

SPEED LIMIT - ENGINEERING/TRAFFIC SURVEY

STREET: Otay Lakes Road

LIMITS: Allen School Lane/Camino Elevado - Bonita View Terrace Apartment (1600 feet north of Canyon Drive)

Length of Segment (ft): 7,905' (1.50 miles)

Existing Posted Limit (mph): 45 mph between Allen School Lane and Camino del Cerro Grande

Existing Posted Limit (mph): 50 mph between Camino del Cerro Grande - Bonita View Terrace Apartment (1600 feet north of Canyon Drive)

SUMMARY OF SPEED SURVEYS

| | Segment: Allen School Ln. - Camino del Cerro Grande | Camino del Cerro Grande - Ridgeview Wy |
|--|--|--|
| Date Taken: | 4/24/2017 | 4/24/2017 |
| No. of Vehicles on Sample (cars): | 100 | 100 |
| 85th Percentile (mph): | 52 | 52 |
| Range of Speeds Recorded (mph): | 42 - 60 | 43 - 60 |
| | Segment: Ridgeview Wy. - Bonita View Terrace Apts. (1600 feet north of Canyon Drive) | |
| Date Taken: | 4/24/2017 | |
| No. of Vehicles on Sample (cars): | 100 | |
| 85th Percentile (mph): | 51 | |
| Range of Speeds Recorded (mph): | 40 - 59 | |

ROADWAY CHARACTERISTICS

Width (ft): 78' - 92' curb to curb

Total No. of Lanes: 4 lanes (two per direction) with a 4' - 16' painted median.

Horizontal Alignment: A horizontal curve located 660' west of Camino del Cerro Grande with a radius of 500' over a length of 302.55' along the centerline produces a design speed of 38 mph.

Vertical Alignment: A crest vertical curve located at Otay Lakes Road and Bonita View Terrace Apartments, with a +8.00% to -2.17% grade change over 1920' along the centerline produces a design speed of 55 mph

TRAFFIC CHARACTERISTICS

Average Daily Traffic: 31,226 (2017)

On-Street Parking: No parking along the entire segment

Special Conditions: Bus and truck route and bike lanes exist along both sides of roadway. A curve warning sign with an advisory speed of 40 mph exists in the northbound direction.

Accident History: The accident rate at this segment is 0.08 (accidents per million vehicle miles) which is lower than the rate of 1.47 for similar roadways in the State of California (2013).

SURVEY RESULTS

Study was Prepared by: Erica Wood

Date: 04/27/2017

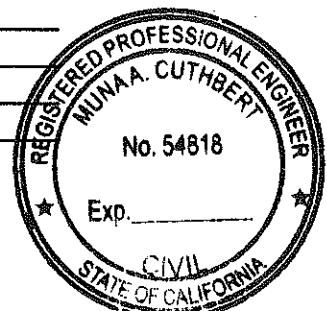
Recommendation: A 5 mph increase between Allen School Lane and Camino del Cerro Grande to 50 mph due to the 85th percentile speed, roadway and traffic characteristics and retain the 50 mph posted speed limit between Camino del Cerro Grande and Bonita View Terrace Apt (1600 ft. north of Canyon Drive)

Date Recommendation Approved:

By:

Approved Speed Limit (mph): 50 mph

Per CVC 40803, Survey Expires: 04/24/2023



CITY OF CHULA VISTA - VEHICLE SPEED SURVEY

SEGMENT UNDER STUDY: Otay Lakes Road (Allen School Ln - Camino del Cerro Grande)

DATE: 4/24/2017

SURVEY SITE: 600' South of Allen School Lane

POSTED SPEED: 45 MPH

TIME START: 11:15 A.M.

TIME END: 11:30 A.M.

WEATHER: Partly Cloudy

| MPH | DIRECTION: <u>SB</u> = O <u>NB</u> = / | | | | | | | | | | | | | | | | TOTAL | % | CUM % | |
|-----------------------|--|---|---|---|----|---|---|---|----|---|---|-------------------------------|----|---|---|---|-------|----|-------|-----|
| | 5 | | | | 10 | | | | 15 | | | | 20 | | | | | | | |
| 60 | / | | | | | | | | | | | | | | | | | 1 | 1 | 100 |
| 59 | | | | | | | | | | | | | | | | | | 0 | 0 | 99 |
| 58 | O | | | | | | | | | | | | | | | | | 1 | 1 | 99 |
| 57 | O | / | | | | | | | | | | | | | | | | 2 | 2 | 98 |
| 56 | | | | | | | | | | | | | | | | | | 0 | 0 | 96 |
| 55 | O | / | | | | | | | | | | | | | | | | 2 | 2 | 96 |
| 54 | O | O | O | / | | | | | | | | | | | | | | 4 | 4 | 94 |
| 53 | O | O | / | / | / | | | | | | | | | | | | | 5 | 5 | 90 |
| 52 | O | O | O | O | / | / | / | / | / | / | / | / | / | / | / | / | | 12 | 12 | 85 |
| 51 | O | O | O | O | O | O | O | O | O | / | / | / | / | / | / | / | | 16 | 16 | 73 |
| 50 | O | O | O | O | O | O | O | O | O | / | / | / | / | / | / | / | / | 18 | 18 | 57 |
| 49 | O | O | O | O | O | / | / | / | / | / | / | / | / | / | / | / | | 13 | 13 | 39 |
| 48 | O | O | O | O | O | / | / | / | / | / | / | / | / | / | / | / | | 11 | 11 | 26 |
| 47 | O | O | O | O | / | | | | | | | | | | | | | 5 | 5 | 15 |
| 46 | O | / | / | | | | | | | | | | | | | | | 3 | 3 | 10 |
| 45 | O | O | | | | | | | | | | | | | | | | 2 | 2 | 7 |
| 44 | O | / | | | | | | | | | | | | | | | | 2 | 2 | 5 |
| 43 | / | | | | | | | | | | | | | | | | | 1 | 1 | 3 |
| 42 | O | / | | | | | | | | | | | | | | | | 2 | 2 | 2 |
| 41 | | | | | | | | | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | | | | | | | | | |
| 39 | | | | | | | | | | | | | | | | | | | | |
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| 25 | | | | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | | | |
| RECORDER: Ben Herrera | | | | | | | | | | | | TOTAL NUMBER OF VEHICLES: 100 | | | | | | | | |

85th Percentile Speed: 52 MPH

CITY OF CHULA VISTA - VEHICLE SPEED SURVEY

SEGMENT UNDER STUDY: Otay Lakes Road (Camino del Cerro Grande - Ridgeview Way)

DATE: 4/24/2017 SURVEY SITE: Mid-block POSTED SPEED: 50 MPH

TIME START: 11:44 AM TIME END: 11:57 AM WEATHER: Sunny

| MPH | DIRECTION: <u>SB</u> = 0 <u>NB</u> = \ | | | | | | | | | | | | | | | | TOTAL | % | CUM % | |
|------------------------------|--|---|---|---|----|---|---|---|----|---|---|---|----|---|---|--|--------------------------------------|----|-------|-----|
| | 5 | | | | 10 | | | | 15 | | | | 20 | | | | | | | |
| 60 | 0 | | | | | | | | | | | | | | | | | 1 | 1 | 100 |
| 59 | | | | | | | | | | | | | | | | | | 0 | 0 | 99 |
| 58 | 0 | | | | | | | | | | | | | | | | | 1 | 1 | 99 |
| 57 | | | | | | | | | | | | | | | | | | 0 | 0 | 98 |
| 56 | 0 | | | | | | | | | | | | | | | | | 1 | 1 | 98 |
| 55 | 0 | 0 | 0 | | | | | | | | | | | | | | | 3 | 3 | 97 |
| 54 | 0 | / | / | / | | | | | | | | | | | | | | 4 | 4 | 94 |
| 53 | 0 | 0 | 0 | / | / | | | | | | | | | | | | | 5 | 5 | 90 |
| 52 | 0 | 0 | 0 | 0 | / | / | | | | | | | | | | | | 6 | 6 | 85 |
| 51 | 0 | 0 | 0 | 0 | 0 | / | / | / | / | / | | | | | | | | 10 | 10 | 79 |
| 50 | 0 | 0 | 0 | 0 | 0 | 0 | / | / | / | / | | | | | | | | 10 | 10 | 69 |
| 49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | / | / | / | / | | | | | | | 12 | 12 | 59 |
| 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | / | / | / | / | / | / | / | / | | | 15 | 15 | 47 |
| 47 | 0 | 0 | 0 | 0 | 0 | 0 | / | / | / | / | / | / | / | / | | | | 12 | 12 | 32 |
| 46 | 0 | 0 | 0 | 0 | / | / | / | / | | | | | | | | | | 8 | 8 | 20 |
| 45 | 0 | 0 | 0 | / | / | / | / | | | | | | | | | | | 7 | 7 | 12 |
| 44 | 0 | 0 | | | | | | | | | | | | | | | | 2 | 2 | 5 |
| 43 | 0 | / | / | | | | | | | | | | | | | | | 3 | 3 | 3 |
| 42 | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 41 | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 40 | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 39 | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 38 | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 37 | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 36 | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 35 | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 34 | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 33 | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 32 | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 31 | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 30 | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 29 | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 28 | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 27 | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 26 | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| RECORDER: Ben Herrera | | | | | | | | | | | | | | | | | TOTAL NUMBER OF VEHICLES: 100 | | | |

85th Percentile Speed: 52 MPH

CITY OF CHULA VISTA - VEHICLE SPEED SURVEY

SEGMENT UNDER STUDY: Otay Lakes Road (Ridgeview Way - Bonita View Terrace Apt. (1600 ft. north Canyon DR.)

DATE: 4/24/2017

SURVEY SITE: Mid-block

POSTED SPEED: 50 MPH

TIME START: 11:32 AM

TIME END: 11:43 AM

WEATHER: Sunny

| MPH | DIRECTION: <u>SB</u> = 0 <u>NB</u> = \ | | | | | | | | | | | | | | | | TOTAL | % | CUM % |
|------------------------------|--|---|---|---|----|---|---|---|----|---|---|---|----|---|---|---|--------------------------------------|----|-------|
| | 5 | | | | 10 | | | | 15 | | | | 20 | | | | | | |
| 60 | | | | | | | | | | | | | | | | | 0 | 0 | 100 |
| 59 | 0 | | | | | | | | | | | | | | | | 1 | 1 | 100 |
| 58 | / | | | | | | | | | | | | | | | | 1 | 1 | 99 |
| 57 | | | | | | | | | | | | | | | | | 0 | 0 | 98 |
| 56 | 0 | | | | | | | | | | | | | | | | 1 | 1 | 98 |
| 55 | / | | | | | | | | | | | | | | | | 1 | 1 | 97 |
| 54 | 0 | / | | | | | | | | | | | | | | | 2 | 2 | 96 |
| 53 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 4 | 4 | 94 |
| 52 | 0 | / | / | / | | | | | | | | | | | | | 4 | 4 | 90 |
| 51 | 0 | 0 | 0 | 0 | 0 | 0 | / | / | / | / | / | / | / | / | / | / | 12 | 12 | 86 |
| 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | / | / | / | / | / | / | / | 15 | 15 | 74 |
| 49 | 0 | 0 | 0 | 0 | 0 | 0 | / | / | / | / | / | / | / | / | / | / | 14 | 14 | 59 |
| 48 | 0 | 0 | 0 | 0 | 0 | / | / | / | / | | | | | | | | 9 | 9 | 45 |
| 47 | 0 | 0 | 0 | 0 | 0 | / | / | / | | | | | | | | | 8 | 8 | 36 |
| 46 | 0 | 0 | 0 | 0 | / | / | / | | | | | | | | | | 7 | 7 | 28 |
| 45 | 0 | / | / | / | / | / | | | | | | | | | | | 6 | 6 | 21 |
| 44 | 0 | 0 | / | / | / | | | | | | | | | | | | 5 | 5 | 15 |
| 43 | 0 | 0 | / | / | | | | | | | | | | | | | 4 | 4 | 10 |
| 42 | 0 | / | / | | | | | | | | | | | | | | 3 | 3 | 6 |
| 41 | 0 | / | | | | | | | | | | | | | | | 2 | 2 | 3 |
| 40 | / | | | | | | | | | | | | | | | | 1 | 1 | 1 |
| 39 | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 38 | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 37 | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 36 | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 35 | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 34 | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 33 | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 32 | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 31 | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 30 | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 29 | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 28 | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 27 | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 26 | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| RECORDER: Ben Herrera | | | | | | | | | | | | | | | | | TOTAL NUMBER OF VEHICLES: 100 | | |

85th Percentile Speed: 51 MPH