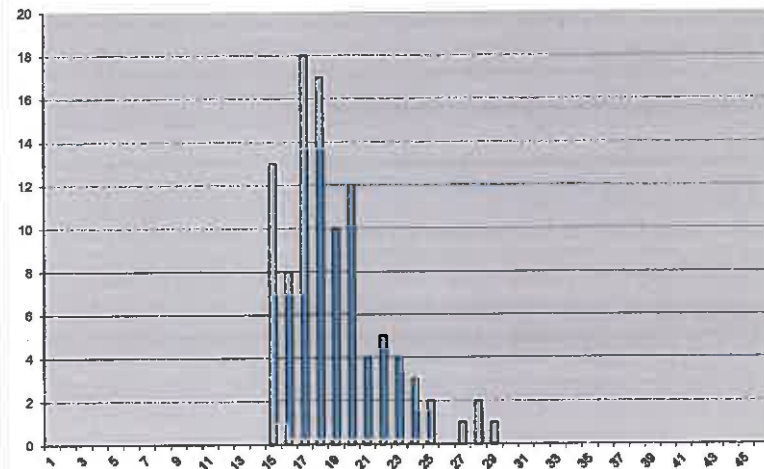
18.9

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	13	13.0%	13.0%
16	8	8.0%	21.0%
17	18	18.0%	39.0%
18	17	17.0%	56.0%
19	10	10.0%	66.0%
20	12	12.0%	78.0%
21	4	4.0%	82.0%
22	5	5.0%	87.0%
23	4	4.0%	91.0%
24	3	3.0%	94.0%
25	2	2.0%	96.0%
26	0	0.0%	96.0%
27	1	1.0%	97.0%
28	2	2.0%	99.0%
29	1	1.0%	100.0%
30	0	0.0%	100.0%
31	0	0.0%	100.0%
32	0	0.0%	100.0%
33	0	0.0%	100.0%
34	0	0.0%	100.0%
35	0	0.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





PUBLIC WORKS DEPARTMENT
Transportation Division

Street: Western Dr.

Limits: Meder St. & Mission St.

City General Plan Roadway Classification: Collector

Width: 32-feet

Critical Speed (85th percentile): 32 mph

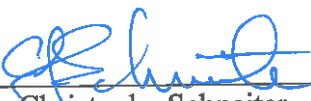
Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 24 total, 14 injury

Adjacent Land Use: Residential

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph increment and segment meets residential density requirement of CVC 627 for a 5 mph reduction.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#70 WESTERN (MISSION-

MEDER) NB & SB

DATE

1/25/2016

TIME

2:10 PM

POSTED SPEED LIMIT

30

50TH PERCENTILE SPEED

28

85TH PERCENTILE SPEED

32

10 MPH PACE SPEED

23

TO 32

PERCENT IN PACE SPEED

82.2%

PERCENT OVER PACE SPEED

12.9%

PERCENT UNDER PACE SPEED

5.0%

RANGE OF SPEEDS

20

TO 38

VEHICLES OBSERVED

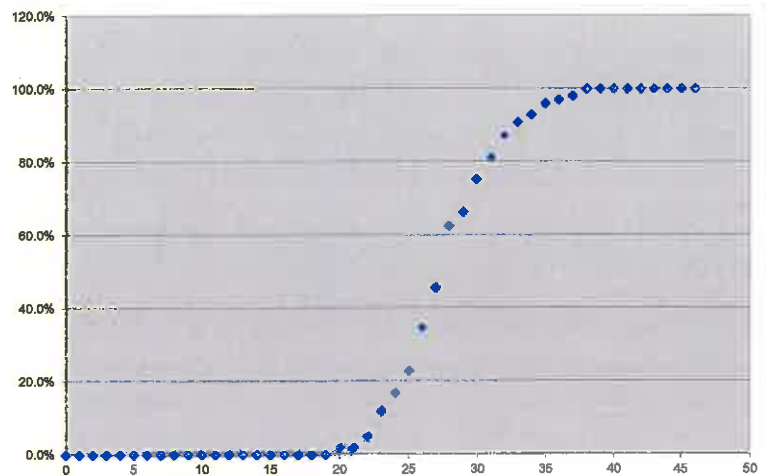
101

AVERAGE SPEED

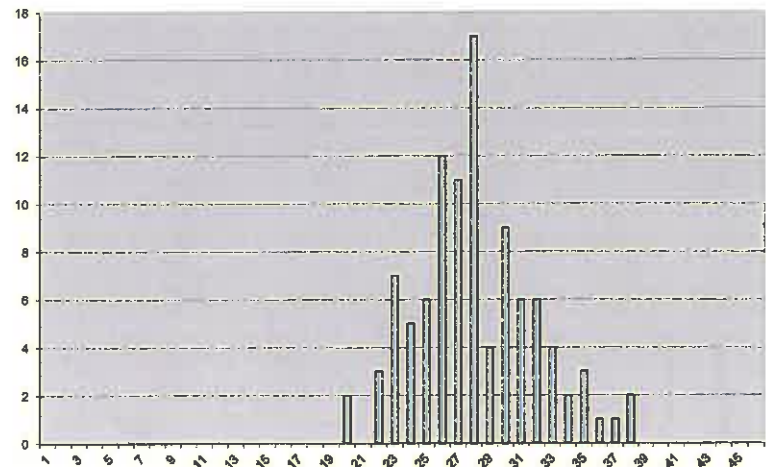
28.1

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	0	0.0%	0.0%
18	0	0.0%	0.0%
19	0	0.0%	0.0%
20	2	2.0%	2.0%
21	0	0.0%	2.0%
22	3	3.0%	5.0%
23	7	6.9%	11.9%
24	5	5.0%	16.8%
25	6	5.9%	22.8%
26	12	11.9%	34.7%
27	11	10.9%	45.5%
28	17	16.8%	62.4%
29	4	4.0%	66.3%
30	9	8.9%	75.2%
31	6	5.9%	81.2%
32	6	5.9%	87.1%
33	4	4.0%	91.1%
34	2	2.0%	93.1%
35	3	3.0%	96.0%
36	1	1.0%	97.0%
37	1	1.0%	98.0%
38	2	2.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

Street: Western Dr.

Limits: Meter St. & High St.

City General Plan Roadway Classification: Collector

Width: 28-feet

Critical Speed (85th percentile): 36 mph

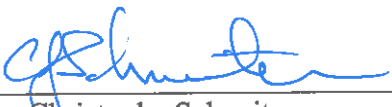
Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 4 total, 3 injury

Adjacent Land Use: Residential

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph increment and segment meets residential density requirement of CVC 627 for a 5 mph reduction.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **30 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#71 WESTERN (MEDER-HIGH)

NB & SB

DATE

1/25/2016

TIME

2:44 PM

POSTED SPEED LIMIT

30

50TH PERCENTILE SPEED

32

85TH PERCENTILE SPEED

36

10 MPH PACE SPEED

27

TO 36

PERCENT IN PACE SPEED

71.7%

PERCENT OVER PACE SPEED

13.1%

PERCENT UNDER PACE SPEED

15.2%

RANGE OF SPEEDS

21

TO 42

VEHICLES OBSERVED

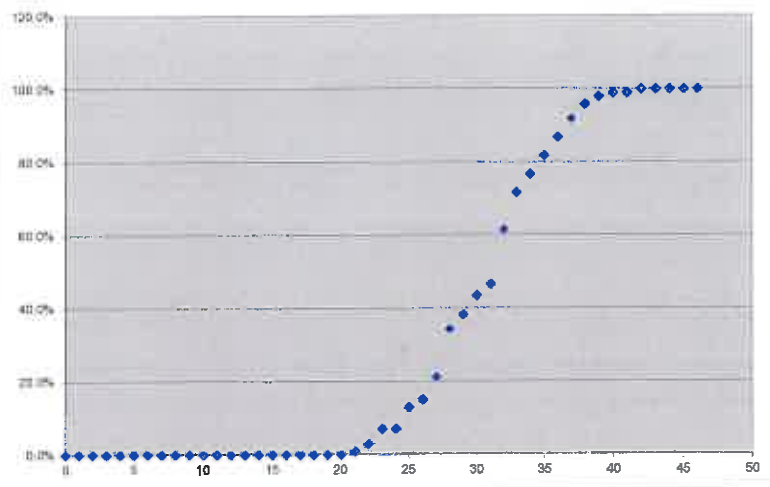
99

AVERAGE SPEED

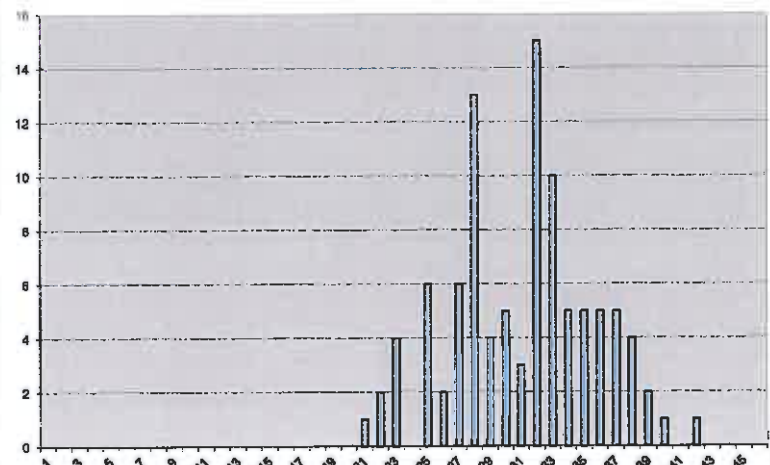
31.1

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	0	0.0%	0.0%
16	0	0.0%	0.0%
17	0	0.0%	0.0%
18	0	0.0%	0.0%
19	0	0.0%	0.0%
20	0	0.0%	0.0%
21	1	1.0%	1.0%
22	2	2.0%	3.0%
23	4	4.0%	7.1%
24	0	0.0%	7.1%
25	6	6.1%	13.1%
26	2	2.0%	15.2%
27	6	6.1%	21.2%
28	13	13.1%	34.3%
29	4	4.0%	38.4%
30	5	5.1%	43.4%
31	3	3.0%	46.5%
32	15	15.2%	61.6%
33	10	10.1%	71.7%
34	5	5.1%	76.8%
35	5	5.1%	81.8%
36	5	5.1%	86.9%
37	5	5.1%	91.9%
38	4	4.0%	96.0%
39	2	2.0%	98.0%
40	1	1.0%	99.0%
41	0	0.0%	99.0%
42	1	1.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





**PUBLIC WORKS DEPARTMENT
Transportation Division**

Street: Woodrow Ave.

Limits: Errett Circle & Westcliff Dr.

City General Plan Roadway Classification: Collector

Width: 70-feet

Critical Speed (85th percentile): 29 mph

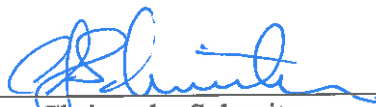
Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 6 total, 1 injury

Adjacent Land Use: Residential

Speed reduction justification: CA MUTCD 2B-13 option 2) The speed limit may be rounded down to the nearest 5 mph increment below the 85th percentile speed, if no further reduction is used. Refer to CVC 21400 (b).

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/18

Vehicle Speed Survey Sheet

DIRECTIONS

#72 WOODROW (WEST CLIFF-

ERRET) NB & SB

DATE

3/23/2016

TIME

10:25 AM

POSTED SPEED LIMIT

(no sign) 25

50TH PERCENTILE SPEED

25

85TH PERCENTILE SPEED

29

10 MPH PACE SPEED

19

TO 28

PERCENT IN PACE SPEED

79.0%

PERCENT OVER PACE SPEED

18.0%

PERCENT UNDER PACE SPEED

3.0%

RANGE OF SPEEDS

15

TO 36

VEHICLES OBSERVED

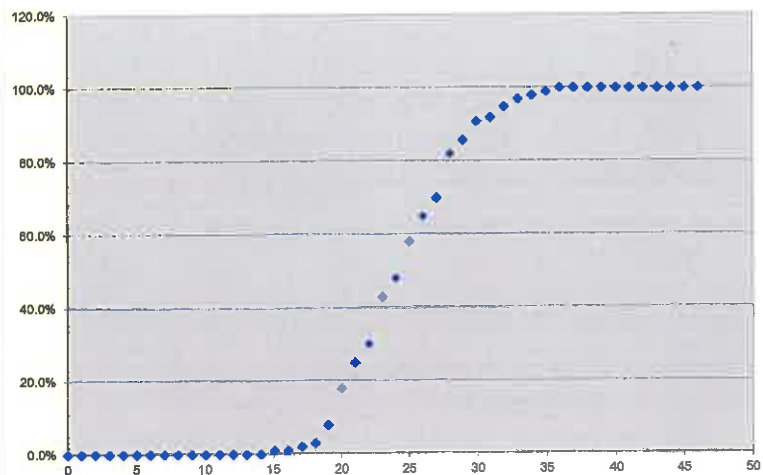
100

AVERAGE SPEED

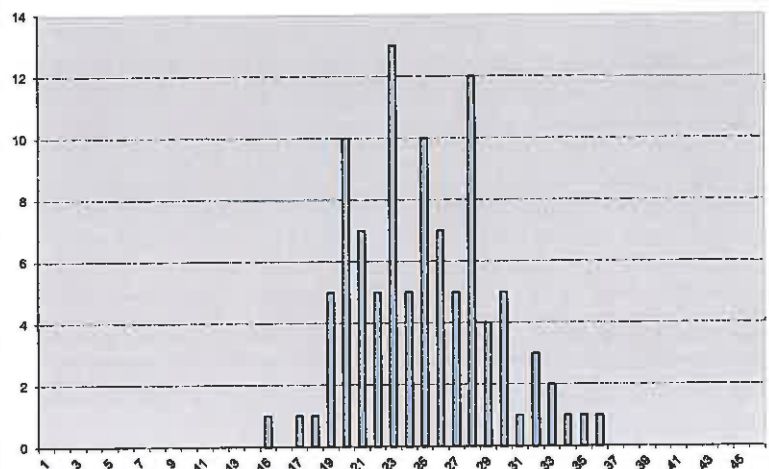
24.9

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	1	1.0%	1.0%
16	0	0.0%	1.0%
17	1	1.0%	2.0%
18	1	1.0%	3.0%
19	5	5.0%	8.0%
20	10	10.0%	18.0%
21	7	7.0%	25.0%
22	5	5.0%	30.0%
23	13	13.0%	43.0%
24	5	5.0%	48.0%
25	10	10.0%	58.0%
26	7	7.0%	65.0%
27	5	5.0%	70.0%
28	12	12.0%	82.0%
29	4	4.0%	86.0%
30	5	5.0%	91.0%
31	1	1.0%	92.0%
32	3	3.0%	95.0%
33	2	2.0%	97.0%
34	1	1.0%	98.0%
35	1	1.0%	99.0%
36	1	1.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)





PUBLIC WORKS DEPARTMENT
Transportation Division

Street: Younglove Ave.

Limits: Mission St. & Errett Circle

City General Plan Roadway Classification: Collector

Width: 37-feet

Critical Speed (85th percentile): 27 mph

Unusual Conditions/Allowable Considerations per CVC:

Reported Collisions: 2010 through 2015, 4 total, 2 injury

Adjacent Land Use: Residential

Speed reduction justification: CA MUTCD 2B-13 Round to the nearest 5 mph increment.

Recommendation: On the basis of this Engineering and Traffic Survey, as reported above, and in accordance with the provisions of California Vehicle Code Sections 22348 through 22413, and pertinent provisions found in Sections 627 and 40802, a speed limit of **25 mph** is hereby determined reasonable and appropriate for this street segment.

Signed: 
Christophe Schneider
Title: City Engineer

Date: 10/9/12

Vehicle Speed Survey Sheet

DIRECTIONS

DATE

TIME

POSTED SPEED LIMIT

#73 YOUNGLOVE (MISSION-

ERRETT CIRCLE) NB & SB

8/8/2016

10 25 AM

(no sign)

25

50TH PERCENTILE SPEED

85TH PERCENTILE SPEED

10 MPH PACE SPEED

PERCENT IN PACE SPEED

PERCENT OVER PACE SPEED

PERCENT UNDER PACE SPEED

RANGE OF SPEEDS

VEHICLES OBSERVED

AVERAGE SPEED

23

27

18

TO 27

83.0%

13.0%

4.0%

15

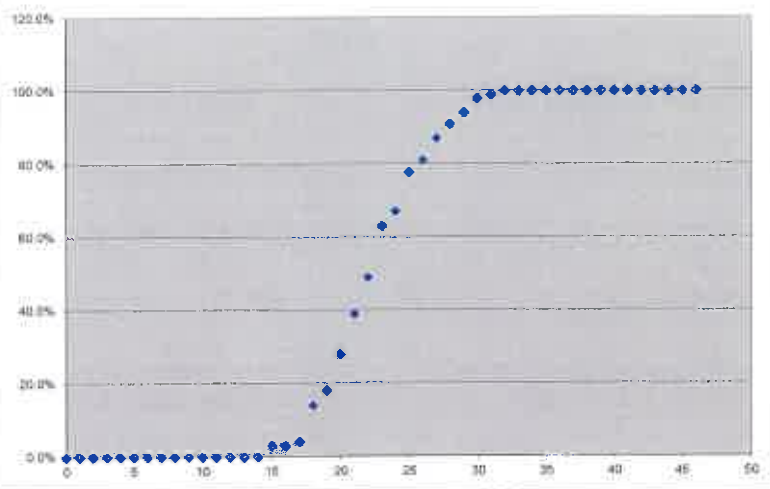
TO 32

100

22.8

MPH	NO.	PCT.	CUM PCT.
0	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5	0	0.0%	0.0%
6	0	0.0%	0.0%
7	0	0.0%	0.0%
8	0	0.0%	0.0%
9	0	0.0%	0.0%
10	0	0.0%	0.0%
11	0	0.0%	0.0%
12	0	0.0%	0.0%
13	0	0.0%	0.0%
14	0	0.0%	0.0%
15	3	3.0%	3.0%
16	0	0.0%	3.0%
17	1	1.0%	4.0%
18	10	10.0%	14.0%
19	4	4.0%	18.0%
20	10	10.0%	28.0%
21	11	11.0%	39.0%
22	10	10.0%	49.0%
23	14	14.0%	63.0%
24	4	4.0%	67.0%
25	11	11.0%	78.0%
26	3	3.0%	81.0%
27	6	6.0%	87.0%
28	4	4.0%	91.0%
29	3	3.0%	94.0%
30	4	4.0%	98.0%
31	1	1.0%	99.0%
32	1	1.0%	100.0%
33	0	0.0%	100.0%
34	0	0.0%	100.0%
35	0	0.0%	100.0%
36	0	0.0%	100.0%
37	0	0.0%	100.0%
38	0	0.0%	100.0%
39	0	0.0%	100.0%
40	0	0.0%	100.0%
41	0	0.0%	100.0%
42	0	0.0%	100.0%
43	0	0.0%	100.0%
44	0	0.0%	100.0%
45	0	0.0%	100.0%
46	0	0.0%	100.0%

CUMULATIVE PERCENT VS. SPEED (MPH)



PERCENT VS. SPEED (MPH)

