



City of Redding
 Public Works Department
 Traffic Operations

Engineering and Traffic Survey of Radio Lane

Survey Date: 9/26/2018
 7-year Expiration: 9/26/2025

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 Radio Lane.

Based on the results of this E&TS and adoption of Ordinance Number (TBD) by the City Council of the City of Redding, amending Redding Municipal Code Section 11.12.010, the following speed zone(s) on Radio Lane is / are established:

- 35 mph from Eastside Road to East Bonnyview 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.

Shelby Nadin 05/29/19
 Shelby May Nadin, P.E. Date
 Assistant Engineer



Chuck Auckland 8/28/19
 Chuck Auckland, P. E. Date
 Director of Public Works

ATTEST:

Pamela Mize
 PAMELA MIZE, City Clerk



Radio Lane

SPEED ZONE BOUNDARY	Eastside Road to East Bonnyview Road
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ROADSIDE CONDITIONS

Land Use District	Business/Residential
Pedestrian Use	Few
Percent Sidewalks	20%
Bike Lane or Bike Route	Yes
Driveways Present	Numerous

ROADWAY GEOMETRY

Roadway Segment Length, Ft	2,412
Number of Thru Lanes	2 (1 NB, 1 SB)
Width, Ft	Varies 24' to 40'
Median Type	Double Yellow Stripe
Horizontal Alignment	Gradual Curves
Vertical Alignment	Flat

TRAFFIC CONDITIONS

Average Daily Traffic (ADT)	2,094
Collisions in the Last 2 Years	0
Collision Rate	0 Coll/MV
City-Wide Average Rate	1.64 Coll/MV
10 mph Pace Range, mph	32 - 42
Vehicles Within Pace, %	73%
Median Speed (50%), mph	35
Existing Posted Speed, mph	35
Prevailing Speed (85%), mph	40
Nearest 5-mph Increment, mph	40

5-MPH REDUCTION OPTION per CA-MUTCD 2B.13 Option 1

Conditions that justify a 5-mph reduction below the nearest 5-mph increment of the prevailing speed:

Traffic Safety	-
Safety of Pedestrians	Yes
Safety of Cyclists	Yes
Residential Density	-
5-mph Reduction Recommended	Yes

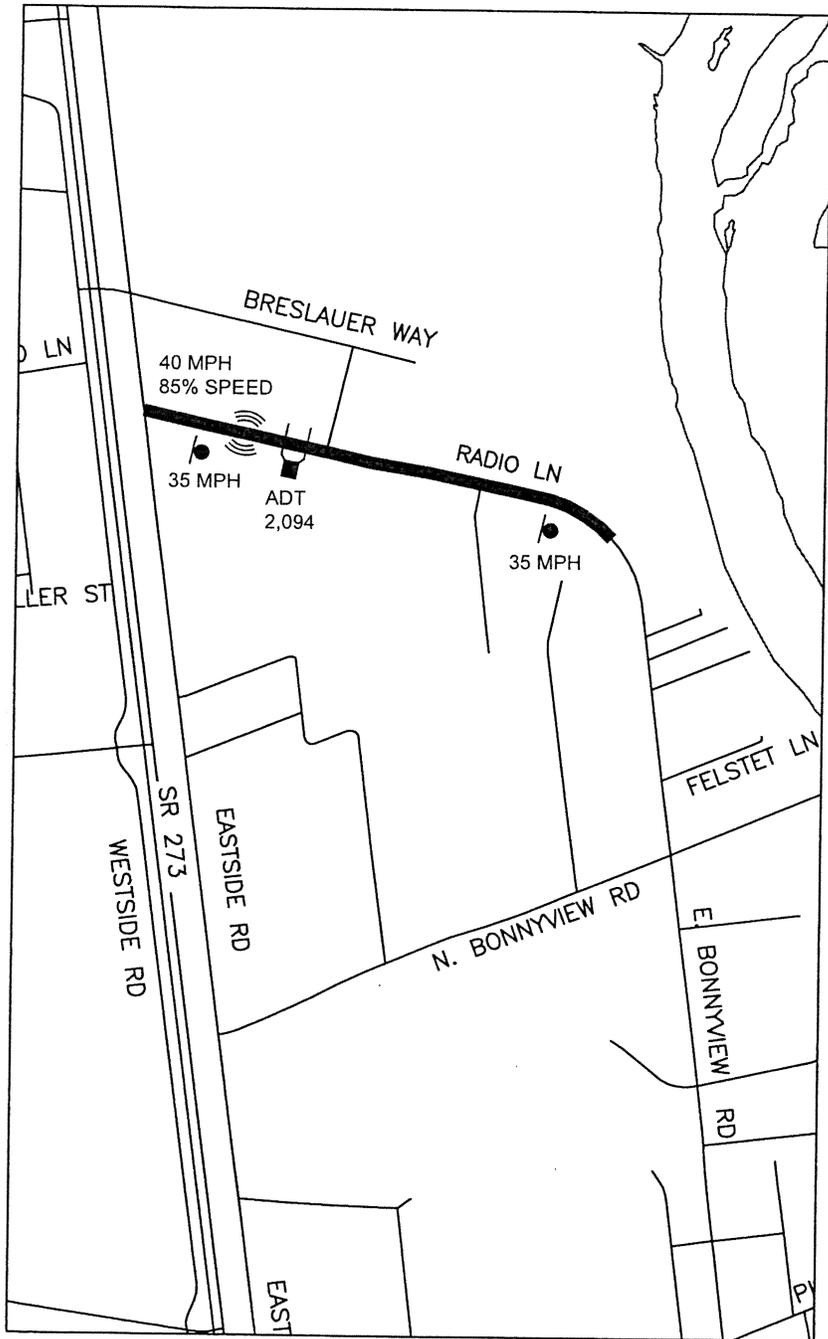
ROUNDING DOWN OPTION per CVC 21400 (b)

Where the nearest 5 mph increment would require rounding *up* from the prevailing speed, the posted speed limit may be rounded *down* from the prevailing speed, with no further reduction for any reason.

Rounding Down Recommended	No
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RECOMMENDATION

POST SPEED LIMIT	35 mph
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LEGEND

-  SPEED LIMIT SIGN
-  RADAR LOCATION
-  TUBE LOCATION
-  35 MPH SPEED LIMIT ZONE

CITY OF REDDING PUBLIC WORKS DEPARTMENT

**RADIO LANE
ENGINEERING & TRAFFIC SURVEY**

Eastside Rd to E. Bonnyview Rd

