



City of Redding
Public Works Department
Traffic Operations

Engineering and Traffic Survey of Cypress Avenue

Survey Date: 7/21/2014
7-year Expiration: 7/21/2021

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 Cypress Avenue.

Based on the results of this E&TS and adoption of Ordinance Number 2517 by the City Council of the City of Redding, amending Redding Municipal Code Section 11.12.010, the following speed zones on Cypress Avenue are established:

- 40 mph from Pine Street to Hartnell Avenue
- 35 mph from Hartnell Avenue to Bechelli Lane
- 30 mph from Bechelli Lane to Churn Creek Road
- 35 mph from Churn Creek Road 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

Date

8/18/14



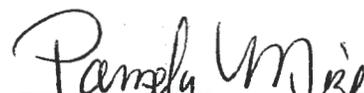
John C. Abshier, P. E.
Traffic Operations Manager

Brian Crane, P. E.
Director of Public Works

Date

8/18/2016

ATTEST:



 PAMELA MIZE, City Clerk



Cypress Avenue

SPEED ZONE BOUNDARY	Pine St to Hartnell Ave	Hartnell Ave to Bechelli Ln	Bechelli Ln to Churn Creek Rd	Churn Creek Rd to Victor Ave
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ROADSIDE CONDITIONS

Land Use District	Business	Business	Business	Business/Residential
Pedestrian Use	Numerous	Numerous	Numerous	Moderate
Percent Sidewalks	100%	100%	100%	50%
Bike Lane or Bike Route	Yes	Yes	Yes	Yes
Driveways Present	Several	Numerous	Numerous	Numerous

ROADWAY GEOMETRY

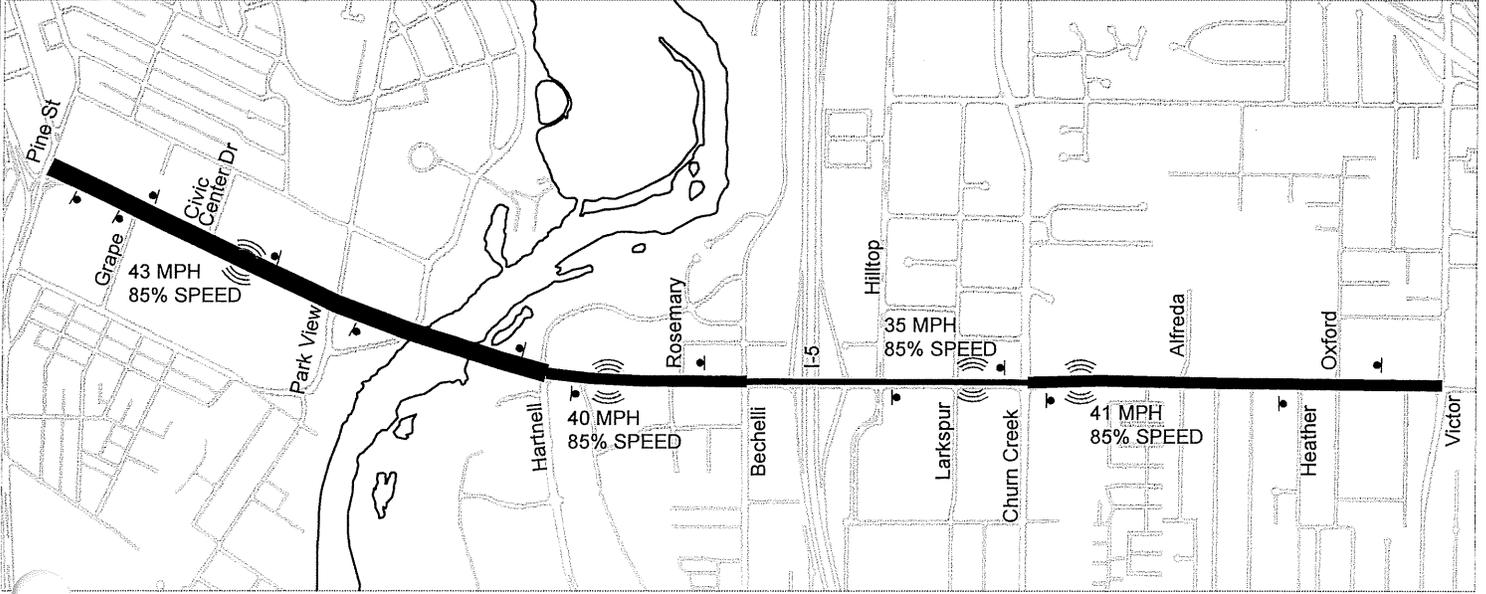
Roadway Segment Length, Ft	5,145	1,918	2,674	3,968
Number of Thru Lanes	6 (3 EB, 3 WB)	6 (3 EB, 3 WB)	6 (3 EB, 3 WB)	Varies 6/5 (2 EB, 3/2 WB)
Width, Ft	Varies 92' to 112'	82'	82'	Varies 92' to 62'
Median Type	Concr Island/Turn Lane	Center Turn Lane	Center Turn Lane	Concr Island/Turn Lane
Horizontal Alignment	Straight	Straight	Straight	Straight
Vertical Alignment	On Grade	On Grade	Flat	Flat

TRAFFIC CONDITIONS

Average Daily Traffic (ADT)	21,126	20,104	23,880	13,390
Collisions in the Last 2 Years	23	26	84	7
Collision Rate	1.53 Coll/MVM	1.77 Coll/MV	9.51 Coll/MVM	0.95 Coll/MVM
City-Wide Average Rate	2.21 Coll/MVM	1.92 Coll/MV	2.21 Coll/MVM	2.21 Coll/MVM
10 mph Pace Range, mph	30-40	32-42	23-35	33-43
Vehicles Within Pace, %	69%	87%	78%	82%
Median Speed (50%), mph	36	37	30	37
Existing Posted Speed, mph	35	35	35	40
Prevailing Speed (85%), mph	43	40	35	41
Nearest 5-mph Increment, mph	45	40	35	40
5-mph Reduction Recommended	Yes	Yes	Yes	Yes

RECOMMENDATION

POST SPEED LIMIT	40 mph	35 mph	30 mph	35 mph
Conditions Justifying 5-mph Reduction Below the Nearest 5-mph Increment of the Prevailing Speed (85%)	The presence of pedestrians and cyclists has been observed. This section includes on-street Bike Lanes. A 5-mph reduction is justified.	The presence of pedestrians and cyclists has been observed. This section includes a Bike Route. A 5-mph reduction is justified.	The collision rate and number of collisions indicate conditions may not be readily apparent to drivers. Frequent use by pedestrians and cyclists has been observed. A 5-mph reduction is justified.	The presence of pedestrians and cyclists has been observed. This section includes on-street Bike Lanes. A 5-mph reduction is justified.



LEGEND

- ▼ SPEED LIMIT SIGN
- (()) RADAR LOCATION
- ▬ 40 MPH SPEED LIMIT ZONE
- ▬ 35 MPH SPEED LIMIT ZONE
- ▬ 30 MPH SPEED LIMIT ZONE

CITY OF REDDING PUBLIC WORKS DEPARTMENT

**CYPRESS AVENUE
ENGINEERING & TRAFFIC SURVEY
PINE STREET TO VICTOR AVENUE**

