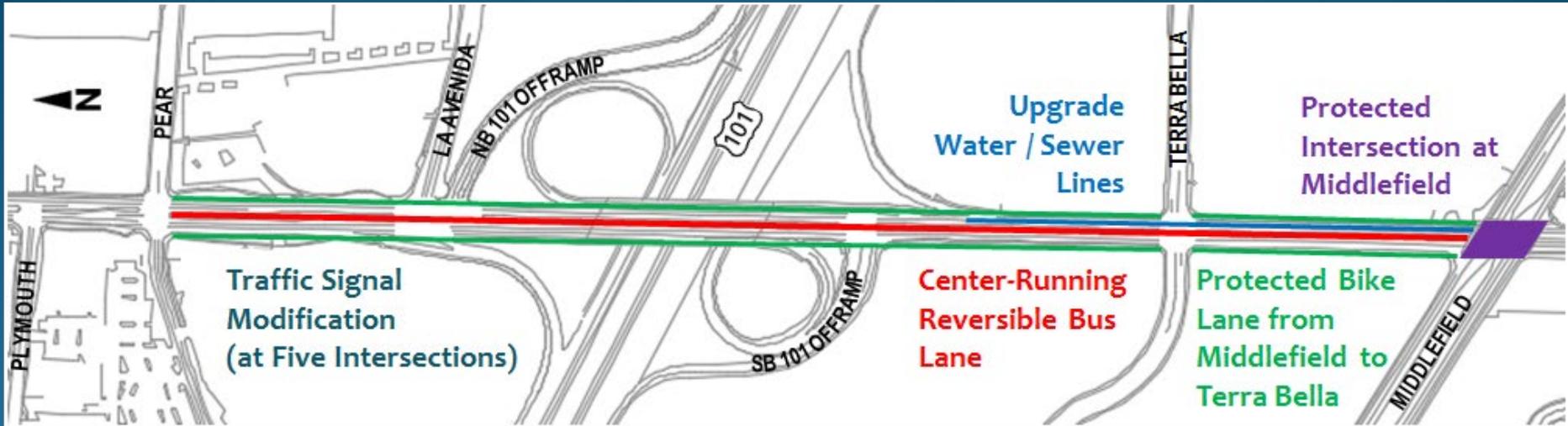




Shoreline Blvd Bus Lane & Utility Improvements, Project 16-58

City Council Meeting
September 6, 2016

Project Overview

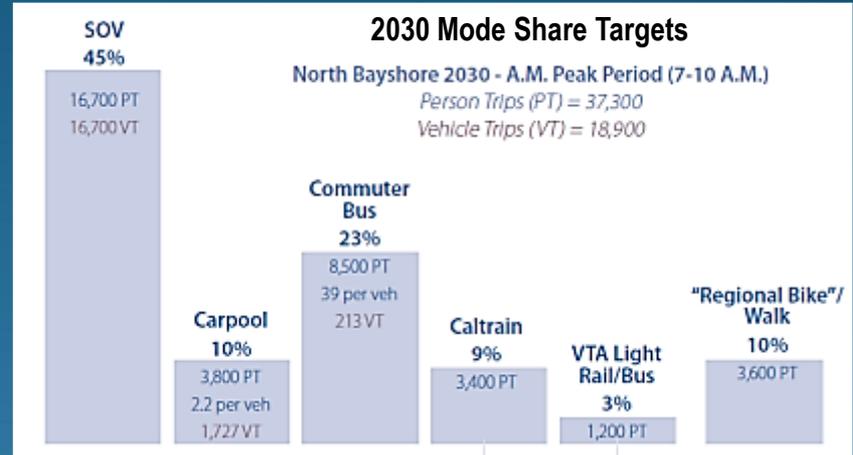


- Bus Lane Installation
- Bike Lane Improvements
- Pedestrian Improvements
- Utility Improvements

Project Purpose



Accommodate anticipated increases in employment and development in the North Bayshore



Provide infrastructure to support Council endorsed mode-share targets



Project Benefits

- Reduce Transit Travel Time
- Improve Transit Efficiency and Reliability
- Increase Bus Service Visibility
- Promote Ridership
- Improve Safety for Bicyclists and Pedestrians
- Support Multiple Modes of Travel

Bus Lane



Example Bus Lane in Sacramento

Transit / Shuttle Buses



Private
Employer
Shuttles



MVgo
Shuttles



Community
Shuttles



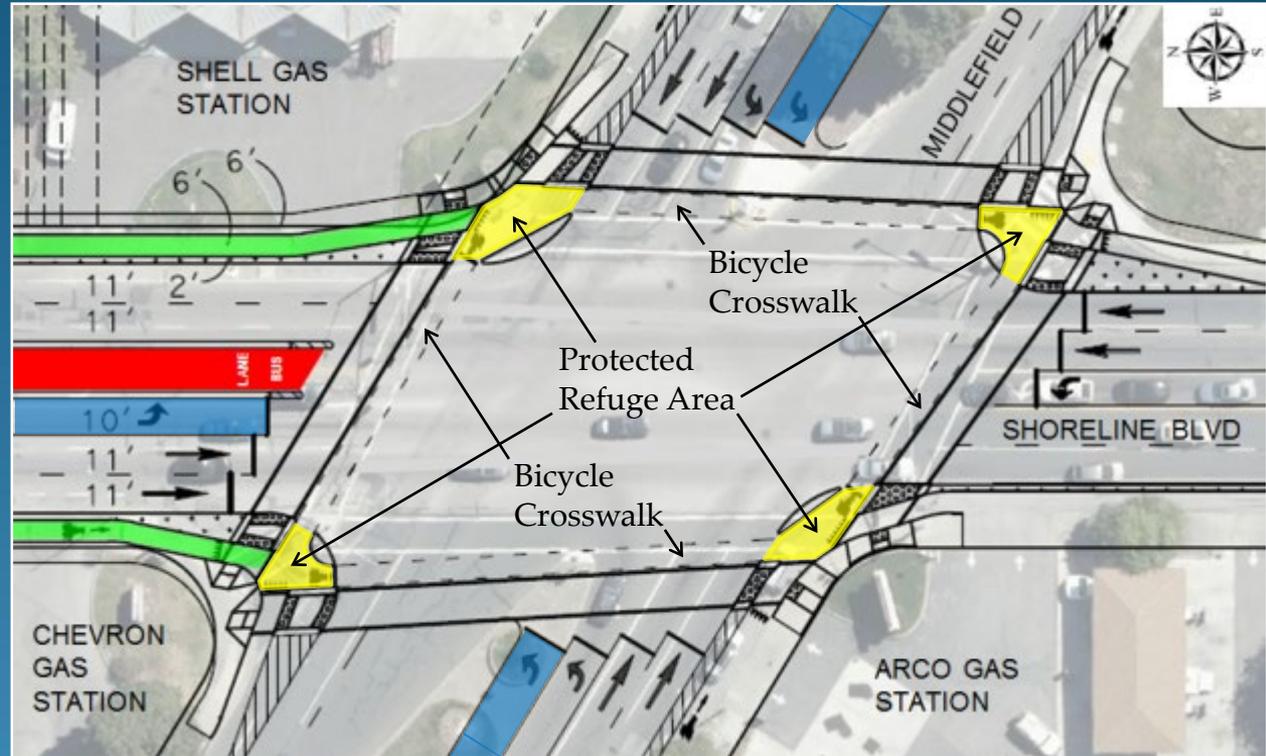
VTA
Buses



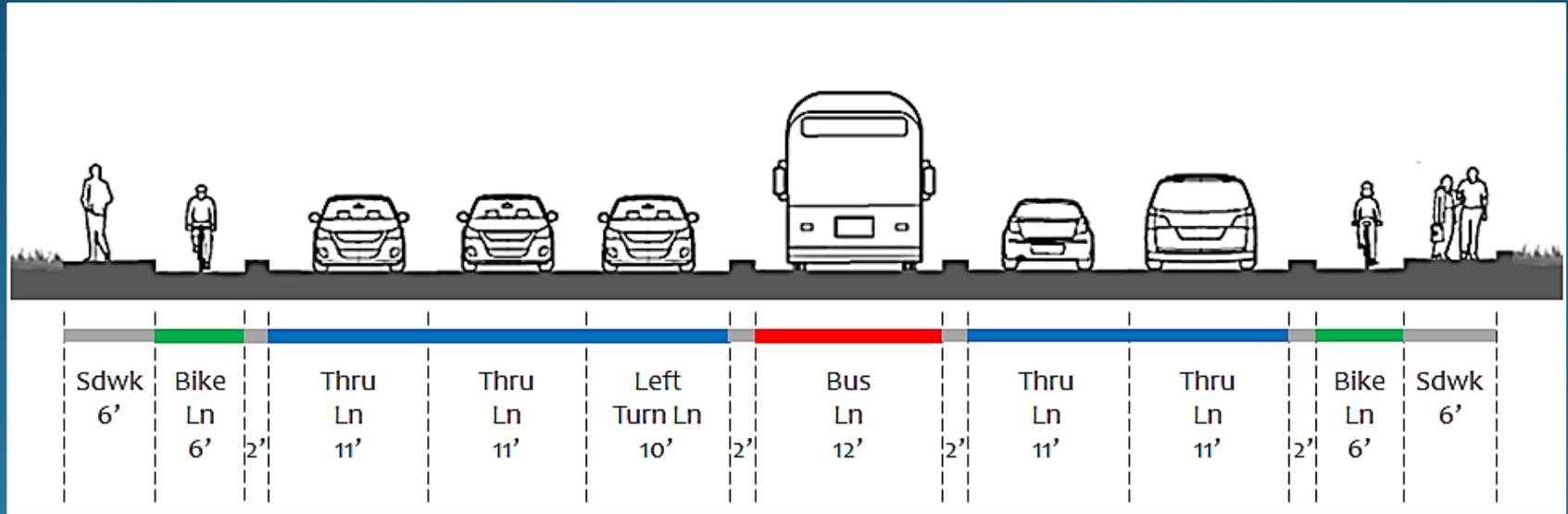
Middlefield Intersection

Protected Intersection:

- Provides protected bicycle refuge areas and dedicated bicycle crosswalks
- Places pedestrians & bicyclists ahead of vehicles
- Reduces crossing distance

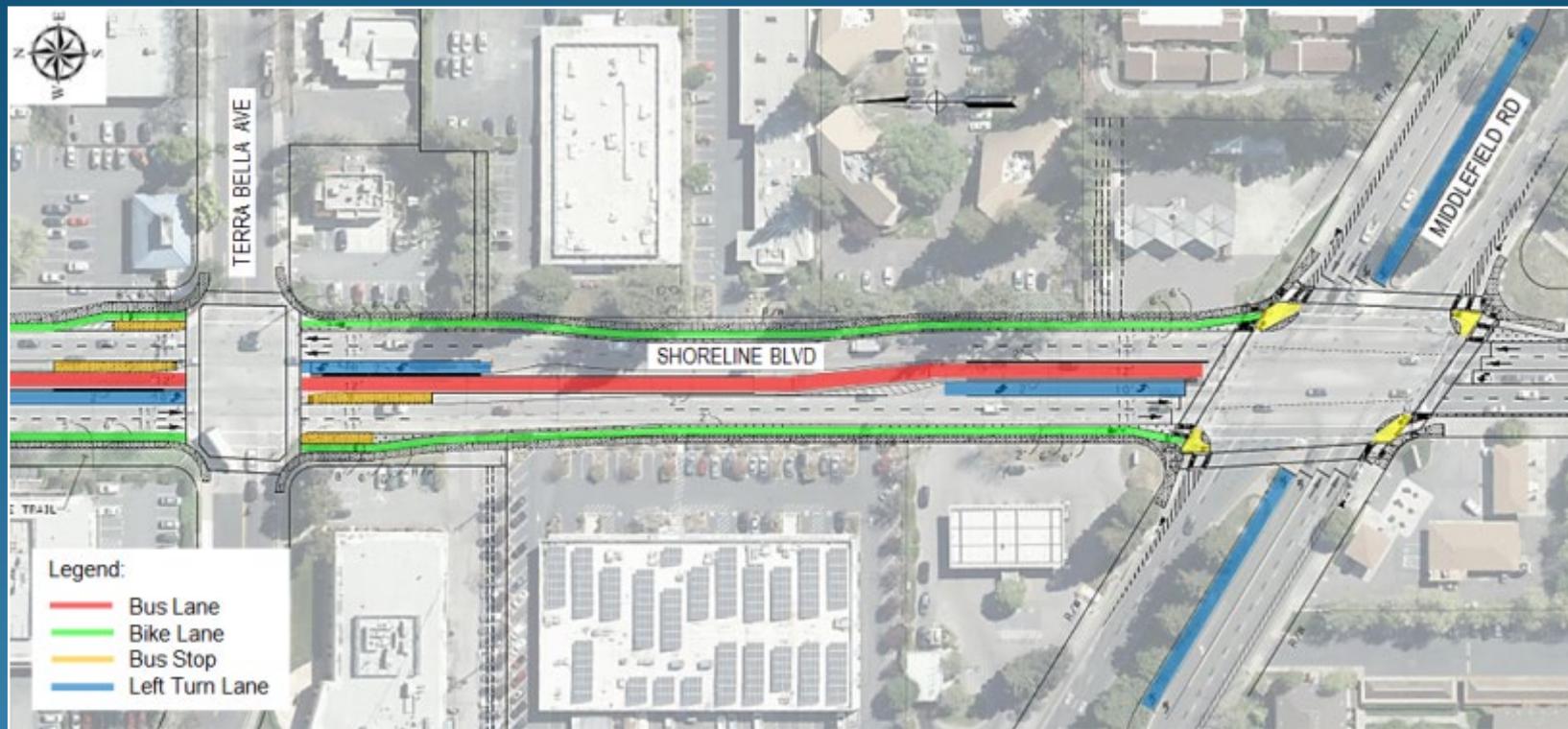


Middlefield Intersection

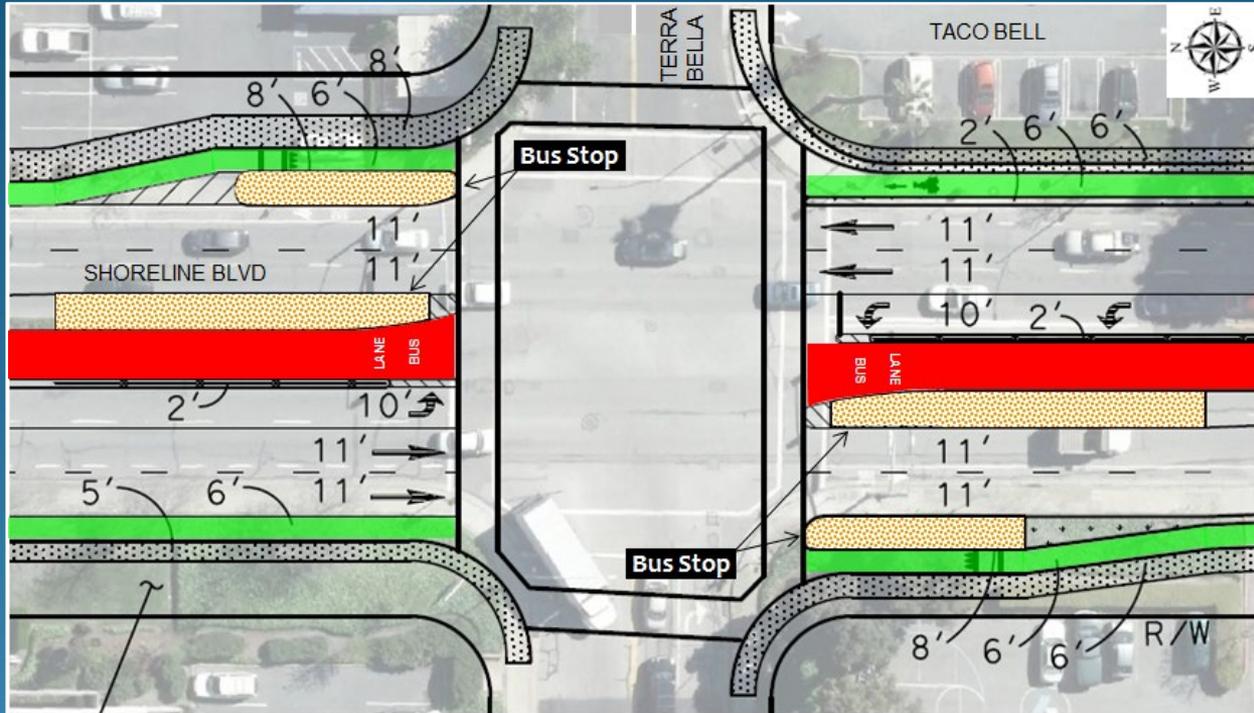


Cross Section of Shoreline at Middlefield (Looking North)

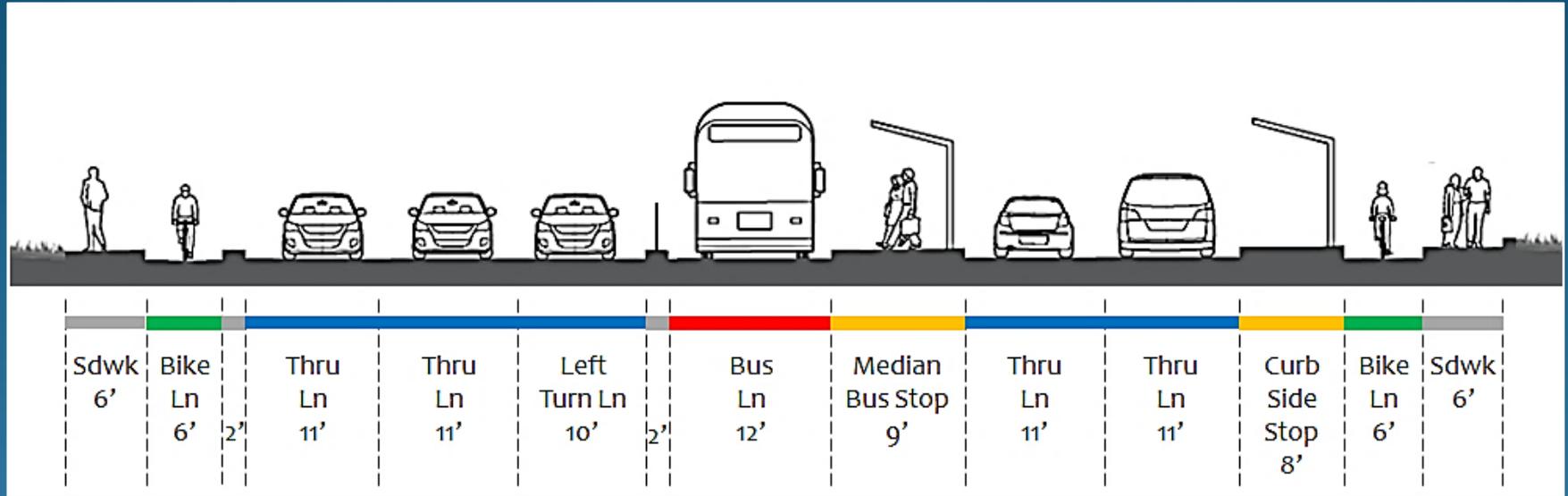
Middlefield to Terra Bella



Terra Bella Intersection



Terra Bella Intersection

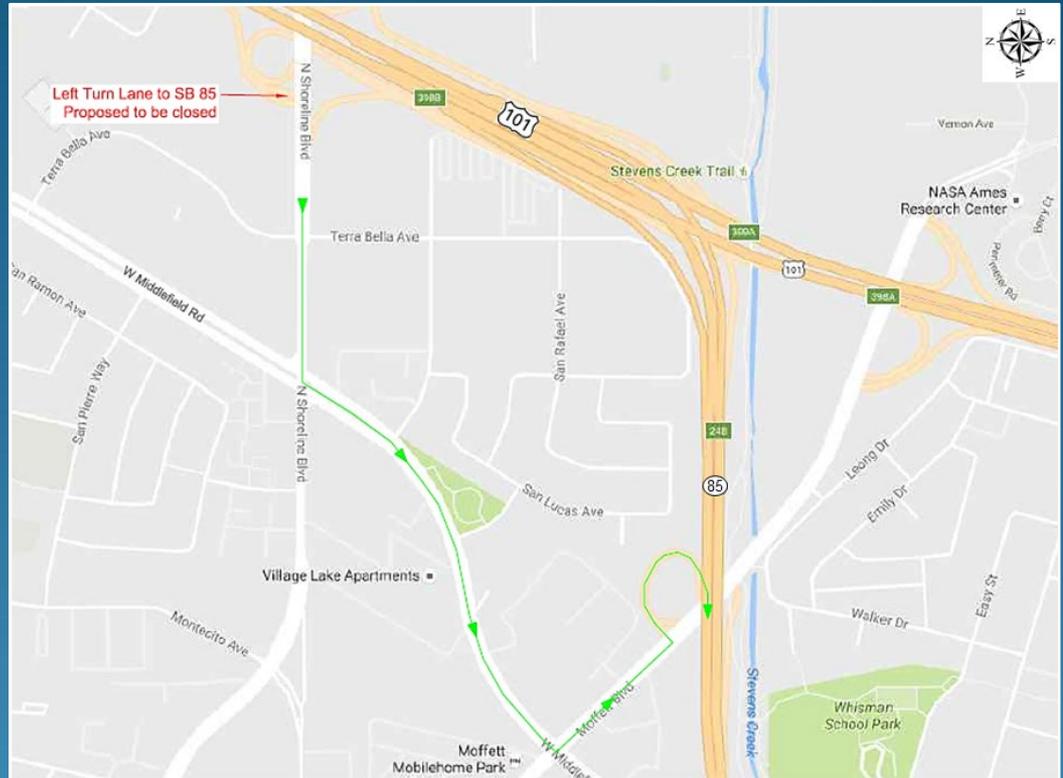


Cross Section of Shoreline at Terra Bella (Looking South)

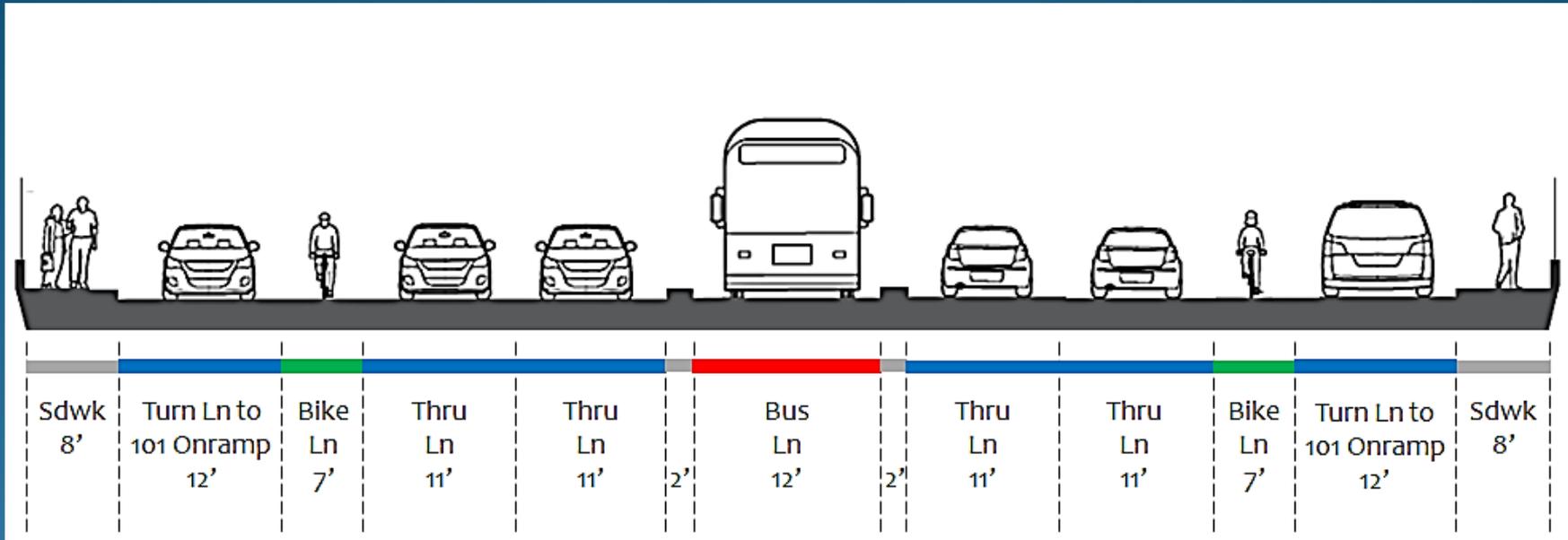
Alternate Route to Hwy 85

Alternate Route to
Highway 85:

SB Shoreline to
EB Middlefield to
NB Moffett

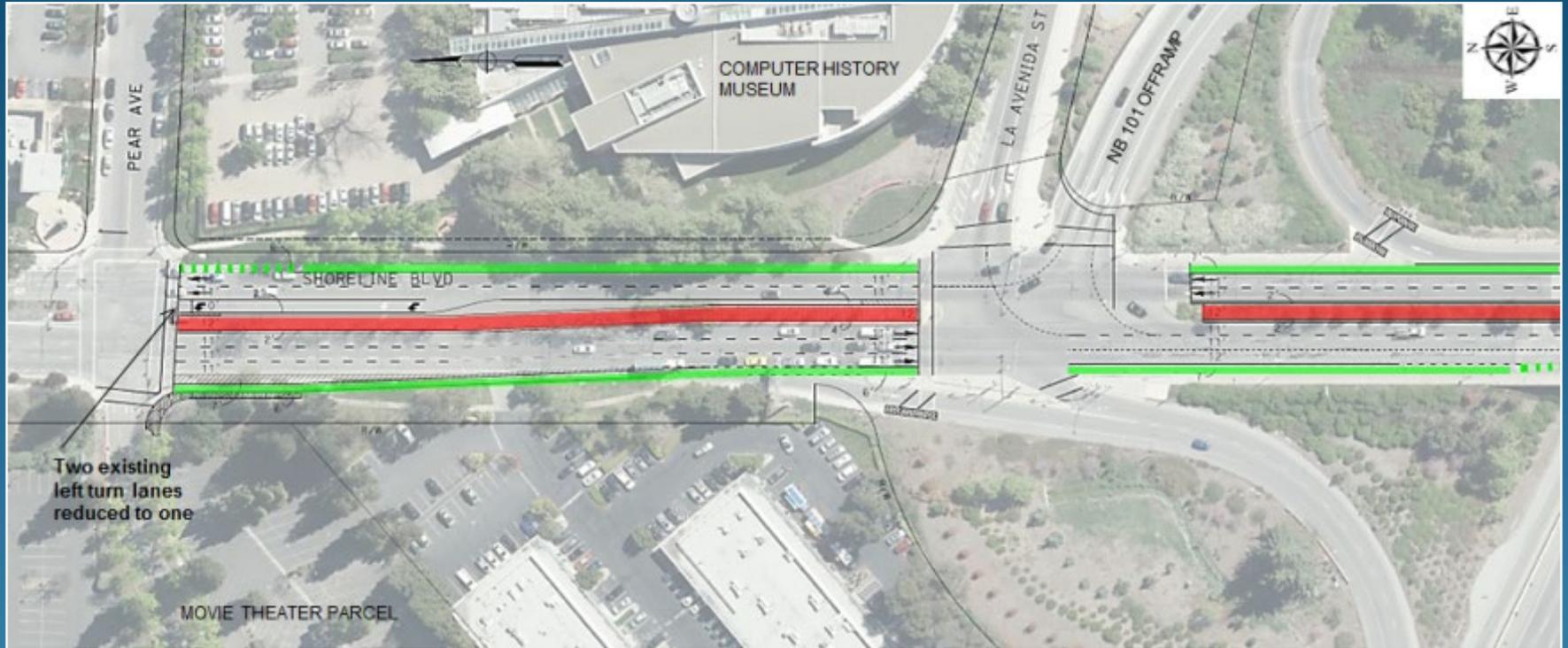


101 Overpass

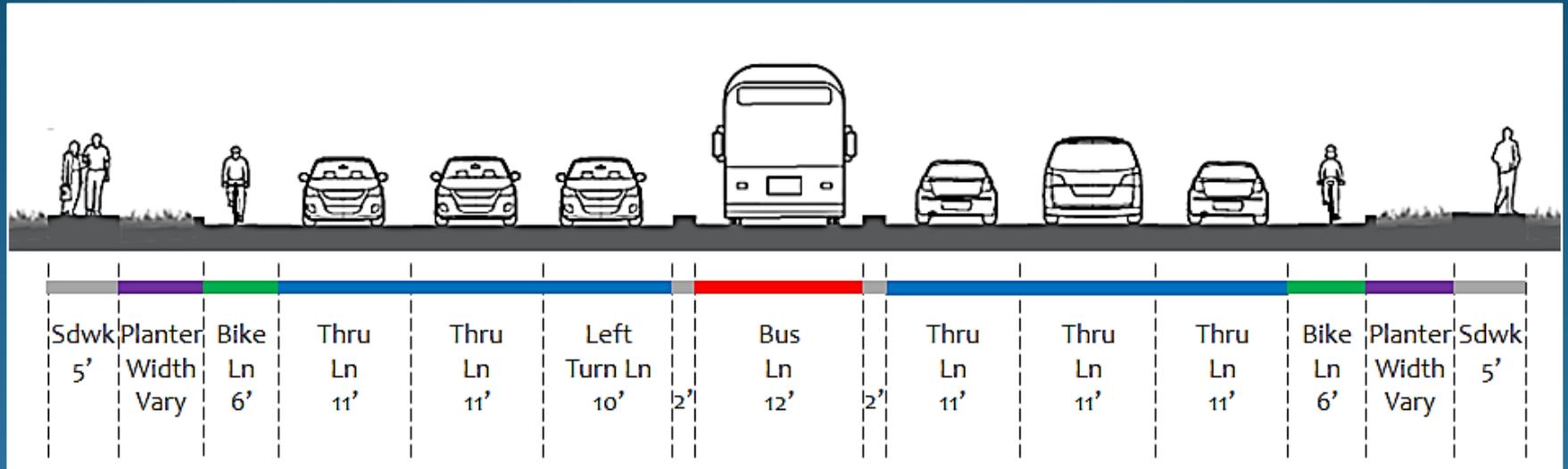


Cross Section of Shoreline on 101 Overpass

101 Overpass to Pear



Pear Intersection



Cross Section of Shoreline at Pear (Looking South)

Pear Intersection



Tree Impacts



East Side Shoreline Blvd



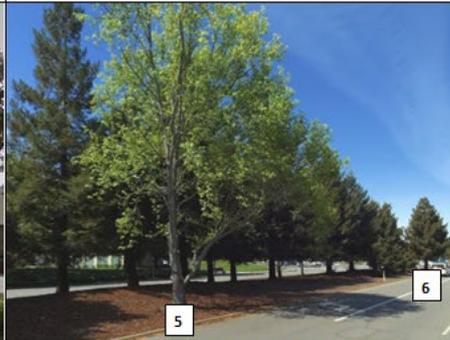
East Side Shoreline Blvd



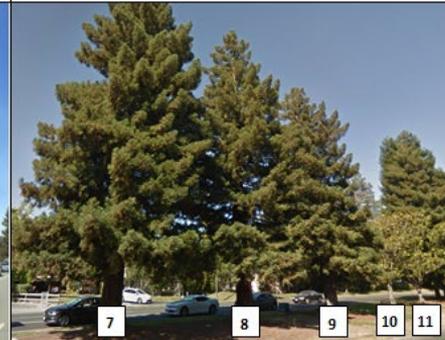
East Side Shoreline Blvd



West Side Shoreline Blvd



Middlefield Median East of Shoreline

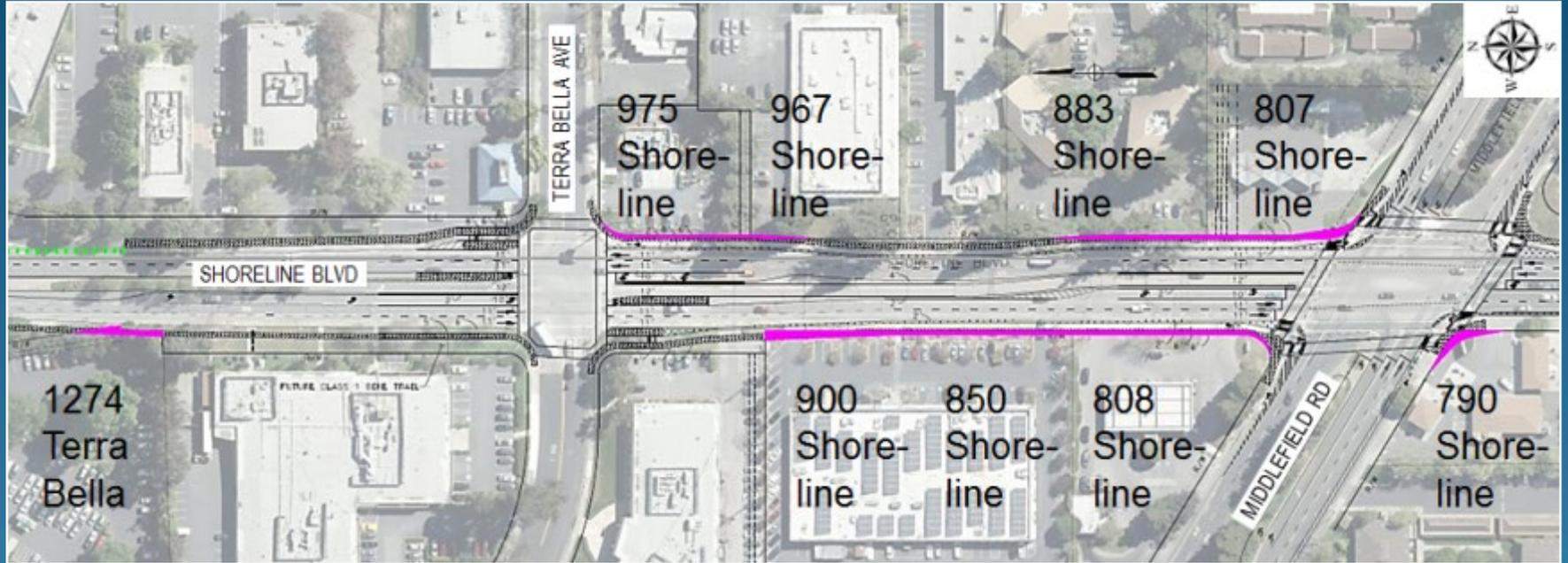


Middlefield Median West of Shoreline

Tree Impacts



Right-of-Way Impacts





Outreach Meetings

- Community meeting was held on July 27, 2016.
- Transit operator meeting was held on August 16, 2016.
- Staff met with property owners with right-of-way impacts who have responded to the City's request for individual meetings. Additional meetings will be scheduled.



Next Steps

- Work with Caltrans for project approval within State right-of-way.
- Additional outreach efforts with property owners with right-of-way impacts and review of bus operation design with transit operators.
- Return to Council in a future meeting with a budget estimate for the right-of-way acquisition and request authority and an appropriation to pursue acquisition.
- Return to Council at the completion of the final design for approval of Plans and Specifications.

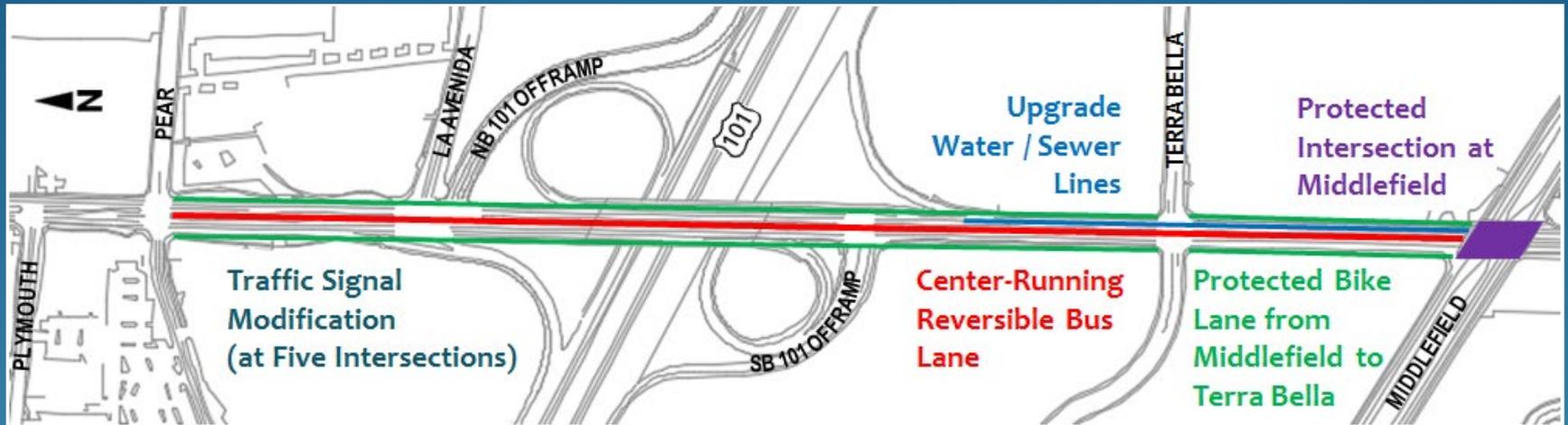


Project Cost/Schedule

- Total construction phase costs are estimated at \$12.5 million.
- Anticipated design completion in summer 2017 and construction start in late fall 2017 with estimated construction duration of two years.

Recommendation

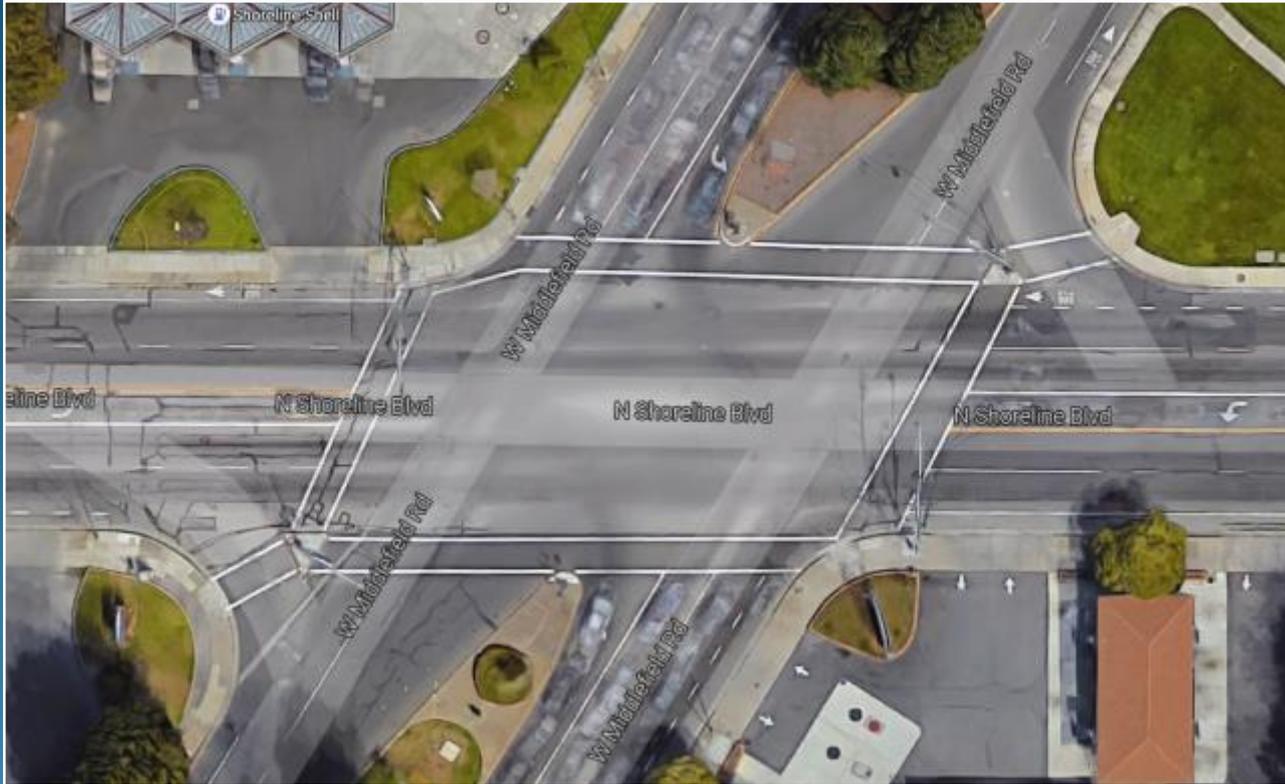
Staff is recommending and seeking City Council's approval of the proposed conceptual design and the amendment to professional services agreement to complete the design.





End of Presentation

Existing Condition at Middlefield



Sample Protected Intersection



Recycled Water Alternatives

