City of Redding
Public Works Department
Traffic Operations

Engineering and Traffic Survey of Goodwater Avenue

Survey Date:	12/17/2013
7-year Expiration:	12/17/2020

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 Goodwater Avenue.

Based on the results of this E&TS and adoption of Ordinance Number 2465 by the City Council of the City of Redding, amending Redding Municipal Code Section 11.12.010, the following speed zone on Goodwater Avenue is established:

- 30 mph from Rancho Road to 250 feet south of Madison River 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.

REGISTERED PROFESSIONAL ENGINEER JOHN C. ABSHIER No. C63895 CIVIL STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER JOHN C. ABSHIER TR 2251 TRAFFIC STATE OF CALIFORNIA

1-2-14
John C. Abshier, P.E. Date
Traffic Operations Manager

2/26/14
Brian Crane, P. E. Date
Director of Public Works

ATTEST:

PAMELA MIZE, City Clerk

City of Redding
Public Works Department
Traffic Operations

Engineering & Traffic Survey

Goodwater Avenue

SPEED ZONE BOUNDARY	Rancho Road to 250 feet south of Madison River Drive

ROADSIDE CONDITIONS

Land Use District	Residential
Pedestrian Use	Several
Percent Sidewalks	50%
Bike Lane or Bike Route	No
Driveways Present	Few

ROADWAY GEOMETRY

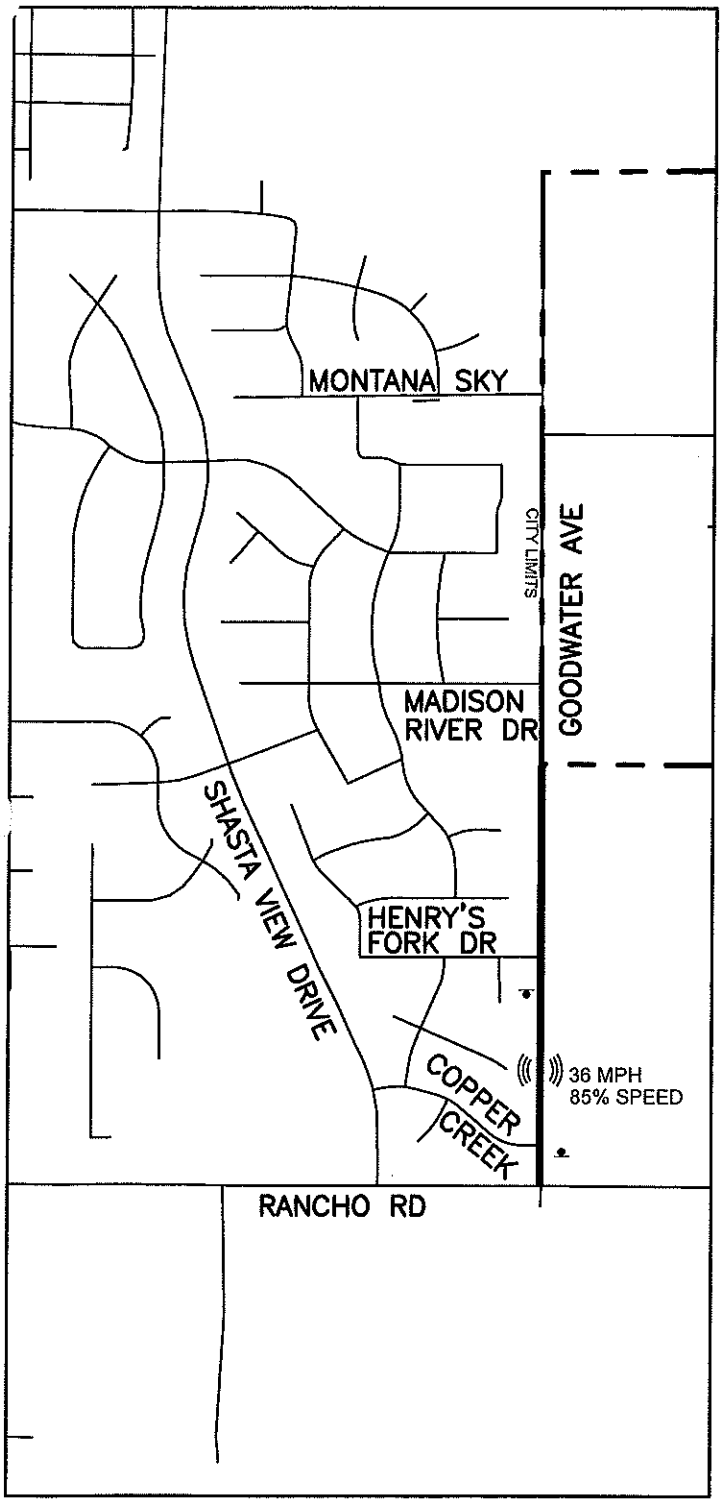
Roadway Segment Length, Ft	2,580
Number of Thru Lanes	2 (1 NB, 1 SB)
Width, Ft	30
Median Type	None
Horizontal Alignment	Straight
Vertical Alignment	Flat

TRAFFIC CONDITIONS

Average Daily Traffic (ADT)	869
Collisions in the Last 2 Years	0
Collision Rate, per Million Vehicles	0.00
City-Wide Average Rate, Per/MV	1.92
10 mph Pace Range , mph	27 - 37
Vehicles Within Pace, %	86
Median Speed (50%) , mph	32
Existing Posted Speed, mph	30
Prevailing Speed (85%) , mph	36
Nearest 5-mph Increment, mph	35
5-mph Reduction Recommended	Yes

RECOMMENDATION

POST SPEED LIMIT	**30 mph**
Conditions Justifying 5-mph Reduction Below the Nearest 5-mph Increment of the Prevailing Speed (85%)	The presence of pedestrians and cyclists has been observed. A 5-mph reduction is justified.



LEGEND

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

CITY OF REDDING PUBLIC WORKS DEPARTMENT

GOODWATER AVE
ENGINEERING & TRAFFIC SURVEY
RANCHO RD TO 250' SOUTH OF MADISON RIVER

Studies\Engineering and Traffic Survey\Volume 3 2014\speed zone maps\2010 Base Speed Survey.dwg, 1/7/ 10:28 PM