



Mathilda Bike Lane Study

Sunnyvale Bicycle and Pedestrian Advisory Commission

Aug. 21, 2025



Project Overview



SB Mathilda Avenue Bike Lane Study from US 101 SB Off-Ramp to Maude Avenue



Project Limits

Southbound Mathilda Ave. between SB US 101 Off-Ramp and Maude Ave.



Southbound Mathilda Ave.

Project Objectives

- Close a gap for bicyclists by installing new Class IIB buffered bike lane
 - ◆ Match existing Northbound configuration
 - ◆ Separate bicyclists from vehicular traffic
- Expand citywide bicycle network



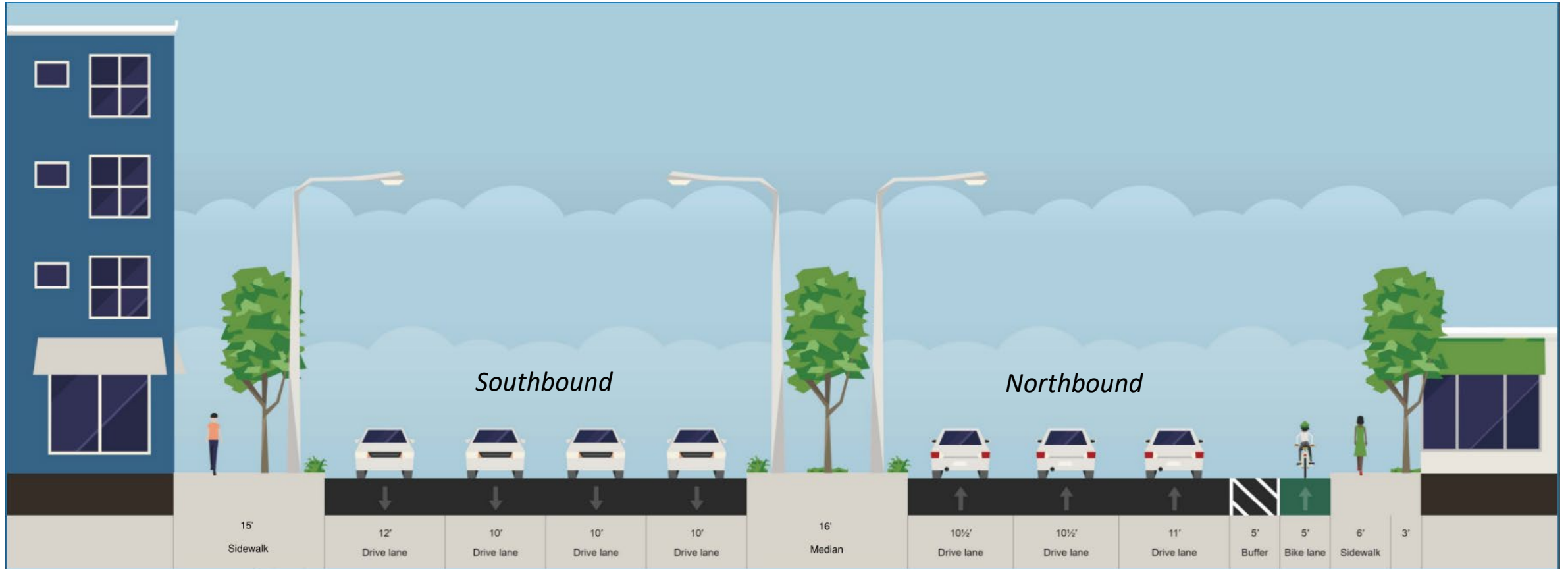
Project Background

- **Sunnyvale Active Transportation Plan** – Identified road diet within project limits and installation of Class IIB buffered bike lane
- **Valley Transportation Plan 2040** – Call for Bike Lanes between US 101 and El Camino Real
- **Sunnyvale Vizion Zero Plan** – Shows vehicular/bicycle collisions within studied segment; identifies Mathilda Ave. as high injury network
- **Peery Park Specific Plan** – Calls for bicycle related facilities to improve connectivity

Project Timeline



Existing Geometric Conditions



Existing Geometric Conditions

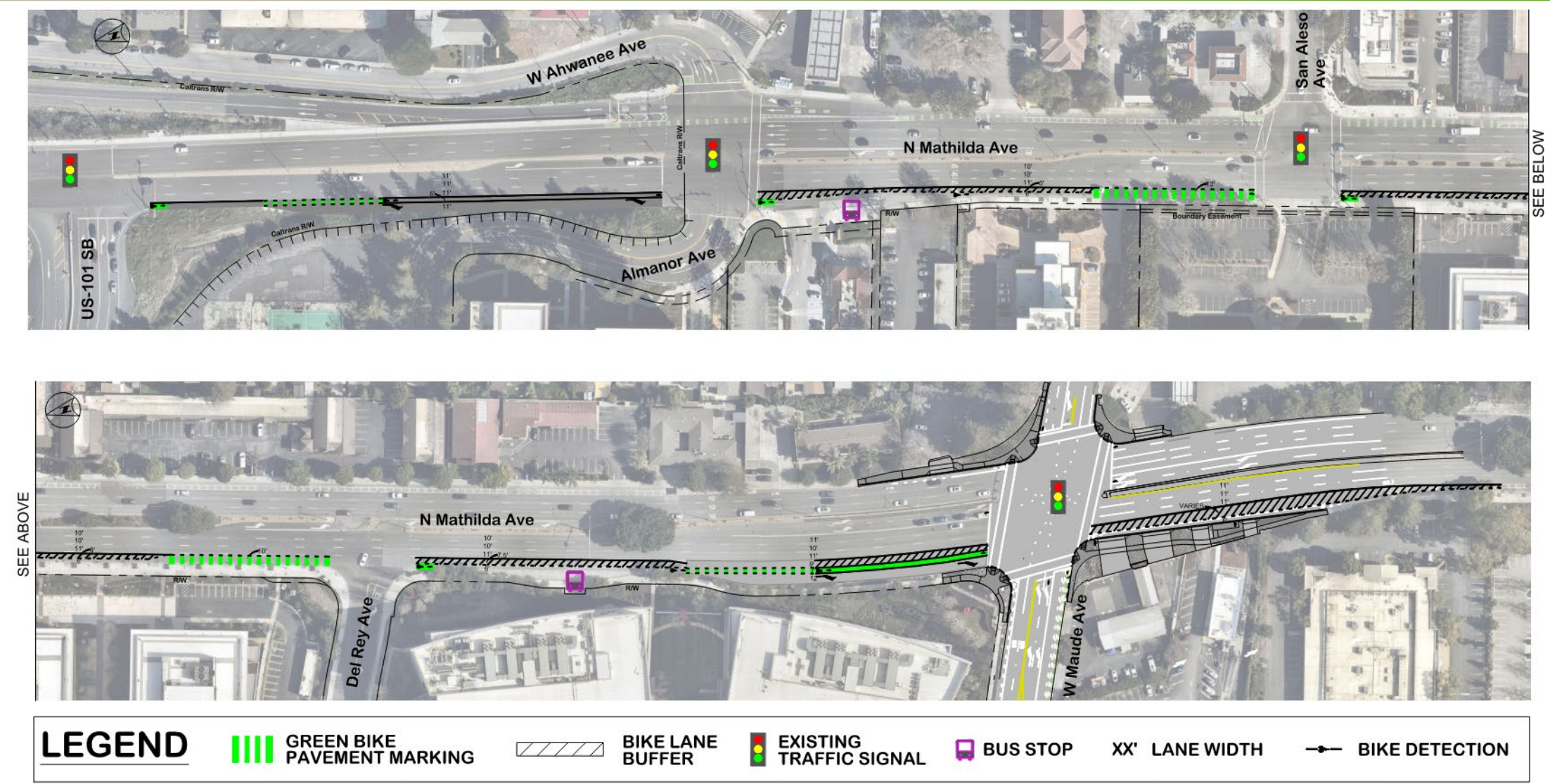


Southbound Mathilda Ave. – Four Vehicular Lanes

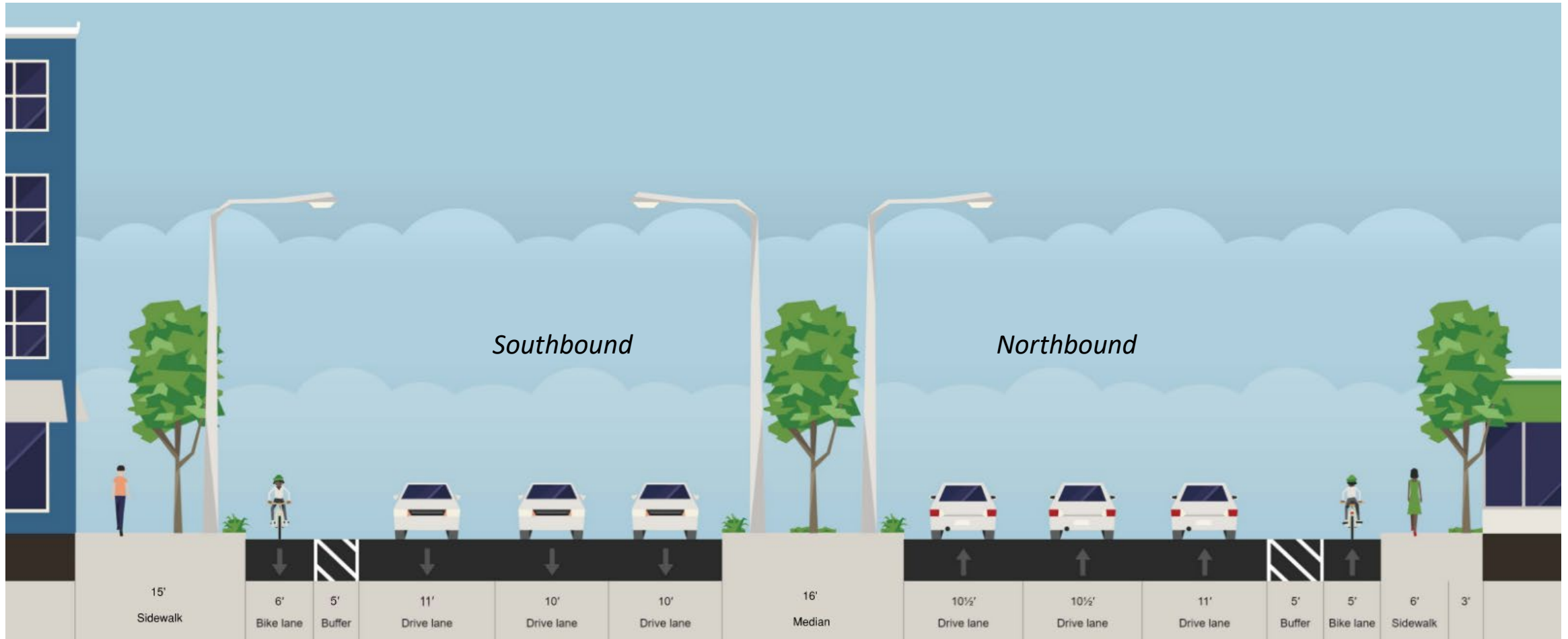


Northbound Mathilda Ave. Buffered Bike Lane

Proposed Concept Overview



Alternative 1: Class IIB Buffered Bicycle Lane



Proposed Cross-section between San Aleso Ave. and Del Rey Ave.

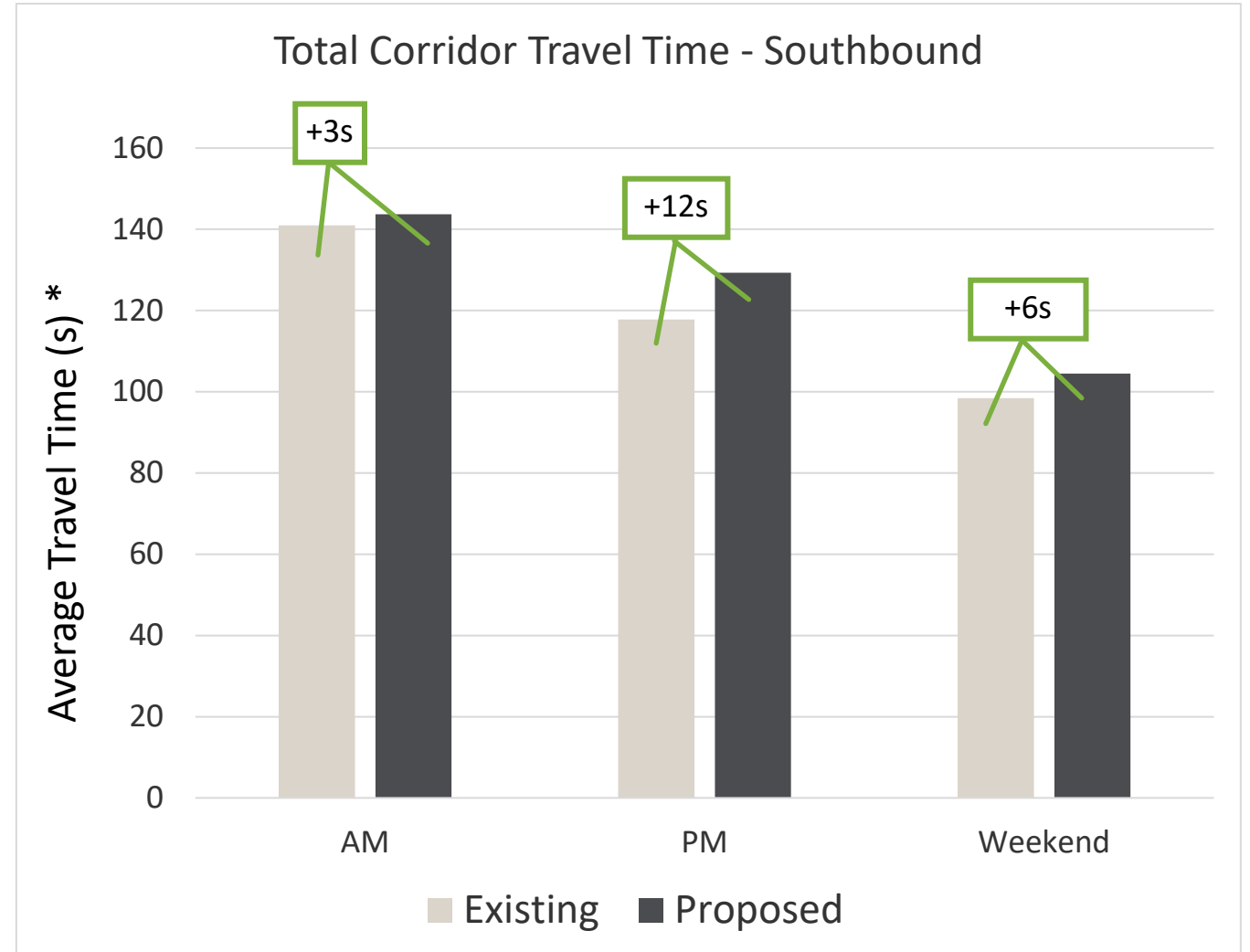
5-Year Collision Analysis (January 2019 – January 2024)



Vehicular Travel Time Comparison

Southbound Mathilda Ave.
between SB US 101 Ramp and
Maude Ave. (0.6 miles)

- Travel Time does not increase significantly with the proposed lane removal



* Note: Total travel time includes signal delay in seconds

Community Engagement to Date



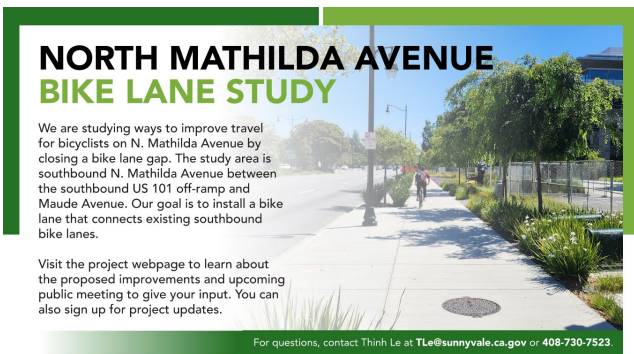
Pop-up tabling event at Plaza del Sol

City-hosted engagement opportunities:

- ✓ Two hybrid in-person/virtual community meetings (8/1/24 & 3/11/25)
- ✓ Presentations to BPAC (6/20/24)
- ✓ Two pop-up tabling activities
 - Plaza del Sol (2/27/25)
 - Sunnyvale Farmers Market (3/1/25)
- ✓ Online survey
- ✓ Second presentation to BPAC (7/17/25)



Pop-up stand at historic Murphy Avenue



Visit the project webpage at [Sunnyvale.ca.gov](https://www.sunnyvale.ca.gov)
(search: Transportation Projects)



Palm Card Distributed at Pop-up Meetings

Promoted the following ways:

- ✓ Email notifications to project's subscription list
- ✓ 84 Postcards mailed in the project study area
- ✓ Palm cards handed out at tabling events
- ✓ Digital advertisement (e.g. Facebook and NextDoor)
- ✓ Digital signage along Mathilda Avenue.



Deployed CMS sign

Online Survey Findings

- 94 respondents to the online survey
 - ◆ 30% live within 5 blocks of the project corridor
 - ◆ 70% drive solo or carpool when traveling along the corridor
 - ◆ 63 respondents said that the project would change how they travel in the area
 - 44 of them are currently driving, carpool, take transit, or walk

Cost Estimates

Alternative	Total Cost Estimate*
1 – Install New Class II Buffered Bike Lane	\$800,000
2 – Maintain Existing Conditions	\$0

* Cost includes design, administration, and construction

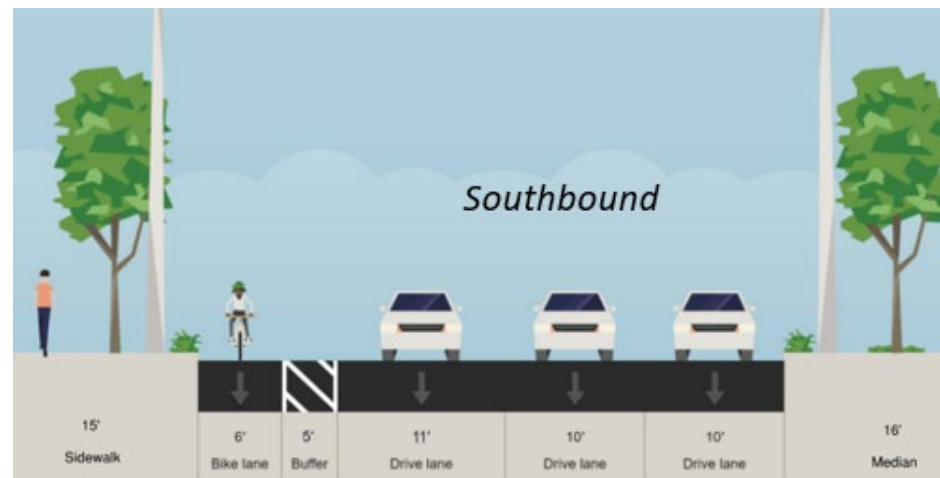


Recommendation to City Council

Recommendation to City Council

Staff Recommendation

- Alternative 1: Recommend to City Council to approve the Design Alternative 1 to remove one southbound travel lane and install a Class IIB Buffered Bicycle Lane on southbound Mathilda Avenue between Ahwanee Avenue/Almanor Avenue and Maude Avenue, find that the action is exempt from CEQA pursuant to CEQA Guideline Section 15301(c), and direct staff to include the proposed improvements as a future unfunded project.





Kimley»Horn

Thank you!

