



Alpine Road Corridor Study Project

*Community Meeting
January 21, 2016*

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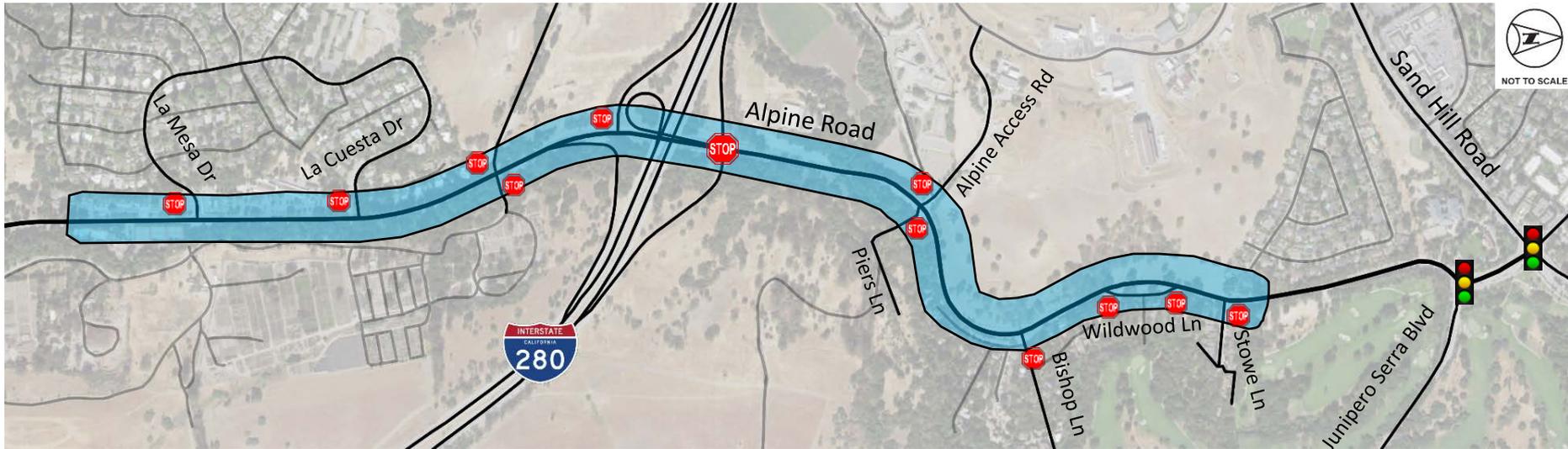
Agenda

- Presentation
 - Project Overview
 - Project Objectives
 - Project Process
- Open House





Project Corridor



 Study Area

 Study Intersection
(Signalized)

 Study Intersection
(Unsignalized)





Background

- Approximately 25,000 vehicles/day east of I-280
- Lengthy queues approaching I-280 in westbound direction in afternoon/evening
- Heavily utilized bicycle corridor
- Corridor is greatly constrained by steep slopes, limited ROW and Los Trancos/San Francisquito Creek





Prior Community Comments

- Stop sign violations at Northbound I-280 Ramps
- Challenges for pedestrians crossing corridor near Ladera
- Difficulty accessing corridor from Alpine Access Rd, Bishop Ln, Wildwood Ln, and Stowe Ln during peak periods
- Vehicular speeds
- Need better separation for bike lane





Project Objectives

- Reduce congestion and improve traffic operations and safety
- Support safe and efficient bicycle, pedestrian, and transit facilities
- Maintain rural character
- Identify cost-effective solutions





Corridor Congestion



- Queues from I-280 northbound ramps extend north to Stowe Lane
- Travel time from Junipero Serra Boulevard to I-280 increases by 262% in afternoon peak hour due to congestion





Existing Traffic Volumes

Location	Average Weekday Volumes			
	Daily	AM Peak Hour	Afternoon Peak Hour	PM Peak Hour
East of I-280	25,000	2,020 67% NB	1,870 60% SB	2,040 62% SB
West of I-280	18,600	1,600 61% SB	1,410 51% NB	1,480 51% SB

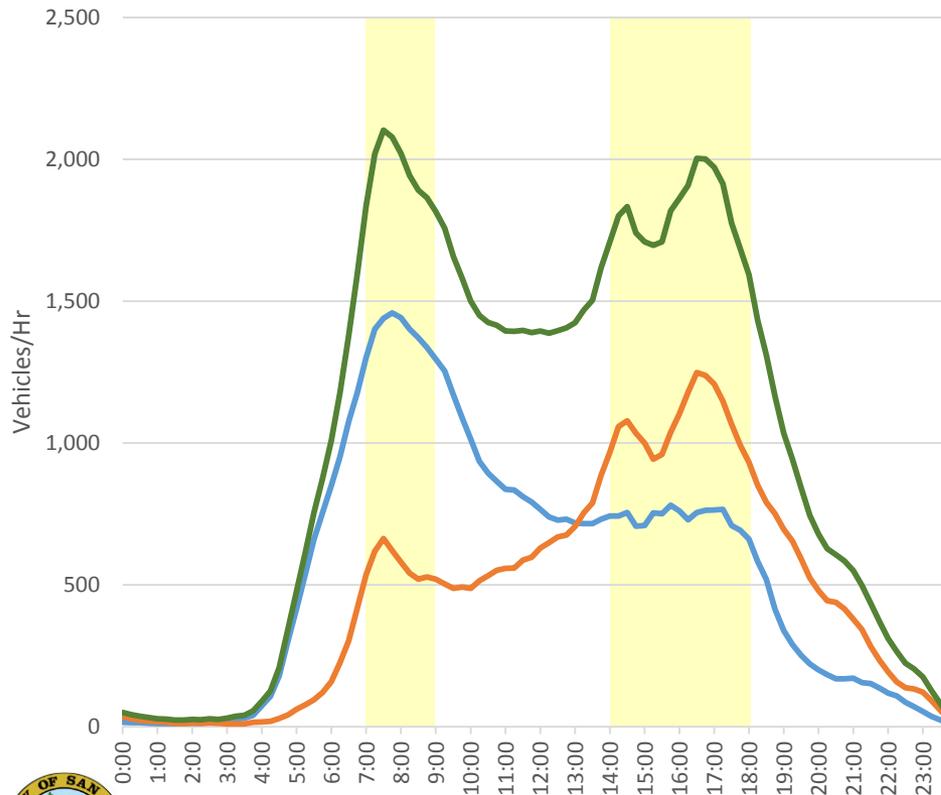
- Speed survey indicates 85th percentile speeds of up to 4 mph greater than posted speed limit



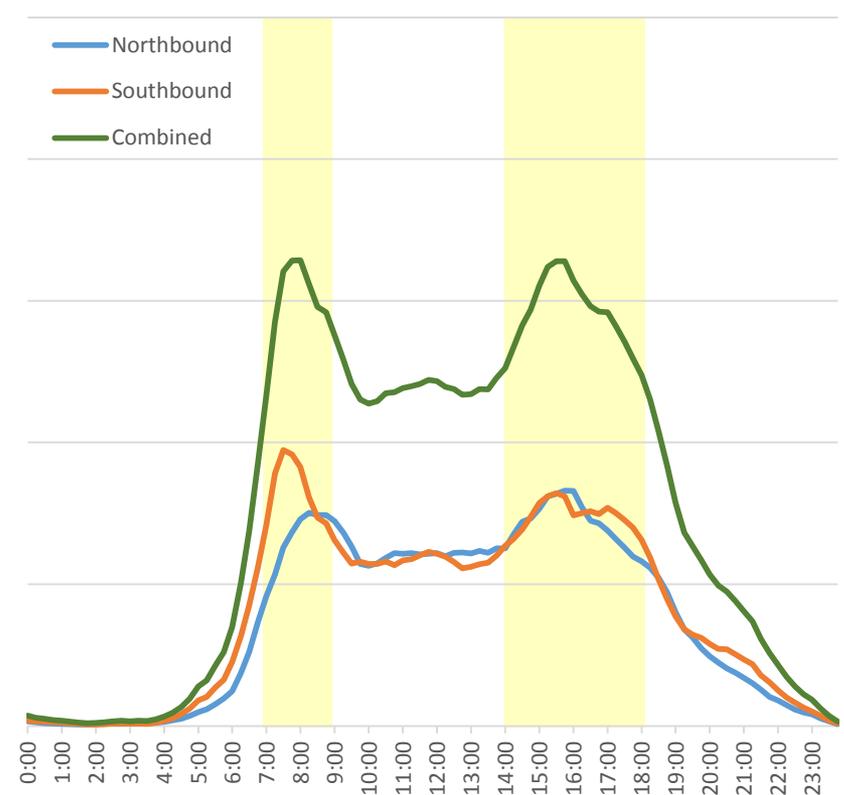


Traffic Volumes by Time of Day

Alpine Rd between Stowe Lane and Junipero Serra Boulevard



Alpine Road between San Francisquito Creek Road and I-280





Corridor Access

- Difficult to turn onto corridor
 - Limited sight distance
 - Congestion in peak periods
 - Limited acceleration length
- Numerous low-volume side-streets with stop control





Existing Bike Facilities





Bike Circulation Challenges

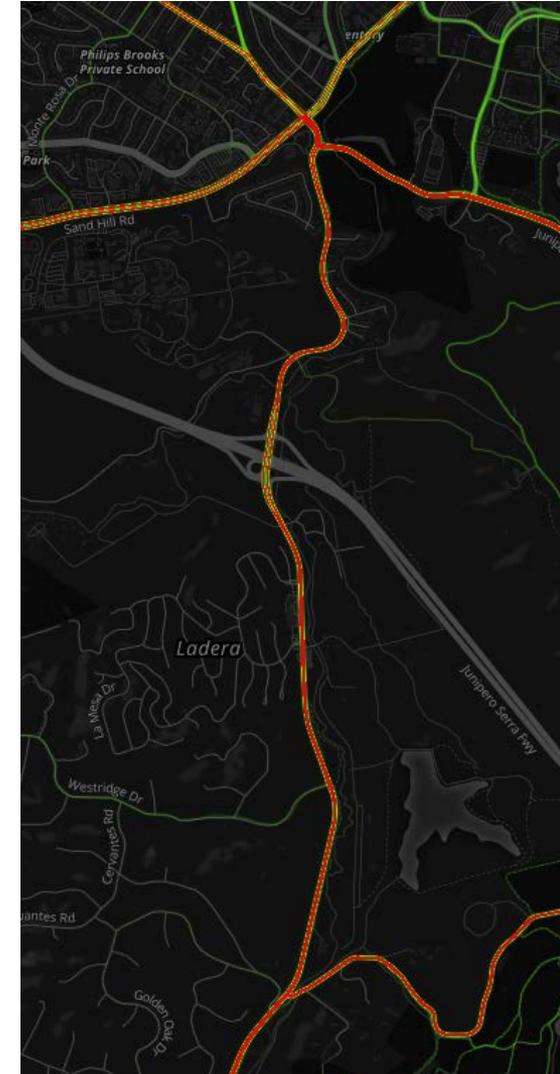
- Lack of separation between bike lanes and vehicle lanes
- Limited access points to bike lanes
- Path is extremely narrow, not continuous and has limited to no separation from roadway





Existing Bike Activity

- Weekday PM Peak Hour Volumes using bike lanes:
 - 36 at La Mesa
 - 36 at I-280
 - 35 at Stowe
- Mostly through trips, with some access at La Mesa, La Cuesta and Stowe





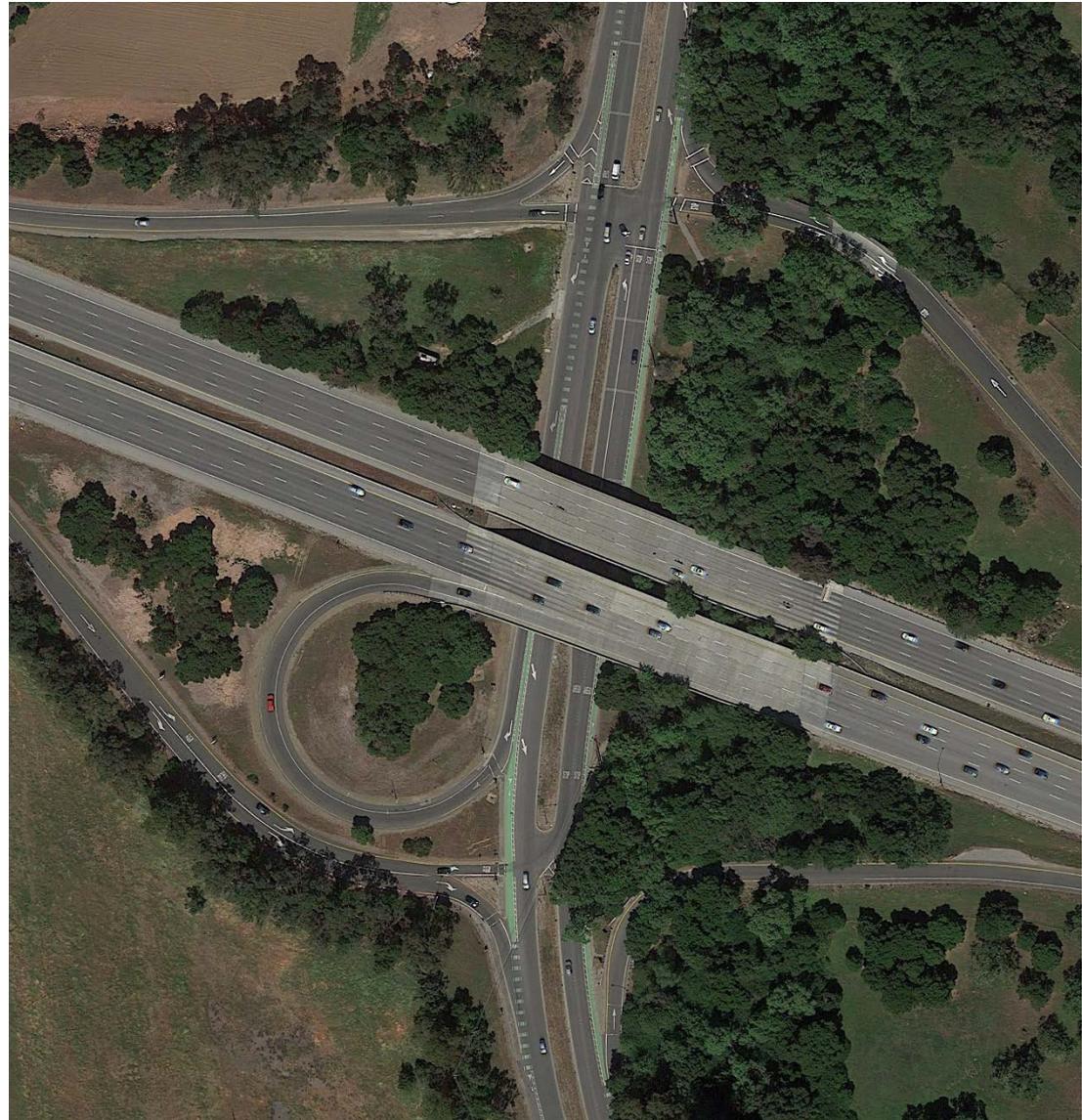
Collision History (2010 to 2014)

- 62 total reported incidents along Alpine Road within Study Area
 - Over half (33 incidents) at I-280 interchange
- 10 involving cyclists
- 3 involving severe injuries
- 1 fatality (at I-280 in 2011)
- Broadside collision was most common type of collision (52%) followed by rear-end collision (23%)





I-280 Interchange





Example Improvements for Consideration

- Intersection control
 - Signalization or roundabouts
- Slight widening of paved width for bicycle and pedestrian facilities
 - Wider bike lanes, buffered bike lanes, wider path
- Increased turn pocket and acceleration lane length
- Improved signage and striping
- Modification of ramps at I-280





Evaluation Criteria

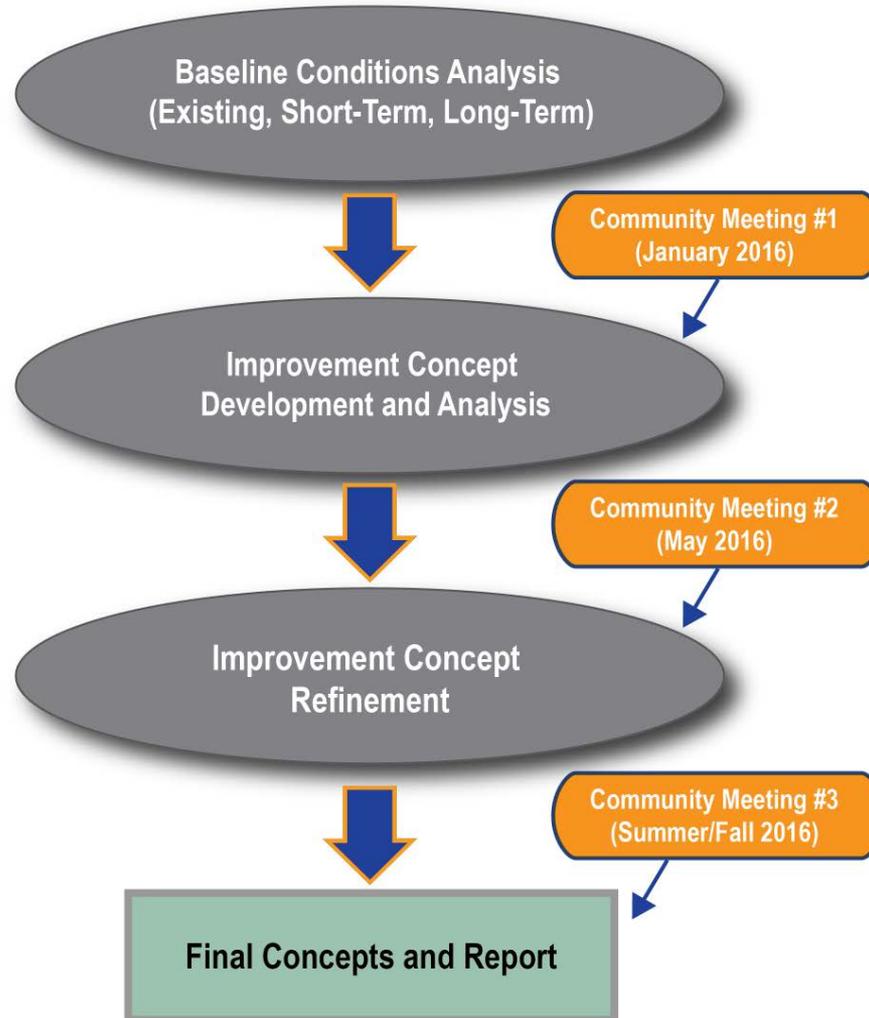
- Multimodal Circulation and Safety
- Corridor Access
- Traffic Throughput and Congestion Reduction
- Community Feedback
- Cost

Influenced by priorities established by community





Project Process





Next Steps

- Development of Improvement Options
- Analysis of Improvement Options
- Presentation of Options at Public Outreach Meeting #2 (May)





Meeting Objectives

- How do you use the corridor?
- What do you believe are the priorities for the corridor?
- What are the current issues/challenges with the corridor?
- What types of improvements would you like to see?





Station #1: Characteristics

- Where do you live?
- How do you utilize the corridor?

Please place a dot on the map generally where you live.

Please place a dot on the matrix corresponding to the travel mode, frequency, and time of day using the corridor. This will give us a sense of how people are using the corridor.





Station #2: Priorities

- What are the greatest needs for the corridor?

Please place a dot indicating the greatest needs for the corridor: 1st, 2nd and 3rd priorities. We encourage you to discuss some of these improvements with the staff at the station.





Station #3: Corridor Information and Needs

- Help us identify constraints and issues with the current corridor

Please write any concerns, comments, or improvement needs on a Post-It and place on the corridor information aerial.





Station #4: Types of Improvements

- What types of improvements would you like to see or not like to see on this corridor?

Please write your thoughts on the provided cards regarding the desirability of the identified improvements for this corridor.





Other Opportunities to Provide Feedback

- Fill out comment card here at the meeting
- Provide any additional comments online at:
<https://www.surveymonkey.com/r/AlpineComments>
- Attend our next community meeting (anticipated to be in May)

