



City of Redding  
Public Works Department  
Traffic Operations

## Engineering and Traffic Survey of Dana Drive

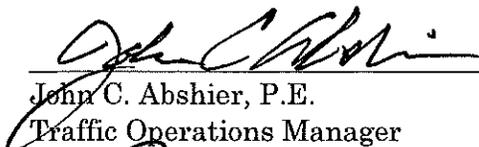
Survey Date: 12/16/2013  
7-year Expiration: 12/16/2020

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 Dana Drive.

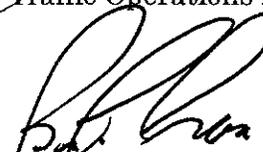
Based on the results of this E&TS and adoption of Ordinance Number 2465 by the City Council of the City of Redding, amending Redding Municipal Code Section 11.12.010, the following speed zones on Dana Drive are established:

- 30 mph from Hilltop Drive to Bradford Way
- 35 mph from Bradford Way 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.

 2-5-14  
 \_\_\_\_\_  
 John C. Abshier, P.E. Date  
 Traffic Operations Manager



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

ATTEST:

  
 \_\_\_\_\_  
 PAMELA MIZE, City Clerk



## Dana Drive

<b>SPEED ZONE BOUNDARY</b>	Hilltop Drive to Churn Creek Road	Churn Creek Road to Bradford Way	Bradford Way to Victor Avenue
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### ROADSIDE CONDITIONS

Land Use District	Business	Business	Residential
Pedestrian Use	Several	Several	Several
Percent Sidewalks	100%	100%	80%
Bike Lane or Bike Route	No	No	No
Driveways Present	Several	Several	Several

### ROADWAY GEOMETRY

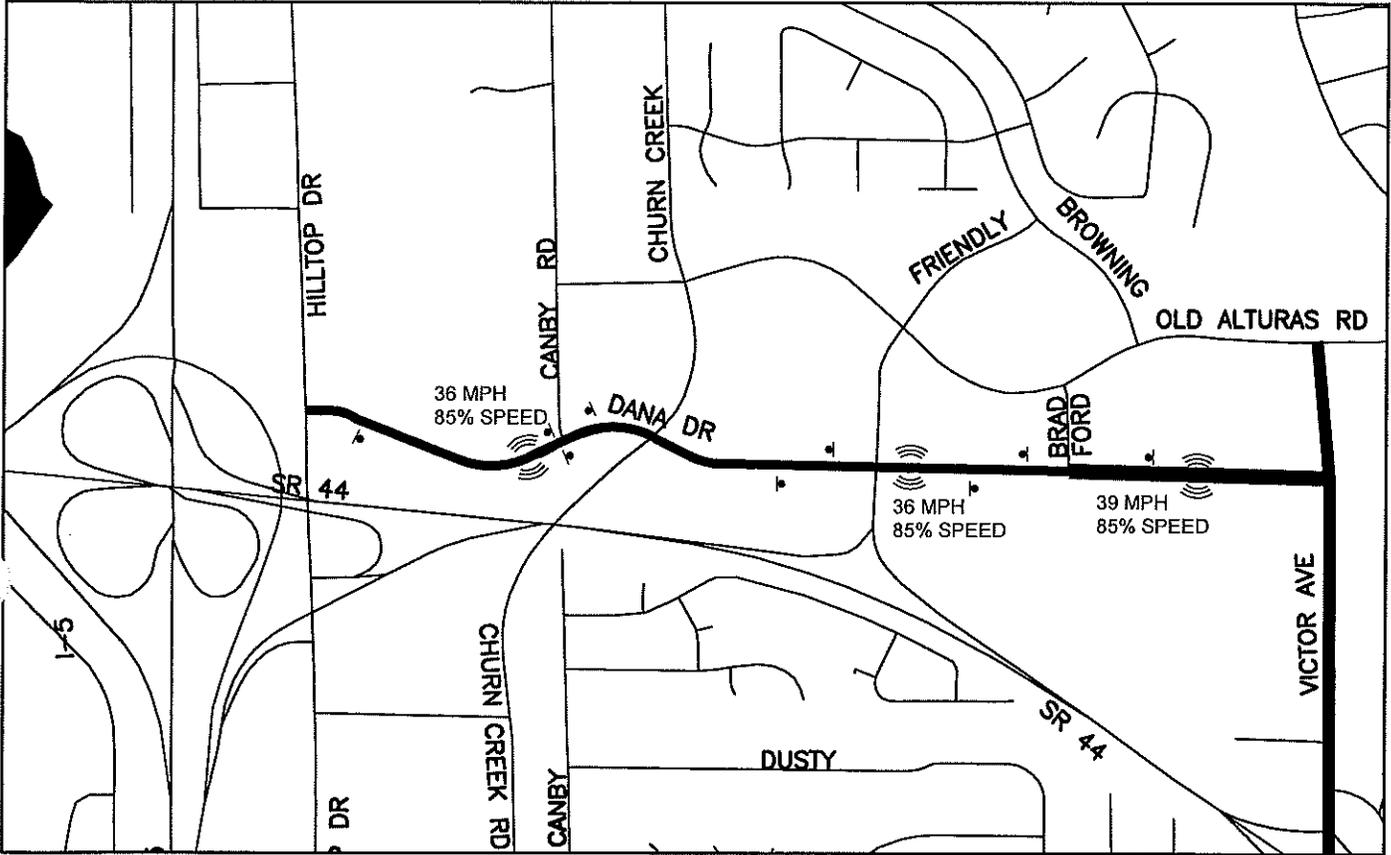
Roadway Segment Length, Ft	2,000	2,200	1,300
Number of Thru Lanes	6/5 (3/2 WB, 3 EB)	6/5 (3/2 WB, 3 EB)	4 (2 WB, 2 EB)
Width, Ft	64	64	64
Median Type	Center Turn Lane	Center Turn Lane / Concrete	Center Turn Lane
Horizontal Alignment	Gradual Curves	Straight	Straight
Vertical Alignment	Flat	Flat	Flat

### TRAFFIC CONDITIONS

Average Daily Traffic (ADT)	15,635	10,311	8,767
Collisions in the Last 2 Years	11	19	6
Collision Rate, per Million Vehicles	0.96	2.52	0.94
City-Wide Average Rate, Per/MV	1.92	1.92	1.92
10 mph Pace Range, mph	28 - 38	27 - 37	30 - 40
Vehicles Within Pace, %	89	85	85
Median Speed (50%), mph	33	32	35
Existing Posted Speed, mph	30	35	35
Prevailing Speed (85%), mph	36	36	39
Nearest 5-mph Increment, mph	35	35	40
5-mph Reduction Recommended	Yes	Yes	Yes

### RECOMMENDATION

<b>POST SPEED LIMIT</b>	<b>30 mph</b>	<b>30 mph</b>	<b>35 mph</b>
<p>Conditions Justifying 5-mph Reduction Below the Nearest 5-mph Increment of the Prevailing Speed (85%)</p>	<p>Use by pedestrians, including mid-block crossing in heavy traffic, has been observed. A 5-mph reduction is justified.</p>	<p>The collision rate and number of collisions indicate conditions may not be readily apparent to drivers. Use by pedestrians, including mid-block crossing in heavy traffic, has been observed. A 5-mph reduction is justified.</p>	<p>Use by pedestrians, including mid-block crossing in heavy traffic, has been observed. A 5-mph reduction is justified.</p>



**LEGEND**

- ▼ SPEED LIMIT SIGN
- ⦶ RADAR LOCATION
- 35 MPH SPEED LIMIT ZONE
- 30 MPH SPEED LIMIT ZONE

CITY OF REDDING PUBLIC WORKS DEPARTMENT

**DANA DRIVE  
ENGINEERING & TRAFFIC SURVEY  
HILLTOP DR TO VICTOR AVE**

