



Embarcadero West

Rail Safety and Access



EXISTING clockwise from top left Embarcadero West at Washington St, Clay St, and Webster St

Existing Conditions & Need

Regional & National Significance

- **65 trains a day** use this corridor, moving freight and passenger rail throughout the U.S.
- The **one-mile rail and roadway** segment along Embarcadero West accounts for **25% of vehicle incidents** along Amtrak's **160-mile** segment from San Jose to Auburn



Existing Conditions & Need

Local Significance

2014 – 2023

- **47** injuries from reported collisions

11 Pedestrian

7 Bicyclist

27 Driver

2017 – 2023

- **390** reported 'vehicle on track' incidents
- **67** in 2023 alone

Embarcadero West: Market St – Oak St



1860s-era shared roadway and rail design is not:

- meeting current rail safety standards
- accessible for people with disabilities
- a welcoming connection to the waterfront



Embarcadero West Rail Safety and Access

www.oaklandca.gov/EmbarcaderoWest



CITY OF
OAKLAND

**DEPARTMENT OF
TRANSPORTATION**

Major
Projects
Division

Project Goals & Opportunity

Project Goals

- Significantly **increase railroad crossing safety** for all users on Embarcadero West
- Improve **reliability for freight and passenger rail** operations
- **Enhance access and connections** to the Jack London District and Waterfront

Opportunity

- Leverage available funding to deliver a once-in-a-century project



Embarcadero West Rail Safety and Access
www.oaklandca.gov/EmbarcaderoWest



CITY OF
OAKLAND

**DEPARTMENT OF
TRANSPORTATION**

Major
Projects
Division

Project Scope



Overweight Corridor

Existing Conditions

2021 – Present Overweight trucks instructed to bypass Adeline Street overpass (*Adeline Bridge*).

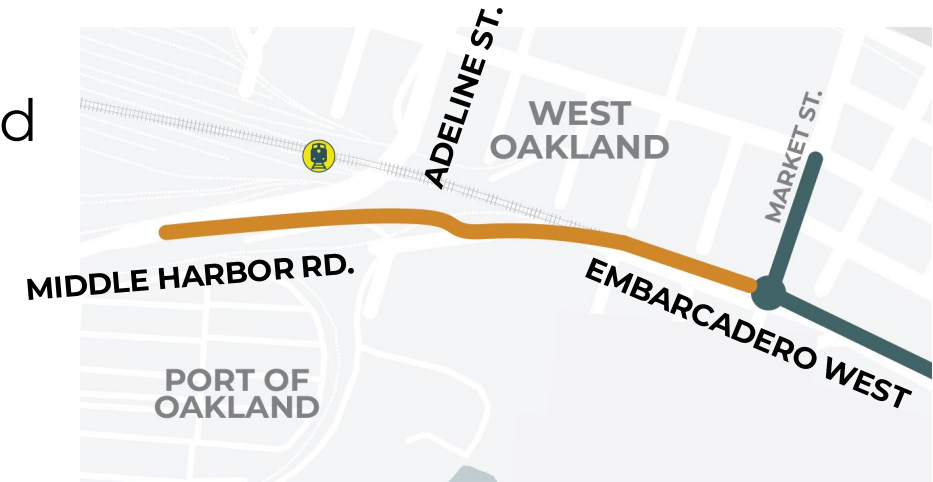
Temporary re-route through residential West Oakland on 7th Street until bridge retrofitted or rebuilt.

Goal

Create near-term route to remove overweight trucks from 7th Street sooner than bridge redevelopment

Proposed

- Rebuild railroad track crossing on Port property to overweight truck standards.
- Establish new temporary overweight route to remain emergency access when bridge is redeveloped. Not intended for public access.



Note

Overweight or Heavyweight trucks:

- 80k – 95k lbs
- Require permits
- Must use designated overweight routes



Embarcadero West Rail Safety and Access

www.oaklandca.gov/EmbarcaderoWest



CITY OF
OAKLAND

**DEPARTMENT OF
TRANSPORTATION**

Major
Projects
Division

Rail Safety and Access

Existing Conditions

Majority of rail incidents occur when vehicles make left turns over tracks

Goal

Reduce opportunities for incidents while maintaining waterfront and business access

Proposed

- Reduction of vehicle traffic on E.W.
- Restricted vehicle turns
- Conversion of vehicle lanes to pedestrian and bike routes



Embarcadero West Rail Safety and Access

www.oaklandca.gov/EmbarcaderoWest



CITY OF
OAKLAND

**DEPARTMENT OF
TRANSPORTATION**

Major
Projects
Division

Rail Safety and Access



PROPOSED Broadway at Embarcadero West *facing south*

- 1 Shared street on northside
- 2 Bollards to slow and direct vehicles
- 3 Westbound vehicles: right turn only
- 4 Wider sidewalks
- 5 Waterfront vehicle access: direct
- 6 Additional lighting
- 7 RR gate arms for vehicles and pedestrians
- 8 Bike lanes and walking path on south side



Embarcadero West Rail Safety and Access

www.oaklandca.gov/EmbarcaderoWest



CITY OF
OAKLAND

**DEPARTMENT OF
TRANSPORTATION**

**Major
Projects
Division**

Rail Safety and Access



PROPOSED Embarcadero West at Franklin St *facing east*

- ① Shared Street
- ② Fencing between intersections
- ③ Track asphalt replaced with gravel between intersections
- ④ Railroad operating width maintained

- ⑤ Additional lighting
- ⑥ 2-way bike lanes
- ⑦ Walking path
- ⑧ Landscaping where feasible



Embarcadero West Rail Safety and Access

www.oaklandca.gov/EmbarcaderoWest

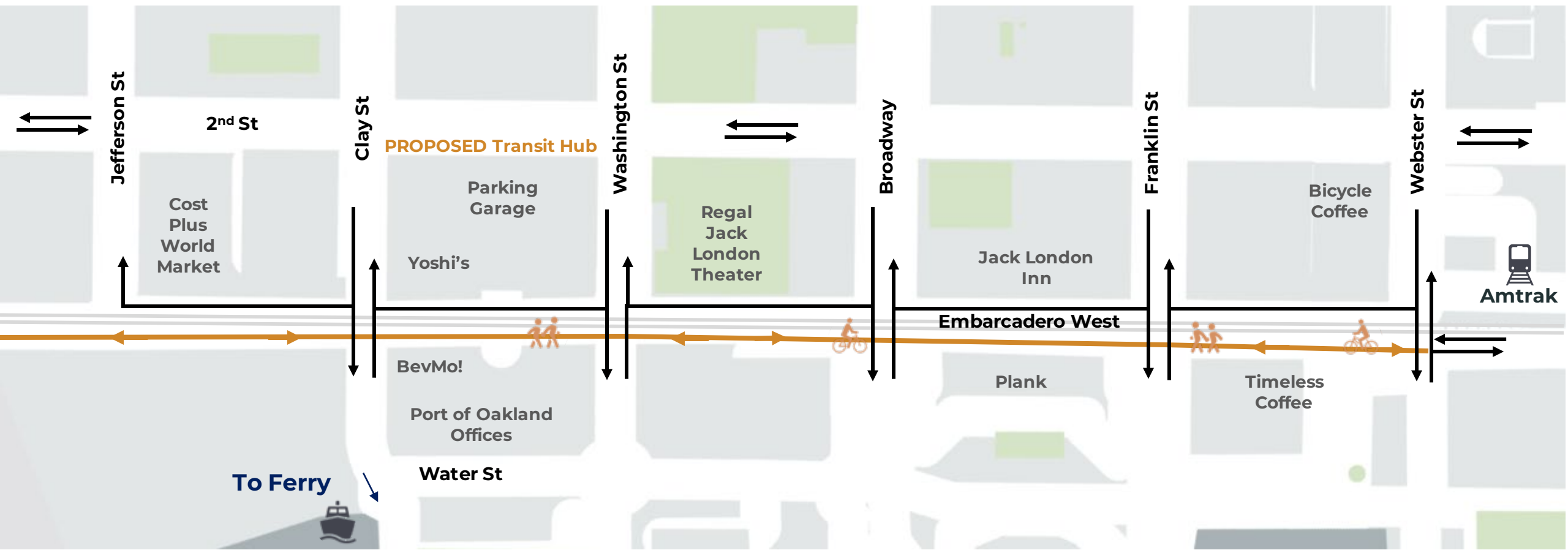


CITY OF
OAKLAND

**DEPARTMENT OF
TRANSPORTATION**

**Major
Projects
Division**

Rail Safety and Access Shared Street and Circulation



Proposed

Permitted Vehicle Access    Pedestrian, Bicycle, Emergency Vehicle Access Only   



Rail Safety and Access Bike Network Connections

Embarcadero West will provide a protected bike lane segment of the **Green Loop**

Loading and parking needs from **Webster St** to **Oak St** under study for potential protected bike lane connection



Embarcadero West Rail Safety and Access

www.oaklandca.gov/EmbarcaderoWest



CITY OF
OAKLAND

**DEPARTMENT OF
TRANSPORTATION**

**Major
Projects
Division**

Rail Safety and Access Urban Design

Goal

Select design elements and materials that:

- Enhance placemaking - a people-centric specific sense of place in the Jack London District
- Are ADA accessible – usable by wide ranging abilities
- Provide safety and comfort between modes
- Support wayfinding and directions
- Are appropriate for short and long term maintenance

Precedent Designs



Project Timelines

	2024	2025	2026	2027	2028	2029	2030
Project Design	35%	65% 100%					
Community Engagement							
Construction							

Major Projects Division will be conducting 35% design through Summer 2024



- **Bicycle and Pedestrian Advisory Committee**
Thursday May 2
 - **Jack London Improvement District**
Tuesday May 7
 - **Mayors Commission Persons with Disabilities**
Monday May 20
 - **Ferry Fest**
Saturday June 1
- **Jack London Square Farmer's Market**
select Sundays in June – July
 - **Jack London Neighborhood Council**
Tuesday June 25
 - **Jack London Brewing District Block Party**
Saturday August 3
 - **National Night Out**
Tuesday August 6
 - **Other Events to be Confirmed**



Community Design Workshop

Join OakDOT Major Projects Division at a public workshop to learn about streetscape and transportation improvements on Embarcadero West in the Jack London District. Light refreshments will be provided.

Community Design Workshop: Embarcadero West Rail Safety and Access

Wednesday July 17, 2024

5:00pm - 7:30pm

BLOC15

252 2nd Street
Oakland, CA 94607

save the
date!

spread
the
word!



Embarcadero West Rail Safety and Access

www.oaklandca.gov/EmbarcaderoWest



CITY OF
OAKLAND

**DEPARTMENT OF
TRANSPORTATION**

**Major
Projects
Division**