




**CITY OF REDDING
CERTIFIED EXTENSION
OF
ENGINEERING AND TRAFFIC SURVEY
FOR
PLACER STREET**

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 (ETS) was initiated to verify or modify speed zones on Placer Street.

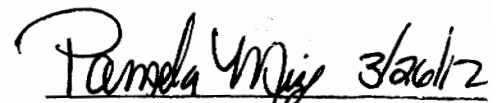
Based on the results of this ETS (attached) and adoption of Ordinance Number 2465 by the City Council of the City of Redding, amending Redding Municipal Code Section 11.12.010, a speed zone on Placer Street of 35 MPH from Court Street to Buenaventura Boulevard is established, and a speed zone of 45 MPH from Buenaventura Boulevard to the western City Limits is established.

This ETS was reviewed by a Registered Engineer and no significant changes in roadway or traffic conditions have occurred, including, but not limited to, changes in adjoining property or land use, roadway width, or traffic volume since the original study date of preparation and is found to be in compliance with CVC 40802, valid until March 31, 2014.

 3/26/2012

Brian Crane, P. E.

Director of Public Works ATTEST:

 3/26/12

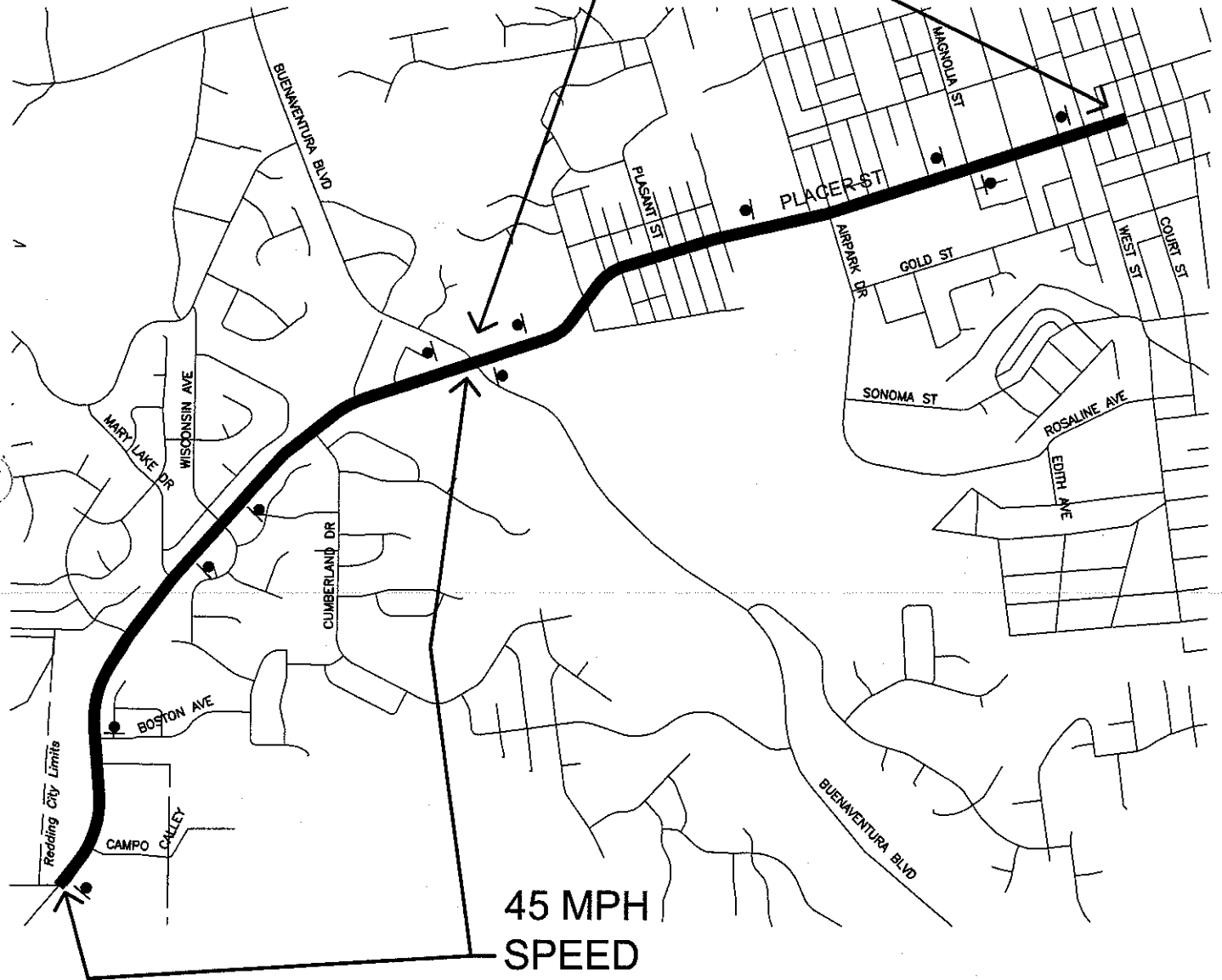
PAMELA MIZE, City Clerk

**PLACER STREET
MARCH 2004
CONDITION SUMMARY**

LOCATION	FROM COURT	AIRPARK	BUENAVENTURA
TO	AIRPARK	BUENAVENTURA	CITY LIMITS
NO. OF LANES	4	2	2
WIDTH	56	VARIES	VARIES
ROADWAY LENGTH	1.38 MI.	4500'	3140'
HORIZONTAL ALIGNMENT	STRAIGHT	STRAIGHT	GENTLE CURVES
VERTICAL	INCLINE	DIP	FLAT
DISTRICT	RESIDENTIAL / BUSINESS	RESIDENTIAL	RESIDENTIAL
ADT	17,060	16,000	11,800
PEDESTRIANS	NUMEROUS	FEW	FEW
SIDEWALKS	YES	65%	50%
DRIVEWAYS	NUMEROUS	FEW	FEW
SPEED RELATED ACCIDENTS	SIGNIFICANT	SIGNIFICANT	NOT SIGNIFICANT
EXISTING SPEED ZONE	35 MPH	35 MPH	45 MPH
BALL BANK SPEED	N/A	N/A	N/A
85TH% SPEED	40 MPH	40 MPH	48 MPH
SURVEY CONCLUSION			
REASONABLE SPEED	35 MPH	35 MPH	45 MPH
ACTION			
CITY COUNCIL APPROVED	CITY ORDINANCE 2011	CITY ORDINANCE 2011	CITY ORDINANCE 2011
SIGNS POSTED	6/1/77	12/1/74	6/1/89

ADDITIONAL COMMENTS:

35 MPH
SPEED
ZONE



45 MPH
SPEED
ZONE

LEGEND

● SPEED LIMIT SIGN

CITY OF REDDING MUNICIPAL UTILITIES TRAFFIC OPERATIONS



PLACER ST SPEED STUDY
COURT ST TO WEST CITY LIMITS



PLACER ST W/ WISCONSIN

Day Friday

Date: 07/11/2003

Time: 10:00 - 11:00

Observer: Lori Lackey

Calcs: Frank Hogue

Posted Speed: 45

Weather: Clear

Critical Speed :	<u>48</u>	<u>mph</u>
Average Speed :	<u>44.3</u>	<u>mph</u>
Median Speed :	<u>44</u>	<u>mph</u>
Standard Deviation:	<u>4.1</u>	<u>mph</u>
Pace Range :	<u>40 - 50</u>	<u>mph</u>
Percent in Pace :	<u>80.0%</u>	
Total # Vehicles :	<u>110</u>	

Critical Speed :	<u>50</u>	<u>mph</u>
Average Speed :	<u>46.6</u>	<u>mph</u>
Median Speed :	<u>46</u>	<u>mph</u>
Standard Deviation:	<u>3.5</u>	<u>mph</u>
Pace Range :	<u>42 - 52</u>	<u>mph</u>
Percent in Pace :	<u>90.9%</u>	
Total # Vehicles :	<u>66</u>	

MPH	# of Veh.	Eastbound	%
85			100.0%
84			100.0%
83			100.0%
82			100.0%
81			100.0%
80			100.0%
79			100.0%
78			100.0%
77			100.0%
76			100.0%
75			100.0%
74			100.0%
73			100.0%
72			100.0%
71			100.0%
70			100.0%
69			100.0%
68			100.0%
67			100.0%
66			100.0%
65			100.0%
64			100.0%
63			100.0%
62			100.0%
61			100.0%
60			100.0%
59			100.0%
58	1	◆	100.0%
57			99.1%
56			99.1%
55			99.1%
54	2	◆◆	99.1%
53			97.3%
52	1	◆	97.3%
51			96.4%
50	10	◆◆◆◆◆◆◆◆◆◆	96.4%
49			87.3%
48	11	◆◆◆◆◆◆◆◆◆◆◆◆	87.3%
47			77.3%
46	21	◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆	77.3%
45			58.2%
44	22	◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆	58.2%
43			38.2%
42	19	◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆	38.2%
41			20.9%
40	15	◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆	20.9%
39			7.3%
38	4	◆◆◆◆	7.3%
37			3.6%
36	2	◆◆	3.6%
35			1.8%
34	2	◆◆	1.8%
33			0.0%
32			0.0%
31			0.0%
30			0.0%
29			0.0%
28			0.0%
27			0.0%
26			0.0%
25			0.0%
24			0.0%
23			0.0%
22			0.0%
21			0.0%
20			0.0%

MPH	No of Veh.	Westbound	%
85			100.0%
84			100.0%
83			100.0%
82			100.0%
81			100.0%
80			100.0%
79			100.0%
78			100.0%
77			100.0%
76			100.0%
75			100.0%
74			100.0%
73			100.0%
72			100.0%
71			100.0%
70			100.0%
69			100.0%
68			100.0%
67			100.0%
66			100.0%
65			100.0%
64			100.0%
63			100.0%
62			100.0%
61			100.0%
60			100.0%
59			100.0%
58	1	◆	100.0%
57	1	◆	98.5%
56	1	◆	98.5%
55			97.0%
54	1	◆	97.0%
53			95.5%
52	2	◆◆	95.5%
51			92.4%
50	11	◆◆◆◆◆◆◆◆◆◆◆◆	92.4%
49			75.8%
48	10	◆◆◆◆◆◆◆◆◆◆◆◆	75.8%
47			60.6%
46	19	◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆	60.6%
45			31.8%
44	11	◆◆◆◆◆◆◆◆◆◆◆◆	31.8%
43			15.2%
42	9	◆◆◆◆◆◆◆◆◆◆	15.2%
41			1.5%
40	1	◆	1.5%
39			0.0%
38			0.0%
37			0.0%
36			0.0%
35			0.0%
34			0.0%
33			0.0%
32			0.0%
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20			0.0%

