City of Redding
Public Works Department
Traffic Operations

Engineering and Traffic Survey of Redwood Blvd

Survey Date:	3/5/2015
7-year Expiration:	3/5/2022

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 Redwood Blvd.

Based on the results of this E&TS and adoption of Ordinance Number 2548 by the City Council of the City of Redding, amending Redding Municipal Code Section 11.12.010, the following speed zone(s) on Redwood Blvd is / are established:

- 30 mph from Northpoint Drive to Caterpillar 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.

REGISTERED PROFESSIONAL ENGINEER JOHN C. ABSHIER No. C63895 CIVIL STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER JOHN C. ABSHIER TR 2251 TRAFFIC STATE OF CALIFORNIA

6/10/16
John C. Abshier, P.E. Date
Traffic Operations Manager

6/13/2016
Brian Crane, P. E. Date
Director of Public Works

ATTEST:

PAMELA MIZE, City Clerk

City of Redding
Public Works Department
Traffic Operations

Engineering & Traffic Survey

Redwood Blvd

SPEED ZONE BOUNDARY	Northpoint Drive to Caterpillar Road

ROADSIDE CONDITIONS

Land Use District	Business/Residential
Pedestrian Use	Moderate
Percent Sidewalks	50%
Bike Lane or Bike Route	No
Driveways Present	Numerous

ROADWAY GEOMETRY

Roadway Segment Length, Ft	5,860
Number of Thru Lanes	2
Width, Ft	38
Median Type	Double Yellow Stripe
Horizontal Alignment	Curvilinear
Vertical Alignment	On Grade

TRAFFIC CONDITIONS

Average Daily Traffic (ADT)	2,022
Collisions in the Last 2 Years	4
Collision Rate	2.44 Coll/MVM
City-Wide Average Rate	1.86 Coll/MVM
10 mph Pace Range , mph	28-38
Vehicles Within Pace, %	86%
Median Speed (50%) , mph	31
Existing Posted Speed, mph	30
Prevailing Speed (85%) , mph	34
Nearest 5-mph Increment, mph	35

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	Yes
Safety of Pedestrians	Yes
Safety of Cyclists	-
Residential Density	Yes
5-mph Reduction Recommended	No

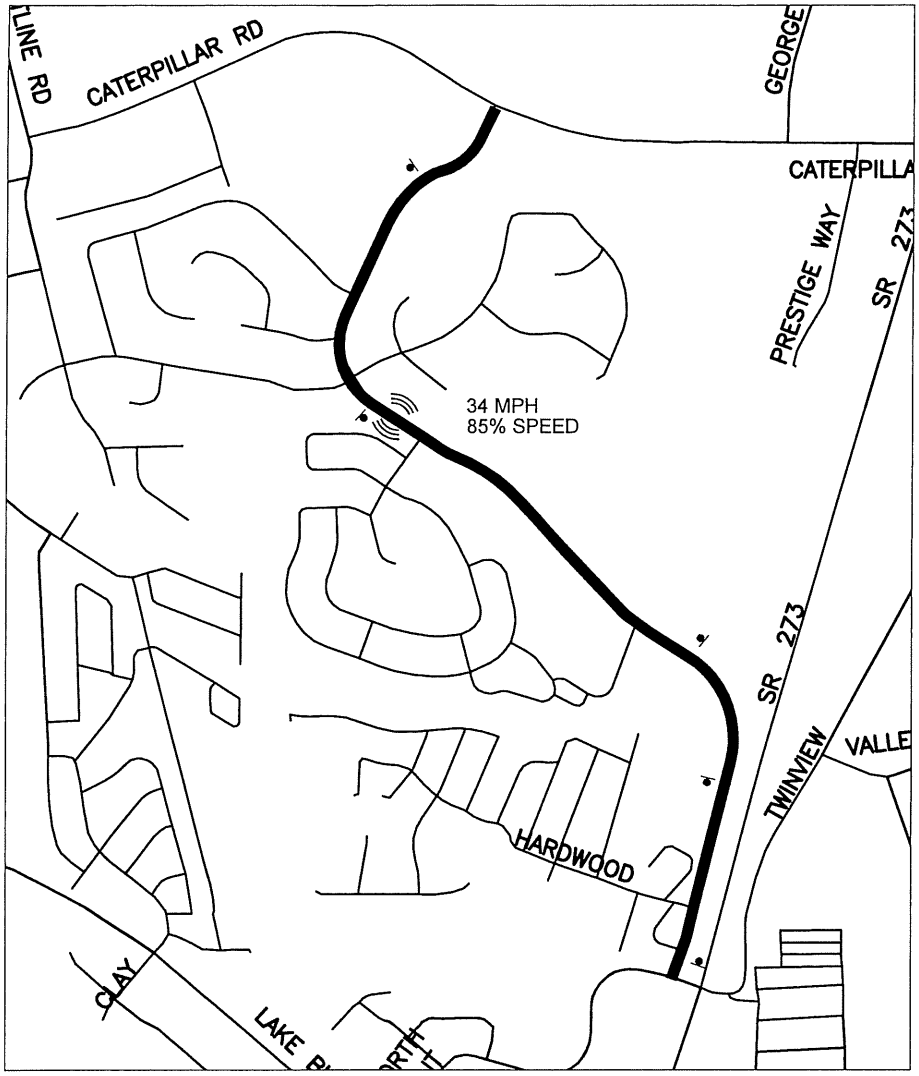
ROUNDING DOWN OPTION
per CVC 21400 (b)

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	Yes

RECOMMENDATION

POST SPEED LIMIT	**30 mph**



LEGEND

- SPEED LIMIT SIGN
- RADAR LOCATION
- 30 MPH SPEED ZONE

CITY OF REDDING PUBLIC WORKS DEPARTMENT

REDWOOD BLVD
ENGINEERING & TRAFFIC SURVEY
NORTHPOINT DRIVE TO CATERPILLAR ROAD

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