



City of Redding
Public Works Department
Traffic Operations

Engineering and Traffic Survey of Old Oregon Trail

Survey Date: 1/15/2014
7-year Expiration: 1/15/2021

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 Old Oregon Trail

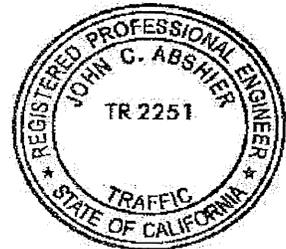
Based on the results of this E&TS and adoption of Ordinance Number 2517 by the City Council of the City of Redding, amending Redding Municipal Code Section 11.12.010, the following speed zones on Old Oregon Trail are established:

- 40 mph from Airport Road to Harley Leighton Drive
- 50 mph from Oasis Road to Midland Drive
- 45 mph from Midland Drive 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.



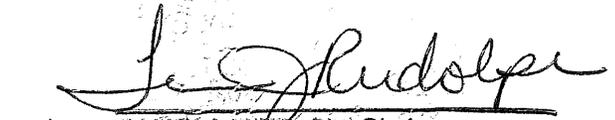
John C. Abshier, P.E. Date
Traffic Operations Manager





Brian Crane, P. E. 11/10/14 Date
Director of Public Works

ATTEST:



for PAMELA MIZE, City Clerk



Old Oregon Trail

SPEED ZONE BOUNDARY	Airport Road to Harley Leighton Road	Oasis Road to Midland Drive	Midland Drive to City Limit
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ROADSIDE CONDITIONS

Land Use District	Business/Residential	Rural Residential	Rural Residential
Pedestrian Use	Few	Few	Few
Percent Sidewalks	0%	0%	0%
Bike Lane or Bike Route	Yes	No	No
Driveways Present	Few	Few	Several

ROADWAY GEOMETRY

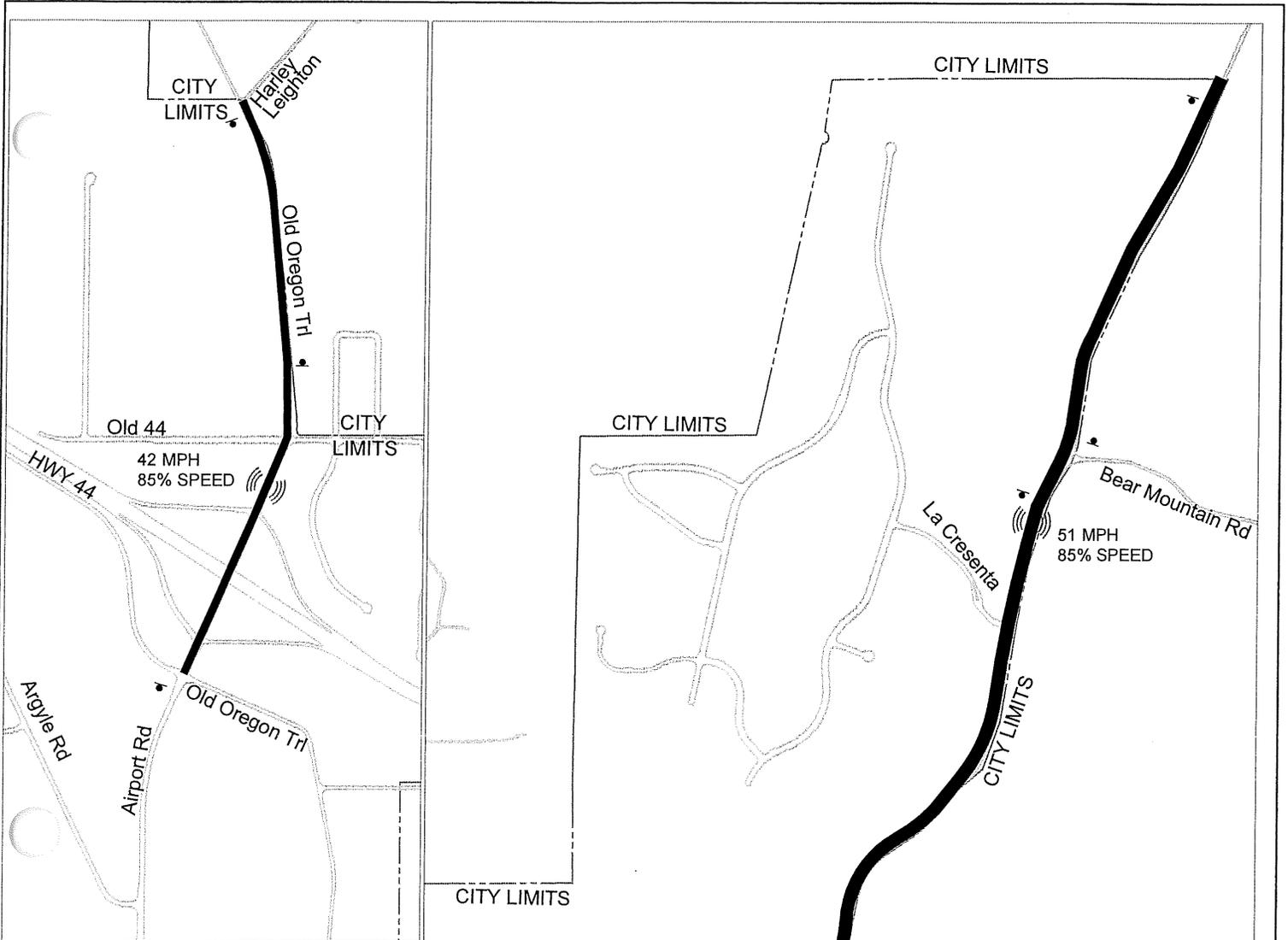
Roadway Segment Length, Ft	4,460	3,076	9,114
Number of Thru Lanes	2 (1 NB, 1 SB)	2 (1 NB, 1 SB)	2 (1 NB, 1 SB)
Width, Ft	Varies 26' - 59'	24'	Varies 24' - 48'
Median Type	Dble Yellow/Ctr Turn Lane	Double Yellow Stripe	Double Yellow Stripe
Horizontal Alignment	Straight	Gradual Curves	Gradual Curves
Vertical Alignment	Flat	Vertical Curves	Flat

TRAFFIC CONDITIONS

Average Daily Traffic (ADT)	7,487	4,798	2,691
Collisions in the Last 2 Years	7	0	12
Collision Rate	1.52 Coll/MVM	0 Coll/MVM	3.54 Coll/MVM
City-Wide Average Rate	2.21 Coll/MVM	2.21 Coll/MVM	2.21 Coll/MVM
10 mph Pace Range , mph	33 - 43	45 - 55	42 - 52
Vehicles Within Pace, %	86%	77%	77%
Median Speed (50%) , mph	38	50	46
Existing Posted Speed, mph	40	50	45
Prevailing Speed (85%) , mph	42	54	51
Nearest 5-mph Increment, mph	40	55	50
5-mph Reduction Recommended	No	Yes	Yes

RECOMMENDATION

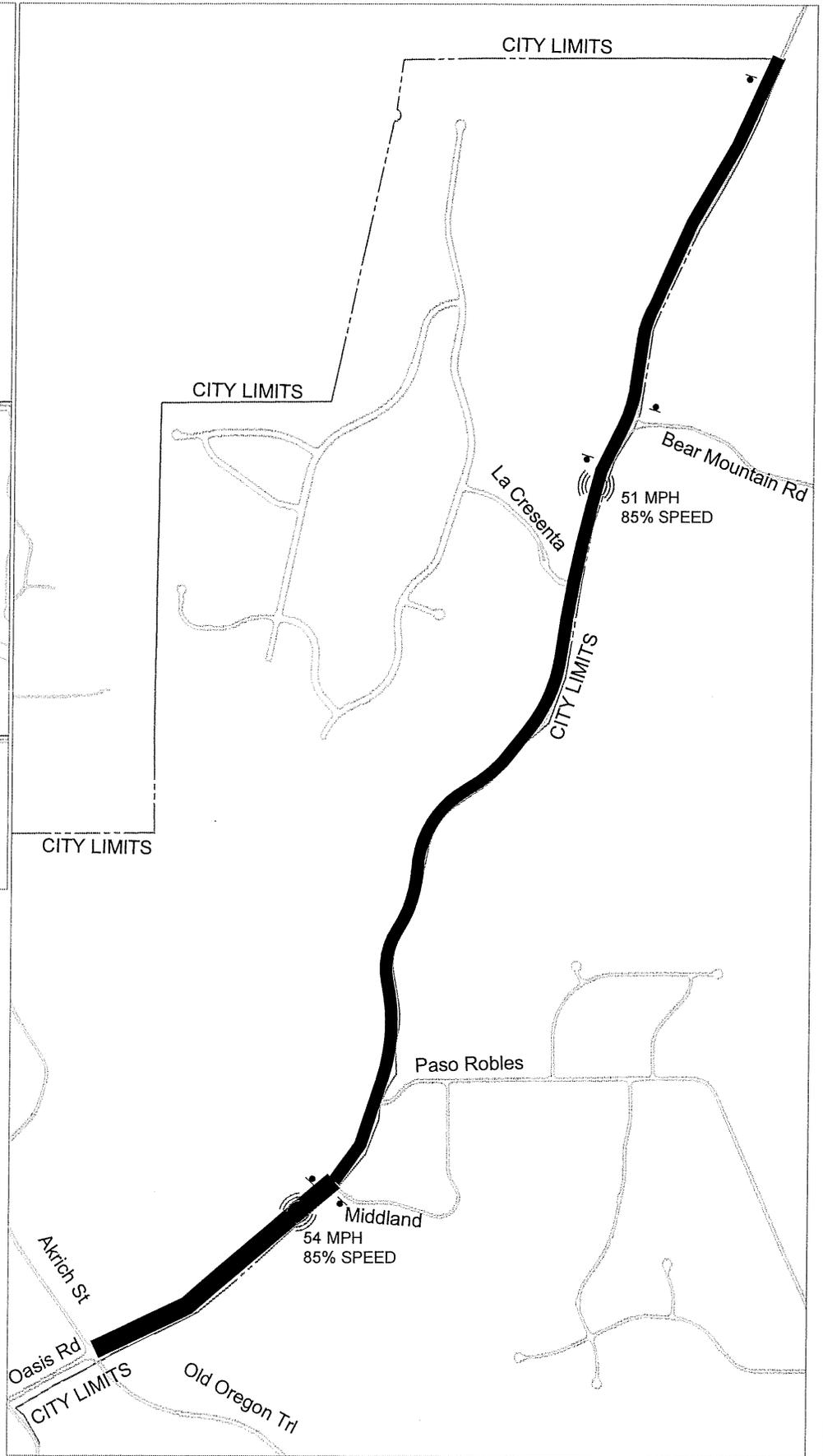
POST SPEED LIMIT	40 mph	50 mph	45 mph
Conditions Justifying 5-mph Reduction Below the Nearest 5-mph Increment of the Prevailing Speed (85%)	n/a	The presence of pedestrians and cyclists has been observed. This section includes a Bike Route. A 5-mph reduction is justified.	The presence of pedestrians and cyclists has been observed. This section includes a Bike Route. A 5-mph reduction is justified.



AIRPORT ROAD TO HARLEY LEIGHTON

LEGEND

- ▼ SPEED LIMIT SIGN
- (()) RADAR LOCATION
- █ 50 MPH SPEED LIMIT ZONE
- █ 45 MPH SPEED LIMIT ZONE
- █ 40 MPH SPEED LIMIT ZONE



CITY OF REDDING PUBLIC WORKS DEPARTMENT

**OLD OREGON TRAIL
ENGINEERING & TRAFFIC SURVEY
AKRICH STREET to CITY LIMITS**

