

SPEED LIMIT - ENGINEERING/TRAFFIC SURVEY

STREET: Olympic Parkway

LIMITS: Hunte Parkway - Olympic Vista Road

Length of Segment (ft): 2,424' (0.46 miles)

Existing Posted Limit (mph): Not established (45 mph signs posted)

SUMMARY OF SPEED SURVEYS

Segment: Hunte Parkway - Olympic Vista Road

Date Taken: 01/10/2017

No. of Vehicles on Sample (cars): 100

85th Percentile (mph): 50

Range of Speeds Recorded (mph): 36 - 56

ROADWAY CHARACTERISTICS

Width (ft): 88' - 112' curb to curb with 4' - 24' wide raised median

Total No. of Lanes: 4 total lanes (2 per direction)

Horizontal Alignment: A horizontal curve located at Olympic Vista Road with a radius of 1600' over a length of 467' along the centerline produces a design speed of 64 mph.

Vertical Alignment: A crest vertical curve, located just east of Hunte Parkway, with a -2.01% to -5.60% grade change over 650' along the center line produces a design speed of 55 mph.

TRAFFIC CHARACTERISTICS

Average Daily Traffic: 9,741 (2015, between Hunte Pkwy and Olympic Vista Rd)

On-Street Parking: Parking is restricted on along the entire segment.

Special Conditions: A striped bike lane is provided in both directions of the segment. A 10' wide DG walkway runs along the entire segment on the north side of the roadway.

Accident History: The accident rate at this segment is 0.00 (accidents per million vehicle miles) which is lower than the rate of 1.27 for similar roadways in the State of California (2013).

SURVEY RESULTS

Study was Prepared by: Erica Wood

Date: 01/13/2017

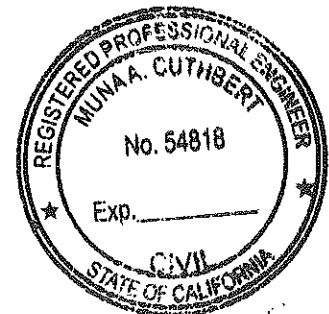
Recommendation: Establish the speed limit at 50 mph due to the 85th percentile speed and roadway characteristics.

Date Recommendation Approved: _____

By: Muna Cuthbert, P.E.

Approved Speed Limit (mph): _____

Per CVC 40802, Survey Expires: 01/10/2024



CITY OF CHULA VISTA - VEHICLE SPEED SURVEY

SEGMENT UNDER STUDY: Olympic Parkway (Hunte Parkway - Olympic Vista Road)

SURVEY SITE: 850' West of Olympic Vista Rd POSTED SPEED: 45mph (Not Established)

DATE: 1/10/2017 TIME START: 2:51 PM TIME END: 3:14 PM WEATHER: Clear

MPH	DIRECTION: <u>EB</u> = O WB = /															TOTAL	%	CUM %	
	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75				
60																			
59																			
58																			
57																			
56	O	/															2	2	100
55	O	O															2	2	98
54	O																1	1	96
53	O																1	1	95
52	O	/	/	/	/												5	5	94
51	O	O	/														3	3	89
50	O	O	/	/													4	4	86
49	O	O	O	O	O	/											6	6	82
48	O	O	O	O	O	O	/	/									8	8	76
47	O	O	O	O	/	/	/	/	/	/	/						11	11	68
46	O	O	O	O	/	/	/	/	/	/	/						11	11	57
45	O	O	O	O	O	O	O	/	/	/							10	10	46
44	O	O	/	/	/												5	5	36
43	O	O	/	/	/	/	/										7	7	31
42	O	O	O	/	/	/	/										7	7	24
41	O	/	/	/													4	4	17
40	O	O	O	/	/												5	5	13
39	O	O	/	/	/	/											6	6	8
38	/																1	1	2
37																	0	0	1
36	O																1	1	1
35																			
34																			
33																			
32																			
31																			
30																			
29																			
28																			
27																			
26																			
RECORDER: Abelardo Corral															TOTAL NUMBER OF VEHICLES: 100				

85th Percentile Speed: 50 MPH

SPEED LIMIT - ENGINEERING/TRAFFIC SURVEY

STREET: Olympic Parkway

LIMITS: Olympic Vista Road - Wueste Road

Length of Segment (ft): 2,222' (0.42 miles)

Existing Posted Limit (mph): Not Posted

SUMMARY OF SPEED SURVEYS

Segment: Olympic Vista Road - Wueste Road

Date Taken: 01/12/2017

No. of Vehicles on Sample (cars): 50

85th Percentile (mph): 45

Range of Speeds Recorded (mph): 31 - 52

ROADWAY CHARACTERISTICS

Width (ft): 65' - 88' curb to curb with 4' -24' median away from intersections

Total No. of Lanes: 4 total lanes (2 per direction) and 3 total lanes (2 eastbound and 1 westbound between Viento Estrella and Wueste Road)

Horizontal Alignment: A horizontal curve located just east of Olympic Training Center with a radius of 800' produces a design speed of 48 mph

Vertical Alignment: A vertical curve located at the intersection with Wueste Road with a -8.00% to -1.28% grade change over 250' along the center line.

TRAFFIC CHARACTERISTICS

Average Daily Traffic: 5,283 (2017, between Olympic Vista Road and Olympic Training Center)

On-Street Parking: Parking is restricted on both sides of the road along the entire segment.

Special Conditions: New Hope Community Church and Olympic Training Center are located on the south side of the roadway. A bike lane is located in both directions along the corridor.

Accident History: The accident rate at this segment is 0.41 (accidents per million vehicle miles) which is lower than the rate of 1.27 for similar roadways in the State of California (2013).

SURVEY RESULTS

Study was Prepared by: Erica Wood

Date: 04/05/2017

Recommendation: Establish a speed limit of 45 mph due to the 85th percentile speed and traffic characteristics.

Date Recommendation Approved:

By: Muna Cuthbert, P.E.

Approved Speed Limit (mph):

Per CVC 40802, Survey Expires: 01/12/2024

