COMMUNITY MEETING AGENDA

• Welcome and Introductions
• SAFE Presentation
• Project Presentation
• Priorities Feedback
• Next Steps
• Q&A
Santa Cruz Avenue
Corridor Study
Community Meeting - August 28, 2017 - 7:00-9:00pm
Oak Knoll Elementary School

Joe Lo Coco, San Mateo County Public Works
Adam Dankberg, Kimley-Horn and Associates, Inc.
Eileen Goodwin, Apex Strategies
Project Corridor
Project Process

1. Baseline Conditions Analysis
2. Improvement Opportunity Assessment
3. Improvement Concept Development and Analysis
4. Final Concepts and Report

Community Meeting #1 (August 2017)
Community Meeting #2 (Fall 2017/Winter 2018)
Project Objectives

• Provide a roadway that serves all users: local access, pedestrians, bicycles, and other roadway users

• Avoid right-of-way acquisition
  • Right-of-way varies from 74’ to 116’

• Meet state and local design and operations standards
Corridor Configuration and Constraints

• Four travel lanes plus a center-turn lane
  • Widens to provide turn lanes at Sand Hill Road
  • Provides access to residential driveways and side-streets
  • Connects neighborhoods to the north to Sand Hill Road
  • Used for school access by cars, pedestrians, and cyclists

• Speed Limit = 35 MPH

• Narrow sidewalks

• On-Street Parking
  • 25 spaces

• 6 locations to cross as a pedestrian along the 0.65 mile corridor
  • Sand Hill (Signalized)
  • Palo Alto (Unsignalized)
  • Santa Cruz/Alameda de las Pulgas (Signalized)
  • Sharon (Signalized)
  • Liberty Park Ave (Unsignalized)
  • Avy Avenue (Signalized)
Previous Studies

• DPW study of a road diet between Sand Hill Rd and ADLP (2013)
  • Concerns over increased congestion; prefer to restrict on-street parking during peak hours, keep vehicle/bike in mix-flow traffic

• Las Lomitas Elementary School Transportation Study (2015)
  • Continue aesthetic style of pedestrian improvements along the corridor
  • Implement non-Infrastructure improvements such as a Walking School Bus

• Menlo Park (Unincorporated Area)—Pedestrian Safety Assessment (2010)
  • Between 2000-2009 there was a bicycle fatality near the intersection of Santa Cruz Ave and Palo Alto Way
  • Between 2000-2009 the top pedestrian-vehicle injury location was at Santa Cruz Avenue/Alameda de las Pulgas & Campo Bello Lane
Traffic Distribution

Percent distribution of traffic along Santa Cruz Ave and Alameda de las Pulgas
Traffic Volumes

• Santa Cruz/Alameda de las Pulgas
  • Weekday AM – peak flow is southbound to Sand Hill
  • Weekday PM – peak flow is northbound from Sand Hill

Weekday counts May 2017
Peak hours:
7:30-8:30 AM
5:00-6:00 PM
Traffic Congestion

• Intersection with Sand Hill Road has high demand from all approaches
• Southbound left-turn onto Sand Hill operates at capacity and causes some congestion
• Congestion heavily present at Sand Hill intersection; less prominent along the remainder of corridor
Santa Cruz Avenue Corridor Study

Current Bicycle Network

Source: City/County Association of Governments of San Mateo County – Comprehensive Bicycle and Pedestrian Plan 2011 Bicycle Map
Bicycle Activity

- Weekday corridor bicycle activity
  - ~112 from 8:00-9:00AM
  - ~73 from 5:00-6:00PM
- Weekend corridor bicycle activity
  - ~77 from 9:00-10:00AM
  - ~82 from 10:00-11:00 AM
  - Large AM peak hour count (110) turning westbound onto Sand Hill Rd from Alpine direction

2017 Weekend AM & PM Peak Hour Bicycle Counts

Weekday Counts: May 2017
Weekend Counts: August 2017
Bicycle Circulation Challenges

• No striped bike facility north of intersection with Sand Hill
• Large bike volumes coming from Sand Hill and Santa Cruz south of Sand Hill
• Bicycles often pinned between parked cars and moving vehicles
• 11 bicycle collisions along corridor between 2009-2017
Pedestrian Facilities and Activity

• Santa Cruz Ave/Campo Bello Ln/Alameda De Las Pulgas
  • Weekday: 9 (AM peak hour) and 4 (PM peak hour)
  • Weekend: 3 (AM peak hour), and 2 (PM peak hour)

• Alameda de las Pulgas @ Sharon Rd (weekday)
  • Weekday: 41 (AM peak hour) and 26 (PM peak hour)

Weekend counts: August 2017
Weekday counts: May 2016
Pedestrian Circulation Challenges

- Narrow sidewalks
- Facilities do not meet ADA standards
- Poor signage placement
- Sidewalks in poor condition
- Uncontrolled crossings
Collision Summary

• 34 collisions between 2009 and 2016
• 11 collisions involved bicycles
• 2 collisions involved pedestrians
• 0.85 collisions per Million Vehicle Miles (MVM) traveled
• Below state average of 1.05 collisions/MVM for 4+ lane undivided facilities

Source: San Mateo County Collision Summary Report 2009-2017
Collision Map

Source: San Mateo County Collision Summary Report 2009-2017
Potential Solutions

• Bike Lanes
• Buffered Bike Lanes
• Wider Sidewalks
• Improved Sidewalks
• Bulb-outs, Realignment and Refuges to Shorten Crosswalks
• Intersection Reconfiguration
• Flashing Beacons to Improve Crosswalk Safety
• ADA Improvements (Curb Ramps)
• Crosswalk Enhancements

• Signage/Wayfinding
• Speed Feedback Sign
Breakout Activity – Cross-Sections and Priorities

**Existing Conditions**

- 5’ Sidewalk
- 14’ Sharrow
- 10’ Drive lane
- 10’ Center turn lane
- 10’ Drive lane
- 13’ Sharrow
- 7’ Parking lane
- 4½’

**Alternative 1**

- 5’ Sidewalk
- 6’ Bike lane
- 11’ Drive lane
- 11’ Drive lane
- 11’ Drive lane
- 5’ Bike lane
- 2’ Parking lane
- 4½’

**Alternative 2**

- 5’ Sidewalk
- 5’ Bike lane
- 11’ Drive lane
- 11’ Drive lane
- 11’ Drive lane
- 5’ Bike lane
- 2’ Parking lane
- 4½’
Breakout Activity – Cross-Sections and Priorities

**Existing Conditions**

- 5' Sidewalk
- 14' Sharrow
- 10' Drive lane
- 10' Center turn lane
- 10' Drive lane
- 13' Sharrow
- 7' Parking lane
- 4½'

**Alternative 3**

- 7½' Sidewalk
- 6' Bike lane
- 3' Drive lane
- 11' Center turn lane
- 11' Drive lane
- 11' Drive lane
- 8' Parking lane
- 3'
- 6' Bike lane
- 7' Sidewalk

**Alternative 4**

- 5' Sidewalk
- 6' Bike lane
- 11' Drive lane
- 10' Center turn lane
- 11' Drive lane
- 11' Drive lane
- 11' Drive lane
- 5' Bike lane
- 8' Parking lane
- 6½' Sidewalk
Breakout Activity – Cross-Sections and Priorities

Understanding that all are important, please represent your top **six** mobility priorities in order of importance, from **highest** (top) to **lowest** (bottom).
Activities Recap
Next Steps

- Development of Improvement Alternatives
- Analysis of Improvement Alternatives
- Presentation of Alternatives at Community Meeting #2 in Fall/Winter
Project Information

Online Survey: https://www.surveymonkey.com/r/SantaCruzCorridor

http://publicworks.smcgov.org/santa-cruz-avenue-corridor-study