



City of Redding
Public Works Department
Traffic Operations

Engineering and Traffic Survey of Branstetter Lane

Survey Date: 4/21/2015
7-year Expiration: 4/21/2022

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 Branstetter Lane.

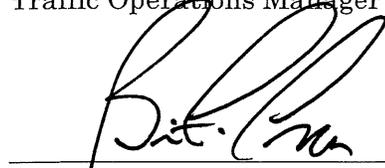
Based on the results of this E&TS and adoption of Ordinance Number 2548 by the City Council of the City of Redding, amending Redding Municipal Code Section 11.12.010, the following speed zone(s) on Branstetter Lane is / are established:

- 45 mph from Texas Spring Rd to 300 feet west of Branstetter Circle (west)
- 35 mph from 300 feet west of Branstetter Circle (west) to State Route 273

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.



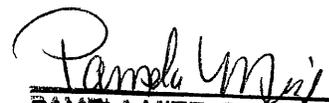
John C. Abshier, P.E. Date
Traffic Operations Manager



Brian Crane, P. E. Date
Director of Public Works



ATTEST:



PAMELA MIZE, City Clerk



Branstetter Lane

SPEED ZONE BOUNDARY	Texas Springs Road to 300 ft west of Branstetter Circle (west)	300 ft west of Branstetter Circle (west) to SR273
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ROADSIDE CONDITIONS

Land Use District	Business/Residential	Business/Residential
Pedestrian Use	Few	Moderate
Percent Sidewalks	5%	15%
Bike Lane or Bike Route	Yes	Yes
Driveways Present	Several	Numerous

ROADWAY GEOMETRY

Roadway Segment Length, Ft	4,280	3,030
Number of Thru Lanes	2	2
Width, Ft	22-26	26-42
Median Type	Double Yellow Stripe	Dble Yellow/Ctr Turn Lane
Horizontal Alignment	Curvilinear	Curvilinear
Vertical Alignment	On Grade	On Grade

TRAFFIC CONDITIONS

Average Daily Traffic (ADT)	840	1,391
Collisions in the Last 2 Years	1	7
Collision Rate	2.01 Coll/MVM	12.01 Coll/MVM
City-Wide Average Rate	1.86 Coll/MVM	1.86 Coll/MVM
10 mph Pace Range, mph	40-50	30-40
Vehicles Within Pace, %	64%	72%
Median Speed (50%), mph	42	35
Existing Posted Speed, mph	40	35, 40
Prevailing Speed (85%), mph	48	39
Nearest 5-mph Increment, mph	50	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	-	Yes
Safety of Pedestrians	-	Yes
Safety of Cyclists	-	Yes
Residential Density	-	Yes
5-mph Reduction Recommended	No	Yes

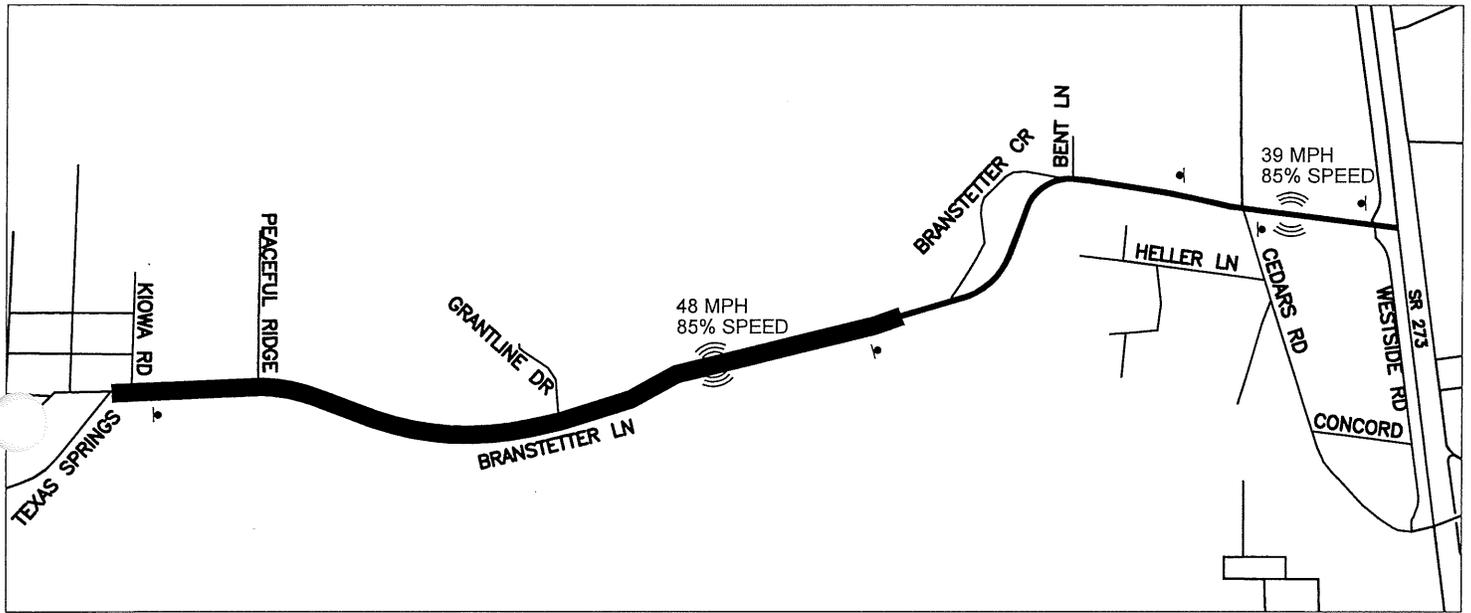
ROUNDING DOWN OPTION per CVC 21400 (b)

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	Yes	No
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RECOMMENDATION

POST SPEED LIMIT	45 mph	35 mph
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LEGEND

- ◄ SPEED LIMIT SIGN
- (()) RADAR LOCATION
- 35 MPH SPEED ZONE
- 45 MPH SPEED ZONE

CITY OF REDDING PUBLIC WORKS DEPARTMENT

BRANSTETTER LANE ENGINEERING & TRAFFIC SURVEY

Texas Springs Rd to SR273

