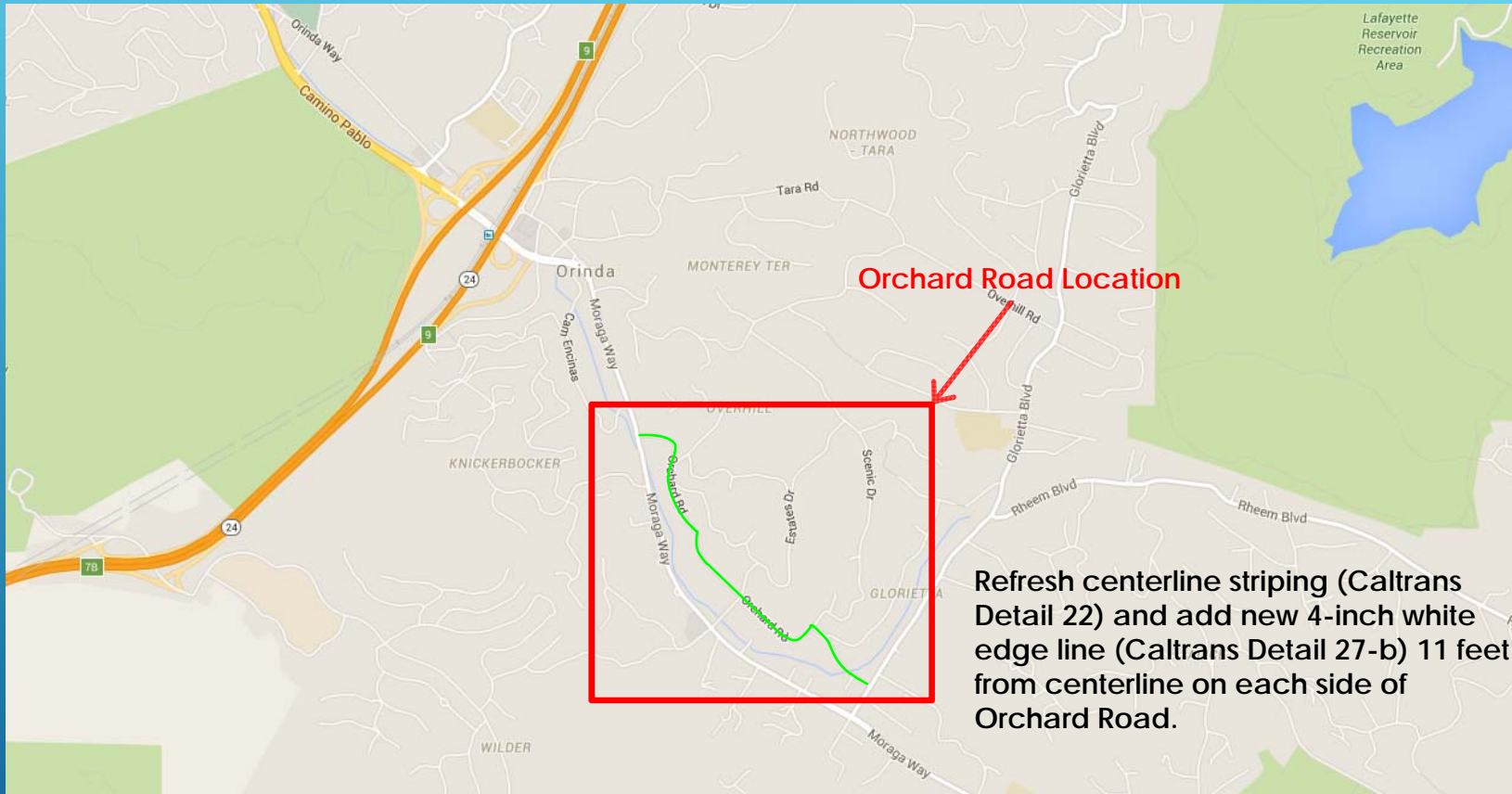


# ORCHARD ROAD APRIL 2016

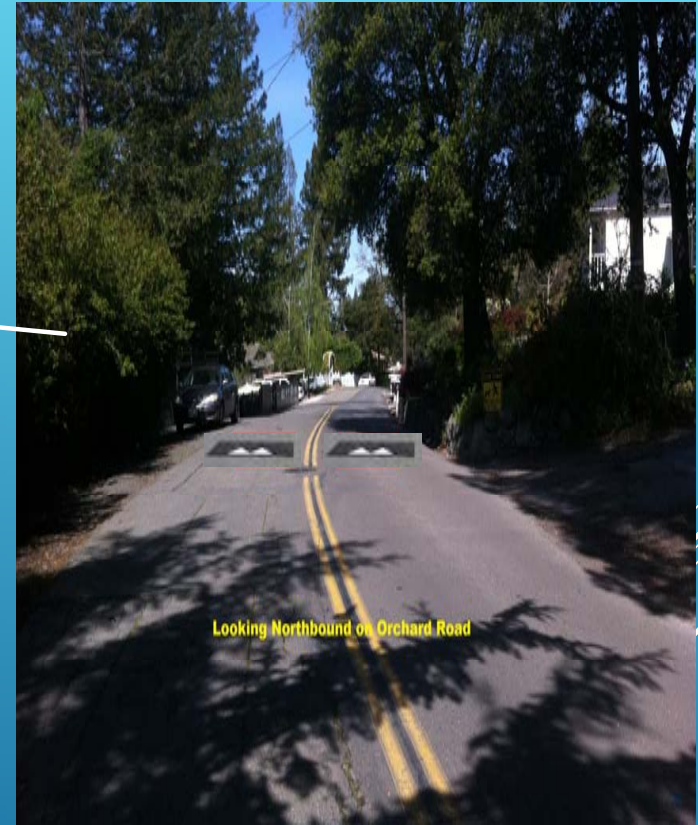
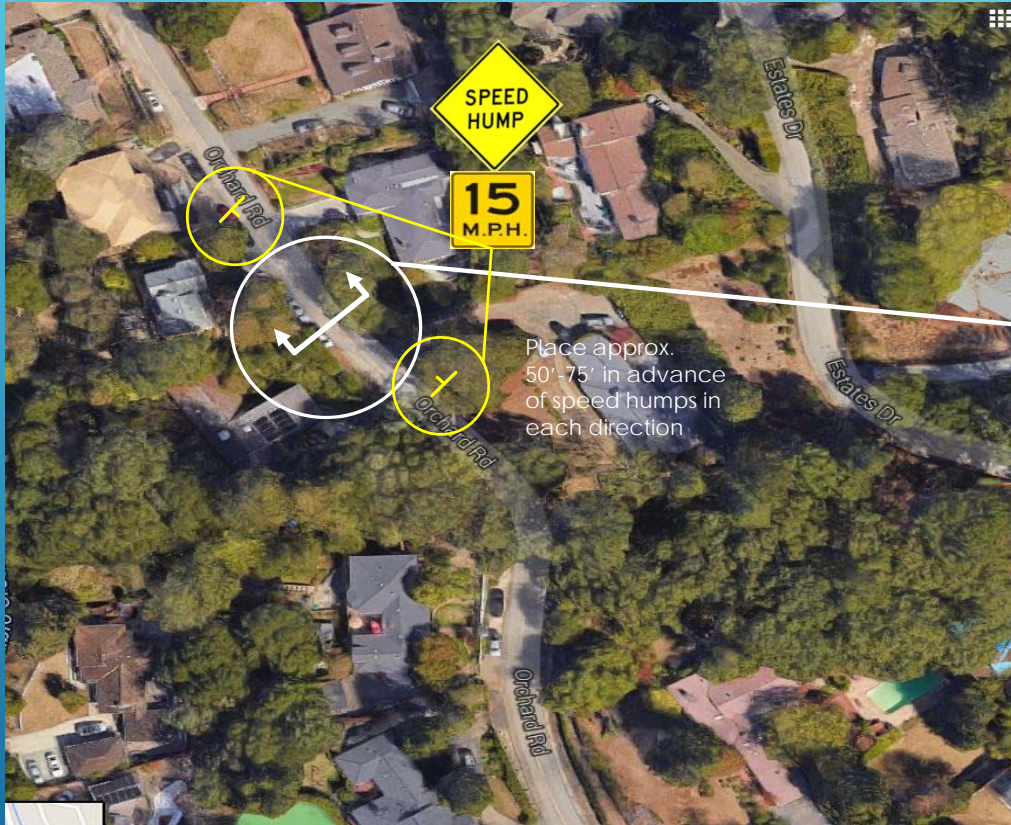
## Proposed Traffic Calming Measures

- Speed Cushions
- Centerline Striping
- Shoulder Striping – Lane Narrowing
- Additional Signage



Refresh centerline striping (Caltrans Detail 22) and add new 4-inch white edge line (Caltrans Detail 27-b) 11 feet from centerline on each side of Orchard Road.

## PROJECT LOCATION



Proposed Signs

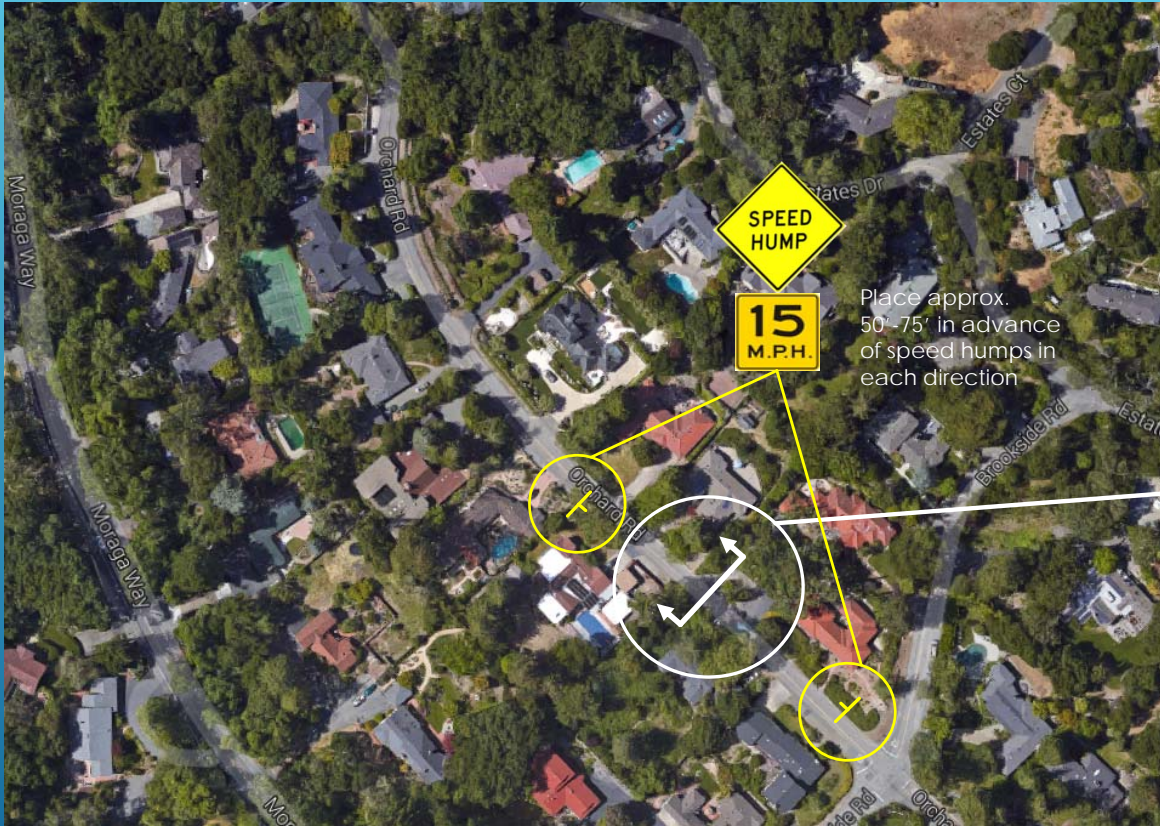
This side: This side:  
face of sign back of sign

32, 33, 36, 37 and 38 Orchard Road are within approximately 40' of proposed Speed cushion location

Keep minimum 40' distance from 29 Orchard Rd property line

Proposed Speed Cushions

33-36 ORCHARD ROAD, LOOKING NORTH



Place approx.  
50'-75' in advance  
of speed humps in  
each direction

Proposed Signs

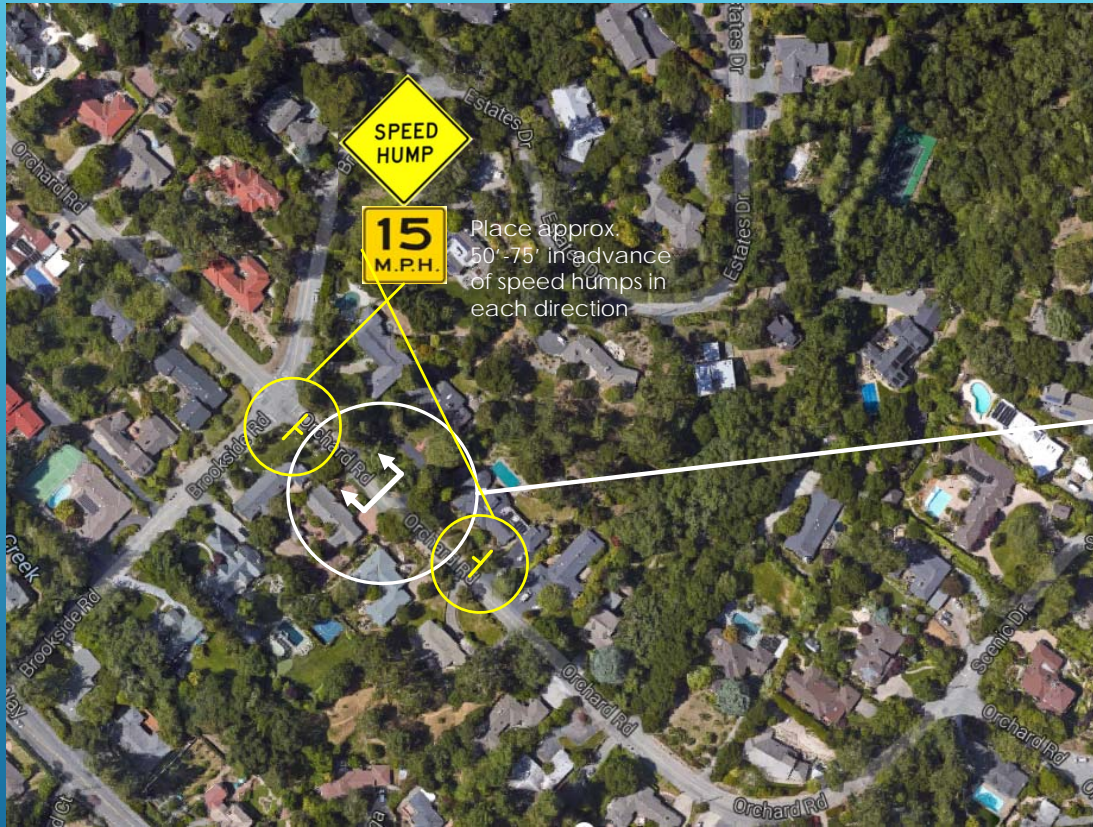
This side: face of sign | This side: back of sign

52, 55, 56, and 57 Orchard Road are within approximately 40' of proposed Speed cushion location

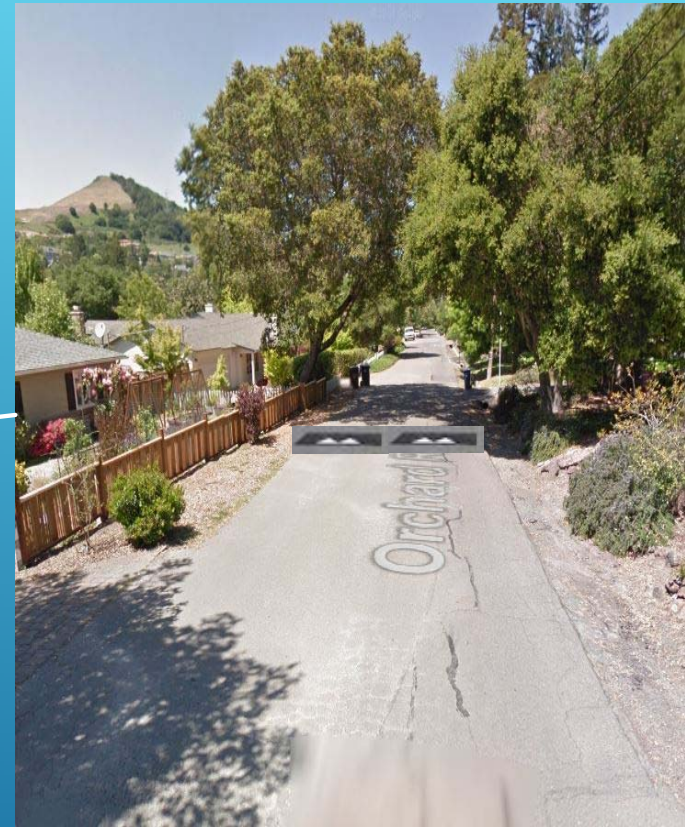


Proposed Speed Cushions

## 52-56 ORCHARD ROAD, LOOKING NORTH



Place approx.  
50'-75' in advance  
of speed humps in  
each direction



Proposed Signs

This side: This side:  
face of sign back of sign

62, 63, 66, and 67 Orchard Road are within approximately 40' of proposed Speed cushion location

Keep minimum 40' distance from 68 Orchard Rd property line

Proposed Speed Cushions

66-67 ORCHARD ROAD, LOOKING NORTH

# PRELIMINARY COST ESTIMATE

|  |         |
|--|---------|
| ▶ Speed Cushion  |         |
| ▶ (2) speed cushions (6'x6' each) at 33-36 Orchard Drive | \$3,500 |
| ▶ (2) speed cushions (6'x6' each) at 52-56 Orchard Drive | \$3,500 |
| ▶ (2) speed cushions (6'x6' each) at 66-67 Orchard Drive | \$3,500 |
| ▶ Pavement Striping                                      |         |
| ▶ Centerline Striping (Detail 22) ~4,800 LF @ \$1.25/LF  | \$6,000 |
| ▶ Shoulder Striping (Detail 27B) ~9,600 LF @ \$0.50/LF   | \$4,800 |
| ▶ Additional roadside signage                            |         |
| ▶ (6) Speed Hump with 15 mph advisory sign               | \$1,800 |

TOTAL ESTIMATED COST = \$23,100 excluding contingency