



City of Redding
 Public Works Department
 Traffic Operations

Engineering and Traffic Survey of East Street

Survey Date: 4/14/2016
 7-year Expiration: 4/14/2023

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 East Street.

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 East Street is / are established:

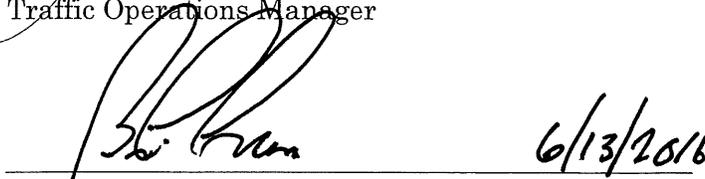
- 30 mph from Pine Street to South Street
- 25 mph from South Street to Trinity Street

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



East Street

SPEED ZONE BOUNDARY	Pine St to South St	South St to Trinity St
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ROADSIDE CONDITIONS

Land Use District	Business/Residential	Business/Residential
Pedestrian Use	Numerous	Numerous
Percent Sidewalks	85%	100%
Bike Lane or Bike Route	Yes	Yes
Driveways Present	Numerous	Numerous

ROADWAY GEOMETRY

Roadway Segment Length, Ft	1,525	3,000
Number of Thru Lanes	2	2 - 4
Width, Ft	56	56
Median Type	Dble Yellow/Ctr Turn Lane Dble Yellow/Ctr Turn Lane	
Horizontal Alignment	Curvilinear	Straight
Vertical Alignment	Vertical Curves	Flat

TRAFFIC CONDITIONS

Average Daily Traffic (ADT)	6,537	9,072
Collisions in the Last 2 Years	5	47
Collision Rate	1.05 Coll/MV	12.49 Coll/MVM
City-Wide Average Rate	1.64 Coll/MV	1.86 Coll/MVM
10 mph Pace Range, mph	28-38	24-34
Vehicles Within Pace, %	84%	93%
Median Speed (50%), mph	32	28
Existing Posted Speed, mph	30	30
Prevailing Speed (85%), mph	36	31
Nearest 5-mph Increment, mph	35	30

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

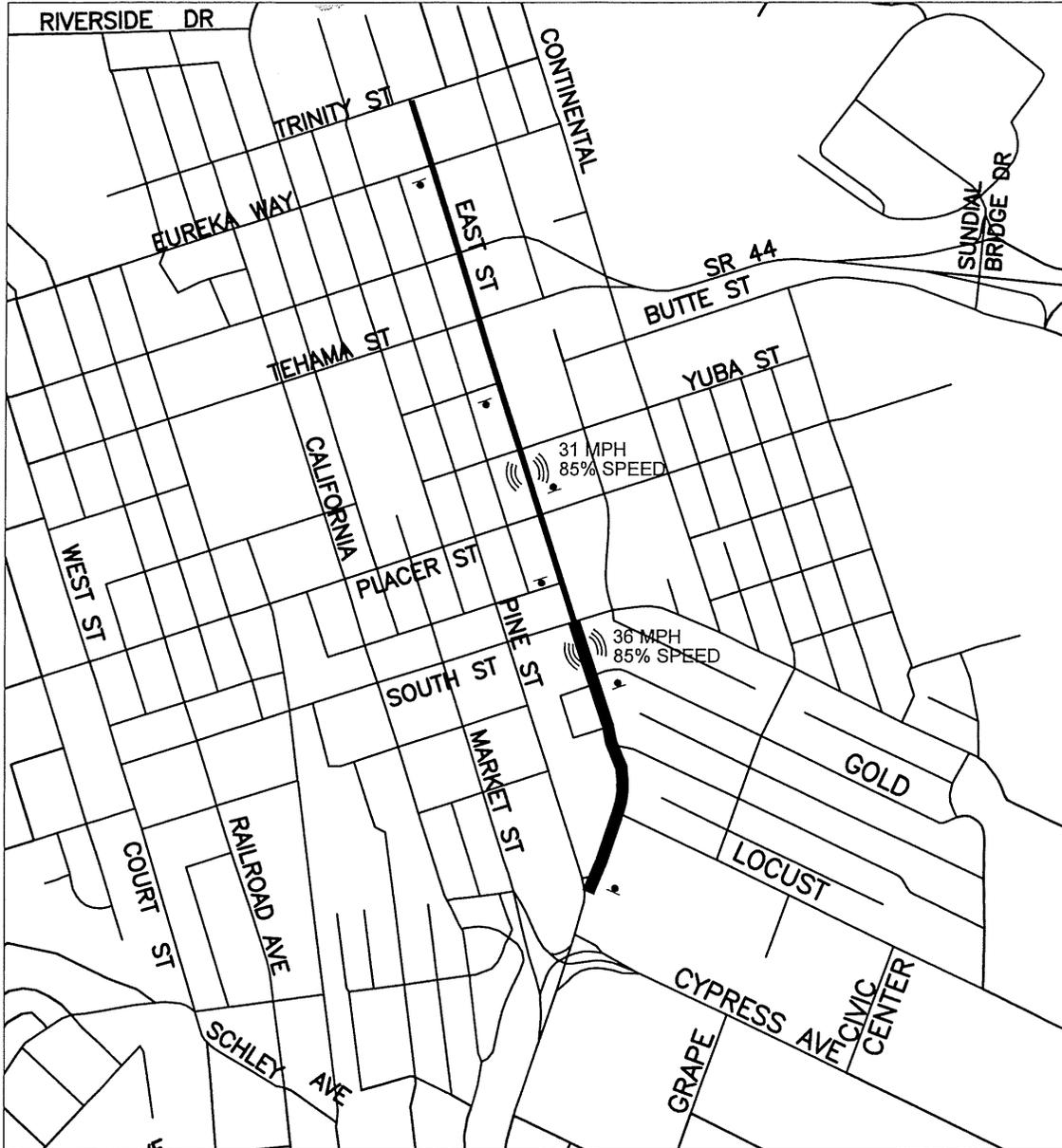
ROUNDING DOWN OPTION per CVC 21400 (b)

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
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RECOMMENDATION

POST SPEED LIMIT	30 mph	25 mph
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LEGEND

- SPEED LIMIT SIGN
- (()) RADAR LOCATION
- 25 MPH SPEED ZONE
- 30 MPH SPEED ZONE

CITY OF REDDING PUBLIC WORKS DEPARTMENT

**EAST STREET
ENGINEERING & TRAFFIC SURVEY
PINE ST TO TRINITY ST**

