

SPEED LIMIT - ENGINEERING/TRAFFIC SURVEY

STREET: San Miguel Ranch Road
LIMITS: Proctor Valley Road (North) - SR 125
Length of Segment (ft): 3,853' (0.73 miles)
Existing Posted Limit (mph): Posted 35 mph without the required "Engineering and Traffic Survey" and adoption of City Ordinance

SUMMARY OF SPEED SURVEYS

Segment:	Avenida Altamira - Avenida Loretta	Avenida Loretta - SR-125
Date Taken:	12/11/13	11/26/13
No. of Vehicles on Sample (cars):	100	100
85th Percentile (mph):	47	44
Range of Speeds Recorded (mph):	34 - 53	29 - 50

ROADWAY CHARACTERISTICS

Width (ft): 74' curb to curb with a 10' raised center median
Total No. of Lanes: 4 total lanes (2 per direction, at Proctor Valley Road in the westbound direction lanes turn into 1 right turn lane, and 1 left-turn lane)
Horizontal Alignment: A horizontal curve located to the west of the SR-125 ramps with a radius of 1100' over a length of 416' along the centerline produces a design speed of 60 mph.
Vertical Alignment: A crest vertical curve located between Avenida Loretta and the SR-125 with an 8.00% to a 2.25% grade change over 600' produces a design speed of 47 mph.

TRAFFIC CHARACTERISTICS

Average Daily Traffic: 7,647 (2010, Avenida Loretta - SR-125)
On-Street Parking: Not allowed
Special Conditions: SR-125 northbound on and southbound off ramps are located on the east end of the segment. Bike lanes are located along the entire segment.
Accident History: The accident rate at this segment is 0.33 (accidents per million vehicle miles) which is lower than the rate of 1.53 for similar roadways in the State of California (2010).

SURVEY RESULTS

Study was Prepared by: Erica Wood
Date: 12/26/2013
Recommendation: Establish a 45 mph speed limit due to the 85th percentile speed, roadway and traffic conditions.
Date Recommendation Approved:
By: Muna Cuthbert, P.E.
Approved Speed Limit (mph): 45 mph
Per CVC 40802, Survey Expires: 11/26/2020