

SAFETY COMMISSION AGENDA STATEMENT

Item 3
Meeting Date 02/06/19

ITEM TITLE: RESOLUTION OF THE SAFETY COMMISSION OF THE CITY OF CHULA VISTA RECOMMENDING THAT THE CHULA VISTA CITY COUNCIL INCREASE THE EXISTING SPEED LIMIT ON PASEO DEL REY BETWEEN E. 'H' STREET AND E. 'J' STREET FROM 35 MPH TO 40 MPH, AND THAT SCHEDULE X OF THE REGISTER MAINTAINED IN THE OFFICE OF THE CITY ENGINEER BE AMENDED TO REFLECT THESE SPEED LIMITS

SUBMITTED BY: Principal Traffic Engineer

Staff completed an Engineering and Traffic Survey for a segment of Paseo Del Rey in accordance with the California Vehicle Code, which indicates that the posting of speed limits be determined by an Engineering and Traffic Survey for each street with a posted speed limit within the City (with some exceptions). Based on the results of the speed survey, staff has determined that the speed limit on Paseo Del Rey between E. 'H' Street and E. 'J' Street be increased from 35 mph to 40 mph (see Attachment 1, Location Plat).

RECOMMENDATION: That the Safety Commission concur with staff and recommend that the Chula Vista City Council increase the existing speed limit on Paseo Del Rey between E. 'H' Street and E. 'J' Street from 35 mph to 40 mph, and that Schedule X of the register maintained in the Office of the City Engineer be amended to reflect these speed limits

DISCUSSION:

The California Vehicle Code (CVC) establishes minimum and maximum prima facie speed limits for all streets in the State. The minimum prima facie speed limit is 25 miles per hour (MPH) and the maximum speed limit is 65 MPH and an engineering and traffic survey (E&TS) is required to change the prima facie and/or update various speed limits in the City.

The CVC requires that local agencies review changes in local speed limits every five to ten years to determine if the existing street segment speed limits require updating due to the age of the engineering and traffic survey or due to changes in roadway and traffic conditions.

Currently, the existing posted speed limit on Paseo Del Rey between E. 'H' Street and E. 'J' Street is 35 mph.

City staff completed a speed survey for above segments in accordance with the California Vehicle Code. As described in the California Vehicle Code, the survey shall include:

- (1) Prevailing speeds as determined by traffic engineering measurements;
- (2) Accident records;
- (3) Traffic/roadside conditions not readily apparent to the driver.

Physical Conditions

The following information describes the existing conditions along all segments of Paseo Del Rey:

- Classification Between E. 'H' Street and E. 'J' Street – Class I Collector.
- Length/Width – 1,113 feet (0.21 miles) long and 36' to 52' wide.
- Average Daily Traffic: 1,888
- Number of Lanes: four lanes (2 per direction).
- Existing Speed Limits – Posted 35 mph.
- 85% Percentile Speed: 41 mph.
- Striping – Four lanes of traffic and a Yellow striped median.
- Parking – Parking is not allowed along entire segment.
- Bike Lanes in both directions.
- Horizontal Alignment – Horizontal Curve south of East "H" Street with a radius of 50' over a length of 392' yields a design speed of 38 mph.
- Vertical Alignment – Crest Vertical Curve north of East "J" Street with a -0.2% to -7.3% grade change over 400' along the centerline yields a design speed of 42 mph
- Accident Rate History – The accident rate at this segment is 0.25 accidents per million vehicle miles, which is lower than the rate of 1.37 for similar roadways in the State of California (2015).

CONCLUSION:

When speed limits are appropriately established the following objectives are achieved:

- Meaningful, unambiguous enforcement
- Voluntary public compliance
- Clear identification of the unreasonable violator
- Elimination of unjustifiable "tolerances" of higher speed travel

Based on the 85th percentile speed of the roadway, as well as a low collision rate outlined in the Engineering/Traffic Survey, staff has determined that the speed limit on Paseo Del Rey between E. 'H' Street and E. 'J' Street be increased from 35 mph to 40 mph.

Should the City Council establish the proposed 40 mph speed limit, Schedule X of the register maintained in the Office of the City Engineer be amended to reflect the speed limit increase:

- Paseo Del Rey, beginning at E. 'H' Street and ending at E. 'J' Street, proposed Speed Limit Increase to 40 mph.

FISCAL IMPACT:

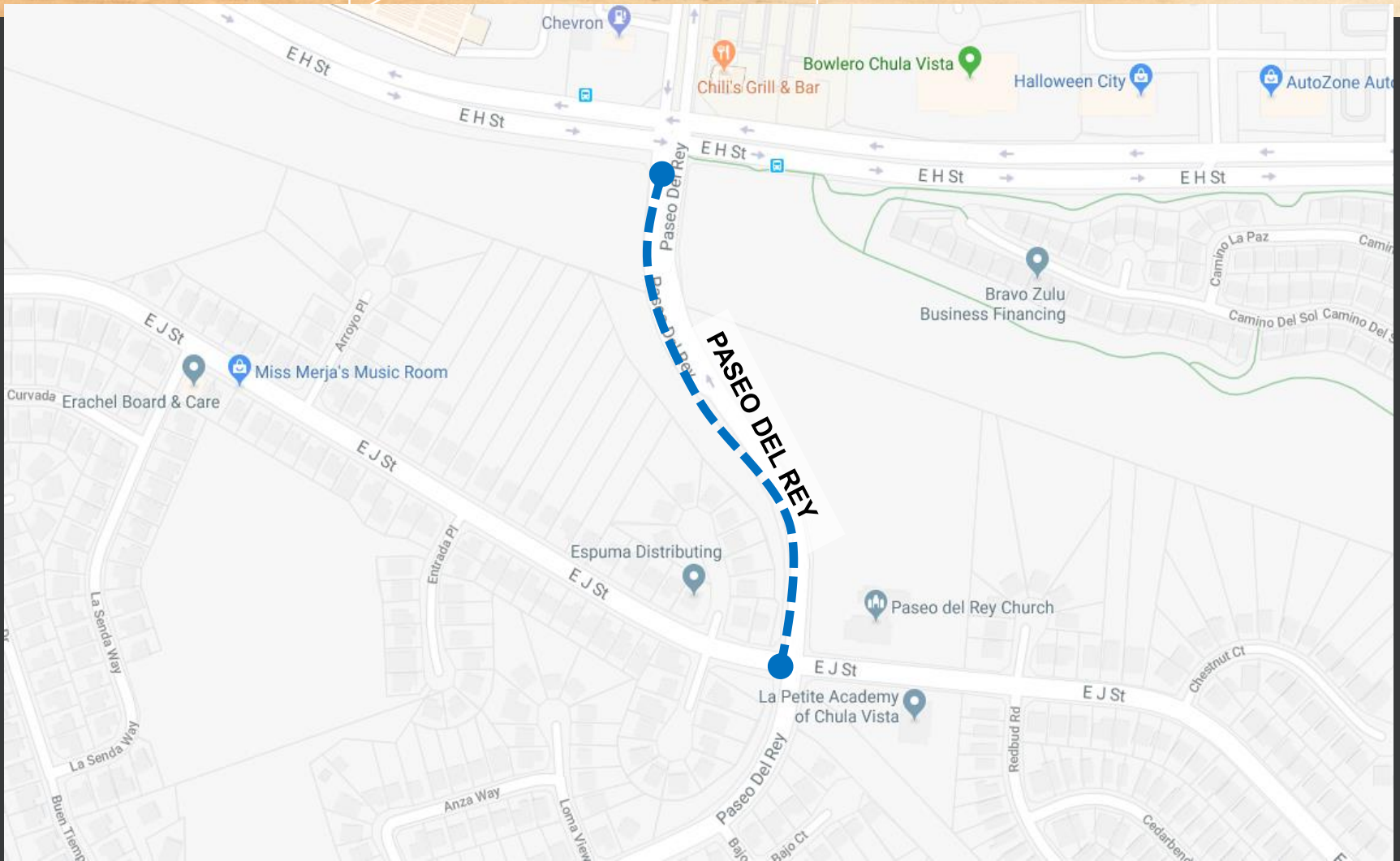
The increase of the speed limit would require the posting of new speed limit signs and speed limit legends. This work will be funded by an existing Traffic Engineering Capital Improvement Project, TF-332, Signing and Striping Program.

Attachments:

1. Location Plat
2. Speed Survey



LOCATION MAP



CITY OF CHULA VISTA - VEHICLE SPEED SURVEY

SEGMENT UNDER STUDY: Paseo Del Rey (E H St - E J St)

DATE: 10/2/2018 SURVEY SITE: Paseo Del Rey (E H St - E J St) Mid-block POSTED SPEED: 35 mph

TIME START: 12:45 TIME END: 1:00 WEATHER: Clear

MPH	DIRECTION: <u>NB</u> = 0 <u>SB</u> = \														TOTAL	%	CUM %
	5	10	15	20	25	30	35	40	45	50	55	60	65	70			
60															0	0%	100%
59															0	0%	100%
58															0	0%	100%
57															0	0%	100%
56															0	0%	100%
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51															0	0%	100%
50															0	0%	100%
49															0	0%	100%
48	0														1	1%	100%
47	0														1	1%	99%
46															0	0%	98%
45	0														1	1%	98%
44															0	0%	97%
43	0	/	0	/	/										5	5%	97%
42	0	0	/	/	/										5	5%	92%
41	/	/	/												3	3%	87%
40	0	/	/	0	0	0	/	/	0	/					10	10%	84%
39	0	/	/	/	/	/	0	0	0	/	0				11	11%	74%
38	/	0	/	0	/	0	0	/	0	0	/				11	11%	63%
37	0	0	0	/	0	0	0	/	/	0	0				11	11%	52%
36	0	0	0	0	0	0	0	0	/	0					10	10%	41%
35	/	/	/	/	/	0	0	/	0	0					10	10%	31%
34	/	/	0	0	/	/	/								7	7%	21%
33	/	/	/	0	/	/	/								7	7%	14%
32	0	/	0	/	/	/									6	6%	7%
31															0	0%	1%
30	0														1	1%	1%
29															0	0%	0%
28															0	0%	0%
27															0	0%	0%
26															0	0%	0%
25															0	0%	0%
24															0	0%	0%
23															0	0%	0%
22															0	0%	0%
21															0	0%	0%
RECORDER: Nancy Cen															TOTAL NUMBER OF VEHICLES: 100		

←85th

85th percentile speed: 41 mph