



City of Redding
Public Works Department
Traffic Operations

Engineering and Traffic Survey of Benton Drive

Survey Date: 3/24/2015
7-year Expiration: 3/24/2022

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 Benton Drive.

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 Benton Drive is / are established:

- 35 mph from Riverside Drive to N Market Street

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



Benton Drive

SPEED ZONE BOUNDARY	Riverside Drive to Quartz Hill Road	Quartz Hill Road to River Park Drive	River Park Drive to N Market Street
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ROADSIDE CONDITIONS

Land Use District	Business	Business/Residential	Residential
Pedestrian Use	Numerous	Moderate	Few
Percent Sidewalks	50%	50%	40%
Bike Lane or Bike Route	Yes	Yes	Yes
Driveways Present	Few	Few	Several

ROADWAY GEOMETRY

Roadway Segment Length, Ft	2,470	1,085	4,203
Number of Thru Lanes	2	2	2
Width, Ft	42	32	20 - 40
Median Type	Dble Yellow/Ctr Turn Lane	Double Yellow Stripe	Double Yellow Stripe
Horizontal Alignment	Gradual Curves	Gradual Curves	Straight
Vertical Alignment	Vertical Curves	Vertical Curves	On Grade

TRAFFIC CONDITIONS

Average Daily Traffic (ADT)	13,538	7,525	7,700
Collisions in the Last 2 Years	4	7	8
Collision Rate	0.4 Coll/MV	1.27 Coll/MV	1.79 Coll/MVM
City-Wide Average Rate	1.64 Coll/MV	1.64 Coll/MV	1.86 Coll/MVM
10 mph Pace Range , mph	31-41	31-41	33-43
Vehicles Within Pace, %	81%	89%	79%
Median Speed (50%) , mph	37	35	37
Existing Posted Speed, mph	30	35	35
Prevailing Speed (85%) , mph	40	39	42
Nearest 5-mph Increment, mph	40	40	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	Yes	Yes
Safety of Cyclists	Yes	Yes	Yes
Residential Density	-	-	Yes
5-mph Reduction Recommended	Yes	Yes	Yes

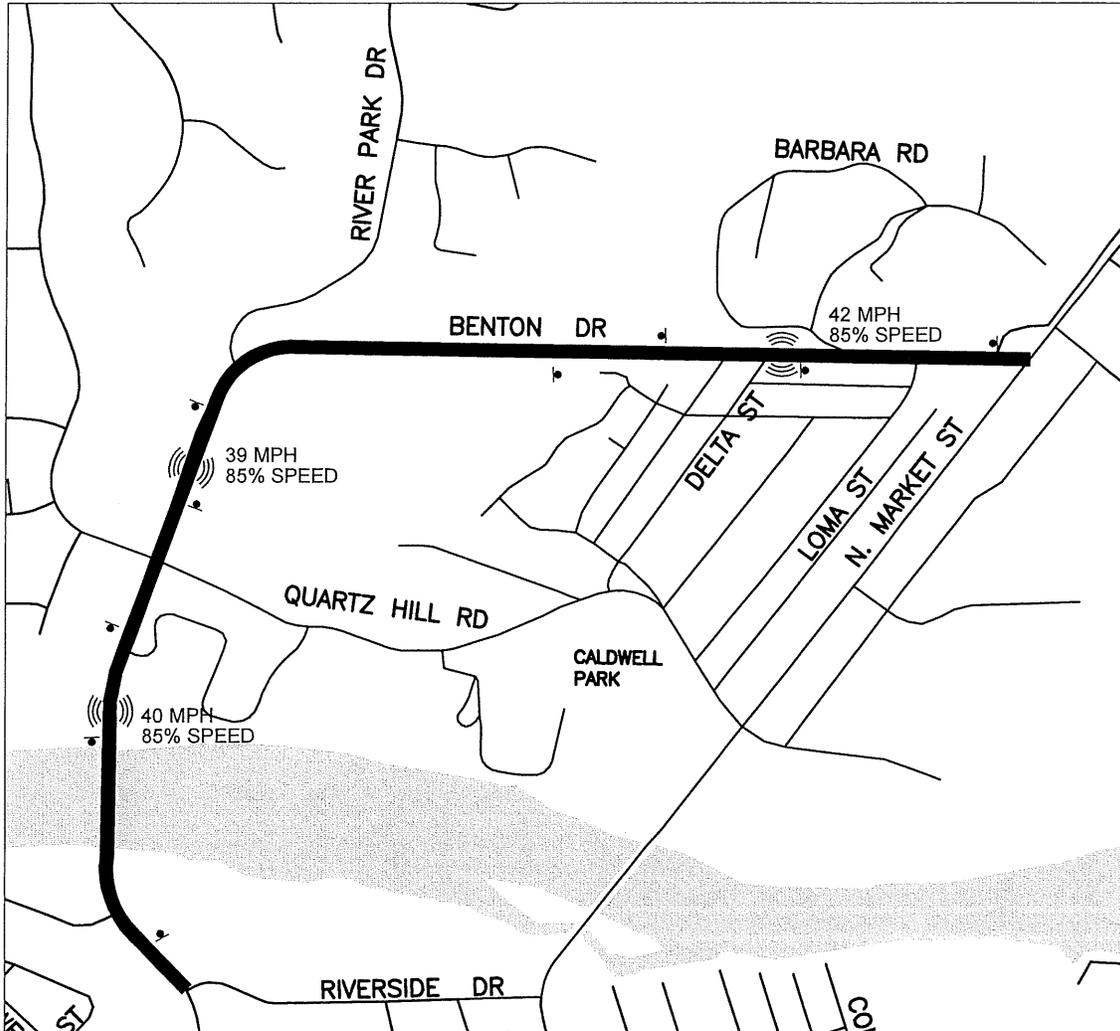
ROUNDING DOWN OPTION per CVC 21400 (b)

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	No	No
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RECOMMENDATION

POST SPEED LIMIT	35 mph	35 mph	35 mph
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LEGEND

- ◡ SPEED LIMIT SIGN
- (()) RADAR LOCATION
- █ 35 MPH SPEED ZONE

CITY OF REDDING PUBLIC WORKS DEPARTMENT

BENTON DRIVE
ENGINEERING & TRAFFIC SURVEY
 Riverside Drive to N Market Street

