

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

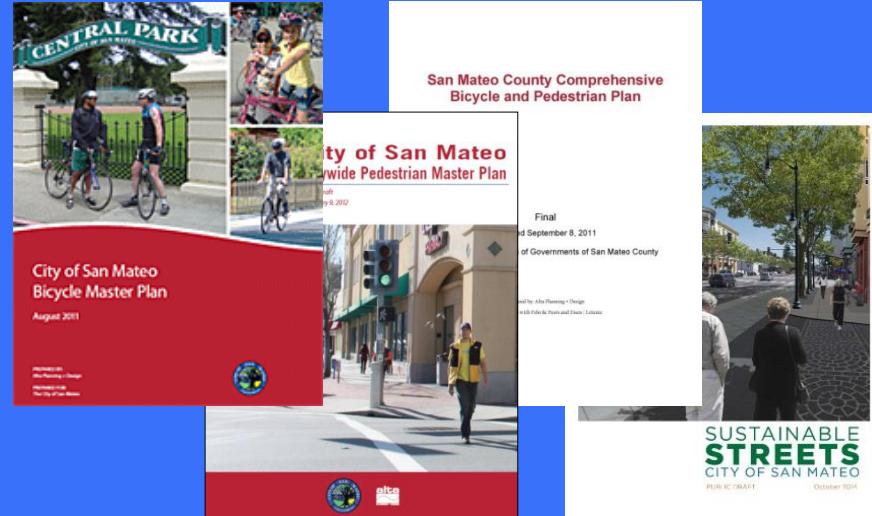
- Peninsula Avenue to Baldwin Avenue
- North-South bicycle corridor
- Connects Burlingame to downtown San Mateo



Basis of Design

Consistent with:

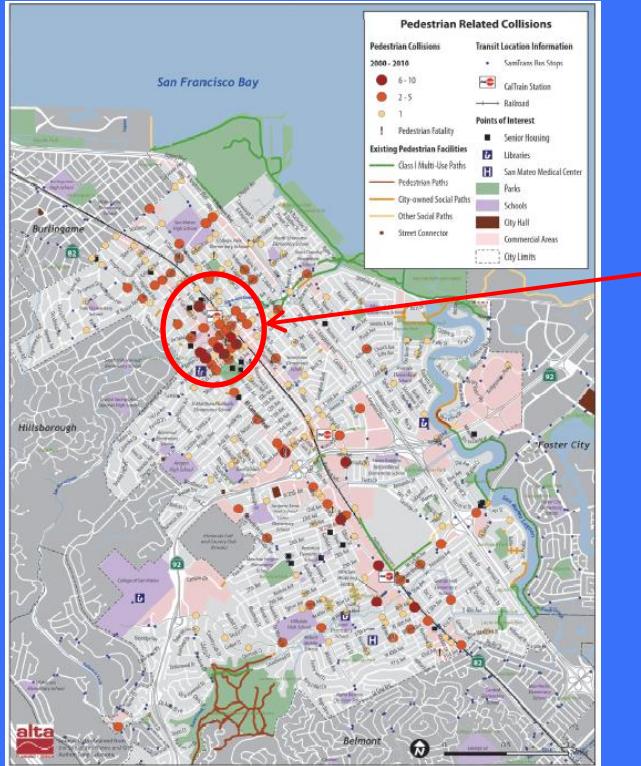
- Vision Zero
- Complete Streets
- Pedestrian Master Plan
- Bicycle Master Plan
- Sustainable Streets Master Plan
- County Bicycle Master Plan



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Vision Zero



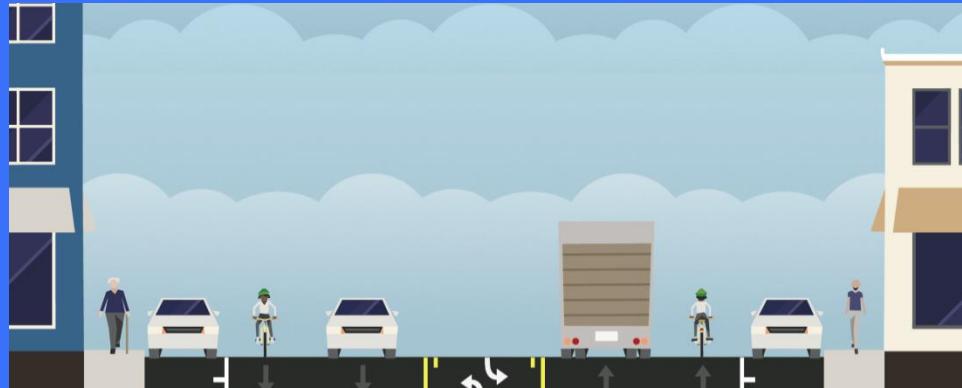
Statistics

- **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

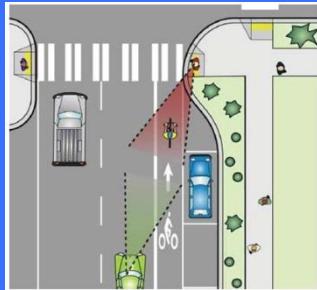


Class III Shared Lanes



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

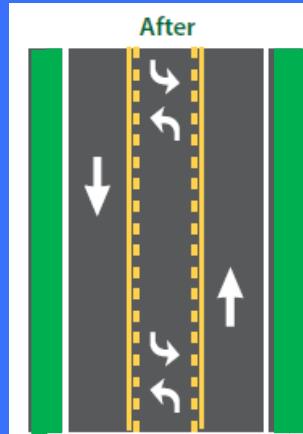
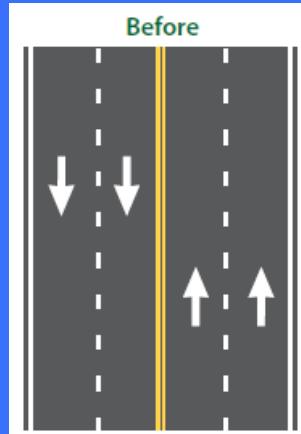
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Complete Streets Elements

Creating streets for all users – Proposed roadway reconfiguration

4-lane configuration
with 2 lanes in each
direction

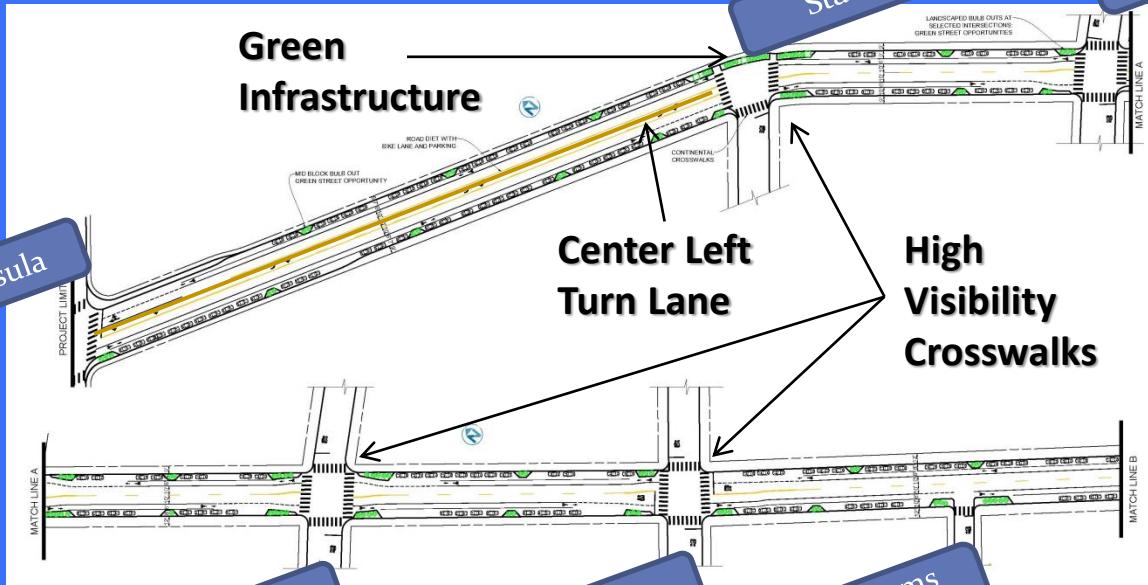


3-lane configuration with 1
lane in each direction with
center two way left turn
lane and bicycle lanes



Proposed Improvements

Peninsula Avenue to Poplar Avenue



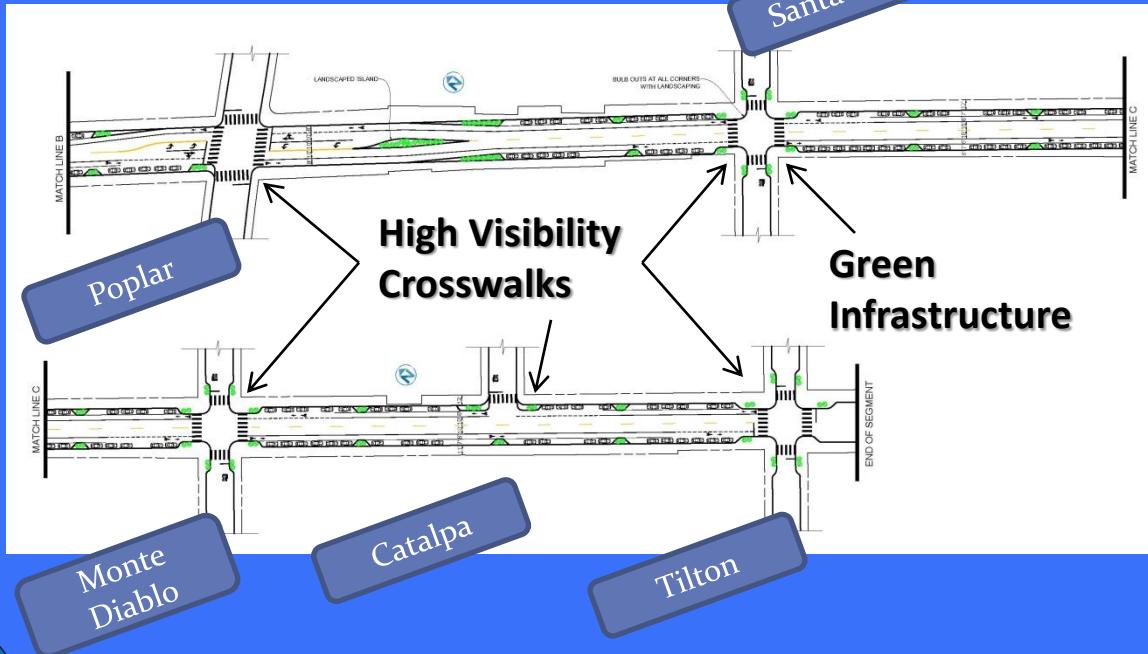
Through this segment:

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



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



Road Diet Impacts – Traffic Analysis

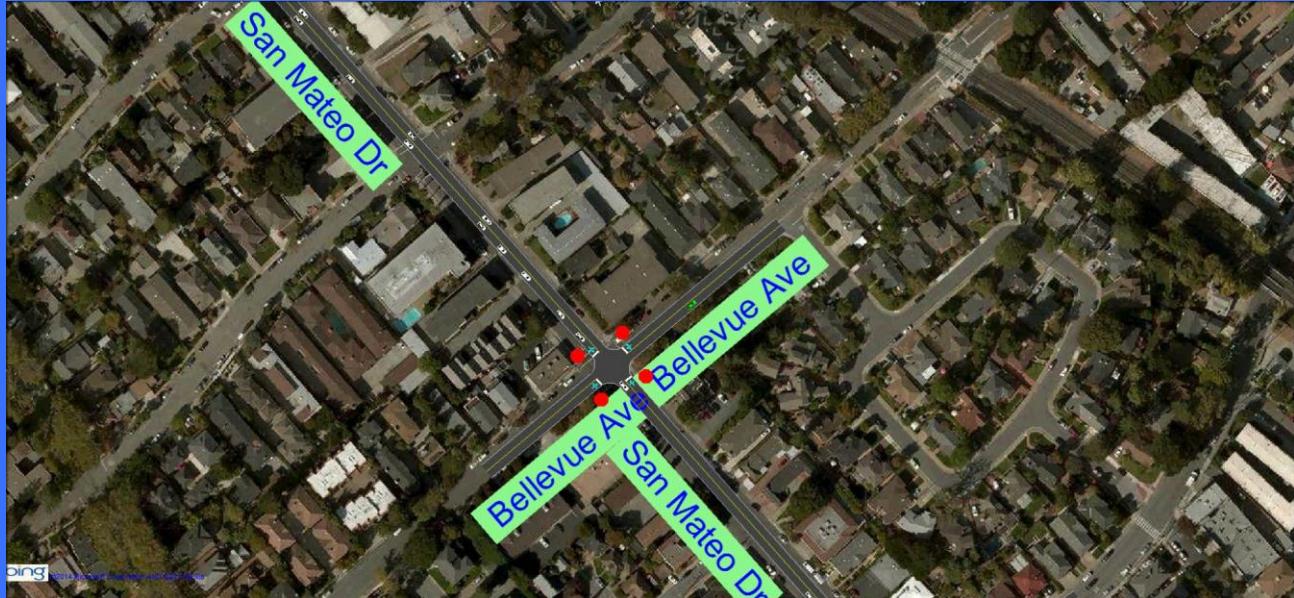
Traffic analysis performed October 2015 for this project

- **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



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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



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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



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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