



Sunnyvale

# Voluntary Bicycle and Pedestrian Facility Improvements on Maude Avenue

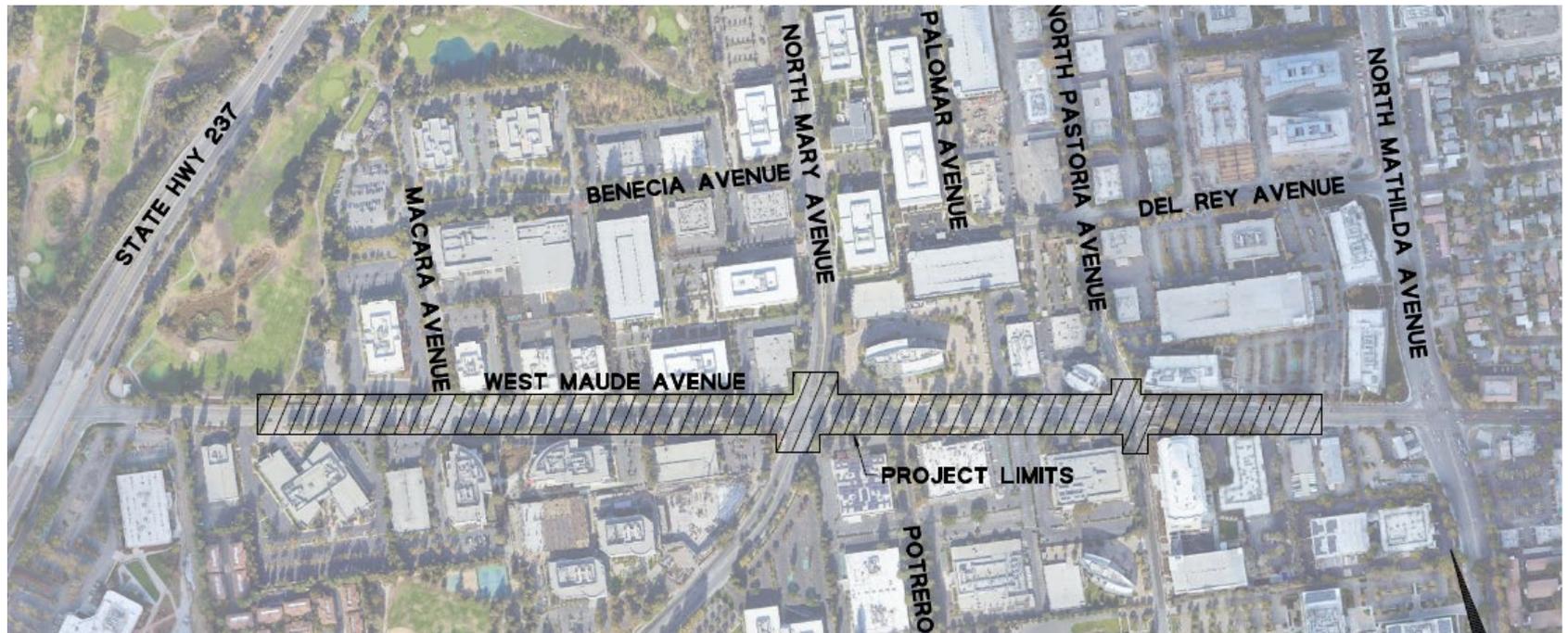
City Council  
December 7, 2021



# Project Overview

## LinkedIn Corporation

- ◆ Voluntary Bicycle and Pedestrian Improvements
- ◆ Maude Avenue between Sunnyvale/Mountain View City Limits and 400 feet West of Mathilda Avenue



# Existing Conditions on Maude Avenue

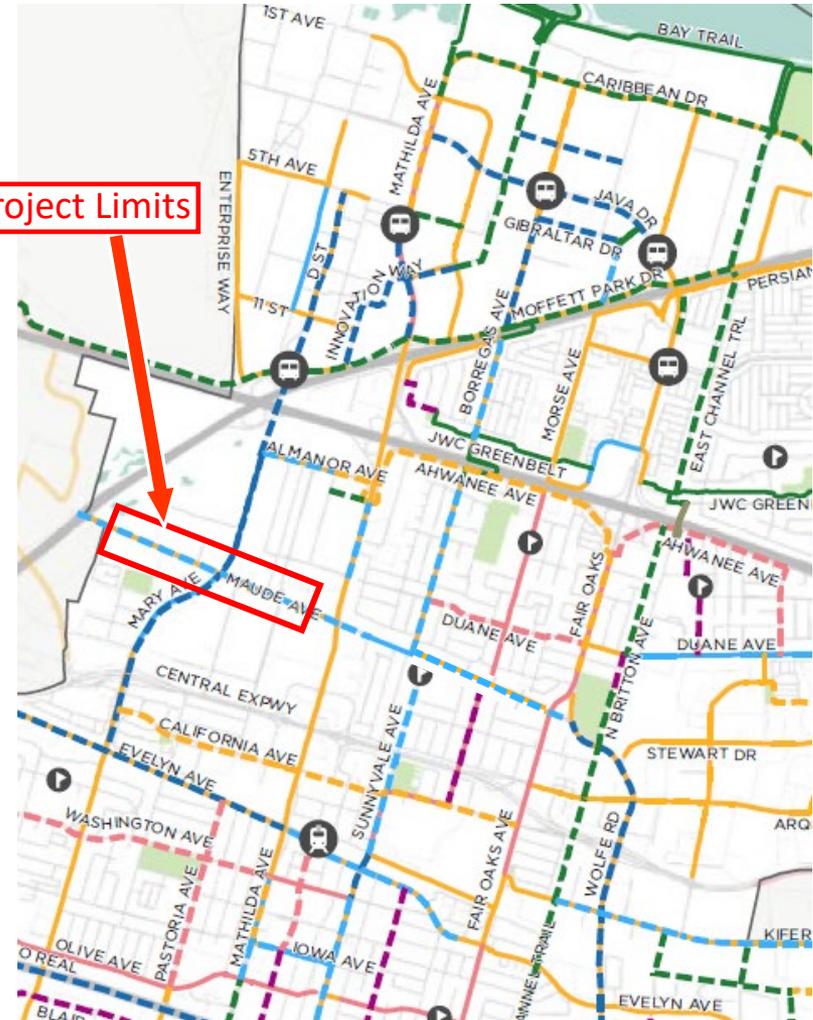
- Class II Bicycle Lane
- Access to Key Destinations
  - ◆ Peery Park Specific Plan Area – Office Land Use
  - ◆ To the west – Mountain View
  - ◆ To the east – Sunnyvale Residential/Employment Area



# Proposed Bicycle Improvements on Maude Avenue

- Peery Park Specific Plan
  - ◆ Improved Bike Lanes
- Active Transportation Plan
  - ◆ Upgrade to Class IIB Buffered Bicycle Lane

| EXISTING | PROPOSED                        |
|----------|---------------------------------|
|          | Class I Shared-Use Path         |
|          | Class II Bicycle Lane           |
|          | Class IIB Buffered Bicycle Lane |
|          | Class III Bicycle Route         |
|          | Class IIIB Bicycle Boulevard    |
|          | Class IV Separated Bikeway      |



*Proposed Bicycle Network*

# LinkedIn Voluntary Bicycle and Pedestrian Improvements

- Bicycle Improvements:
  - ◆ Upgrade Existing Class II Bicycle Lane to Class IIB Buffered Bicycle Lane
  - ◆ Two-Stage Turn Boxes at:
    - Maude Avenue/Macara Avenue
    - Maude Avenue/Mary Avenue
    - Maude Avenue/N. Pastoria Avenue



# LinkedIn Voluntary Bicycle and Pedestrian Improvements

- Pedestrian Improvements
  - ◆ Crosswalk
- Traffic Signal Enhancements
  - ◆ Upgrade Existing in-pavement loop detection to video detection system
- Narrow travel lane widths; number of lanes remain the same



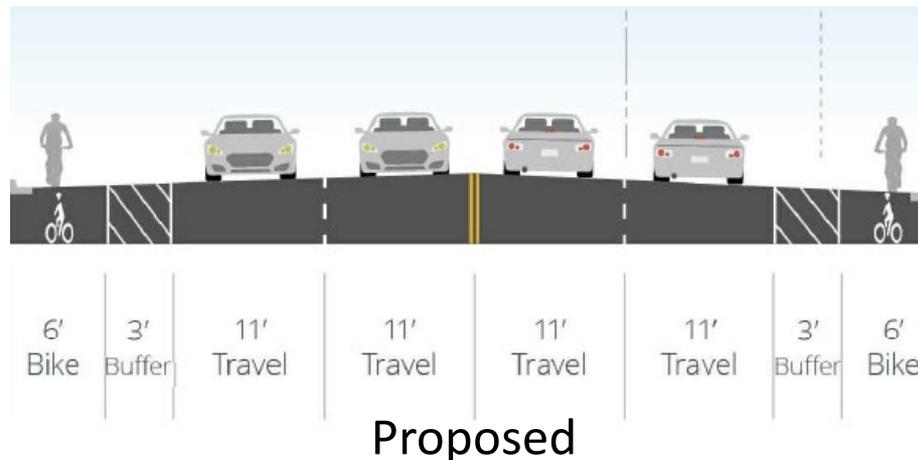
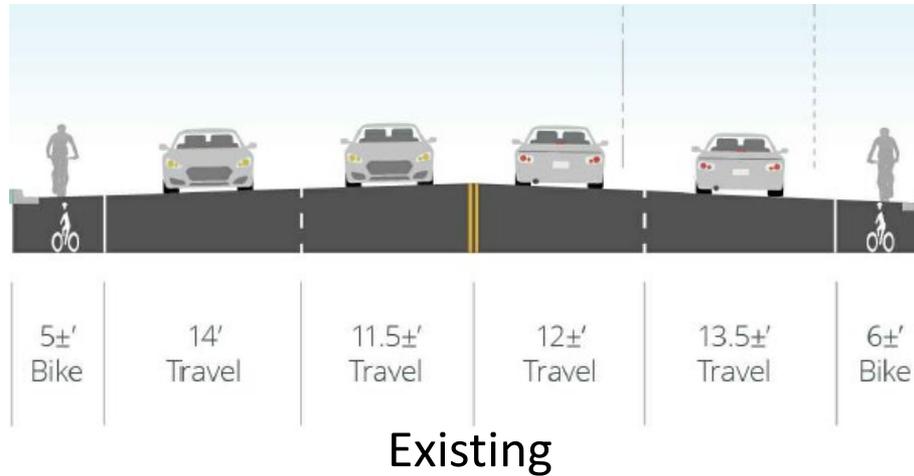
# LinkedIn Voluntary Bicycle and Pedestrian Improvements

- Estimated Construction Cost of \$1,180,000
- On-going Maintenance Cost
  - ◆ Buffered Bike Lanes/Crosswalk
    - \$630 in material cost/year
    - A 4-person crew 3 hours/year
  - ◆ Video Detection Camera Future Replacement
    - \$5,000/signalized intersection every 6-8 years
  - ◆ Slurry Seal
    - Extend lifespan by 3-5 years
  - ◆ Absorb by Existing Budgets and Staffing Resources



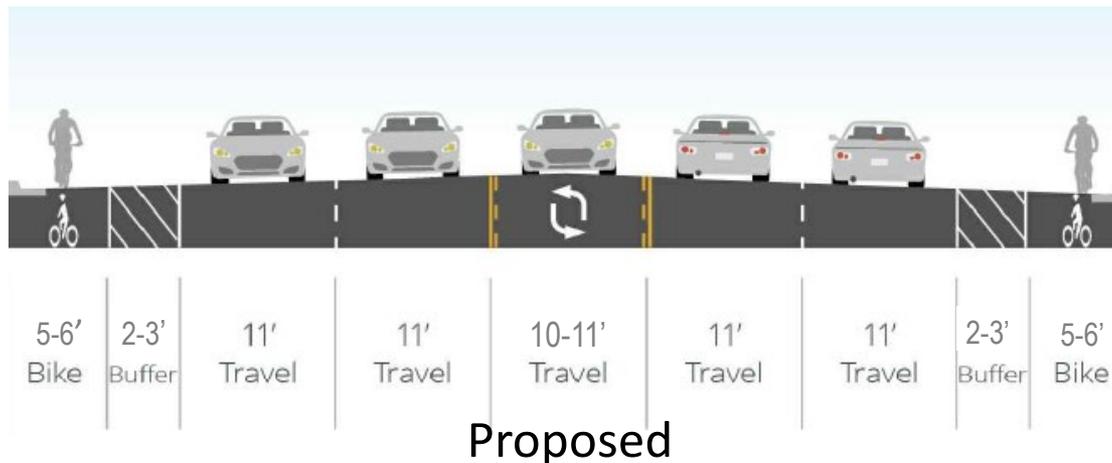
# Proposed Bicycle Improvements on Maude Ave.

## Typical Cross Section – West of Macara Avenue

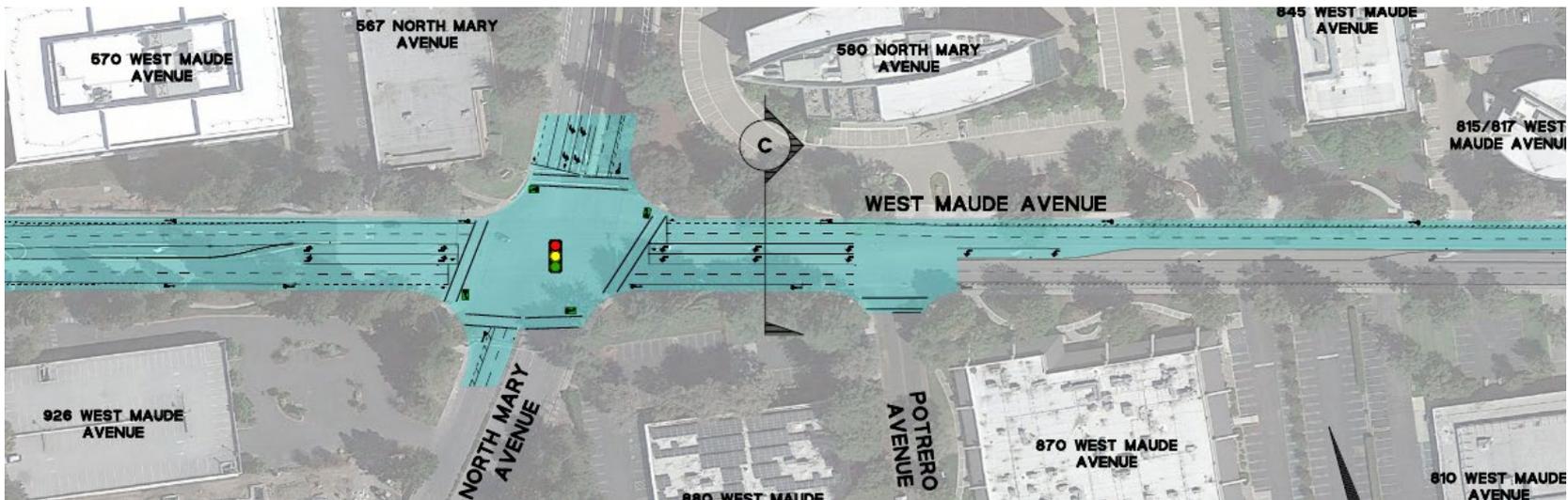
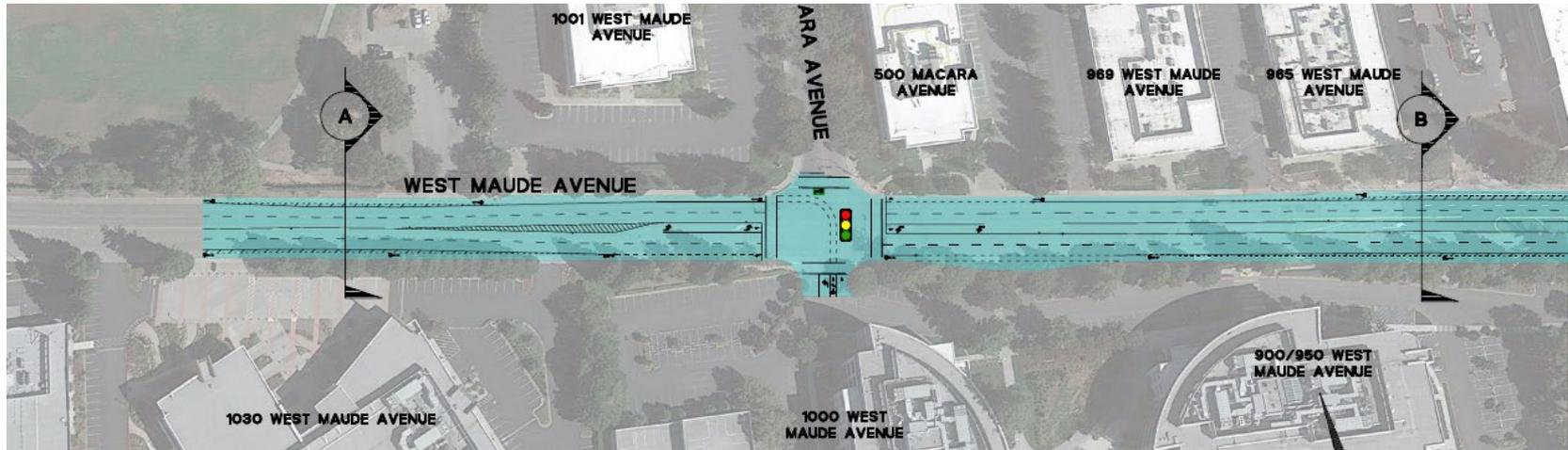


# Proposed Bicycle Improvements on Maude Ave.

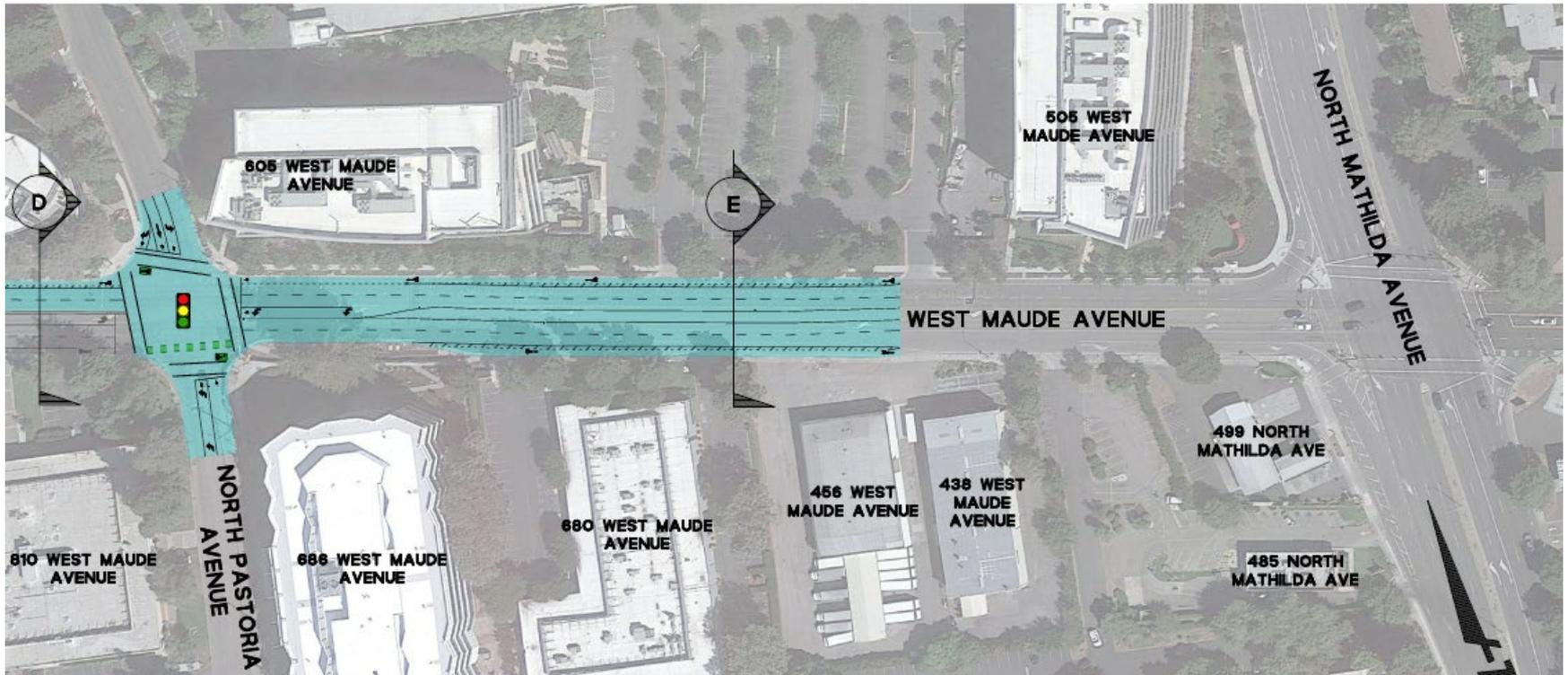
## Typical Cross Section – Between Macara Avenue and Mathilda Avenue



# Proposed Bicycle and Pedestrian Improvements on Maude Avenue



# Proposed Bicycle and Pedestrian Improvements on Maude Avenue





Sunnyvale

# Recommendation to City Council

# Recommendation to City Council

## Staff Recommendation

- Alternative 1: Accept LinkedIn's Donation of Voluntary Bicycle and Pedestrian Facility Improvements on Maude Avenue between Sunnyvale/Mountain View City Limits and Approximately 400 Feet West of North Mathilda Avenue with an Estimated Construction Cost of \$1,180,000 and Finding of Exemption from the California Environmental Quality Act (CEQA) pursuant to CEQA Guidelines Section 15301 (c) for existing streets, sidewalks, bicycle lanes and facilities involving negligible or no expansion and that does not create additional automobile lanes.



Thank you!