



City of Redding
Public Works Department
Traffic Operations

Engineering and Traffic Survey of Rancho Road

Survey Date: 01/06/2014
7-year Expiration: 01/06/2021

For the determination of safe and reasonable speed zoning as required by Sections 22358 and 40802 of the California Vehicle Code (CVC), as defined by Section 627 of the CVC and in accordance with Section 2B.13 of the California Manual on Uniform Traffic Control Devices, this Engineering and Traffic Survey (E&TS) was initiated to verify or modify speed zones on Rancho Road.

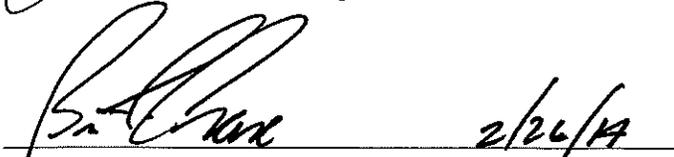
Based on the results of this E&TS and adoption of Ordinance Number 2465 by the City Council of the City of Redding, amending Redding Municipal Code Section 11.12.010, the following speed zone on Rancho Road is established:

- 40 mph from Churn Creek Road to 260 ft East of Saratoga Drive
- 45 mph from 260 ft East of Saratoga Drive to Airport Road

In accordance with Redding Municipal Code 11.08.010, appropriate signs giving notice of the above speed zoning shall be placed and the stated speed limit(s) shall be effective upon the placement of such signs.



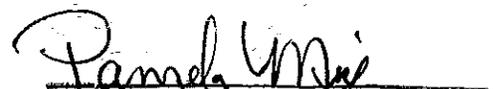
John C. Abshier, P.E. 1-12-14
Traffic Operations Manager Date



Brian Crane, P. E. 2/26/14
Director of Public Works Date



ATTEST:



PAMELA MIZE, City Clerk



Rancho Road

SPEED ZONE BOUNDARY	Churn Creek Road to 260 ft East of Saratoga Drive	260 ft East of Saratoga Drive to Airport Road
----------------------------	---	---

ROADSIDE CONDITIONS

Land Use District	Residential	Residential
Pedestrian Use	Few	Few
Percent Sidewalks	0%	0%
Bike Lane or Bike Route	Yes	Yes
Driveways Present	Numerous	Numerous

ROADWAY GEOMETRY

Roadway Segment Length, Ft	3,010	6,125
Number of Thru Lanes	2 (1 WB, 1 EB)	2 (1 WB, 1 EB)
Width, Ft	30 - 54	26 - 50
Median Type	Double Yellow Stripe	Double Yellow Stripe
Horizontal Alignment	Straight	Straight
Vertical Alignment	Flat	Flat

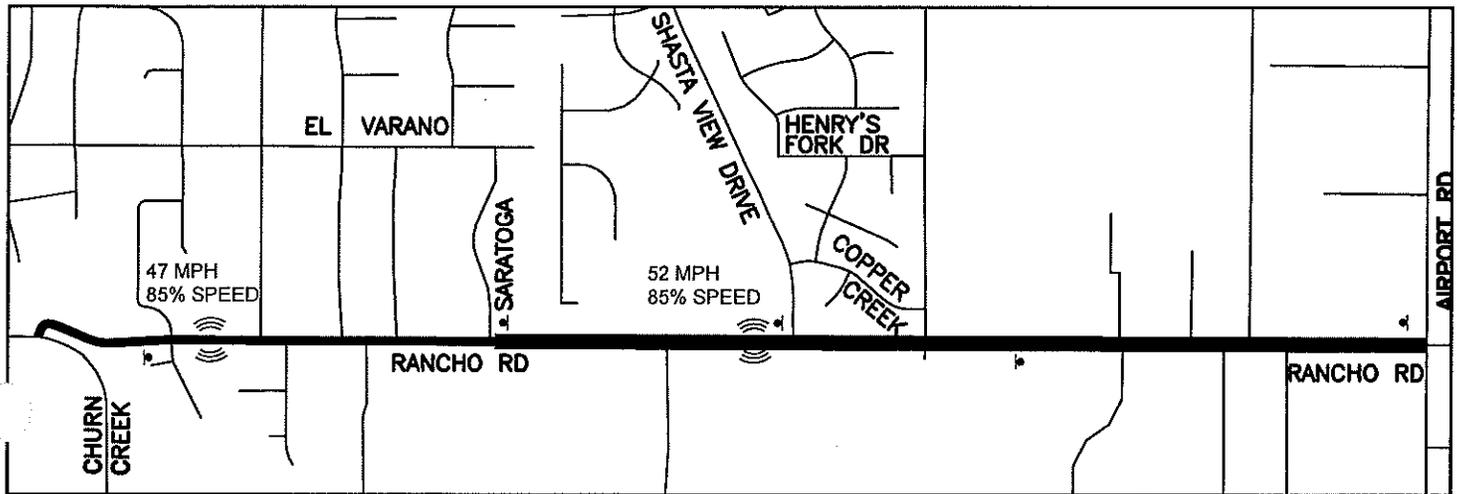
TRAFFIC CONDITIONS

Average Daily Traffic (ADT)	5,887	4,689
Collisions in the Last 2 Years	6	3
Collision Rate, per MVM	2.45	0.76
City-Wide Average Rate, per MVM	2.21	2.21
10 mph Pace Range, mph	37 - 47	43 - 53
Vehicles Within Pace, %	78	78
Median Speed (50%), mph	43	47
Existing Posted Speed, mph	45	45
Prevailing Speed (85%), mph	47	52
Nearest 5-mph Increment, mph	45	50
5-mph Reduction Recommended	Yes	Yes

RECOMMENDATION

POST SPEED LIMIT	40 mph	45 mph
<p>Conditions Justifying 5-mph Reduction Below the Nearest 5-mph Increment of the Prevailing Speed (85%)</p>	<p>The collision rate and number of collisions indicate conditions may not be readily apparent to drivers. Use by pedestrians and cyclists has been observed. A 5-mph reduction is justified.</p>	<p>The presence of pedestrians and cyclists has been observed. This section includes a Class 3 Bike Route. A 5-mph reduction is justified.</p>

L:\c_studies\engineering and traffic survey\Volume 3 2014\speed zone maps\2010 base speed survey.dwg, 1/2/2011 11:17:05 AM



LEGEND

- ▼ SPEED LIMIT SIGN
- ⊕⊕ RADAR LOCATION
- 40 MPH SPEED LIMIT ZONE
- 45 MPH SPEED LIMIT ZONE

CITY OF REDDING PUBLIC WORKS DEPARTMENT

RANCHO ROAD

ENGINEERING & TRAFFIC SURVEY

CHURN CREEK RD TO AIRPORT RD

