



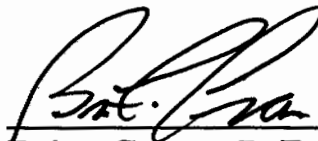
**CITY OF REDDING  
ENGINEERING AND TRAFFIC SURVEY  
OF  
AIRPORT ROAD**

**JULY 31, 2010**

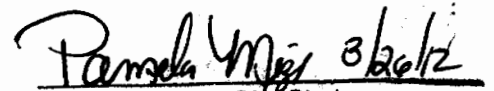
**For the determination of safe and reasonable speed zoning as required by Sections 22358 and 40802 of the California Vehicle Code (CVC), as defined by Section 627 of the CVC and in accordance with Section 2B. 13 of the California Manual on Uniform Traffic Control Devices, this Engineering and Traffic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

**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 Airport Road of 50 MPH from Fig Tree Lane to Hole-in-One 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**

<b>City of Redding</b> <b>Airport Road</b> <b>Engineering and Traffic Survey (ETS) for Speed Zoning</b>	
	<b>Speed Zone Limits</b>
	FIG TREE LN TO HOLE-IN-ONE DR

**ROADSIDE CONDITIONS**

LAND USE DISTRICT	BUSINESS
PEDESTRIANS USE	SELDOM
PERCENT SIDEWALKS	0%
BIKE LANE or ROUTE	NO
DRIVEWAYS PRESENT	SOME

**ROADWAY GEOMETRY**

LENGTH OF ROADWAY SEGMENT (FEET)	1,650
NUMBER OF THRU LANES	2 (1 NB, 1 SB)
WIDTH (FEET)	VARIES 24 - 40
MEDIAN TYPE	DBL YELLOW STRIPE
HORIZONTAL ALIGNMENT	GENTLE CURVES
VISIBILITY	GOOD
VERTICAL ALIGNMENT	FLAT

**OBSERVED TRAFFIC CONDITIONS**

DATE OF RADAR SURVEY	December 9, 2008
AVERAGE DAILY TRAFFIC (ADT)	8,900
EXISTING POSTED SPEED	NONE
CRITICAL SPEED (85th PERCENTILE)	51 MPH
MEDIAN SPEED (50th PERCENTILE)	47 MPH
10 MPH PACE RANGE	42 - 52 MPH
TOTAL COLLISIONS IN 2 YEARS	2
COLLISIONS PER MILLION VEHICLE MILES (MVM)	0.98 PER MVM
ROUNDING APPLIED TO OBSERVED CRITICAL SPEED (85th PERCENTILE) PER GUIDANCE OF MUTCD SECTION 2B.13	50 MPH

**RECOMMENDATION**

POST SPEED LIMIT	50 MPH
JUSTIFICATION FOR ESTABLISHING SPEED LIMIT 5 MPH BELOW CRITICAL SPEED (85th PERCENTILE)	N/A

*Mary Otremla*  
REGISTERED CIVIL ENGINEER

7/7/10  
DATE



