



Kimley»»Horn

Mathilda Bike Lane Study

Sunnyvale City Council

October 21, 2025



Project Overview



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



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



Project Overview

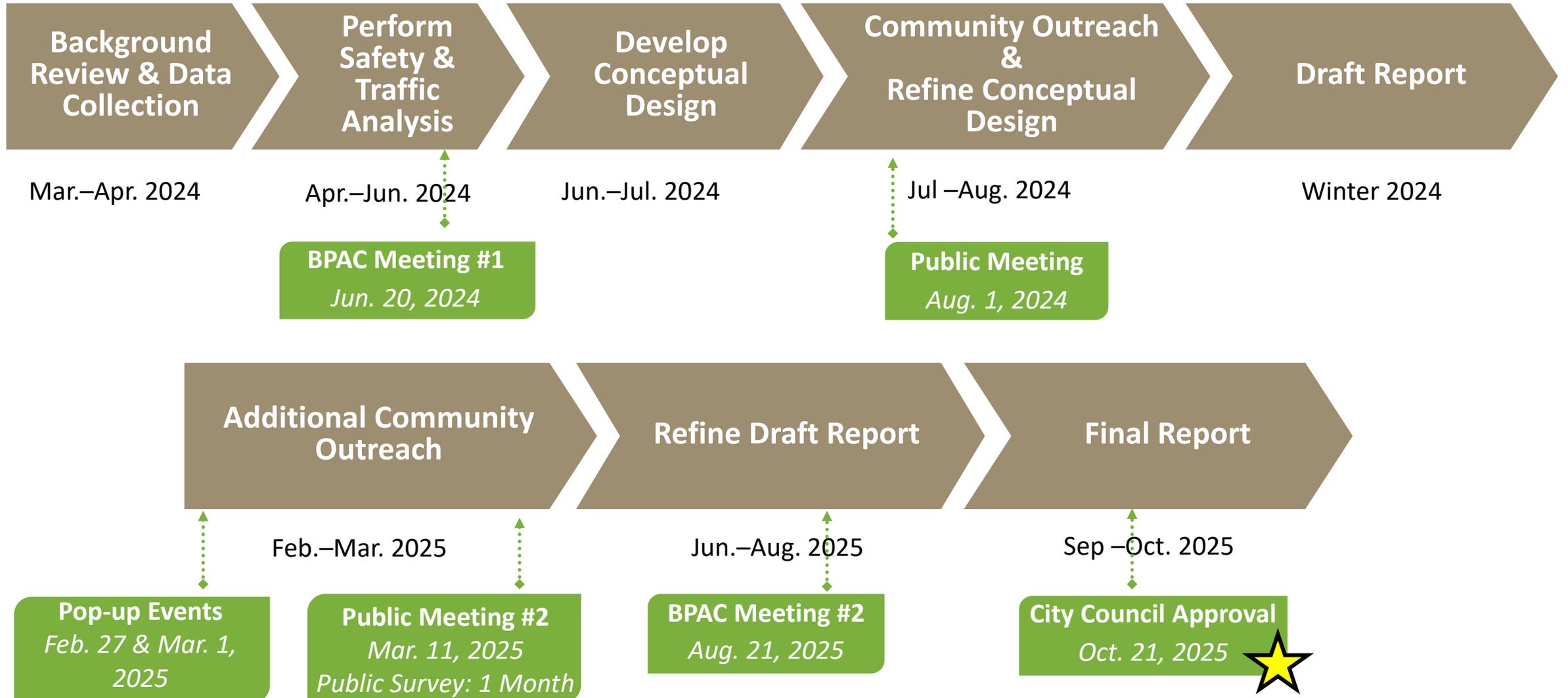


Existing conditions: Southbound Mathilda Ave. –
Four Vehicular Lanes



Proposed to match: Northbound Mathilda Ave.
Buffered Bike Lane

Project Timeline



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
(search: Transportation Projects)  Sunnyvale

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

Study Findings

- Collision analysis (January 2019 – January 2024)
- Vehicular travel times
- Online survey
- 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

Note: Study paid for by CIP 836200 Bicycle Improvements Planning Study



Sunnyvale

BPAC Recommendation

BPAC Recommendation to City Council

Motion Approved 6-0, 1 Commissioner Vacancy

- **Implement Alternative 1:**

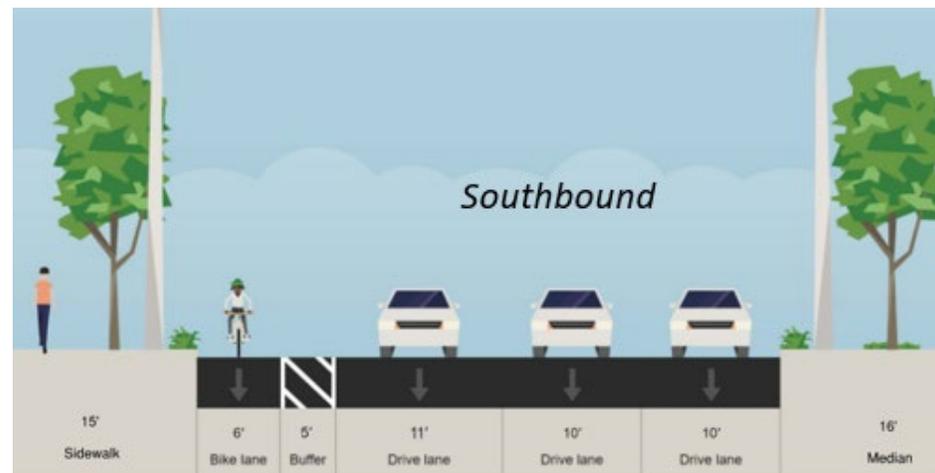
- ◆ To remove one southbound travel lane and install a Class IIB Bicycle Lane on southbound Mathilda Avenue between Ahwanee Avenue/Almanor Avenue and Maude Avenue, no comments on the CEQA and direct staff to consider upgrading to Class IV bicycle facilities during the design phase instead of Class IIB Bicycle facilities.

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.





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Thank you!



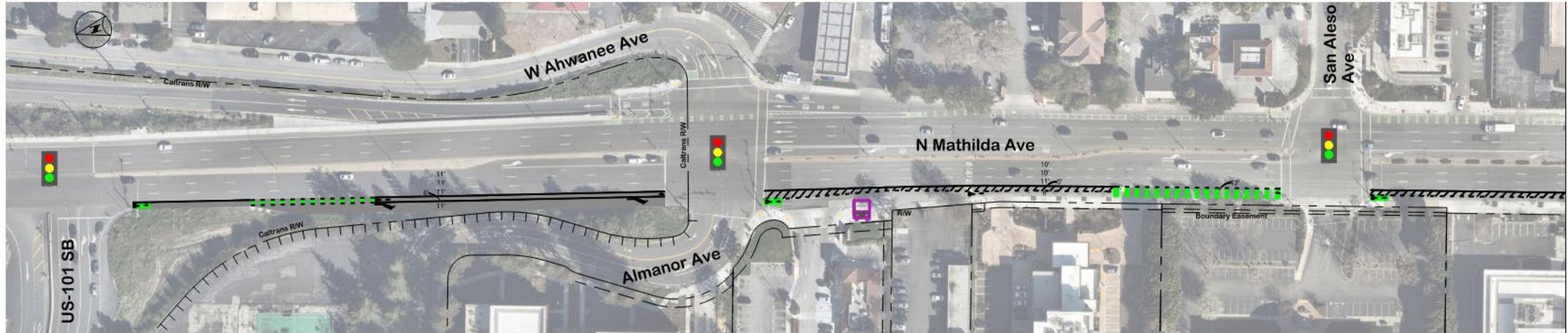


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Back up slides



Proposed Concept Overview



SEE BELOW



SEE ABOVE

LEGEND

	GREEN BIKE PAVEMENT MARKING		BIKE LANE BUFFER		EXISTING TRAFFIC SIGNAL		BUS STOP		LANE WIDTH		BIKE DETECTION
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