



City of Redding
Public Works Department
Traffic Operations

Engineering and Traffic Survey of Park Marina Drive

Survey Date: 3/27/2015
7-year Expiration: 3/27/2022

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 Park Marina 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 Park Marina Drive is / are established:

- 35 mph from Parkview Avenue to Washington Avenue
- 40 mph from Washington Avenue to Sundial Bridge Drive

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



Park Marina Drive

SPEED ZONE BOUNDARY	Parkview Ave to Washington Ave	Washington Ave to Sundial Bridge Drive
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ROADSIDE CONDITIONS

Land Use District	Business	Business/Residential
Pedestrian Use	Numerous	Numerous
Percent Sidewalks	100%	25%
Bike Lane or Bike Route	Yes	Yes
Driveways Present	Numerous	Numerous

ROADWAY GEOMETRY

Roadway Segment Length, Ft	1,511	5,666
Number of Thru Lanes	2	4
Width, Ft	62	65
Median Type	Concr Island/Turn Lane	Dble Yellow/Ctr Turn Lane
Horizontal Alignment	Curvilinear	Curvilinear
Vertical Alignment	Vertical Curves	Flat

TRAFFIC CONDITIONS

Average Daily Traffic (ADT)	8,948	9,940
Collisions in the Last 2 Years	5	10
Collision Rate	0.77 Coll/MV	1.28 Coll/MVM
City-Wide Average Rate	1.64 Coll/MV	1.86 Coll/MVM
10 mph Pace Range , mph	30-40	34-44
Vehicles Within Pace, %	81%	83%
Median Speed (50%) , mph	35	39
Existing Posted Speed, mph	35	35
Prevailing Speed (85%) , mph	39	43
Nearest 5-mph Increment, mph	40	45

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	Yes	Yes
Residential Density	-	Yes
5-mph Reduction Recommended	No	No

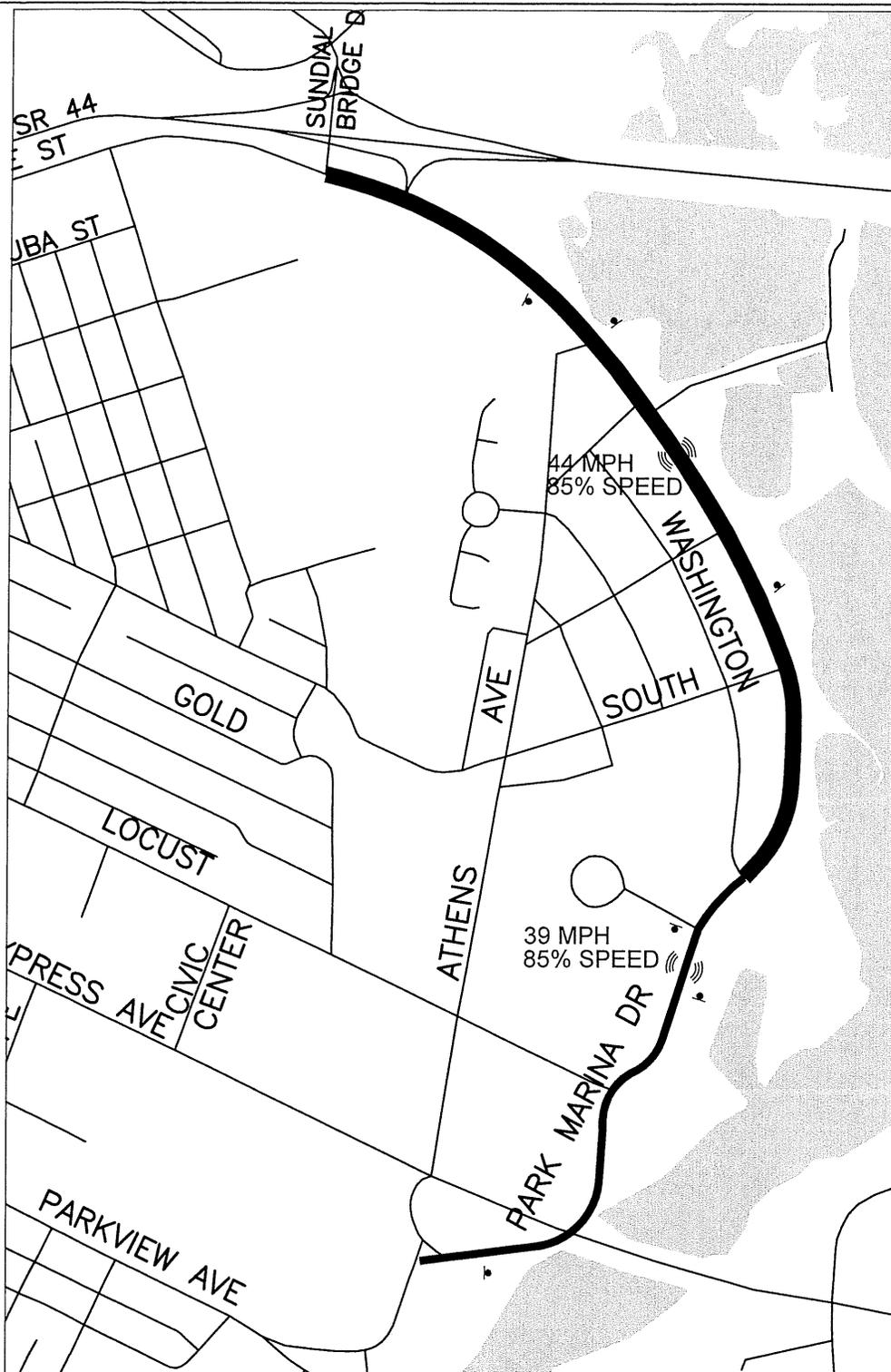
ROUNDING DOWN OPTION per CVC 21400 (b)

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	Yes
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RECOMMENDATION

POST SPEED LIMIT	35 mph	40 mph
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LEGEND

- ▼ SPEED LIMIT SIGN
- (()) RADAR LOCATION
- 35 MPH SPEED ZONE
- 40 MPH SPEED ZONE

CITY OF REDDING PUBLIC WORKS DEPARTMENT

**PARK MARINA DRIVE
ENGINEERING & TRAFFIC SURVEY
PARKVIEW AVE TO SUNDIAL BRIDGE DRIVE**

