

North San Mateo Drive Sustainable Street Improvement Project (Peninsula Avenue to Baldwin Avenue)

Public Works Commission Meeting

March 9, 2016



Department of Public Works
Stewards of the Infrastructure and Environment



Project Location

- Peninsula Avenue to Baldwin Avenue
- North-South bicycle corridor
- Connects Burlingame to downtown San Mateo



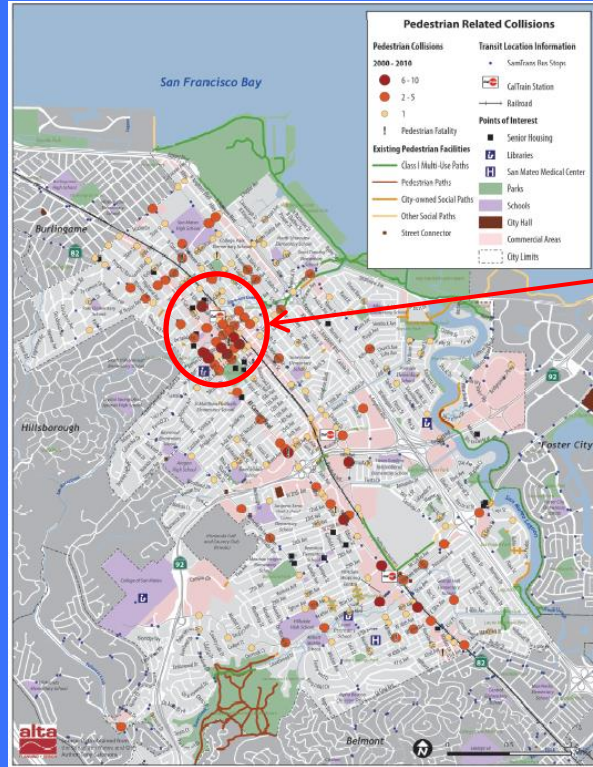
Basis of Design

Consistent with:

- Vision Zero
- Complete Streets
- Pedestrian Master Plan
- Bicycle Master Plan
- Sustainable Streets Master Plan
- County Bicycle Master Plan



Vision Zero



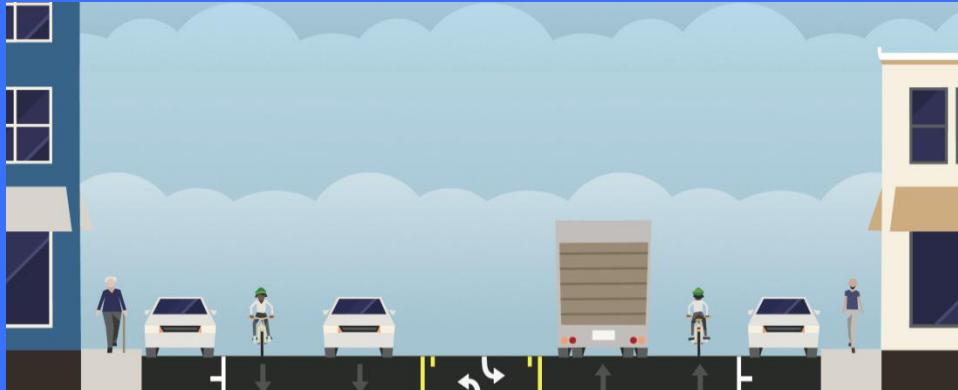
Statistics

- Pedestrian & bicyclist counts increased by 10% (over a 3-year period)
- 86 Traffic Collisions (2010-2014)
 - 58 body injuries
 - 44 involved pedestrians and bicyclists
 - 56% of all collisions occur in the intersection
- Pedestrian and bicycle safety improvements are needed along this corridor



Bicycle Master Plan Elements

Proposed 1.0 mile bicycle improvements



Class II Bicycle Lanes

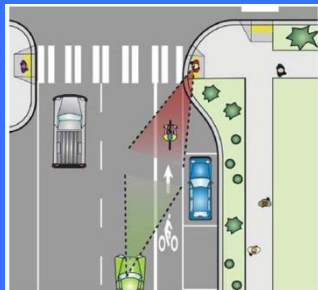


Class III Shared Lanes



Pedestrian Master Plan Elements

Proposed pedestrian safety improvements



Curb Extensions



Pedestrian
Countdown
Signals



High Visibility
Crosswalks



Pedestrian-Scale
Lighting



Sustainable Streets Master Plan Elements

Proposed green infrastructure



Stormwater treatment curb extensions



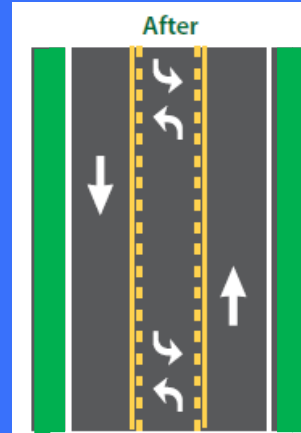
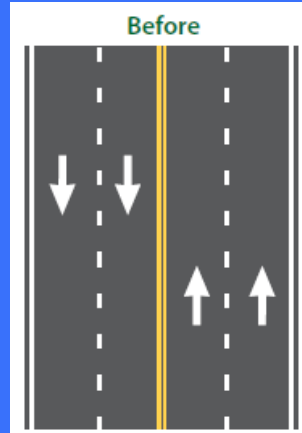
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Complete Streets Elements

Creating streets for all users – Proposed roadway reconfiguration

4-lane configuration
with 2 lanes in each
direction



3-lane configuration with 1
lane in each direction with
center two way left turn
lane and bicycle lanes

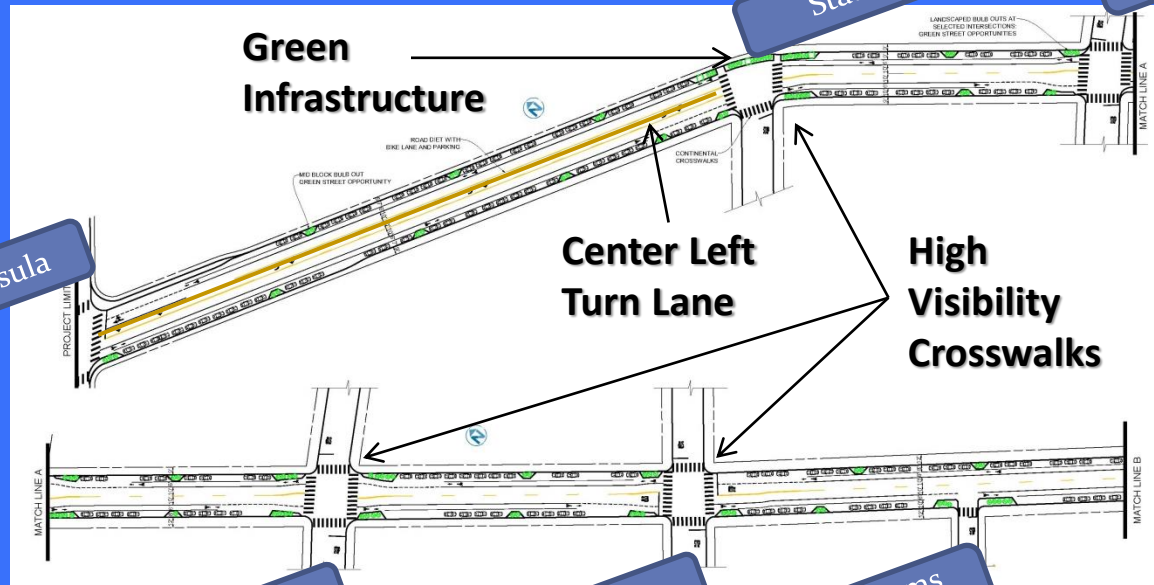


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Proposed Improvements

Peninsula Avenue to Poplar Avenue



Through this segment:

- Class II Bicycle Lanes
- Road Diet Implementation
- Curb Extensions, where shown
- Pedestrian Countdown Signals, at signalized intersections
- Pedestrian Scaled Lighting, at signalized intersections

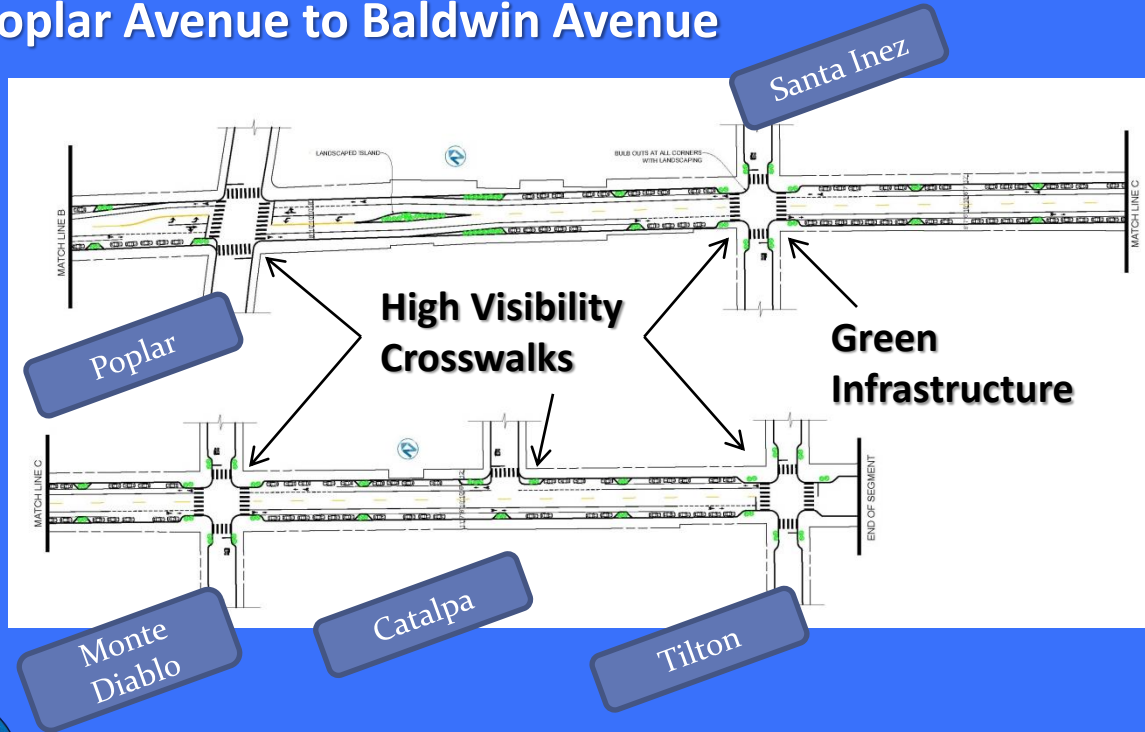


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Proposed Improvements

Poplar Avenue to Baldwin Avenue



Through this segment:

- **Class III Shared Use Lanes**
- **Curb Extensions**, where shown
- **Pedestrian Countdown Signals**, at signalized intersections
- **Pedestrian Scaled Lighting**, at signalized intersections



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Road Diet Impacts – Traffic Analysis

Traffic analysis performed October 2015 for this project

- Data Collection
- Traffic Study & Analysis
 - Provides adequate capacity EXCEPT for the Bellevue intersection
 - Identified the need for traffic improvement at Bellevue intersection
- Traffic Simulation



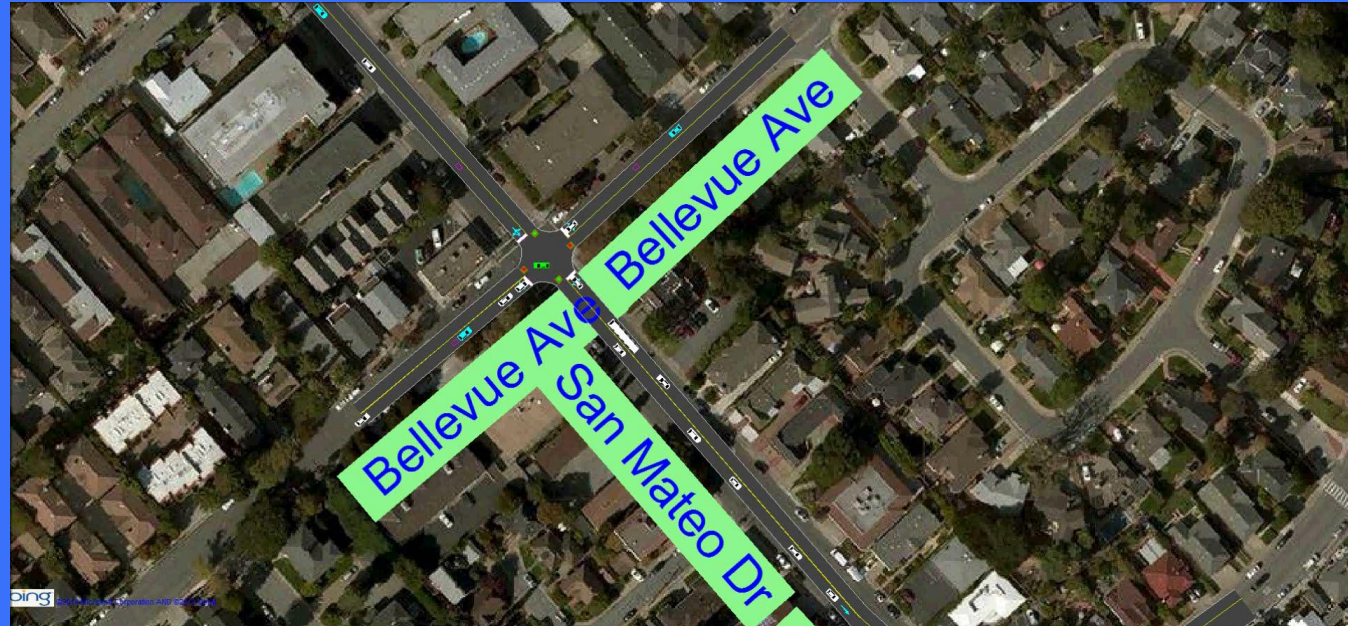
Intersection Traffic Simulation Option 1

- New Configuration: One lane in each direction, with left turn pockets
- Maintain existing 4-way stop
- Create excessive south bound queue



Intersection Traffic Simulation Option 2

- New Configuration: One lane in each direction, with left turn pockets
- Replace stop sign configuration with traffic signals
- Maintain adequate traffic flow



Intersection Traffic Simulation Option 3

- New Configuration:
One lane in each direction
- Maintain existing configuration at intersection
(Two lanes in each direction)
- Maintain existing 4-way stop
- Miss out Complete Streets components at the intersection



Intersection Recommended Option

Option 1

- New Configuration: One lane in each direction, with left turn pockets
- Utilize existing 4-way stop

Option 2

- New Configuration: One lane in each direction, with left turn pockets
- New Traffic Signals

Option 3

- Restore to Existing Configuration: Two lanes in each direction, no left turn pockets
- Utilize existing 4-way stop

Recommended Option

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Project Funding

	Total Cost	City Funds	TDA Article 3 Grant	Measure A Grant
Design	\$235,000	\$235,000		
Construction	\$1,600,000	\$1,000,000	\$400,000	\$200,000



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Next Steps

Public Outreach

- Update City webpage to provide project status updates
- Mail notice to adjacent community in advance of construction

Design

- Incorporate feedback
- Anticipate completion Dec 2016

Construction

- Anticipate beginning Spring 2017



Questions and Comments

Public Works Commission to provide comment
on proposed project improvements

Contact

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