



**City of Redding**  
 Public Works Department  
 Traffic Operations

## Engineering and Traffic Survey of Bechelli Lane

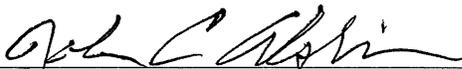
Survey Date: 8/5/2014  
 7-year Expiration: 8/5/2021

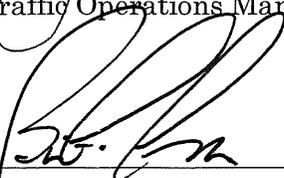
For the determination of safe and reasonable speed zoning as required by Sections 22358 and 40802 of the California Vehicle Code (CVC), as defined by Section 627 of the CVC and in accordance with Section 2B.13 of the California Manual on Uniform Traffic Control Devices, this Engineering and Traffic Survey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

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 zone(s) on Bechelli Lane is / are established:

- 45 mph from S Bonnyview Road to 550 feet south of Cheryl Drive (South)
- 40 mph from 550 feet south of Cheryl Drive (South) to Third Street
- 35 mph from Third Street to E Cypress Ave

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.

  
 \_\_\_\_\_ 11.4.14  
 John C. Abshier, P.E. Date  
 Traffic Operations Manager

  
 \_\_\_\_\_ 11/10/14  
 Brian Crane, P. E. Date  
 Director of Public Works



**ATTEST:**

  
 \_\_\_\_\_  
 for PAMELA WIZE, City Clerk



## Bechelli Lane

|                            |  |  |                                     |
|----------------------------|--|--|-------------------------------------|
| <b>SPEED ZONE BOUNDARY</b> | S Bonnyview Road<br>to 550' south of<br>Cheryl Drive (South) | 550' south of<br>Cheryl Drive (South) to<br>Third Street | Third Street<br>to<br>E Cypress Ave |
|----------------------------|--|--|-------------------------------------|

### ROADSIDE CONDITIONS

| Land Use District       | Residential | Residential | Residential/Business |
|-------------------------|-------------|-------------|----------------------|
| Pedestrian Use          | Moderate    | Moderate    | Numerous             |
| Percent Sidewalks       | 50%         | 40%         | 90%                  |
| Bike Lane or Bike Route | Yes         | Yes         | Yes                  |
| Driveways Present       | Few         | Numerous    | Numerous             |

### ROADWAY GEOMETRY

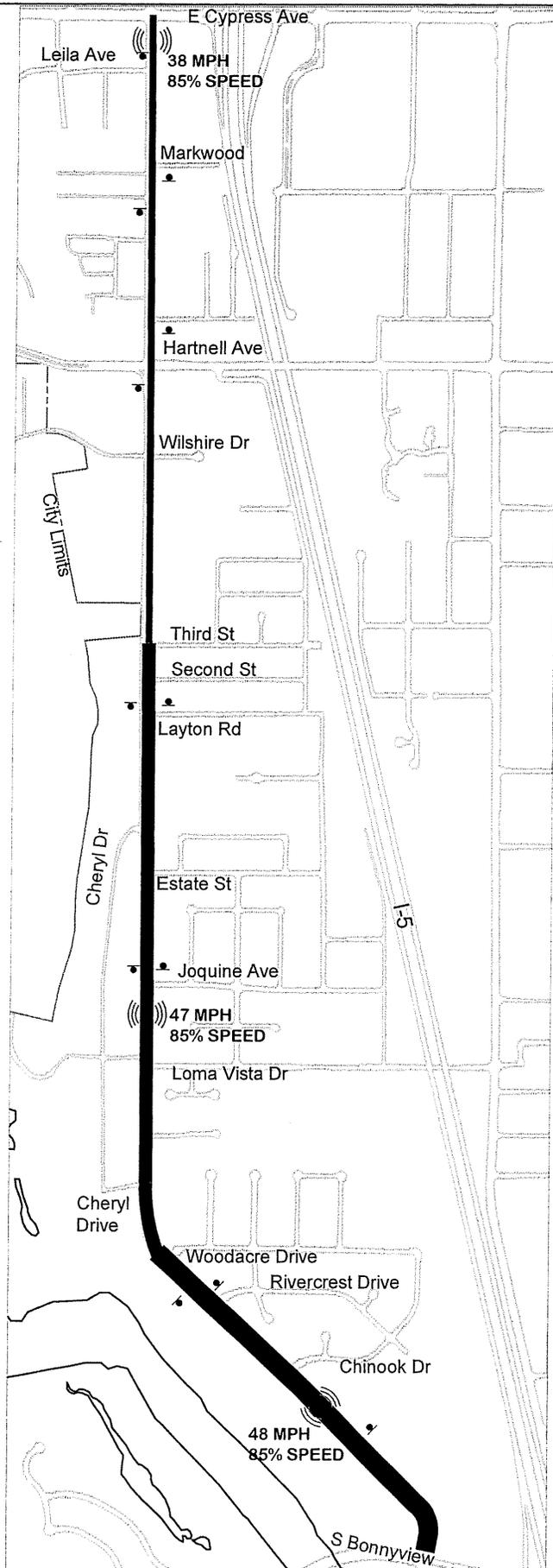
| Roadway Segment Length, Ft | 3,727               | 4,072            | 4,761            |
|----------------------------|---------------------|------------------|------------------|
| Number of Thru Lanes       | 2 (1NB, 1SB)        | 2 (1NB, 1SB)     | 4 (2 NB, 2 SB)   |
| Width, Ft                  | Varies (40' to 68') | Varies 40'-60'   | 64'              |
| Median Type                | Varies              | Center Turn Lane | Center Turn Lane |
| Horizontal Alignment       | Gradual curves      | Straight         | Straight         |
| Vertical Alignment         | Flat                | Flat             | Flat             |

### TRAFFIC CONDITIONS

|                                 |       |       |        |
|---------------------------------|-------|-------|--------|
| Average Daily Traffic (ADT)     | 8,061 | 9,485 | 12,644 |
| Collisions in the Last 2 Years  | 0     | 6     | 19     |
| Collision Rate, per MVM         | 0.00  | 1.12  | 2.28   |
| City-Wide Average Rate, per MVM | 2.21  | 2.21  | 2.21   |
| 10 mph Pace Range, mph          | 40-50 | 37-47 | 29-39  |
| Vehicles Within Pace, %         | 85    | 75    | 78     |
| Median Speed (50%), mph         | 45    | 42    | 34     |
| Existing Posted Speed, mph      | 45    | 40    | 35     |
| Prevailing Speed (85%), mph     | 48    | 47    | 38     |
| Nearest 5-mph Increment, mph    | 50    | 45    | 40     |
| 5-mph Reduction Recommended     | Yes   | Yes   | Yes    |

### RECOMMENDATION

| POST SPEED LIMIT   | 45 mph   | 40 mph  | 35 mph   |
|--|--|---|--|
| <p>Conditions Justifying 5-mph Reduction Below the Nearest 5-mph Increment of the Prevailing Speed (85%)</p> | <p>The presence of pedestrians and cyclists has been observed. This section includes on-street Bike Lanes. A 5-mph reduction is justified.</p> | <p>The presence of pedestrians and cyclists has been observed. This section includes a Bike Route and on-street Bike Lanes. A 5-mph reduction is justified.</p> | <p>The presence of pedestrians and cyclists has been observed. This section includes on-street Bike Lanes. A 5-mph reduction is justified.</p> |



**LEGEND**

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

CITY OF REDDING PUBLIC WORKS DEPARTMENT

**BEHELLI LANE  
ENGINEERING & TRAFFIC SURVEY  
SOUTH BONNYVIEW TO EAST CYPRESS**

