




**CITY OF REDDING
ENGINEERING AND TRAFFIC SURVEY
OF
MOUNTAIN LAKES BOULEVARD**

JULY 31, 2010

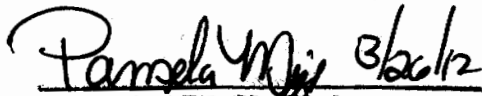
For the determination of safe and reasonable speed zoning as required by Sections 22358 and 40802 of the California Vehicle Code (CVC), as defined by Section 627 of the CVC and in accordance with Section 2B. 13 of the California Manual on Uniform Traffic Control Devices, this Engineering and Traffic Survey (ETS) was initiated to verify or modify speed zones on Mountain Lakes Boulevard.

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 Mountain Lakes Boulevard of 45 MPH from Beltline Road to George Drive is established.

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.


3/26/2012
Brian Crane, P. E.
Director of Public Works

ATTEST:


3/26/12
PAMELA MIZE, City Clerk

City of Redding
Mountain Lakes Boulevard
Engineering and Traffic Survey (ETS) for Speed Zoning

	Speed Zone Limits
	BELTLINE ROAD TO GEORGE DRIVE

ROADSIDE CONDITIONS

LAND USE DISTRICT	BUSINESS
PEDESTRIANS USE	FEW
PERCENT SIDEWALKS	100%
BIKE LANE or ROUTE	NO
DRIVEWAYS PRESENT	NUMEROUS

ROADWAY GEOMETRY

LENGTH OF ROADWAY SEGMENT (FEET)	5,250
NUMBER OF THRU LANES	2 (1 EB, 1 WB)
WIDTH (FEET)	48
MEDIAN TYPE	DBL YELLOW
HORIZONTAL ALIGNMENT	GENTLE CURVES
VISIBILITY	GOOD
VERTICAL ALIGNMENT	FLAT

OBSERVED TRAFFIC CONDITIONS

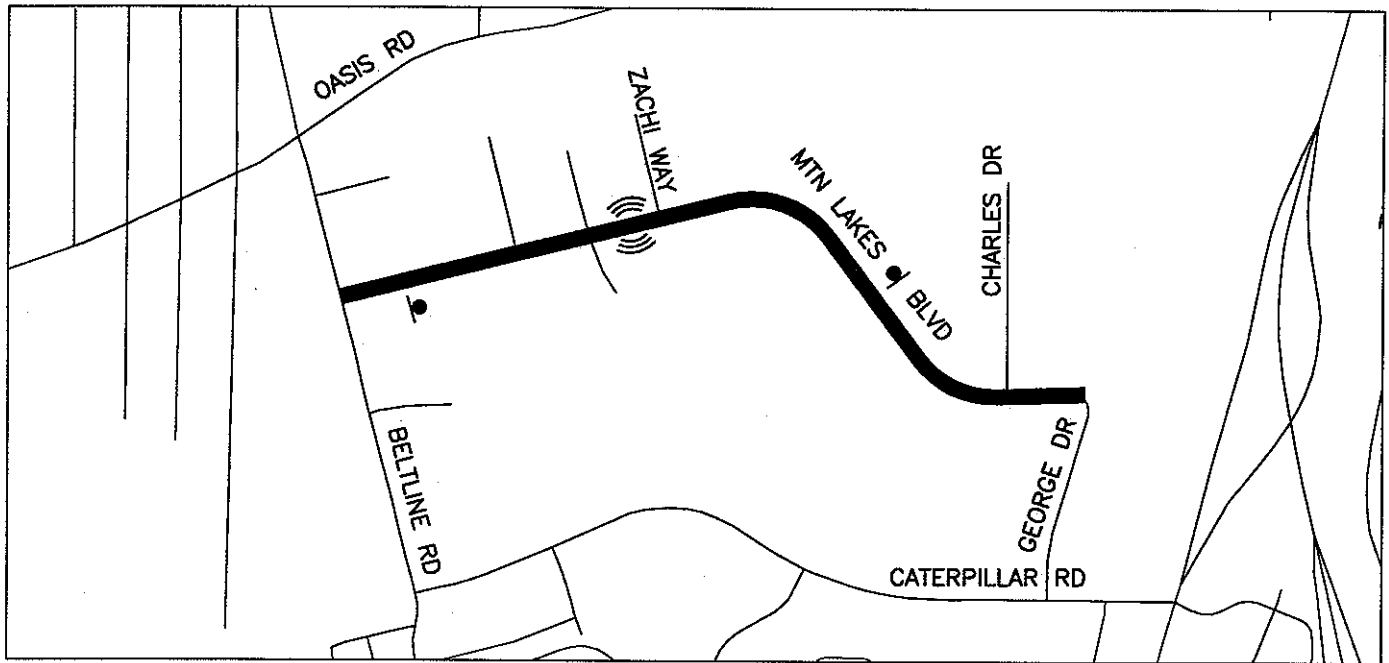
DATE OF RADAR SURVEY	November 10, 2009
AVERAGE DAILY TRAFFIC (ADT)	3,200
EXISTING POSTED SPEED	40 MPH
CRITICAL SPEED (85th PERCENTILE)	44 MPH
MEDIAN SPEED (50th PERCENTILE)	38 MPH
10 MPH PACE RANGE	31 - 41 MPH
TOTAL COLLISIONS IN 2 YEARS	1
COLLISIONS PER MILLION VEHICLE MILES (MVM)	0.43 PER MVM
ROUNDING APPLIED TO OBSERVED CRITICAL SPEED (85th PERCENTILE) PER GUIDANCE OF MUTCD SECTION 2B.13	45 MPH

RECOMMENDATION

POST SPEED LIMIT	45 MPH
JUSTIFICATION FOR ESTABLISHING SPEED LIMIT 5 MPH BELOW CRITICAL SPEED (85th PERCENTILE)	N/A




Gary Otremba 7/7/10
 REGISTERED CIVIL ENGINEER DATE





MPH		# of Veh.	Both Directions	%
56				100.0%
55	1	*		100.0%
54				99.0%
53				99.0%
52				98.0%
51				99.0%
50	1	*		99.0%
49	1	*		98.0%
48				97.1%
47	2	**		97.1%
46	2	**		96.1%
45	6	*****		93.1%
44	7	*****		87.3%
43	3	***		80.4%
42	2	**		77.6%
41	1	*		75.5%
40	14	*****		74.5%
39	1	*		60.6%
37	3	**		48.0%
36	8	*****		45.1%
35	6	*****		37.3%
34	6	*****		29.4%
33	1	*		23.5%
32	7	*****		22.5%
31	4	****		15.7%
30	4	****		11.8%
29	2	**		7.8%
28	3	**		5.9%
27				2.9%
26				2.9%
25	2	**		2.9%
24	1	*		1.0%
23				0.0%

LEGEND

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

CITY OF REDDING PUBLIC WORKS DEPARTMENT

MAY 2010

MTN LAKES BLVD SPEED STUDY
BELTLINE RD TO GEORGE DR

