



City of Redding  
Public Works Department  
Traffic Operations

## Engineering and Traffic Survey of Buenaventura Blvd

Survey Date: 4/22/2015  
7-year Expiration: 4/22/2022

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 Buenaventura 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 Buenaventura Blvd is / are established:

- 45 mph from State Route 273 to Eureka Way

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



## Buenaventura Blvd

<b>SPEED ZONE BOUNDARY</b>	SR 273 to Canyon Creek Rd	Canyon Creek Rd to Starlight Blvd	Starlight Blvd to Placer Rd	Placer Rd to Eureka Way
----------------------------	---------------------------------	---	-----------------------------------	-------------------------------

### ROADSIDE CONDITIONS

Land Use District	Business	Business/Residential	Rural Business	Business/Residential
Pedestrian Use	Moderate	Moderate	Few	Moderate
Percent Sidewalks	50%	0%	5%	50%
Bike Lane or Bike Route	Yes	Yes	Yes	Yes
Driveways Present	Several	Few	Few	Few

### ROADWAY GEOMETRY

Roadway Segment Length, Ft	3,230	4,694	3,842	4,359
Number of Thru Lanes	2 - 4	2	2	2 - 4
Width, Ft	38-75	34-60	34-72	32-74
Median Type	Concr Island/Turn Lane	Dble Yellow/Ctr Turn Lane	Dble Yellow/Ctr Turn Lane	Dble Yellow/Ctr Turn Lane
Horizontal Alignment	Curvilinear	Curvilinear	Curvilinear	Gradual Curves
Vertical Alignment	Vertical Curves	Vertical Curves	Vertical Curves	Vertical Curves

### TRAFFIC CONDITIONS

Average Daily Traffic (ADT)	10,980	9,031	9,852	10,665
Collisions in the Last 2 Years	9	5	8	10
Collision Rate	1.84 Coll/MVM	0.85 Coll/MVM	1.53 Coll/MVM	1.56 Coll/MVM
City-Wide Average Rate	1.86 Coll/MVM	1.86 Coll/MVM	1.86 Coll/MVM	1.86 Coll/MVM
10 mph Pace Range, mph	40-50	43-53	44-54	42-52
Vehicles Within Pace, %	71%	74%	83%	70%
Median Speed (50%), mph	44	46	48	47
Existing Posted Speed, mph	45	45	45	45
Prevailing Speed (85%), mph	51	51	52	52
Nearest 5-mph Increment, mph	50	50	50	50

### 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	Yes
Safety of Cyclists	Yes	Yes	Yes	Yes
Residential Density	-	-	-	-
5-mph Reduction Recommended	Yes	Yes	Yes	Yes

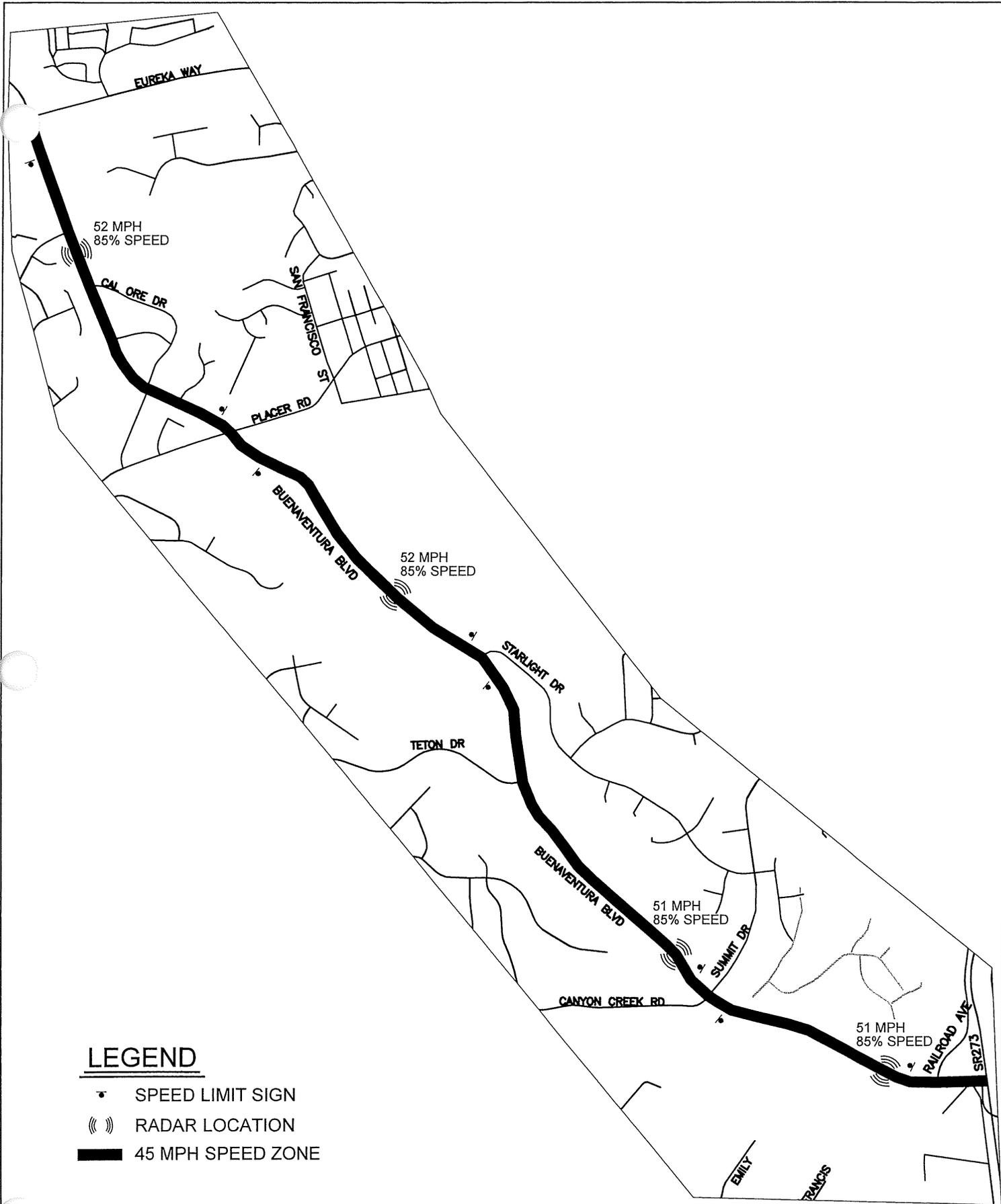
### ROUNDING DOWN OPTION per CVC 21400 (b)

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	No
---------------------------	----	----	----	----

### RECOMMENDATION

POST SPEED LIMIT	45 mph	45 mph	45 mph	45 mph
------------------	--------	--------	--------	--------



### LEGEND

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

CITY OF REDDING PUBLIC WORKS DEPARTMENT

# BUENAVENTURA BLVD

## ENGINEERING & TRAFFIC SURVEY

SR273 to Eureka Way

