

December 4, 2023



Fernside Boulevard Traffic Calming & Bikeways Project

Community Meeting #1

Parametrix

Parisi
TRANSPORTATION CONSULTING

Agenda

1. Presentation

- About the project
- Existing conditions
- Improvement toolkit
- Next steps

2. Open House

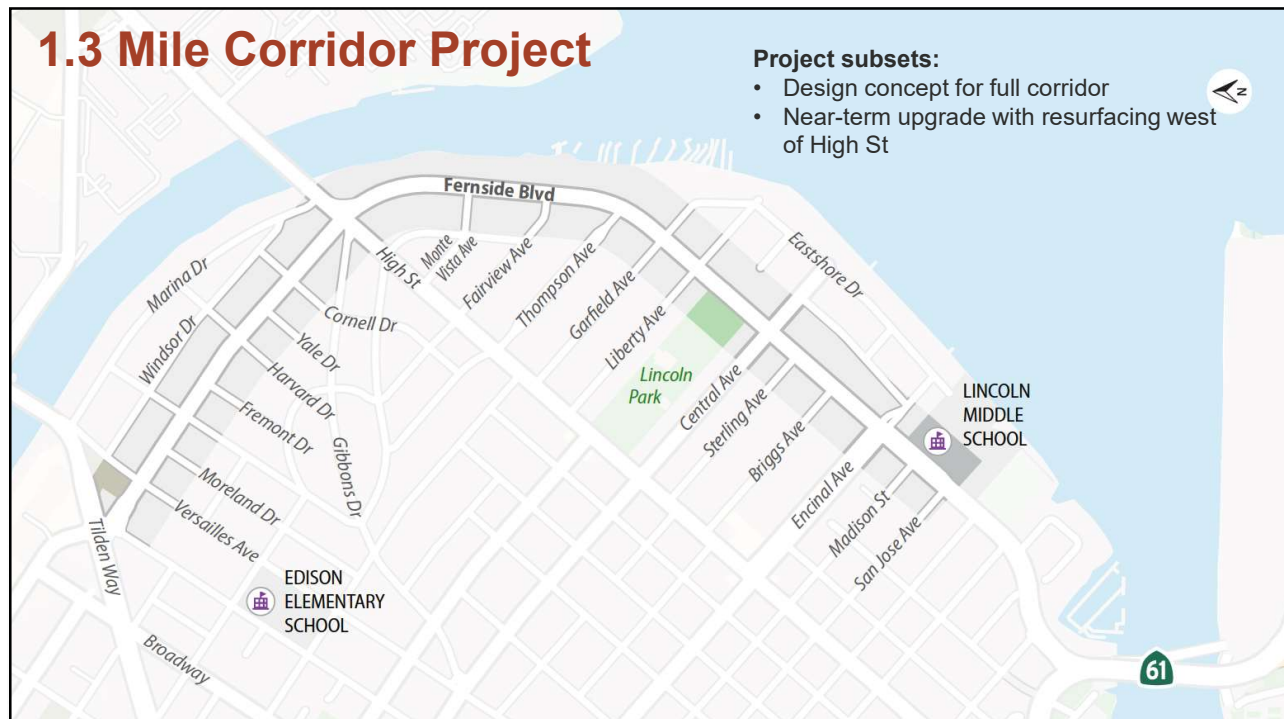
- Tell us what you think!
- Staff and consultant team to listen and answer questions



Fernside Blvd. & Versailles Ave. Intersection, looking west.



About the project



Why are we here?

Project goal: reduce traffic speeds and improve safety and mobility for all

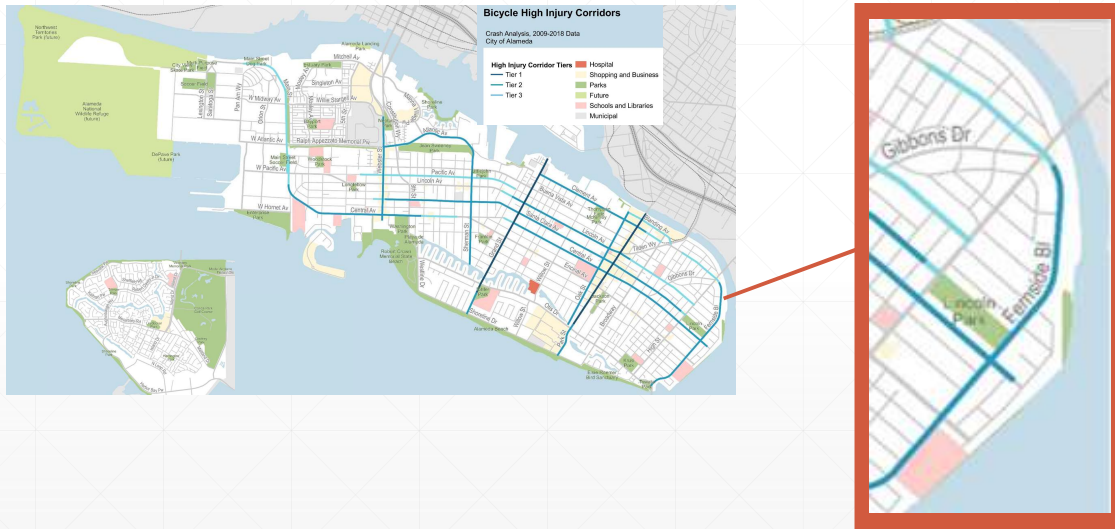
- Coordinate with pavement resurfacing
- Implement plans and policies:
 - Vision Zero Action Plan
 - Active Transportation Plan
 - City Council Strategic Plan
 - San Francisco Bay Trail (*regional*)



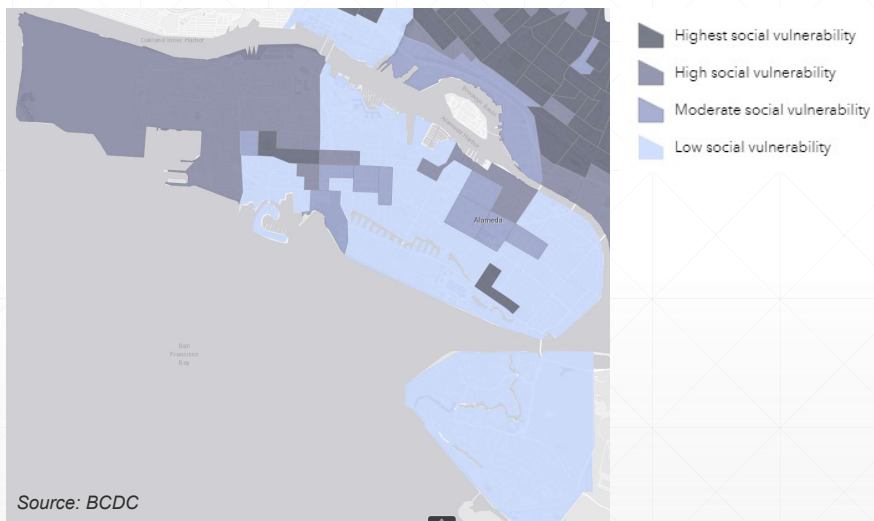
Fernside is a Tier 3 High Injury Corridor, All Modes



Fernside has Tiers 2 & 3 Bicyclist High Injury Corridors



Fernside not in an Equity Priority Area



Fernside in Active Transportation Plan: Low-Stress Bikeway

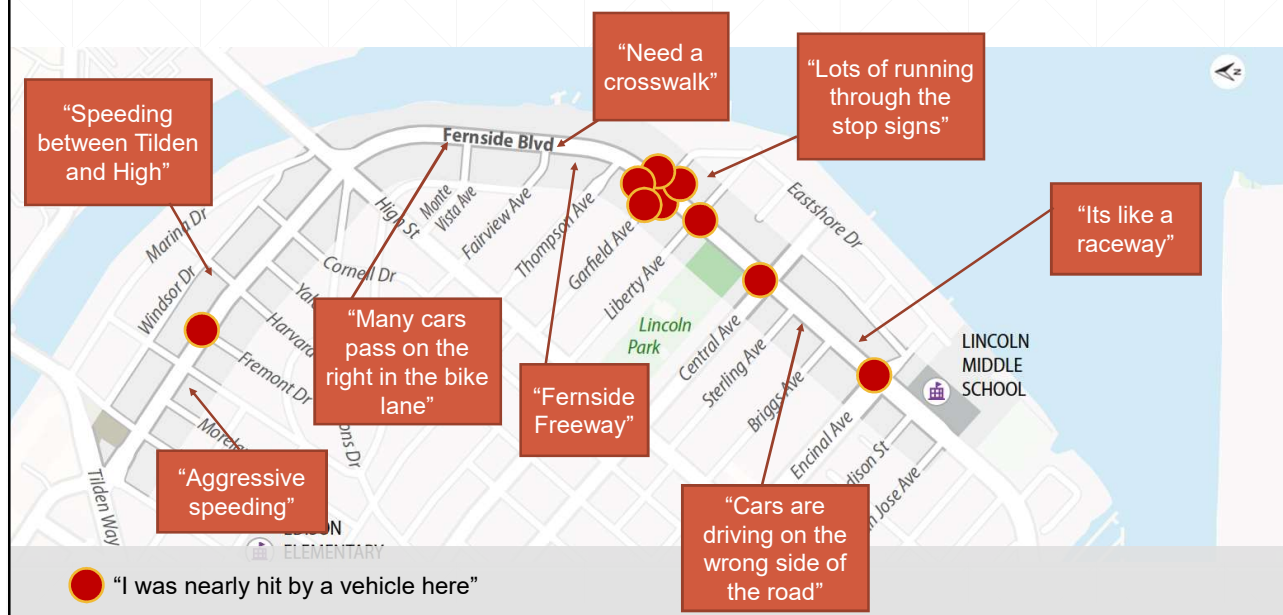
2030 Low-Stress Backbone Bikeway Network



- Adopted plan shows Fernside with a protected bike lane
- Key to the 2030 Low-Stress Backbone Network for all ages and abilities
- Part of regional San Francisco Bay Trail



Community Concerns about Street Safety



History

History

Late 1800s: A.A. Cohen's 106-acre Fernside estate



History



Fernside Estate: ca. 1900



Fernside Loop: 1911



Eastshore Fill: 1950s



Existing Conditions

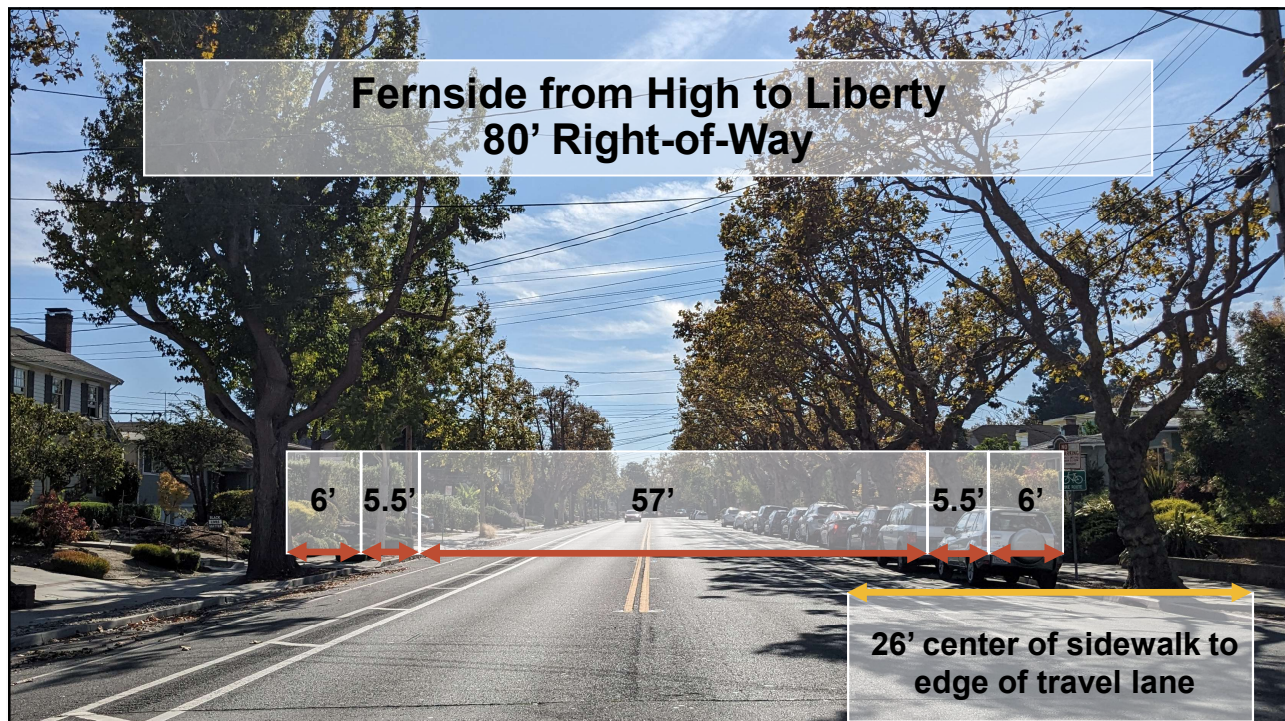
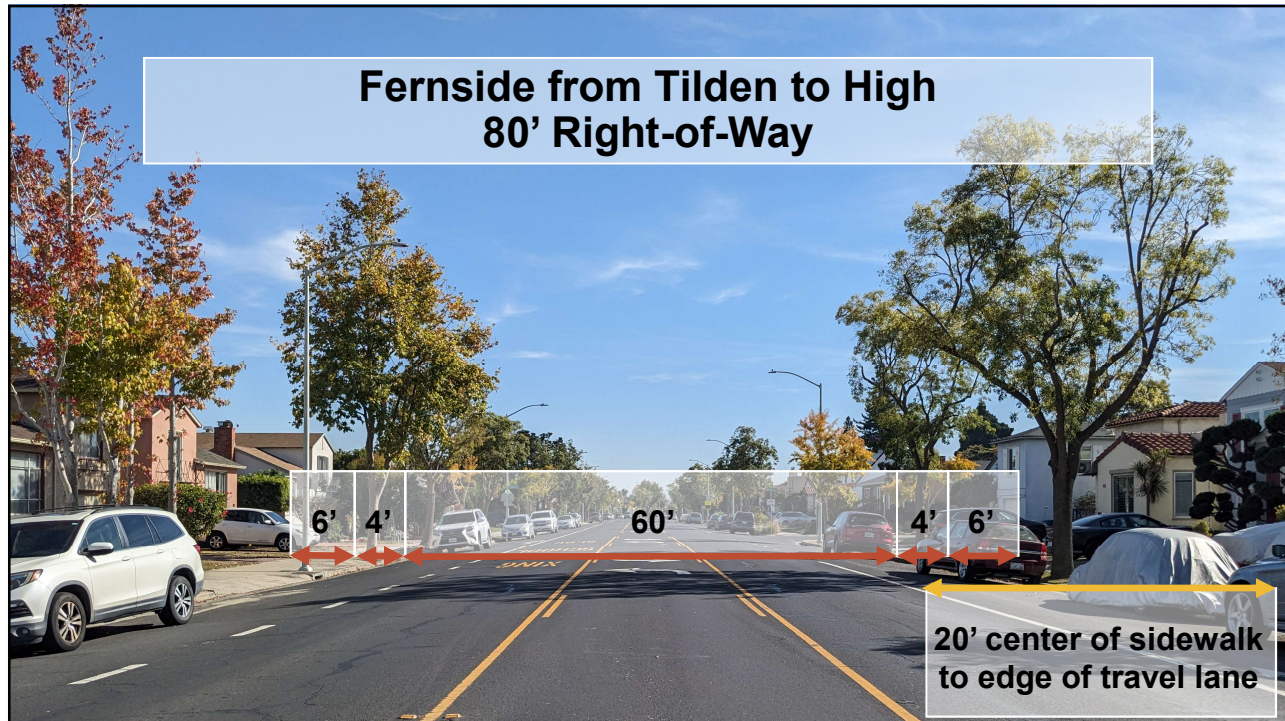
Fernside Boulevard Recent Enhancements

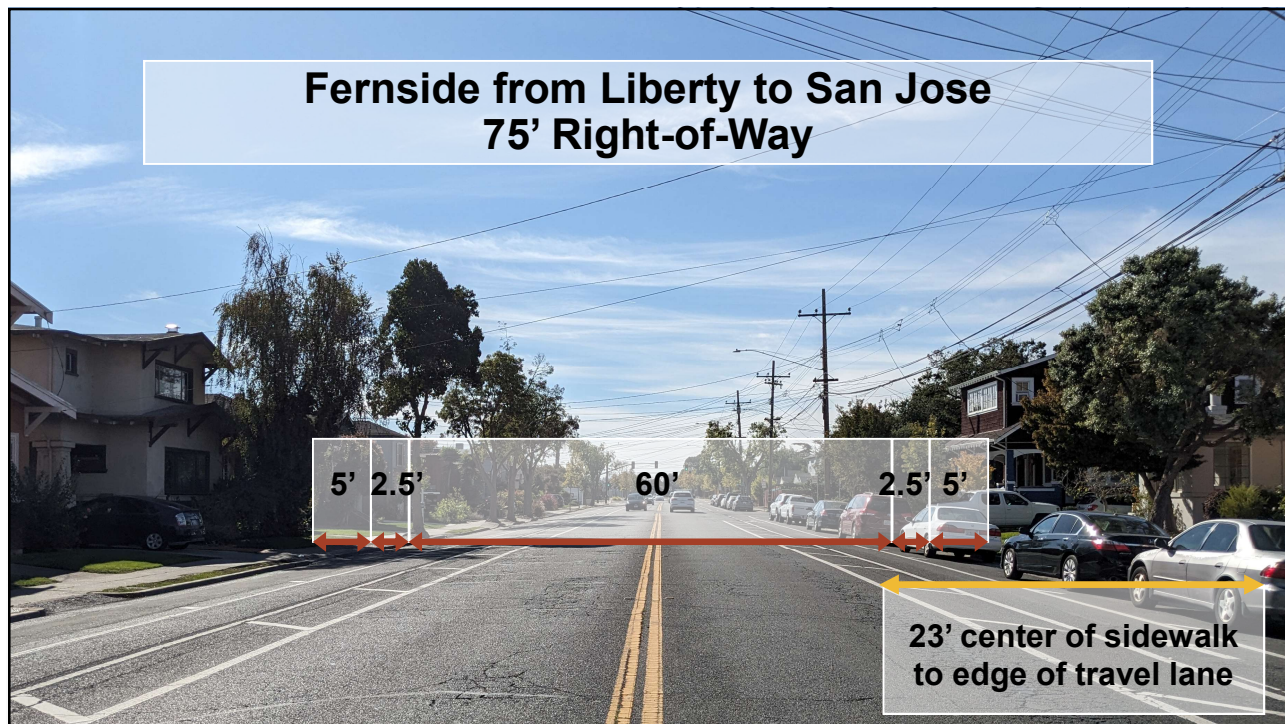
- At Versailles Ave:
 - 2010: Uncontrolled crossing upgraded to high-visibility striping
 - 2013: RRFB and concrete crosswalk protection improvements
- At Cambridge Dr.
 - 2014: Speed feedback sign below posted speed limit sign
- At Harvard Ave:
 - 2013: Uncontrolled crosswalk at Harvard Ave installed
 - 2021: RRFB and concrete crosswalk protection improvements
- At High St:
 - 2013: Removed second travel lane merge west of High St.
- East of High St:
 - 2019: Upgrade to buffered bike lanes as part of roadway repaving
- Between Otis and Lincoln Middle School
 - 2009: Two-way bikeway access to school

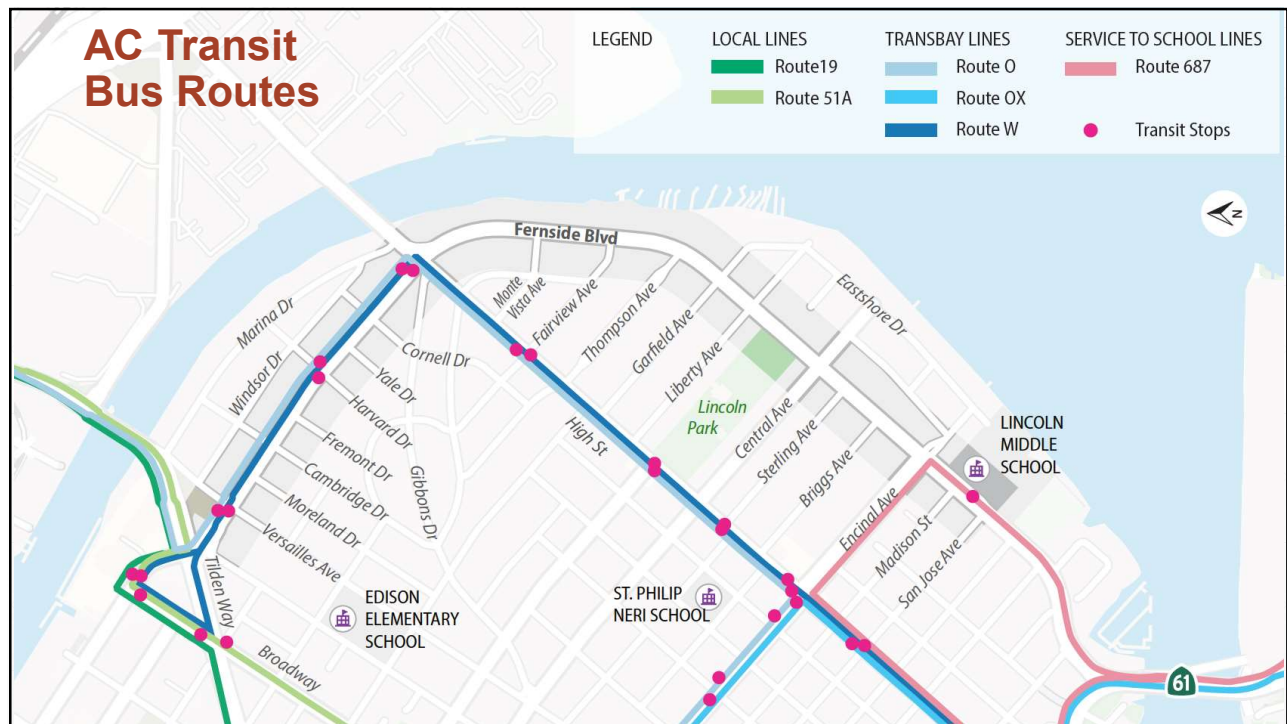


Varied Segments











Crash History

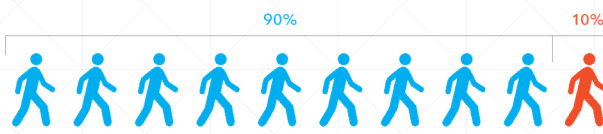
Vehicle Speed and Crash Outcomes Involving Pedestrians

● If hit by a person driving at:

● Person Survives the Collision

● Results in a Fatality

20 MPH



30 MPH



40 MPH



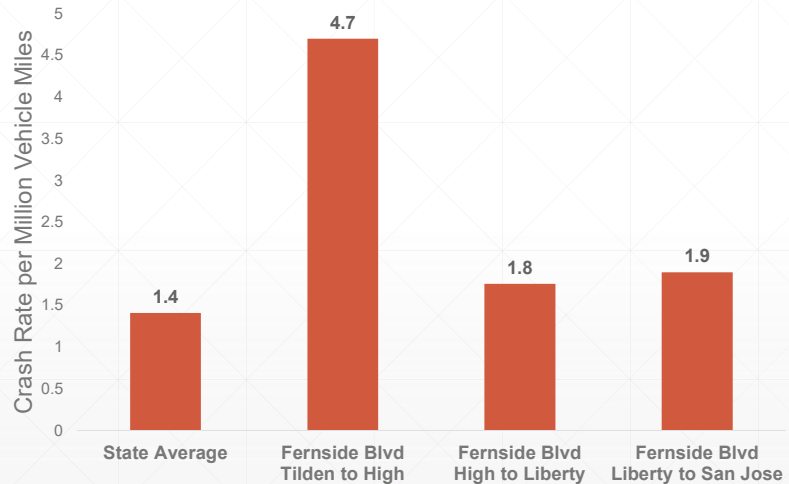
Vision Zero San Francisco Two Year Action Strategy 2015

High Crash Rate throughout the Corridor

64

crashes from
2017-2021

(including non-injury crashes)



22 Injury Crashes from 2017-2021

Injury Crashes 2017-2021:

- 1 fatal
- 5 visible injury (23%)
- 16 minor injury (73%)
- 8 involved pedestrians or cyclists

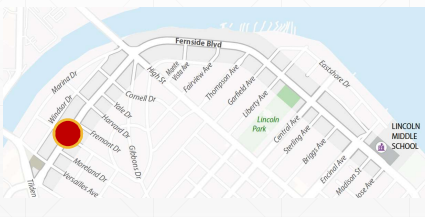
LEGEND

- Pedestrian/Motor Vehicle (3)
- Bicycle/Motor Vehicle (5)
- Motor Vehicle/Motor Vehicle (7)
- Solo Motor Vehicle (6)
- Solo Motorcycle (1)



Fatal Crash: September 6, 2021

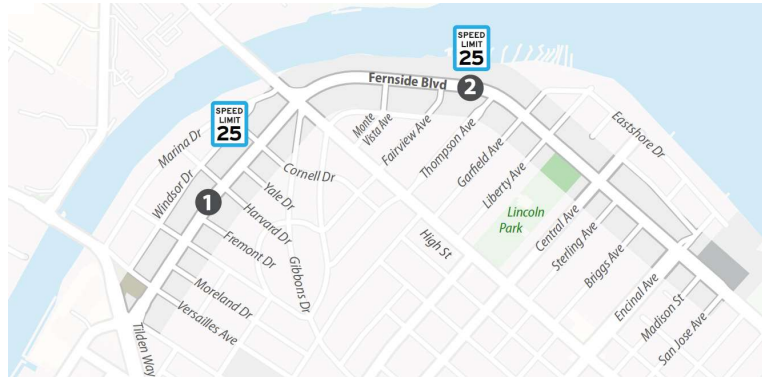
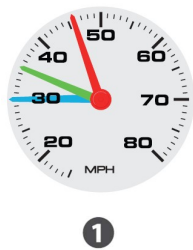
- Fernside & Cambridge intersection
- High-speed driver on Cambridge failed to stop at stop sign, causing broadside collision with another vehicle traveling on Fernside



Data Collection

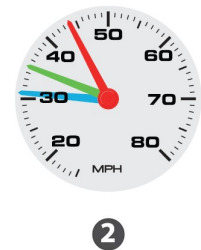
Existing Speed Limit is 25 mph, but Actual Vehicle Speeds are Higher

■ Average Speed: 30 mph
■ 85th Percentile Speed: 35 mph
■ Highest speed recorded: 46 mph



Speed survey conducted on 10/24/2023

■ Average Speed: 31 mph
■ 85th Percentile Speed: 35 mph
■ Highest speed recorded: 44 mph

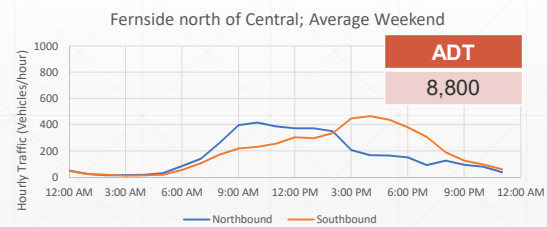
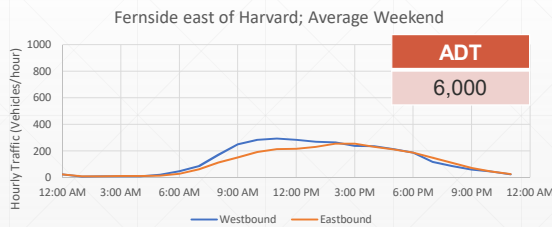
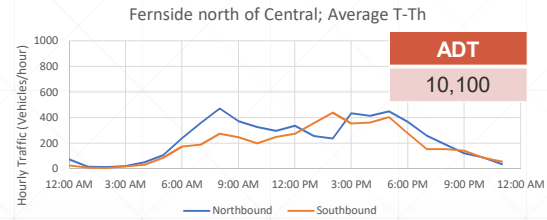
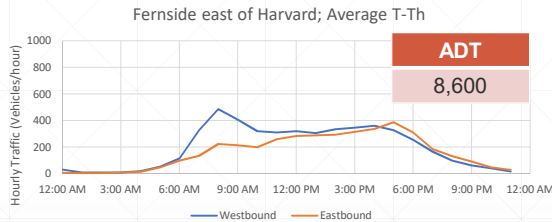
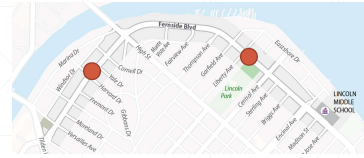


Average Daily Traffic Compares to Similar Roadways



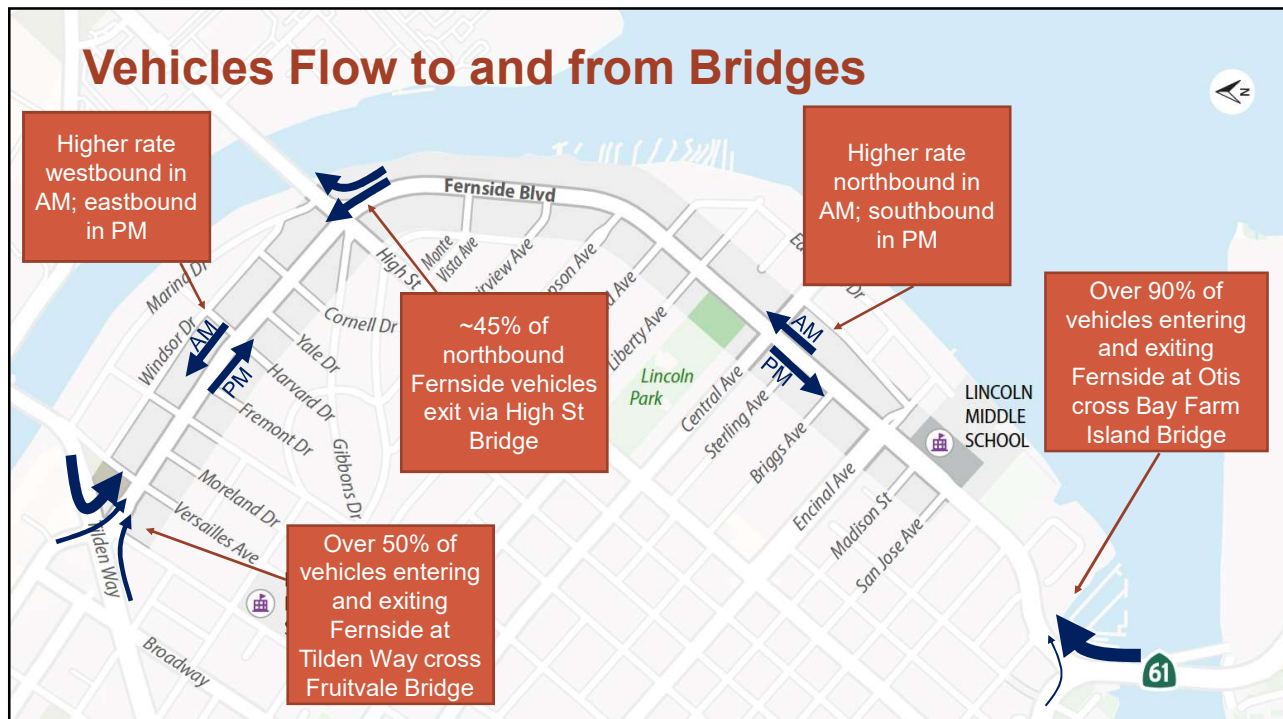
Traffic counts measured between 10/12/2023 and 10/18/2023

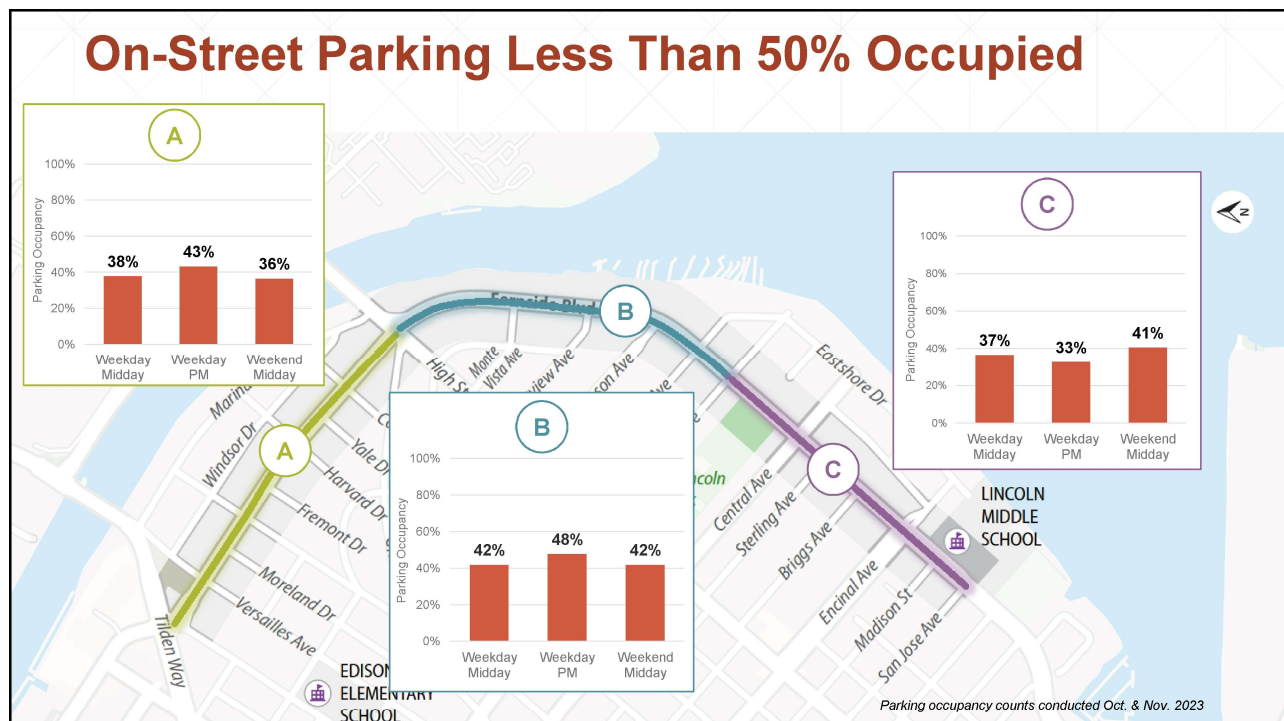
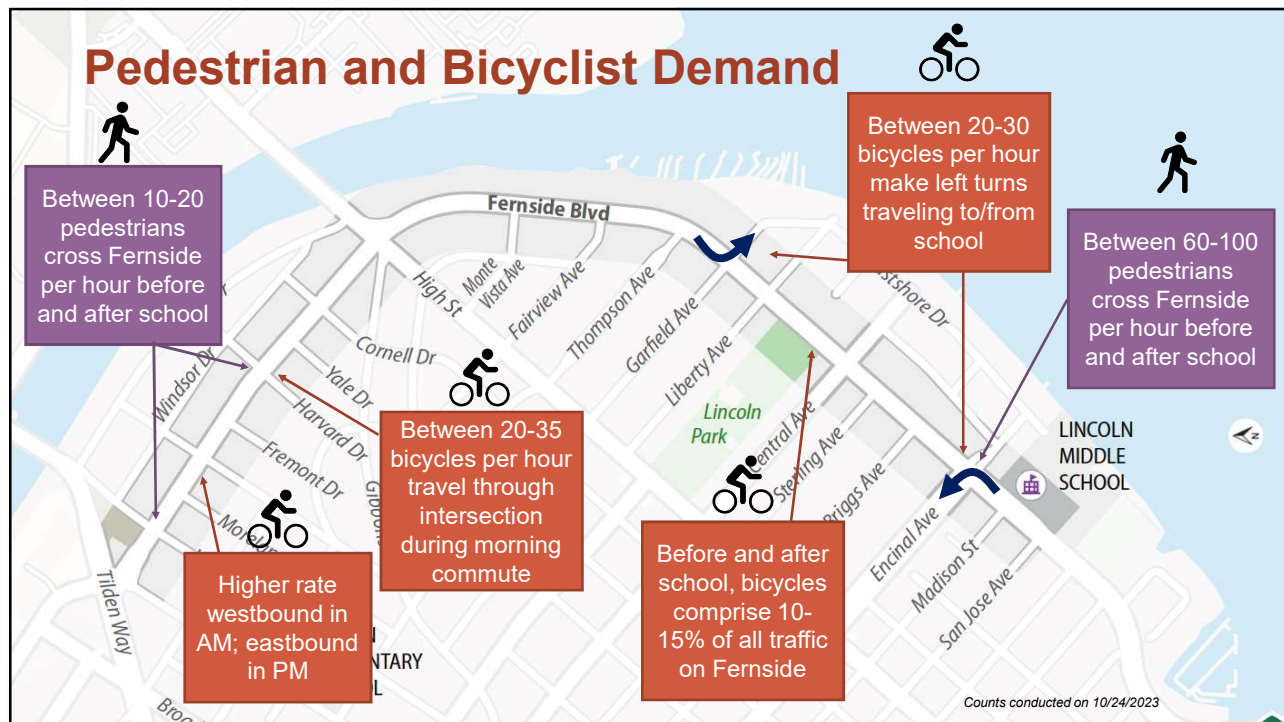
Fernside Carries 200 to 500 Vehicles per Hour in Each Direction



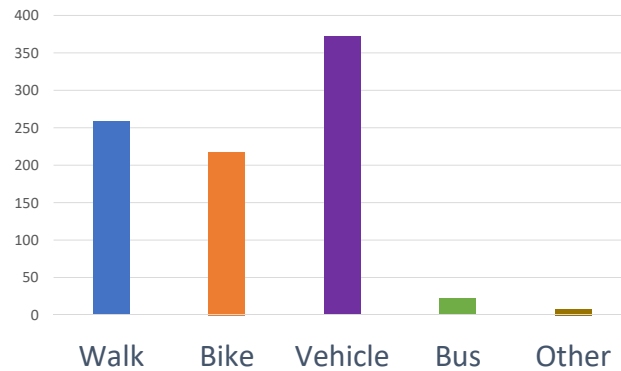
Traffic counts measured between 10/12/2023 and 10/18/2023

Vehicles Flow to and from Bridges





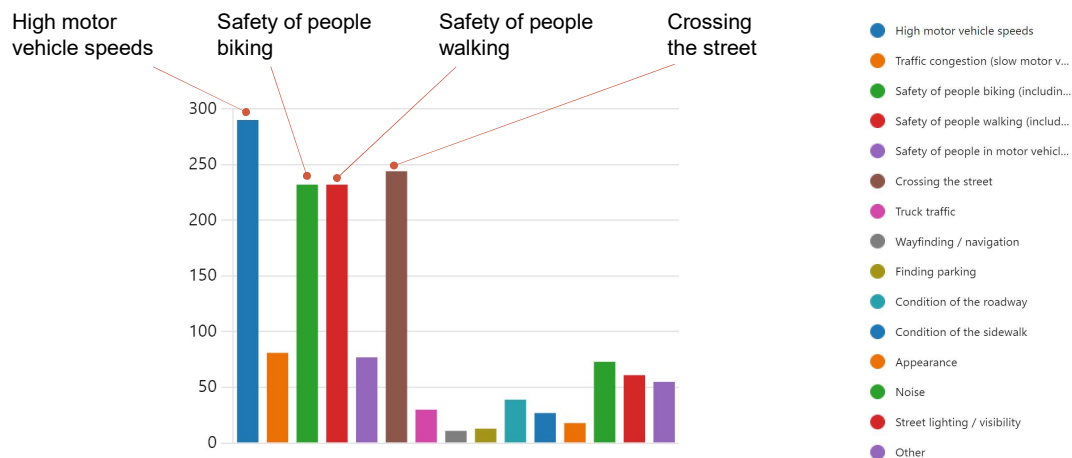
Online Survey Results: 408 Responses as of Dec. 1



What mode(s) of travel do you often use when traveling along or crossing Fernside Boulevard?

Survey available at alamedaca.gov/fernside
Survey results gathered between Nov. 17 and Dec. 1, 2023

Online Survey Results



What do you find most challenging when using Fernside Blvd?

Survey available at alamedaca.gov/fernside
Survey results gathered between Nov. 17 and Dec. 1, 2023

Sample Survey Responses

"It's difficult to get in or out of driveways"

"Cars are traveling way too fast"

"The street is poorly lit"

"The intersection at High and Fernside is dangerous"

"It's complicated to get to the two-way bike lane"

"Crossing Fernside on foot is risky"

"Protected bike lanes would be great"

"Cars pass in the median"

"The street is too wide"

"I would to see more street trees"

"Cars often speed through crosswalks"

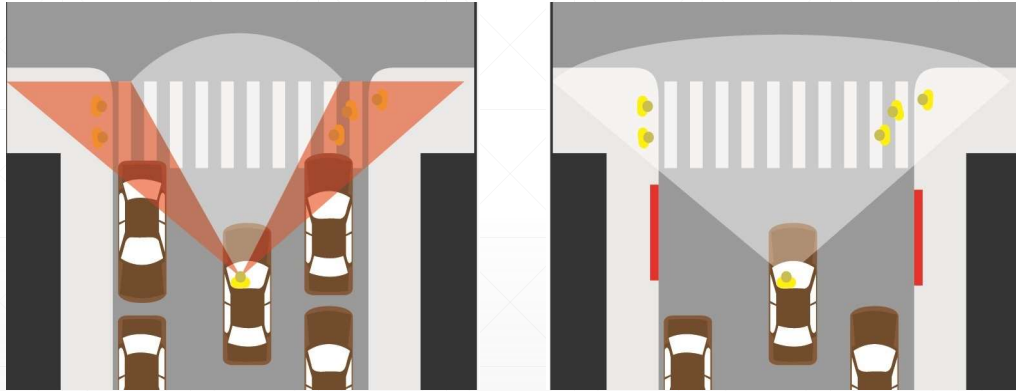
"I would love more crosswalks"

Survey available at alamedaca.gov/fernside
Survey results gathered between Nov. 17 and Dec. 1, 2023



Improvement Toolkit – Traffic Calming & Safety

Improved Sight Lines



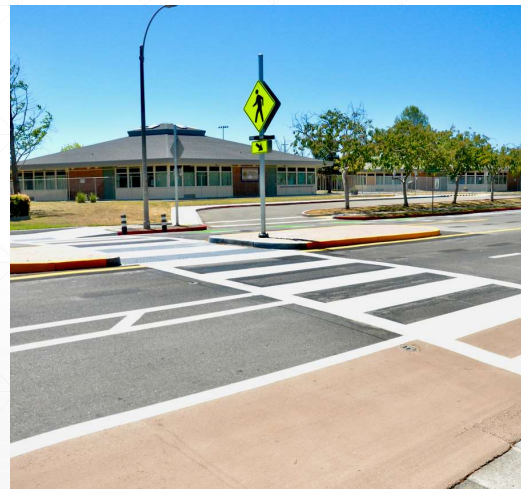
High Visibility Crosswalks



Rectangular Rapid Flashing Beacon



Pedestrian Refuge Islands



Bulbouts



Speed Feedback Sign



Bus stop enhancements



Improvement Toolkit – Bikeways

Buffered Bicycle Lanes



Physically Separated Bike Lane: 1-Way



Physically Separated Bike Lane: 2-Way



Raised Bike Lane





Next Steps

Next Steps

- **Outreach round 1: existing conditions and initial input**
 - Dec. 4 Community workshop
 - Dec. 11 Virtual community workshop
 - December 17 Survey closes
 - January 28 Transportation Commission (tentative)
- **Outreach round 2: draft concept alternatives**
 - Spring 2024
 - Feedback to select design concepts
- **Final Concept & Approval**
- **Resurfacing & restriping west of High**
 - 2025 (tentative)

alamedaca.gov/fernside



Open House

Your Input – Draw on the Maps!

Station 1&2 – existing conditions

- Where and how do you travel to and across Fernside?
- Where do you find safety challenges when using Fernside?

Station 3&4 – visioning

- What traffic calming and safety toolbox measures are needed?
 - What bikeway solutions would serve the community?
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