



City of Redding
 Public Works Department
 Traffic Operations

Engineering and Traffic Survey of Athens Ave

Survey Date: 4/1/2015
 7-year Expiration: 4/1/2022

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 Athens Ave.

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 Athens Ave is / are established:

- 30 mph from Cypress Ave to South 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



Athens Ave

SPEED ZONE BOUNDARY	Cypress Ave to South Street
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ROADSIDE CONDITIONS

Land Use District	Business
Pedestrian Use	Numerous
Percent Sidewalks	75%
Bike Lane or Bike Route	No
Driveways Present	Numerous

ROADWAY GEOMETRY

Roadway Segment Length, Ft	2,020
Number of Thru Lanes	2
Width, Ft	38
Median Type	Center Turn Lane
Horizontal Alignment	Straight
Vertical Alignment	Vertical Curves

TRAFFIC CONDITIONS

Average Daily Traffic (ADT)	5,117
Collisions in the Last 2 Years	7
Collision Rate	1.87 Coll/MV
City-Wide Average Rate	1.64 Coll/MV
10 mph Pace Range, mph	27-37
Vehicles Within Pace, %	85%
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	-
Safety of Pedestrians	-
Safety of Cyclists	-
Residential Density	-
5-mph Reduction Recommended	No

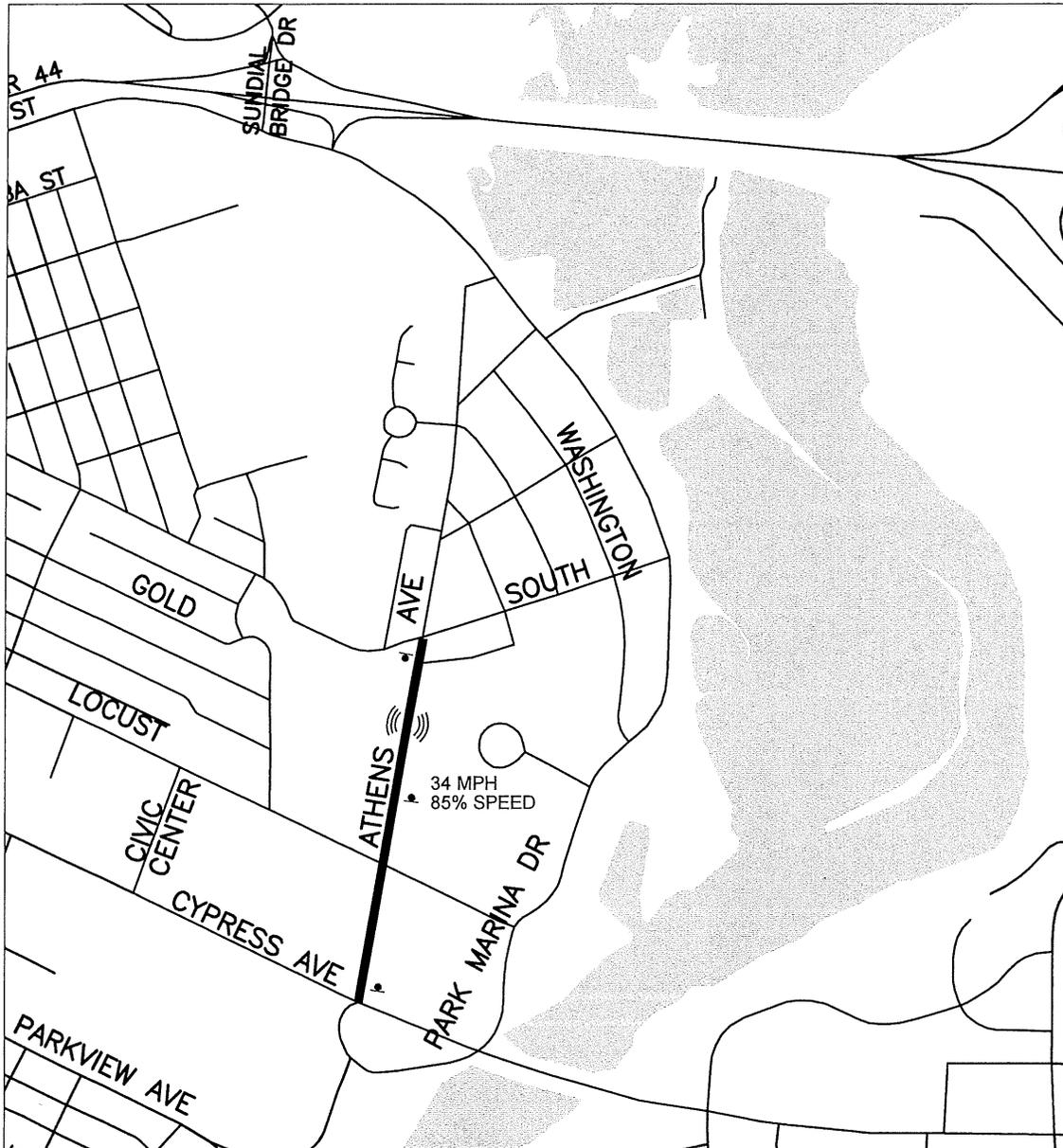
ROUNDING DOWN OPTION per CVC 21400 (b)

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
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RECOMMENDATION

POST SPEED LIMIT	30 mph
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LEGEND

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

CITY OF REDDING PUBLIC WORKS DEPARTMENT

**ATHENS AVE
ENGINEERING & TRAFFIC SURVEY**

Cypress Ave to South Street

