



City of Redding
 Public Works Department
 Traffic Operations

Engineering and Traffic Survey of Old Alturas Road

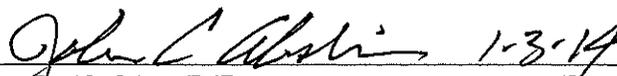
Survey Date: 12/18/2013
 7-year Expiration: 12/18/2020

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 Old Alturas 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 zones on Old Alturas Road are established:

- 30 mph from Churn Creek Road to 200 feet east of Browning Street
- 40 mph from 200 feet east of Browning Street to the City Limit

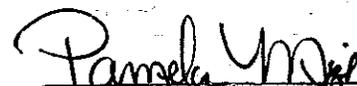
In accordance with Redding Municipal Code 11.08.010, appropriate signs giving notice of the above speed zoning shall be placed and the stated speed limit(s) shall be effective upon the placement of such signs.


 _____ 1-3-14
 John C. Abshier, P.E. Date
 Traffic Operations Manager


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



ATTEST:



 PAMELA MIZE, City Clerk



Old Alturas Road

SPEED ZONE BOUNDARY	Churn Creek Road to 200 feet east of Browning Street	200 feet east of Browning Street to Oak Mesa Lane	Oak Mesa Lane to Redding City Limit
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ROADSIDE CONDITIONS

Land Use District	Business	Residential	Residential
Pedestrian Use	Few	Few	Few
Percent Sidewalks	100%	10%	5%
Bike Lane or Bike Route	Yes	Yes	Yes
Driveways Present	Several	Several	Several

ROADWAY GEOMETRY

Roadway Segment Length, Ft	2,670	3,185	4,430
Number of Thru Lanes	4 (2 WB, 2 EB)	2 (1 WB, 1 EB)	2 (1 WB, 1 EB)
Width, Ft	64	30 - 50	26 - 48
Median Type	Center Turn Lane	Double Yellow Stripe	Double Yellow Stripe
Horizontal Alignment	Gradual Curves	Gradual Curves	Gradual Curves
Vertical Alignment	Flat	On Grade	On Grade

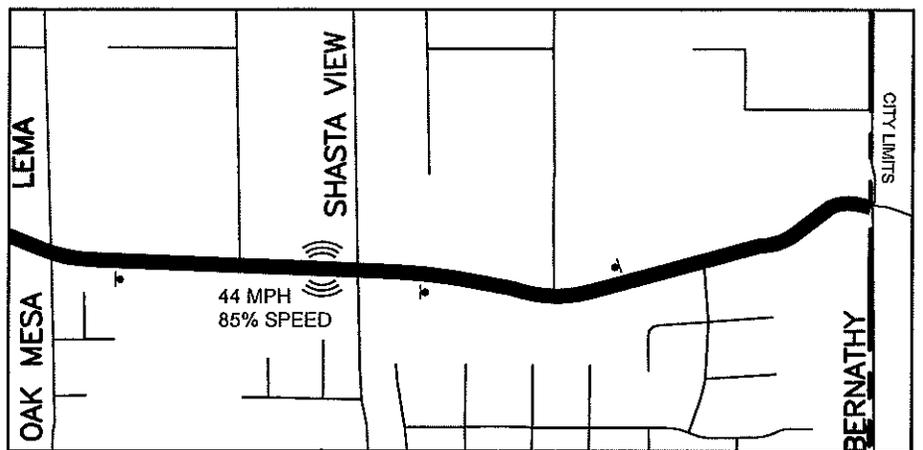
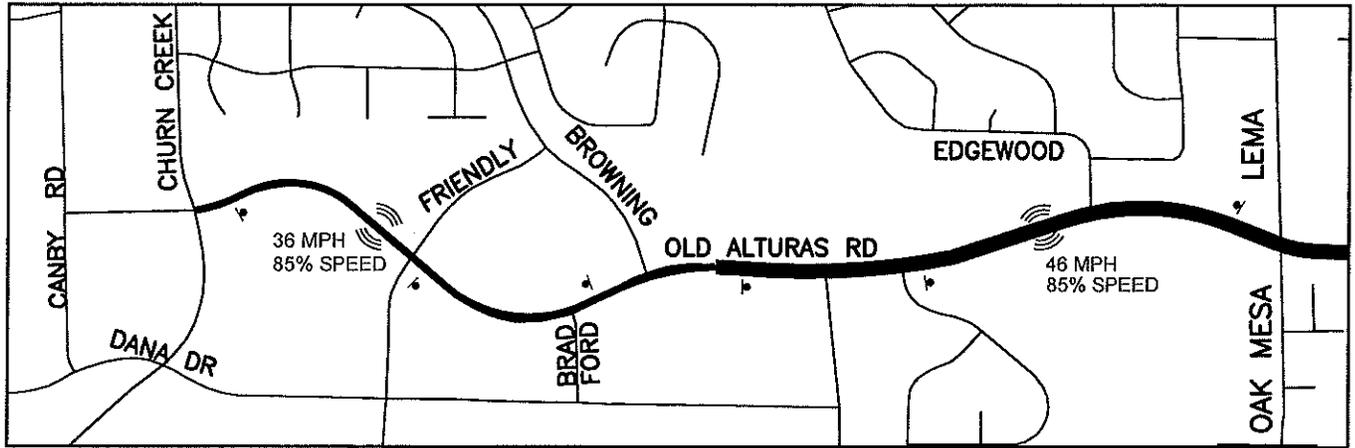
TRAFFIC CONDITIONS

Average Daily Traffic (ADT)	9,430	11,485	8,202
Collisions in the Last 2 Years	12	6	7
Collision Rate, per MVM	3.45	1.19	1.39
City-Wide Average Rate, per MVM	2.21	2.21	2.21
10 mph Pace Range, mph	29-39	35 - 45	35 - 45
Vehicles Within Pace, %	91	79	82
Median Speed (50%), mph	32	41	40
Existing Posted Speed, mph	30	40	40
Prevailing Speed (85%), mph	36	46	44
Nearest 5-mph Increment, mph	35	45	45
5-mph Reduction Recommended	Yes	Yes	Yes

RECOMMENDATION

POST SPEED LIMIT	30 mph	40 mph	40 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. Frequent use by pedestrians and cyclists has been observed. This section includes on-street Bike Lanes. A 5-mph reduction is justified.</p>	<p>Frequent use by pedestrians and cyclists has been observed. This section has limited sidewalks and is a Class 3 Bike Route. A 5-mph reduction is justified.</p>	<p>Frequent use by pedestrians and cyclists has been observed. This section has limited sidewalks and is a Class 3 Bike Route with some on-street Bike Lanes. A 5-mph reduction is justified.</p>

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LEGEND

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

CITY OF REDDING PUBLIC WORKS DEPARTMENT

OLD ALTURAS ROAD

ENGINEERING & TRAFFIC SURVEY

CHURN CREEK RD TO CITY LIMITS

