



City of Redding
Public Works Department
Traffic Operations

Engineering and Traffic Survey of Mistletoe Lane

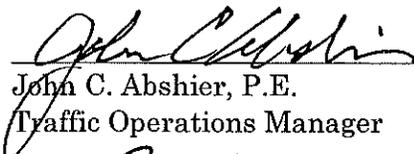
Survey Date: 12/17/2013
7-year Expiration: 12/17/2020

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 Mistletoe Lane.

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 Mistletoe Lane is established:

- 35 mph from Hilltop Drive to Victor Avenue

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.



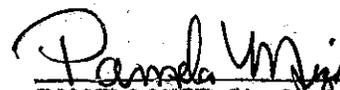
John C. Abshier, P.E.
Traffic Operations Manager
1-3-14
Date





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

ATTEST:



PAMELA MIZE, City Clerk



Mistletoe Lane

SPEED ZONE BOUNDARY	Hilltop Drive to Churn Creek Road	Churn Creek Road to Victor Avenue
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ROADSIDE CONDITIONS

Land Use District	Business	Business
Pedestrian Use	Few	Several
Percent Sidewalks	100%	60%
Bike Lane or Bike Route	No	Yes
Driveways Present	Numerous	Numerous

ROADWAY GEOMETRY

Roadway Segment Length, Ft	1,150	4,150
Number of Thru Lanes	4 (2 WB, 2 EB)	2 (1 WB, 1 EB)
Width, Ft	64	40
Median Type	Center Turn Lane	Double Yellow Stripe
Horizontal Alignment	Straight	Straight
Vertical Alignment	Flat	Flat

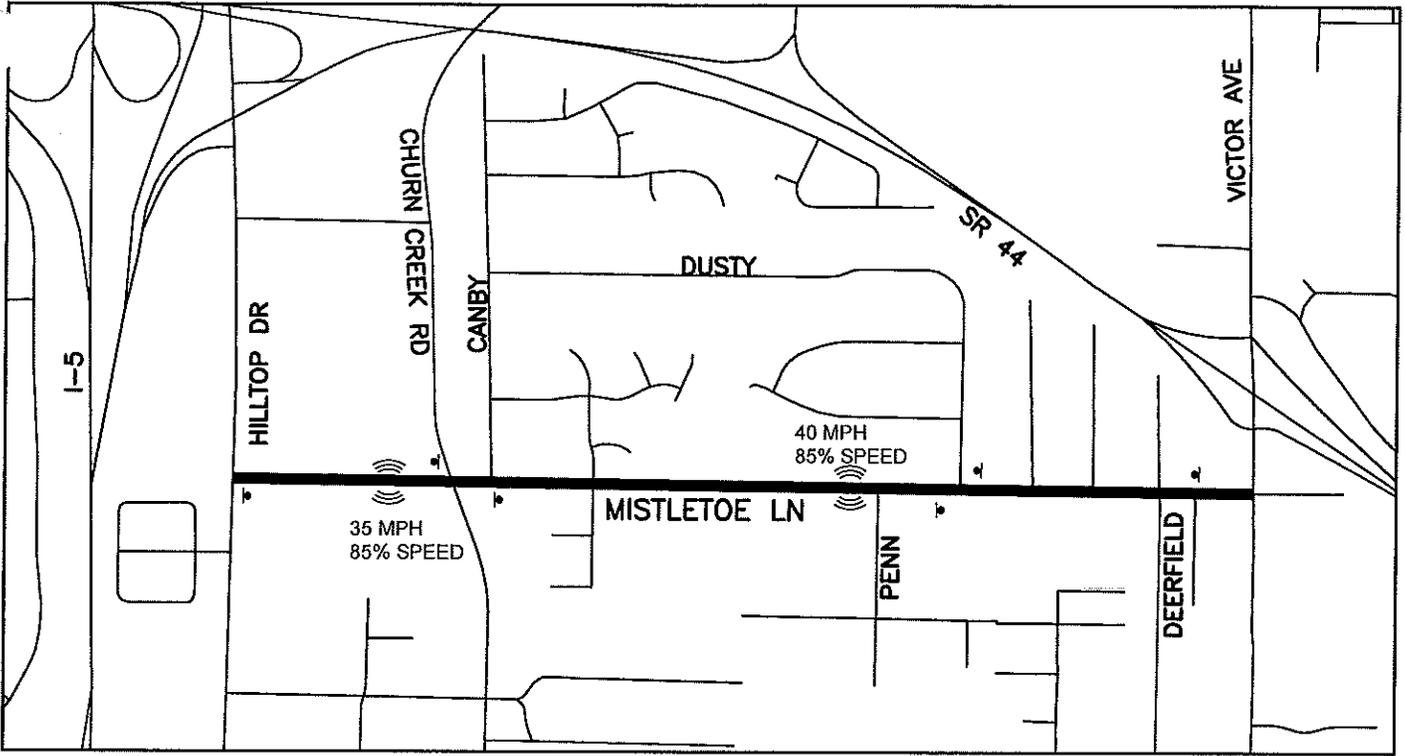
TRAFFIC CONDITIONS

Average Daily Traffic (ADT)	5,890	6,745
Collisions in the Last 2 Years	5	7
Collision Rate, per Million Vehicles	1.16	1.70 Coll/MVM
City-Wide Average Rate, Per/MV	1.92	2.21 Coll/MVM
10 mph Pace Range, mph	29 - 39	30 - 40
Vehicles Within Pace, %	80	73
Median Speed (50%), mph	32	34
Existing Posted Speed, mph	35	35
Prevailing Speed (85%), mph	36	40
Nearest 5-mph Increment, mph	35	40
5-mph Reduction Recommended	No	Yes

RECOMMENDATION

POST SPEED LIMIT	35 mph	35 mph
<p>Conditions Justifying 5-mph Reduction Below the Nearest 5-mph Increment of the Prevailing Speed (85%)</p>	<p>Frequent use by pedestrians and cyclists has been observed. This section has limited sidewalks and includes on-street Bike Lanes. A 5-mph reduction is justified.</p>	

ic Studies\engineering and traffic survey\Volume 3 2014\speed zone maps\2010 Base speed Survey.dwg, 1/2 3/08/22 PM



LEGEND

- ▴ SPEED LIMIT SIGN
- (()) RADAR LOCATION
- ▬ 35 MPH SPEED LIMIT ZONE

CITY OF REDDING PUBLIC WORKS DEPARTMENT

MISTLETOE LANE
ENGINEERING & TRAFFIC SURVEY
 HILLTOP DR TO VICTOR AVE

