El Camino Real/Selby Lane Intersection Improvements

North Fair Oaks Community Association

Fair Oaks Community Center

September 27, 2018
Purpose of Meeting

• Recap discussions to improve intersection safety
• Identify preferred alternative
Purpose of Agency Discussions

• Improve safety for all users:
  – Pedestrians
  – Bicyclists
  – Vehicles

• Identify alternatives to signalization
History of Vehicular Accidents

Identified in the Atherton BPMP as a priority intersection for pedestrians

Caltrans warrant study points to a signal

Atherton Town Council requested alternative solutions

Caltrans and San Mateo County reviewed alternative analysis

Preferred alternatives selected for further study

ECR/Selby Ln Community Meeting #1

Developed Alternatives

ECR/Selby Ln Community Meeting #2

ECR/Selby Ln Community Meeting #3

Background
Challenge
Accident History

- 69 total accidents past 10 years
  - 63 vehicular
  - 6 bicycle
  - 0 pedestrian
- 45% rear end collisions
- 33% broadside collisions
- 30% resulted in injuries
- 1 fatality
Accident History
Accident History

- Poor visibility
- Lack of gaps in traffic
  - ECR > 37,000 ADT
  - Vehicle speeds 35-40 mph
- Unclear right-of-way due to vehicle movements and queuing
Improvement Options

• Signalized intersection
• Restricted movements
• Do nothing
Signalization

El Camino Real/Selby Ln Intersection Improvements
Alternative 1

El Camino Real/Selby Ln Intersection Improvements

Emergency Vehicle Access/Bicycle Refuge

Pedestrian Refuge
Alternative 2

El Camino Real/Selby Ln Intersection Improvements
Operational Analysis

- Studied 2 alternatives
  - Signal & restricted movements
- Data collected May 2016
  - Vehicles, bikes, peds
  - Added additional intersections (6 total)
- Signal: improves ops but incudes traffic diversion
- Restricted: improves ops but limits access
Summary of Bicycle/Pedestrian Accidents

- 28 accidents in past 10 years, 1 fatality (2014)
  - Selby/ECR:
    - 6 bike
  - 5th Ave/ECR:
    - 5 bike, 9 ped
  - Amherst/ECR:
    - 1 bike
  - Stockbridge/ECR:
    - 5 bike, 2 ped
Questions