

Embarcadero Traffic Safety Update









January 21, 2020 SFMTA Board of Directors

Vision Zero High-Injury Network



*Remaining victims include 26 pedestrians, 122 drivers/passengers (including one fatality at Bryant Street), and 2 "other" Most of The Embarcadero is on San Francisco's High Injury Network, representing the city's 13 percent of streets that account for 75 percent of severe and fatal traffic collisions.

Between 2014 and 2019, **242 people** were injured by traffic on The Embarcadero including two fatalities.

The vast majority of collisions occur at intersections. Nearly 40% of all victims (92) were people on a bicycle, despite being approx. 5% of all traffic.*

The drive behind Vision Zero is that these deaths and injuries are preventable and unacceptable.

Update Topics

1. Background / Public Outreach to Date 2. Recent Safety Improvements 3. 2020 'Quick-Build' Proposals 4. Enforcement & Education Planning **Embarcadero Enhancement PAED Phase** 5. 6. Fisherman's Wharf/Pier 39 Circulation Study Schedule / Next Steps

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The Experience Today



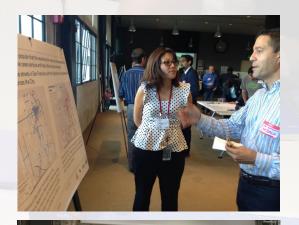
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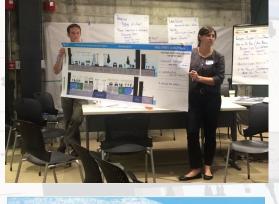


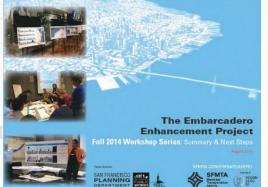
2014 Open House / Design Workshops (x3)

What We Heard

- Accommodate Loading/Unloading
- Wide and Welcoming Bikeway
- Think 'Big'
- Adapt to Best Uses of Curb (Right-of-Way)
- Details Matter
- Provide Flexibility
- Accommodate Larger Vehicles / Lane Widths
- Fisherman's Wharf/Pier 39 Area Needs Separate Planning

Detailed Summary Report available at sfmta.com/embarcadero

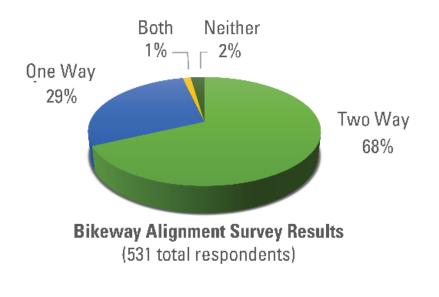


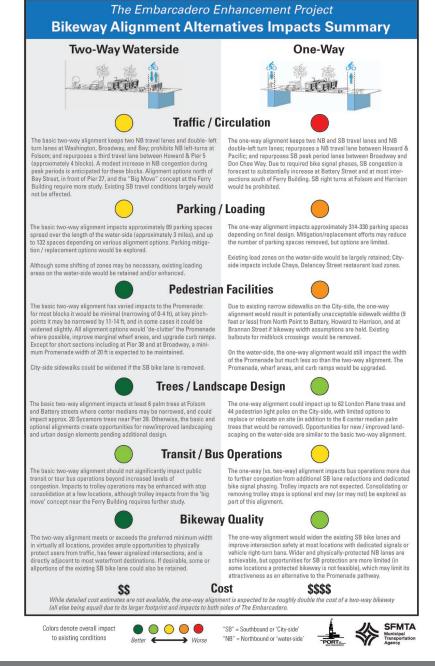


2016 Open House

Assessing Trade-Offs of Bikeway

- One-Way vs. Two-Way Protected
- Preliminary Parking & Traffic Analysis
- 17,000+ mailers / 300+ attendees
- Public Survey (531 responses)





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Public Outreach / Engagement

Project Briefings

- Port Commission (2014, 2018)
- Northeast Waterfront Advisory Group (NEWAG)
- Central Waterfront Advisory Group (CWAG)
- Maritime Commerce Advisory Committee (MCAC)
- Ballpark Mission Bay Transportation Committee
- San Francisco Hotel Council
- SF Travel, SF Tour Guide Guild
- South Beach/Rincon/Mission Bay Neighborhood Assoc.
- Barbary Coast Neighborhood Association
- District 3 SFMTA Working Group
- Fisherman's Wharf Community Benefits District
- Fisherman's Wharf Restaurant Association
- Fisherman's Wharf Merchants Association
- MTC Bay Trail Steering Committee
- Individual stakeholders incl. Ferry Building, Exploratorium, Pier 39, and many others...

Changes are coming to the Embarcadero, San Francisco's waterfront



Media



Vendor Ride-Alongs

October 2018 Design Showcase

SAN FRANCISCO TRANSPORTATION

Embarcadero showcase reveals plans for safety-focused redesign

By **JEROLD CHINN** :: SFBay O October 26, 2018

VISION FOR A BETTER EMBARCADERO



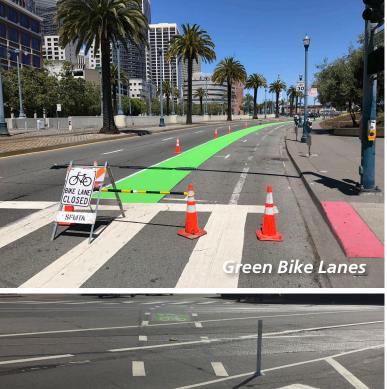


Embarcadero Enhancement Design Showcase - October 25, 2018

www.sfmta.com/embarcadero

Recent Safety Improvements







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Recent Safety Improvements





2018 Southbound Embarcadero Peak Period 'Road Diet'





Sansome & Battery Connections Project





- Substantially completed in July 2019
- Dedicated bike lanes off The Embarcadero, Jackson to Chestnut streets
- Major safety upgrades to Chestnut/Sansome intersection, including:
 - ✓ Simplified intersection (SB turn restrictions)
 - New marked crosswalk
 & painted safety zones
 - ✓ Reconfigured Sansome turn lane(s)
 - ✓ Bike/ped 'head start'

SFMTA Quick-Build Initiative

LOCAL // BAY AREA & STATE

Breed calls for 20 miles of new protected bike lanes in SF in two years

Rachel Swan | May 9, 2019 | Updated: May 9, 2019 4:15 p.m.

LOCAL // BAY AREA & STATE

City speeds up approval process for new bike lanes, road safety improvements

Rachel Swan | June 5, 2019 | Updated: June 5, 2019 4:49 p.m.



Activists with the People Protected Bike Lane group form a human barrier to separat streets in San Francisco.

Vision Zero Desperately Needs Help

San Francisco's goal to eliminate traffic fatalities by 2024 seems farther away than ever. What will it take to get back on track?

by Ida Mojadad • 08/20/2019 5:39 pm - Updated 08/22/2019 12:08 pm

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Illed earlier this year after being struck by a vehicle

Folsom to Mission 'Quick-Build' Proposal



Protected Bikeway:

Short segment of two-way, water-side bikeway helps connect Ferry Terminal users with rapidly expanding SOMA protected bicycle network; also allows preview/testing of new bikeway concept, including bike signals

Safer Pedestrian Crossings:

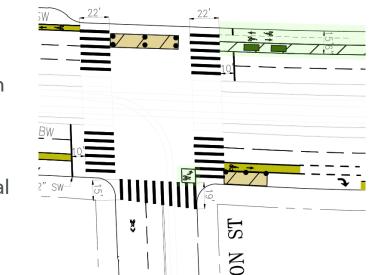
Right-turn on red restrictions, 'painted safety zones,' one block of vehicle lane reduction to calm busy intersections; calmer promenade with reduced bicycle/scooter traffic

Spot Pavement Repair:

Smoother, safer rides for everyone

Folsom to Mission 'Quick-Build' Proposal

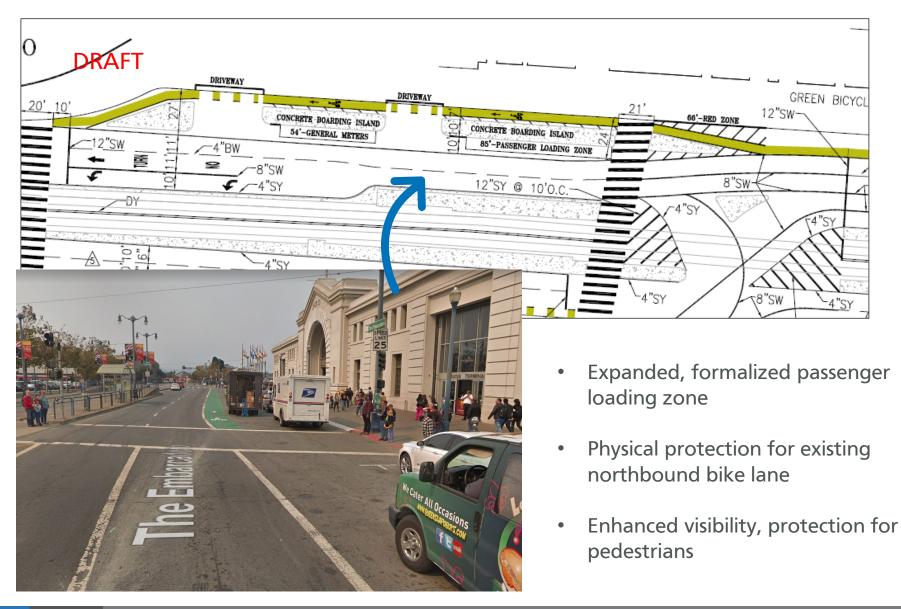






Potential design at Mission w/ painted safety zones, planters or other physical barrier

Quick-Build Proposal: Bay St at Pier 35



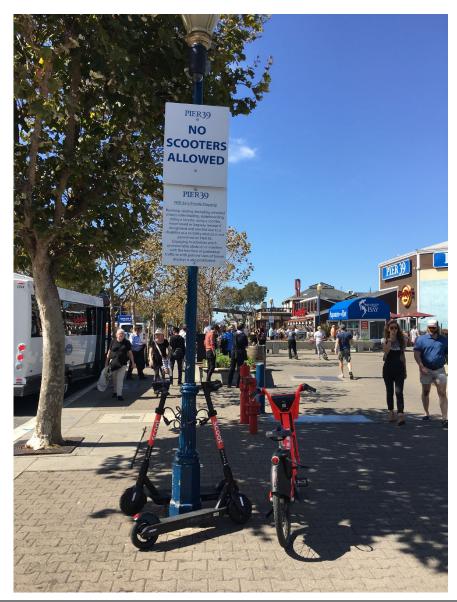
Enforcement Planning

What

- Documentation of existing enforcement efforts
- 311 complaint review
- Updated collision analysis

Why

- Support PCO, SFPD enforcement where it's most needed for safety
- Support Port review of existing, potential enforcement funding levels and performance targets
- Support Port plans for promenade motorized vehicle ban
- Promote better, safer behaviors in conjunction with engineering changes



Draft Recommendations

Bundle quick-build(s), promenade restrictions, enforcement 'bump'

Provide safety improvements in conjunction with promenade restrictions; leverage media attention

Consider seasonal 'bumps' to reinforce positive behavior

Work with SFPD and potentially redeploy existing PCO resources on periodic enforcement campaigns

Collaborate and involve the Vision Zero Safe Speeds Campaign

Take better advantage of existing Vision Zero resources

Uber/Lyft 'Geofencing' Requests

Collaborate with TNC's to 'self enforce' good behavior & focus loading locations within their apps





Embarcadero Enhancement Project

Project Approvals / Environmental Determination (PAED) Phase

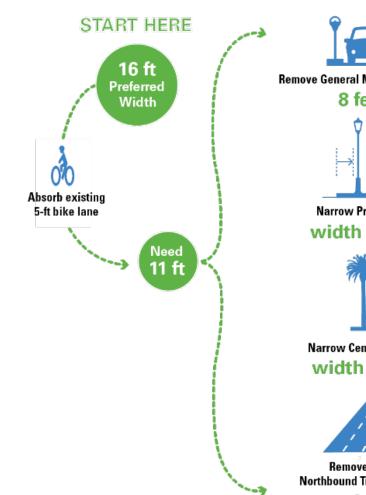
- \$875,000 for preliminary engineering, traffic analysis, and public outreach
- CEQA categorical exemption assumed after historic resources evaluation
- Ongoing coordination with Port Resiliency Program, RFP's for pier redevelopment
- \$12m-\$15m assumed for initial project segment (tentatively the 'southern segment')
- Consultant assistance includes 3D animation(s) of two-way bikeway for public engagement





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Design Strategies

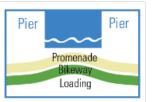


TIER 1 STRATEGIES



Remove 3rd Northbound Travel Lane 11 feet

TIER 2 STRATEGIES



Utilize 'Marginal Wharf' Areas

~8 feet



Bemove Northbound Left-Turn Lane

~11 feet



Consider Streetcar Stop Removal / Relocation

width varies

TIER 3 STRATEGIES



Consider 'Flex Zone' & Time **Restrictions for Loading Access** width varies



Consider 'Mixing Zone' for Shared Pedestrian/Bicycle Access

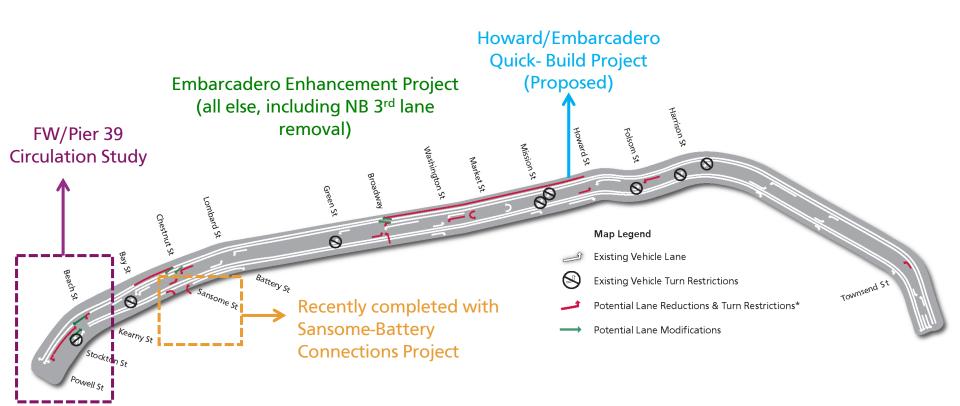
width varies

Design Direction - Bikeway



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Design Direction - Circulation



Assumptions

- Maintain two vehicle through lanes (except potentially NB at Bay Street)
- Seek to remove double-turn lanes if feasible (except at Bay Street)
- Simplify select intersections for safety, bikeway design, and/or for efficiency/transit travel time

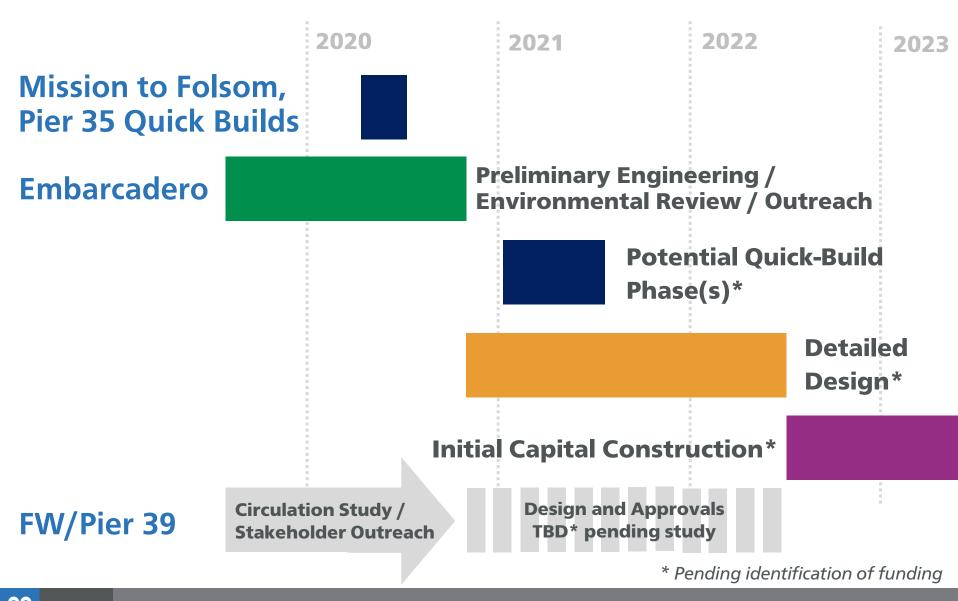
Fisherman's Wharf / Pier 39 Complete Streets Study

- \$175k secured from SFCTA for traffic consultant study
- Goals of better circulation into/out of parking areas, improved transit operations and curb access, and room for Embarcadero bikeway to Jefferson/Powell to improve safety
- Anticipates Jefferson Street Phase 2 improvements
- Plan to form stakeholder 'steering committee' to finalize recommendations

Fisherman's Wharf / Pier 39 Complete Streets Study



Project Timelines (subject to change)



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Thank You!

www.sfmta.com/embarcadero Casey.Hildreth@sfmta.com

