



Lake Merced Quick-Build Project

SFMTA Board of Directors

December 6, 2022

Agenda

Project Goals

Background

Related Studies/Projects

Outreach

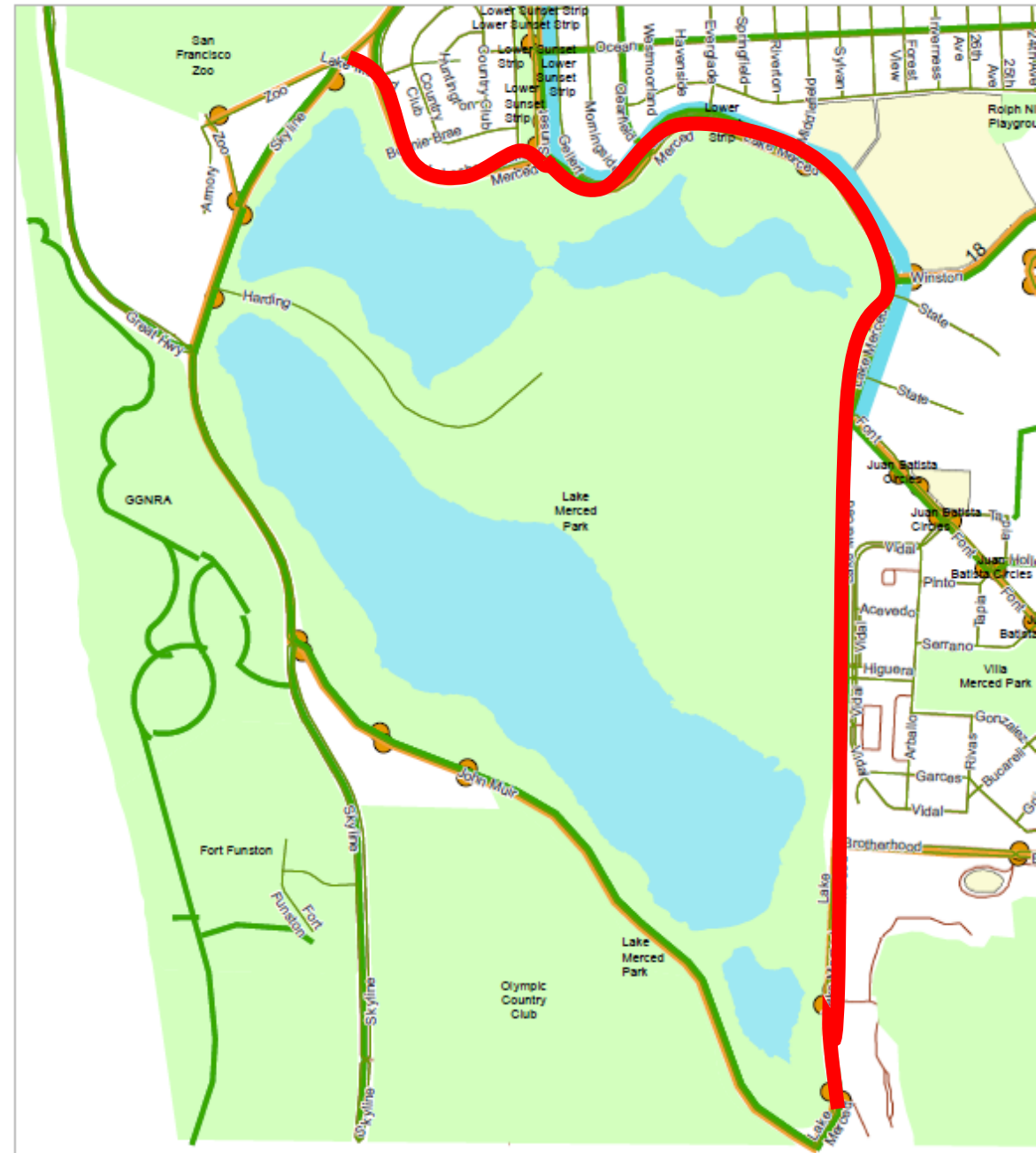
Design Proposals



Project Goals

Redesign Lake Merced Boulevard from **Skyline Boulevard to John Muir Drive**, with two principal goals:

- Install traffic calming improvements to reduce collisions and improve comfort for all travelers along Lake Merced Boulevard
- Implement safe pedestrian and bicycle connections to or along Lake Merced Boulevard



Background: Speeds and Collisions

Lake Merced 85th Percentile Speeds

Location	Year	Speed Limit	NB/EB	SB/WB
Lake Merced Blvd between Skyline and Sunset Blvd	2020	35	39	41
Lake Merced Blvd between Higuera Ave and Font Blvd	2019	40	44	45

85th Percentile Speed= the speed at or below which 85% of all vehicles are observed to travel under free-flowing conditions past a monitored point.

Collision History

Lake Merced Boulevard between Font and Sunset boulevards is part of the City's **High Injury Network**, or the 13% of streets that disproportionately account for 75% of severe and fatal traffic collisions.

Between 2016 and 2021, **89** collisions occurred in the project corridor and resulted in **87** injury collisions.

30% of reported incidents cite **unsafe speeds** as a primary factor of the collision.

Of those 89 crashes, **5** involved a bicyclist and a vehicle and **6** involved pedestrians and vehicles. There were two 2 pedestrian fatalities in 2017 and 2021.

Related Studies

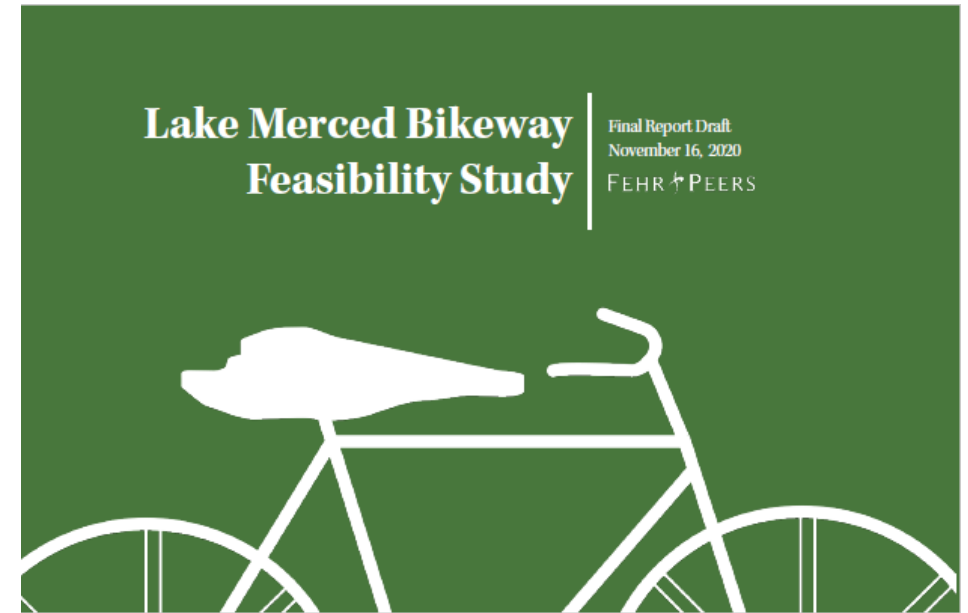
Lake Merced Bikeway Feasibility Study (January 2021)

Recommended options for relieving congestion on the multi-use pathway around the lake through near-term options for adding bikeways at road-level and through long-term options for widening the multi-use pathway

Lake Merced Pedestrian Community Based Transportation Plan (October 2021)

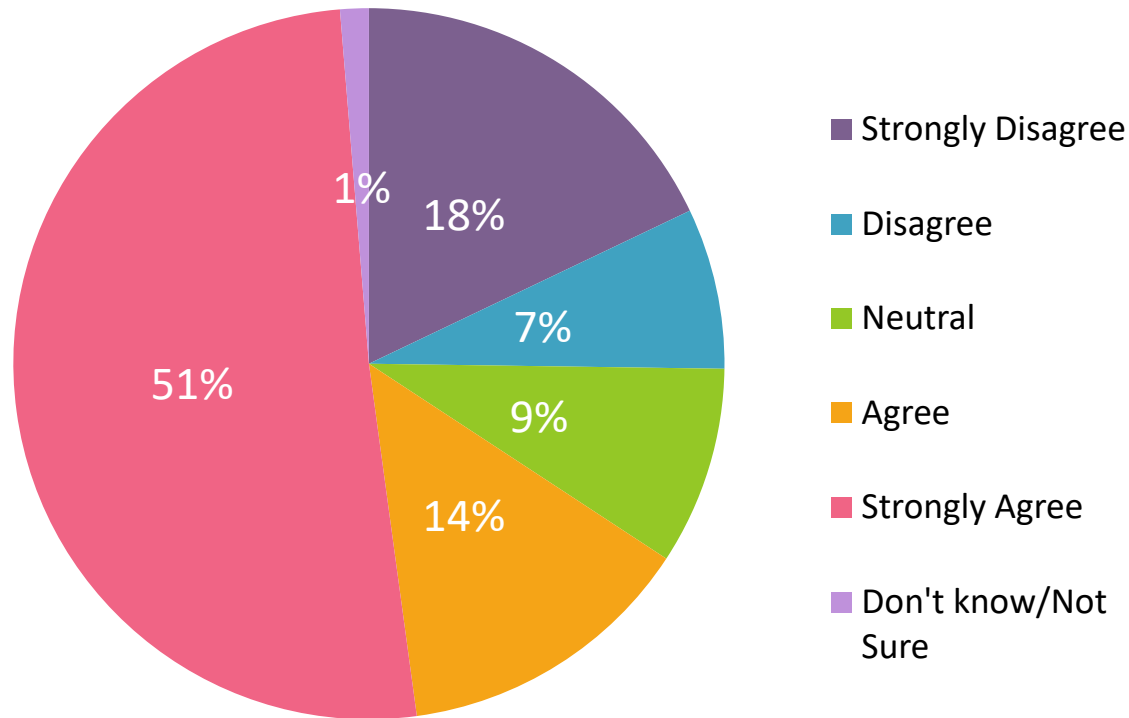
Provided community-based recommendations for both spot and corridor wide pedestrian safety improvements

Lake Merced Quick-Build incorporates many of the recommendations of these two plans to propose important traffic calming, bike, and pedestrian safety upgrades on the corridor.

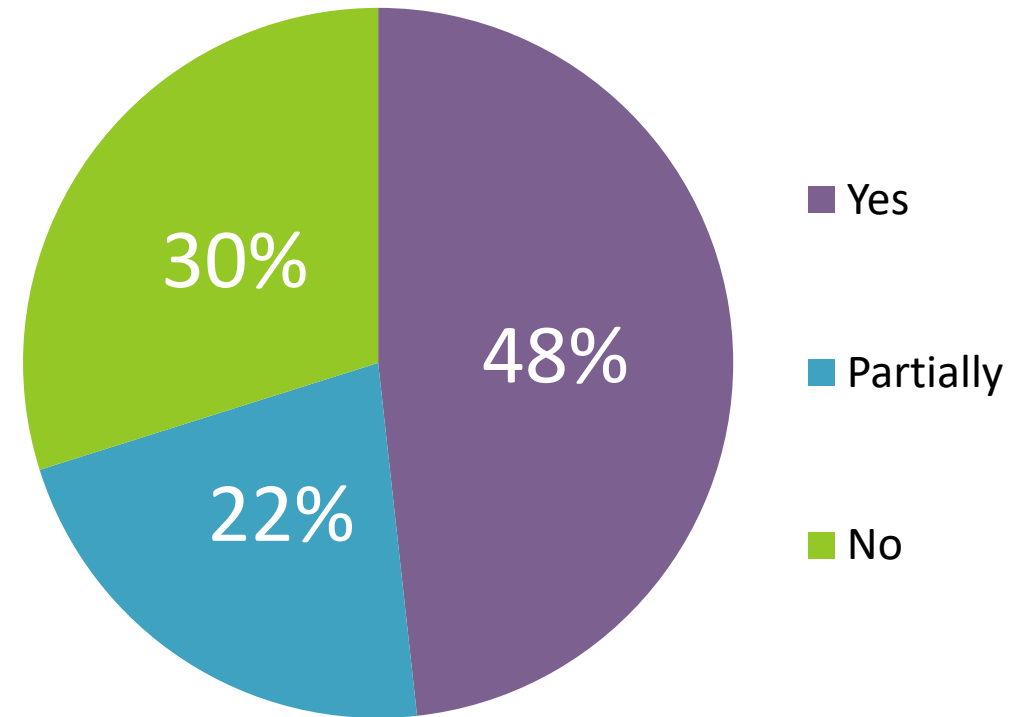


Outreach : Public Survey

Majority of people strongly agree that traffic safety improvements are needed along Lake Merced Blvd



70% of respondents fully or partially support the project



From the comments, we heard many who partially support the project would like to see more improvements/additional bike infrastructure.

Proposed Design

Proposed Improvements

- **Narrowing vehicle travel lanes** widths to increase driver awareness and lower motor vehicle speeds
- **Upgrading crossings** for pedestrian safety with improved crosswalks and larger signal heads
- **Installing on-street protected bikeways** separated by concrete buffers to increase bicycle connectivity and safety on Lake Merced Blvd.
- **Implementing Neighborways** where a traffic-separated bikeway is not feasible (wayfinding markings)
- **Installing 7 transit boarding islands** to accommodate bike lanes and for stop optimization

Potential Trade-offs

- Road lane removal in some segments, but only in areas with extra vehicle capacity
- Parking removal throughout corridor (324 spaces)
- Areas parked with oversized vehicles will be phased out in correlation with selection of a Safe Sleeping Site (coordinated by D7)

Proposed Design

Legend



-  Proposed Northbound/Westbound Protected Bike Lane (on roadway)
-  Proposed Northbound/Westbound Bike Lane through Intersections
-  Existing Northbound/Westbound Shared Use Path
-  Proposed Northbound/Westbound Neighborway* (on roadway)
-  Existing bike routes (on roadway)
-  Proposed Southbound/Eastbound Protected Bike Lane (on roadway)
-  Existing Southbound/Eastbound Shared Use Path
-  Proposed Bike Ramps
-  Proposed Pedestrian Improvements
-  Proposed Transit Boarding Islands
-  Proposed Relocated Transit Stops
-  Existing Transit Flag Stops
-  Proposed Flag Stop
- M/ST Muni Stop / SamTrans Stop



Proposed Design

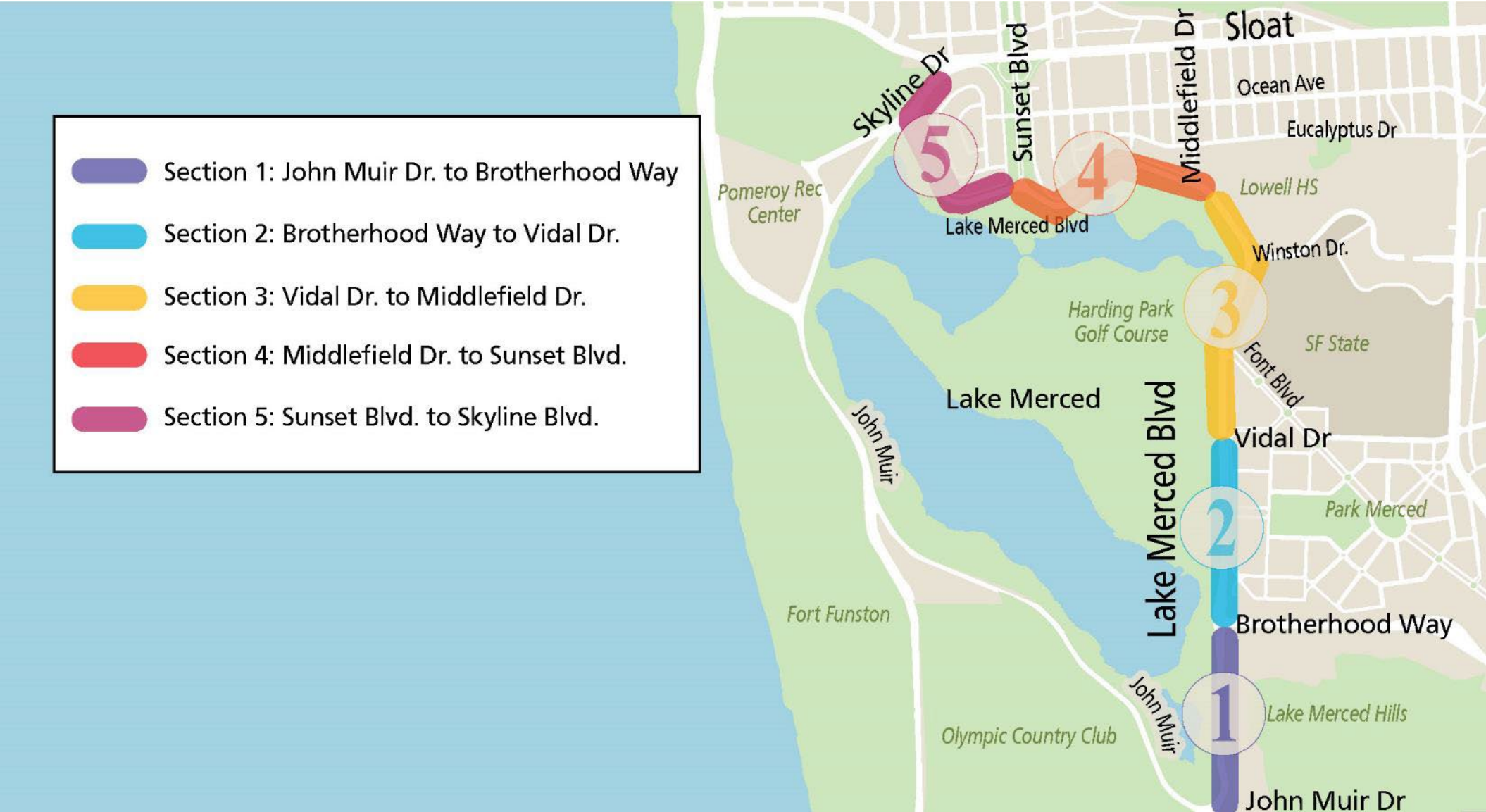
Legend



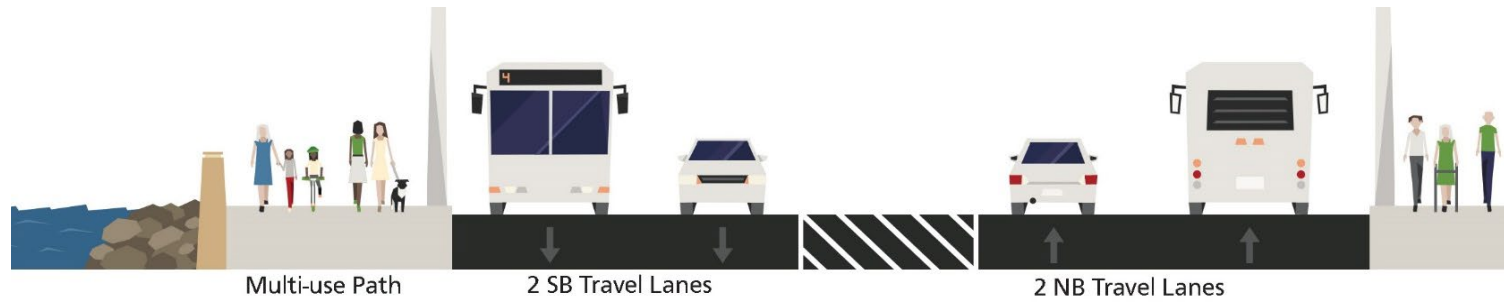
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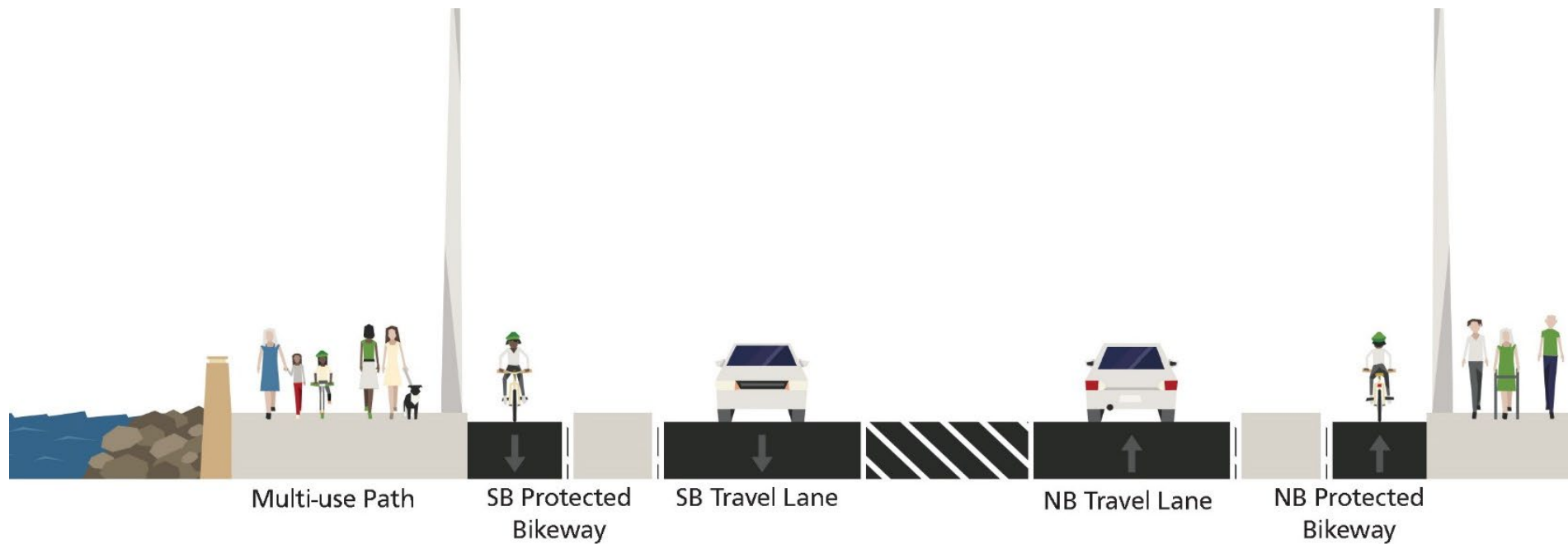
Proposed Design by Section



Section 1: John Muir Dr. to Brotherhood Way

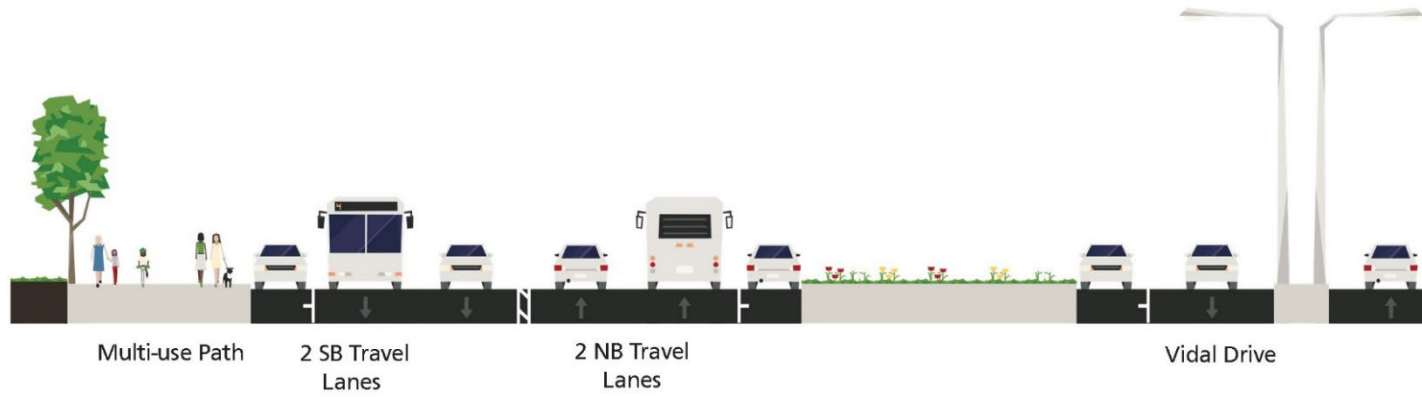


Existing Cross Section (looking north)

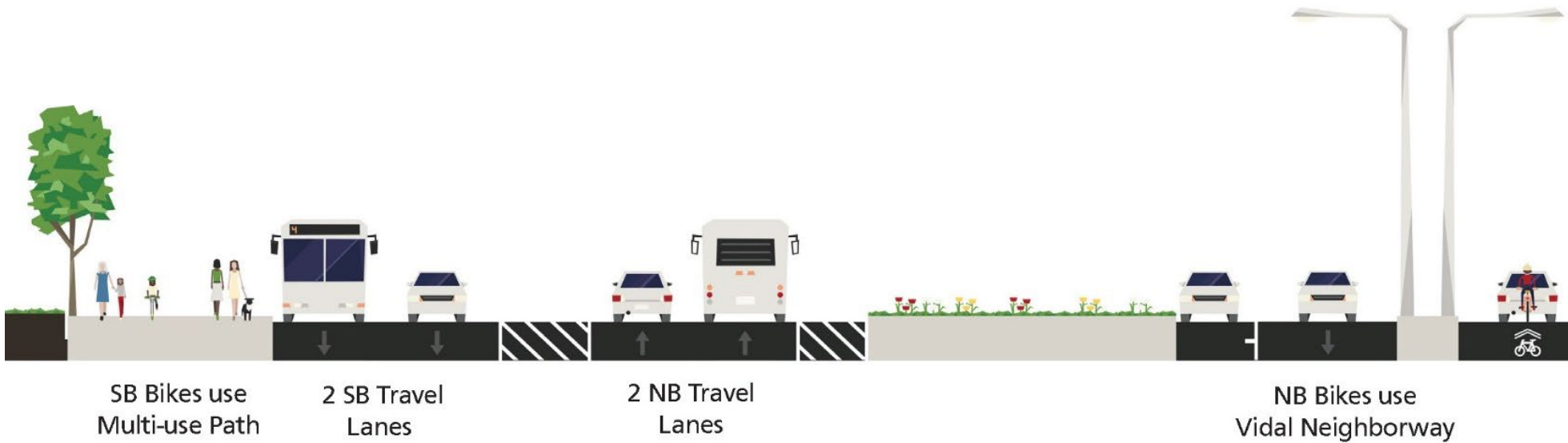


Proposed Cross Section (looking north)

Section 2: Brotherhood Way to Vidal Dr.

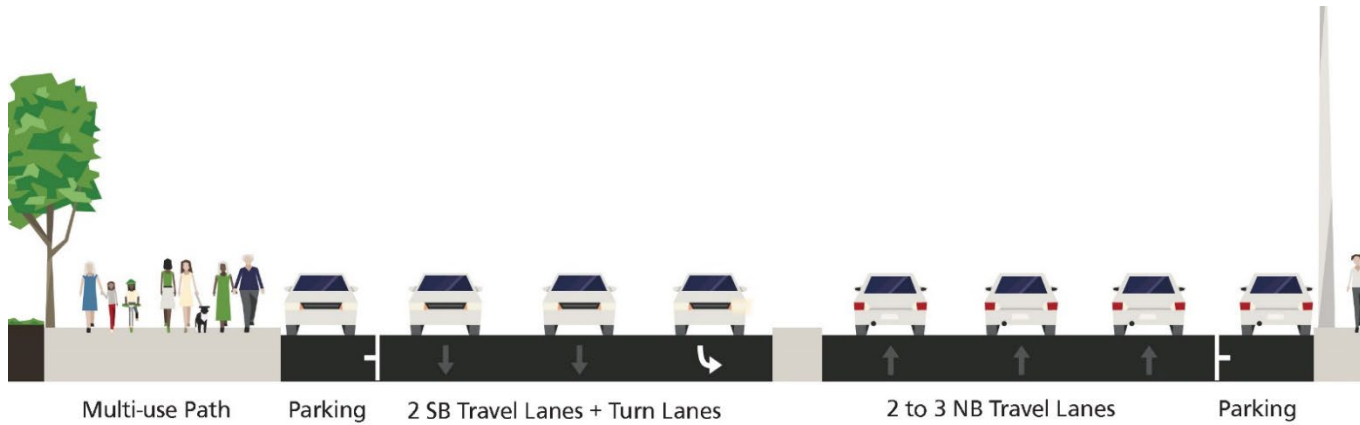


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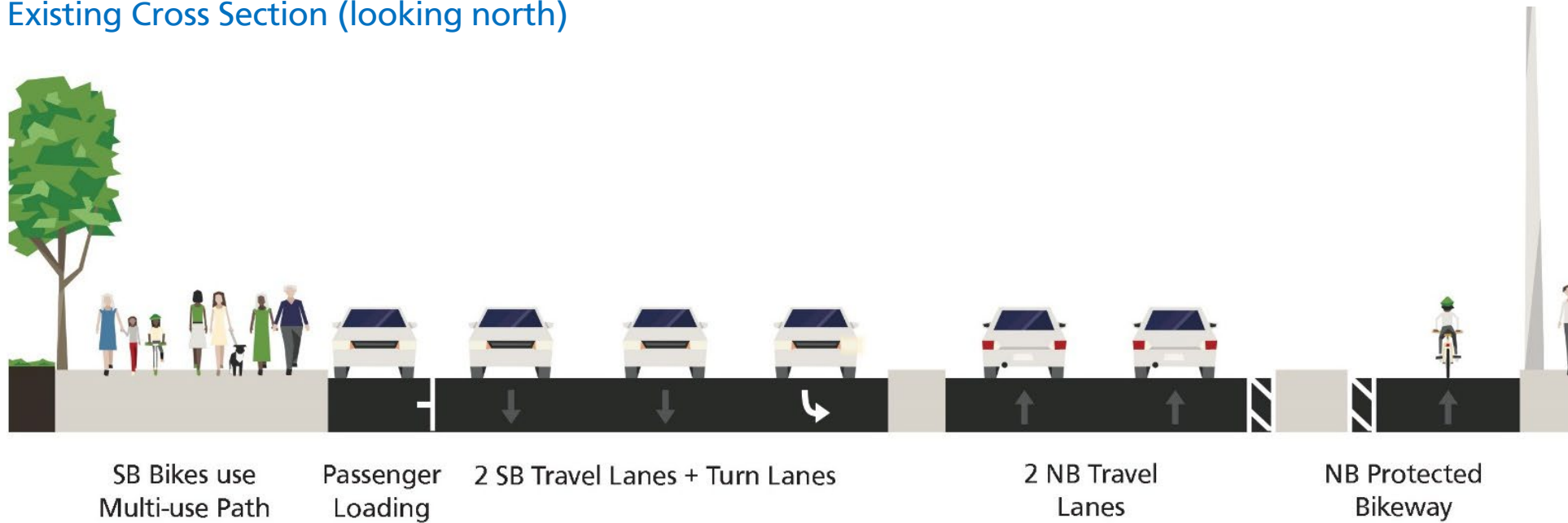


Proposed Cross Section (looking north)

Section 3: Vidal Dr. to Middlefield Dr.

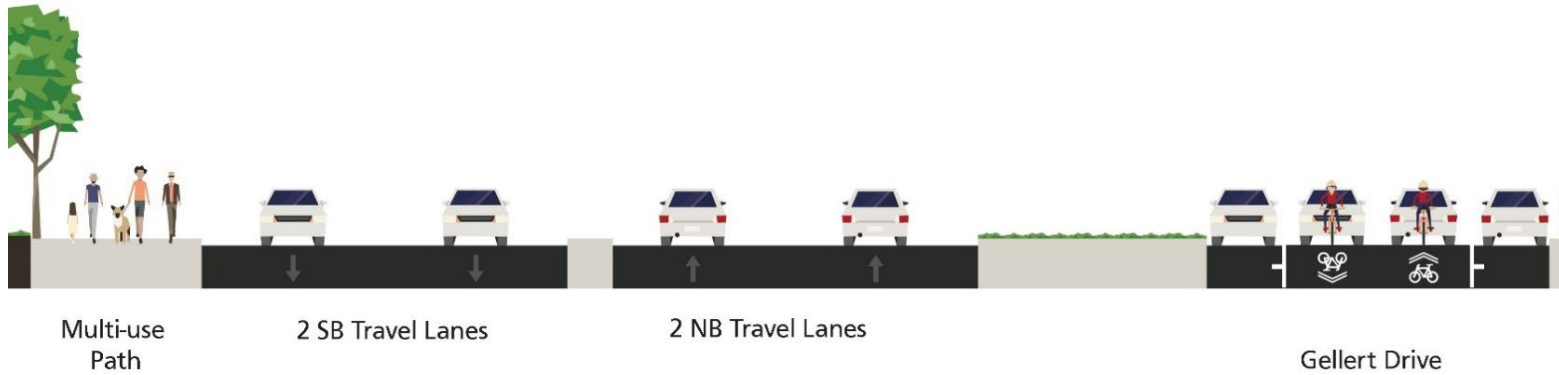


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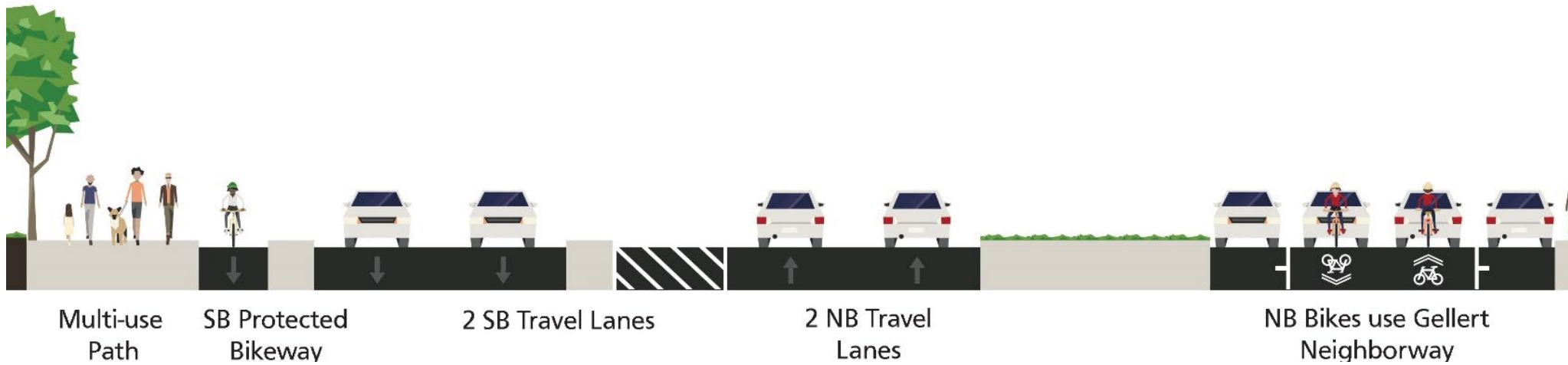


Proposed Cross Section (looking north)

Section 4: Middlefield Dr. to Sunset Blvd.

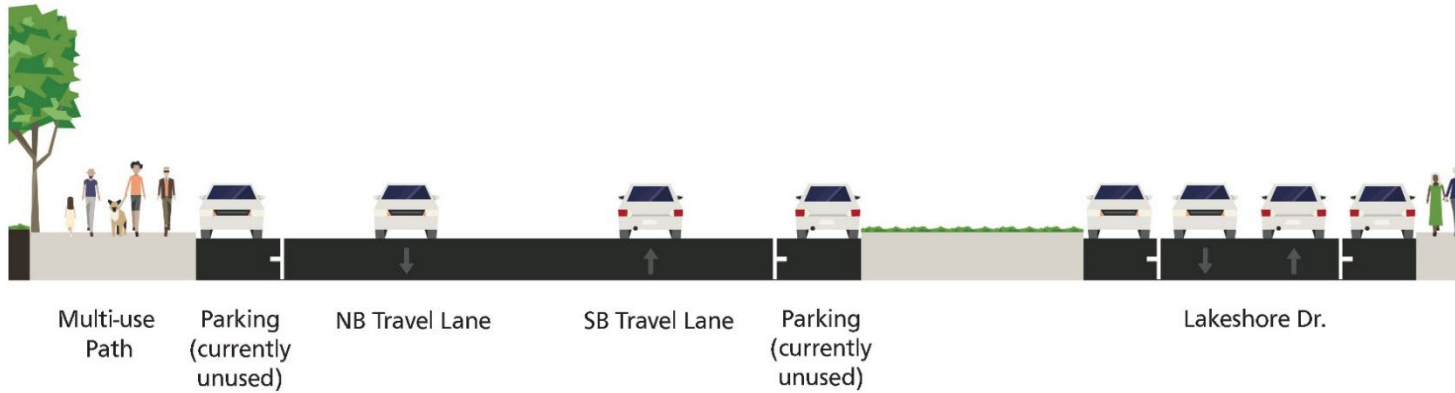


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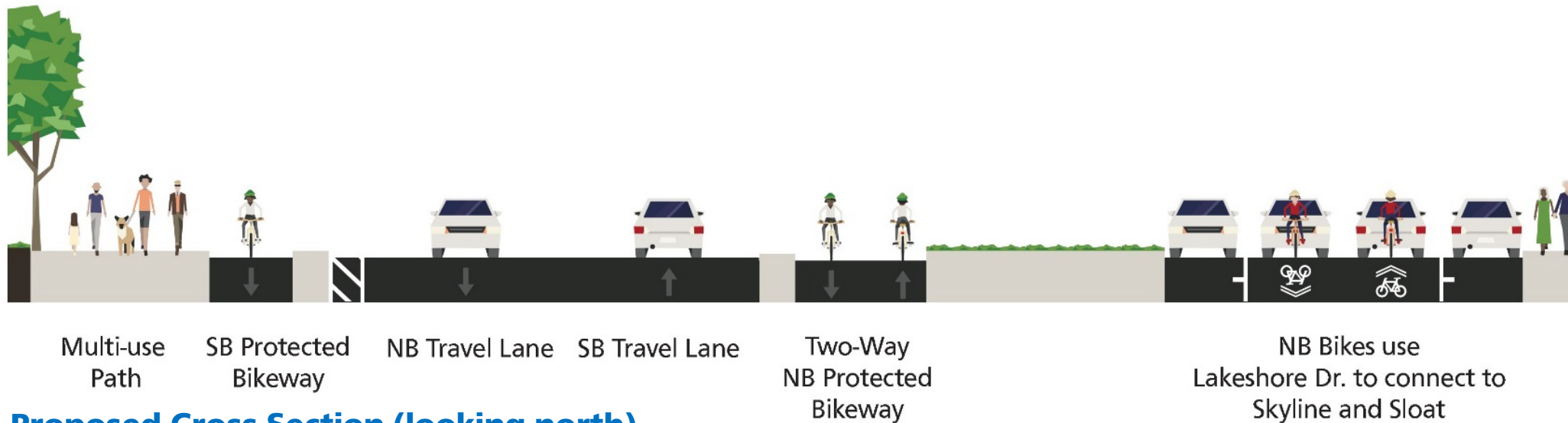


Proposed Cross Section (looking north)

Section 5: Sunset Blvd. to Skyline Dr.



Existing Cross Section (looking north)



Proposed Cross Section (looking north)

Summary and Next Steps

Construction expect to start Spring 2023
(phased from outer ends to middle portion)

Will phase parking removal in coordination with
selection of Safe Sleeping Site

Coordinating improvements with:

- Parkmerced
- SamTrans
- Daly City



Thank You!

Please see www.sfmta.com/LakeMercedQB for more information