



Hartnell Avenue

SPEED ZONE BOUNDARY	East Cypress Avenue to Bechelli Lane	Bechelli Lane to Churn Creek Road	Churn Creek Road to Victor Avenue	Victor Avenue to Heritagetown Drive	Heritagetown Drive to Airport Road
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ROADSIDE CONDITIONS

Land Use District	Business	Business	Business	Business/Residential	Business
Pedestrian Use	Few	Numerous	Few	Few	Few
Percent Sidewalks	100%	100%	100%	30%	10%
Bike Lane or Bike Route	Yes	Yes	Yes	Yes	Yes
Driveways Present	Numerous	Numerous	Numerous	Several	Few

ROADWAY GEOMETRY

Roadway Segment Length, Ft	3,980	2,645	3,785	6,170	5,250
Number of Thru Lanes	4 (2 EB, 2 WB)	4 (2 EB, 2 WB)	4 (2 EB, 2 WB)	2 (1 EB, 1 WB)	2 (1 EB, 1 WB)
Width, Ft	Varies 60' to 74'	76'	76'	Varies 50' to 76'	Varies 32' to 60'
Median Type	Center Turn Lane	Center Turn Lane	Center Turn Lane	Ctr Turn Ln/DbI Yellow	Ctr Turn Ln/DbI Yellow
Horizontal Alignment	Gradual Curves	Straight	Straight	Straight	Straight
Vertical Alignment	Flat/On Grade	Overcrossing/Flat	Flat	Slight Grade	Flat

TRAFFIC CONDITIONS

Average Daily Traffic (ADT)	12,596	15,092	20,403	14,721	4,489
Collisions in the Last 2 Years	11	15	33	22	5
Collision Rate	1.59 Coll/MVM	2.72 Coll/MVM	3.09 Coll/MVM	1.75 Coll/MVM	1.53 Coll/MVM
City-Wide Average Rate	1.86 Coll/MVM				
10 mph Pace Range, mph	33 - 34	31 - 41	34 - 44	37 - 47	40 - 50
Vehicles Within Pace, %	67%	77%	72%	78%	78%
Median Speed (50%), mph	36	36	38	40	44
Existing Posted Speed, mph	35	35	35	40	45
Prevailing Speed (85%), mph	41	40	43	45	49
Nearest 5-mph Increment, mph	40	40	45	45	50

5-MPH REDUCTION OPTION per CA-MUTCD 2B.13 Option 1

Conditions that justify a 5-mph reduction below the nearest 5-mph increment of the prevailing speed:

Traffic Safety	-	Yes	Yes	-	-
Safety of Pedestrians	Yes	Yes	Yes	-	-
Safety of Cyclists	Yes	Yes	Yes	-	-
Residential Density	-	-	-	Yes	Yes
5-mph Reduction Recommended	Yes	Yes	Yes	Yes	Yes

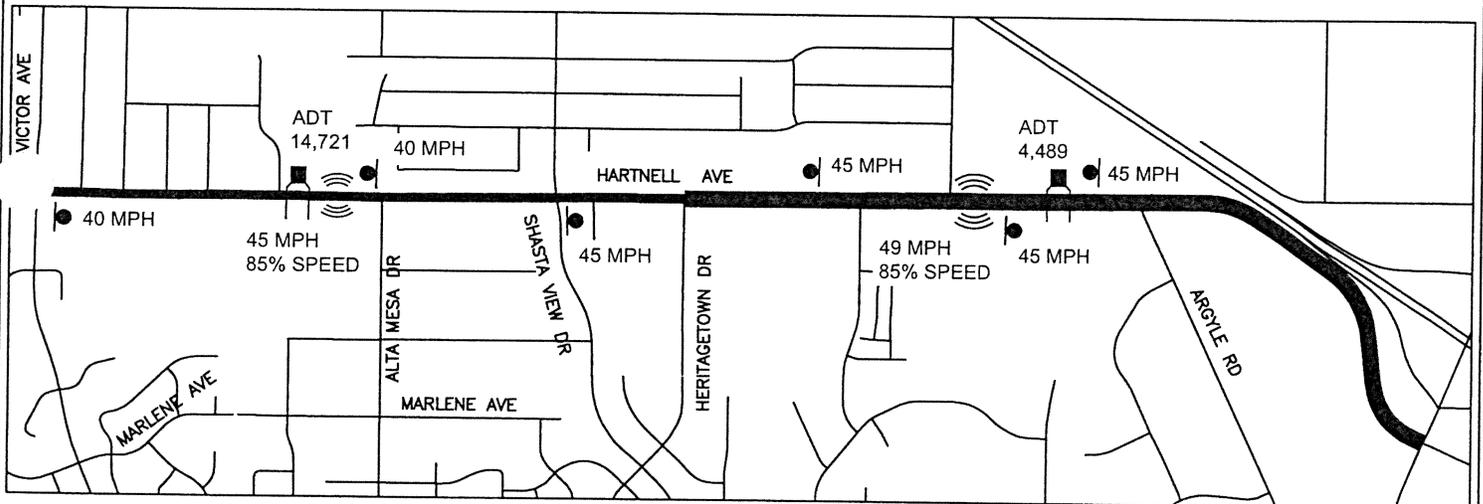
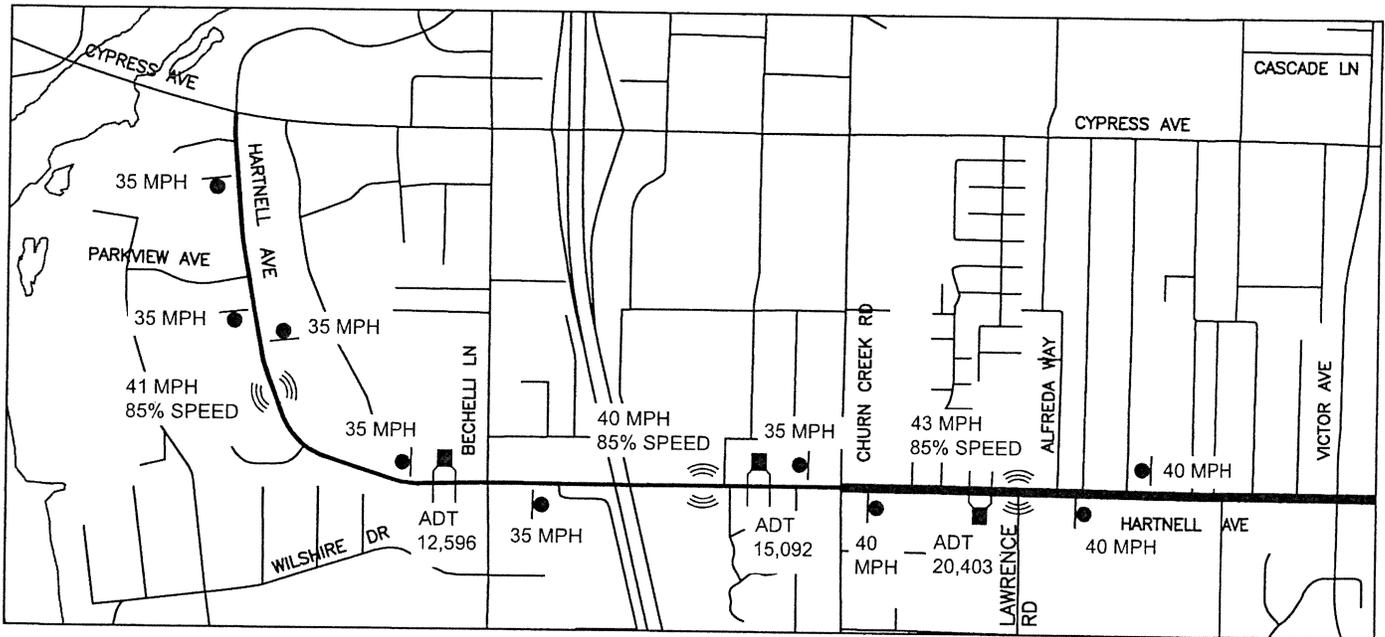
ROUNDING DOWN OPTION per CVC 21400 (b)

Where the nearest 5 mph increment would require rounding *up* from the prevailing speed, the posted speed limit may be rounded *down* from the prevailing speed, with no further reduction for any reason.

Rounding Down Recommended	No	No	No	No	No
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RECOMMENDATION

POST SPEED LIMIT	35 mph	35 mph	40 mph	40 mph	45 mph
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LEGEND

- SPEED LIMIT SIGN
- (()) RADAR LOCATION
- ▭ TUBE LOCATION
- 35 MPH SPEED LIMIT ZONE
- 40 MPH SPEED LIMIT ZONE
- 45 MPH SPEED LIMIT ZONE

CITY OF REDDING PUBLIC WORKS DEPARTMENT

HARTNELL AVENUE ENGINEERING & TRAFFIC SURVEY

East Cypress Ave to Airport Rd

