



**Waterfront Resilience Program**  
**Wharf J9 Replacement Project**  
Update 11/1/2023



Waterfront Resilience Program



# WRP WHARF J9 REPLACEMENT & RESILIENT SHORELINE PROJECT

Project Overview, November 2023

## Outline

- Waterfront Resilience Program
- Overview of WRP Wharf J9 Replacement Project
- Phase 1: Construct Float & Gangway, June 2024 thru Nov 2024
- Phase 2: Replace Seawall and Wharf 2027 to 2030 TBD

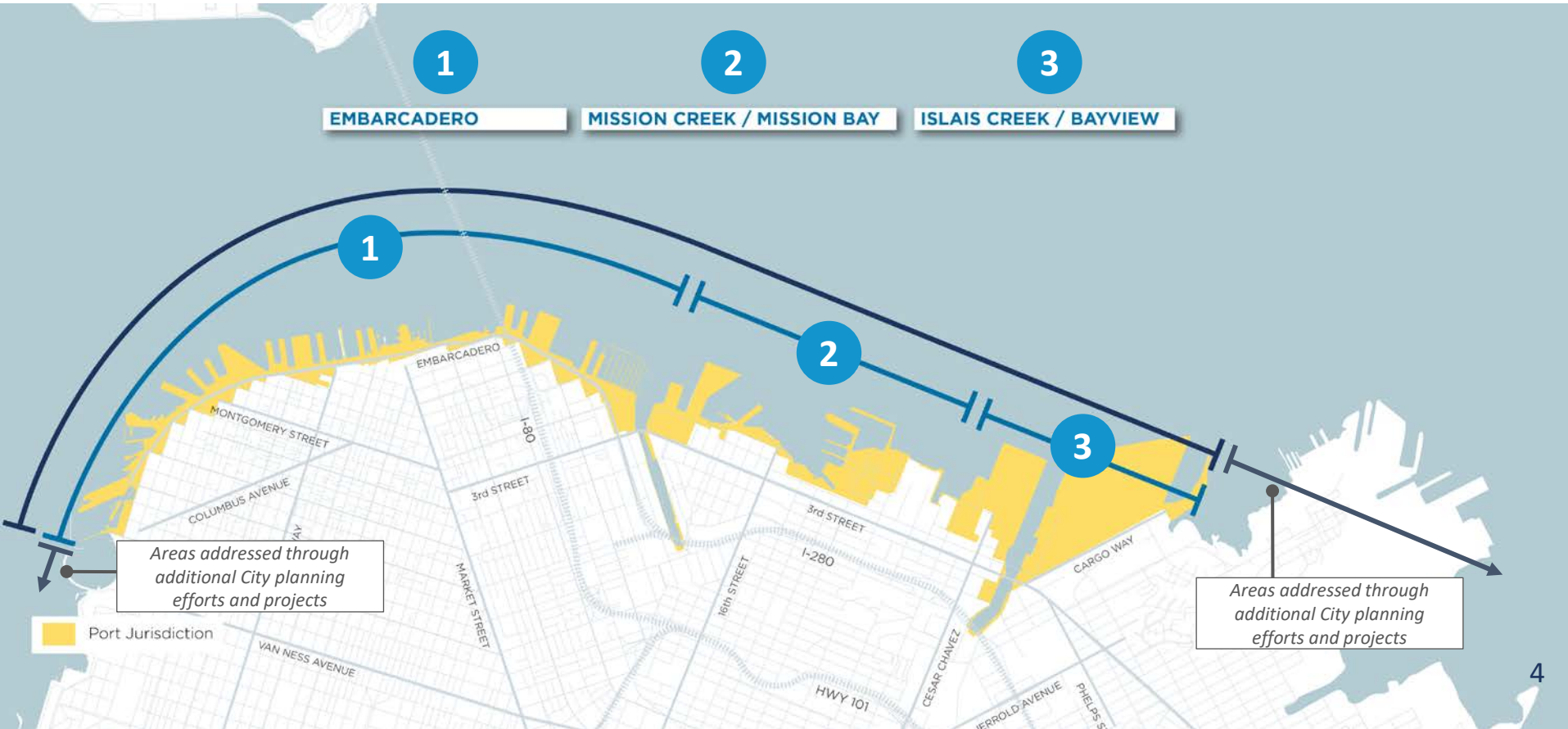
# WATERFRONT RESILIENCE PROGRAM VISION STATEMENT

The Port's Waterfront Resilience Program will take actions to **reduce seismic and climate change risks** that support a safe, equitable, sustainable, and vibrant waterfront.



# PROGRAM AREA

## Waterfront Resilience Program and SF Waterfront Coastal Flood Study



# SAN FRANCISCO WATERFRONT ADAPTATION STRATEGIES



# DEFINING EMBARCADERO EARLY PROJECTS

## Goals for Embarcadero Early Projects



Identify  
Implementable  
Projects



Reduce EQ Risk  
Prioritize Life Safety +  
Disaster Response  
Capability



Reduce Flood Risk  
Near-Term Flood  
Defenses & Later  
Adaptation

# EMBARCADERO EARLY PROJECTS LIST



## 23 Embarcadero Early Projects Identified

- 11 to advance to pre-design using Proposition A funding
- 5 on hold pending USACE First Action Decision
- 7 advancing through coordination with long-term Port tenants, capital programs, and City agency coordination

## PROJECT LIST:

- 1 Joint Operations Security Center and Fuel Dock Reliability Project
- 2 Wharf J9 Replacement and Resilient Shoreline Project**
- 3 Taylor Street Seawall Earthquake Stabilization Project
- 4 Pier 45 Apron Earthquake Safety Retrofit and Flood Risk Reduction
- 5 Pier 43-1/2 Seawall and Wharf Earthquake Safety Project
- 6 Pier 41 Seawall Earthquake Stabilization and Wharf Retrofit
- 7 Pier 39 Seawall EQ Stabilization & Wharf Retrofit/Replacement
- 8 Pier 33 to 35 Seawall and Wharf Earthquake Reliability Project
- 9 Pier 31-1/2 Bulkhead Wall and Wharf Earthquake Safety Retrofit
- 10 Pier 27 Seawall and Wharf Earthquake Reliability Project
- 11 Pier 15 Bulkhead Wall and Wharf Earthquake Safety Retrofit**
- 12 Pier 9 Bulkhead Wall and Wharf Earthquake Safety Retrofit**
- 13 Pier 9 Historic Shed Building Earthquake Safety Retrofit Project
- 14 Pier 1 Bulkhead Wall and Wharf Earthquake Reliability Project
- 15 Ferry Building Seawall & Substructure Earthquake Reliability**
- 16 Agriculture Building Bulkhead Wall and Wharf Earthquake Safety
- 17 Downtown Coastal Resilience Project**
- 18 Pier 24 to Pier 28-1/2 Bulkhead Wall and Wharf Earthquake Safety**
- 19 EFWS, Intake Tunnel #1 Earthquake Reliability Project
- 20 Giants Seals Plaza Seawall Earthquake Stabilization Project
- 21 Pier Fire Suppression & Waterside Evacuation Improvements
- 22 EFWS Fireboat Manifold Earthquake Resilience Project (P35.5)**
- 23 Pier Utility Connection Earthquake Retrofits at Seawall

# WHARF J9 REPLACEMENT & RESILIENT SHORELINE PROJECT

## Background and Project Site



- Failing Wharf J9 is currently closed to the public and berthing due to structural deterioration
- Shoreline has high risk of earthquake lateral spreading
- Wharf J9 and Al Scoma Way contribute to Fish Alley Historic Character District
- Emerging flood risk from Sea Level Rise, however, breakwater protects harbor from waves giving more time.



# WHARF J9 REPLACEMENT & RESILIENT SHORELINE PROJECT

## Project Vision



*Replace Wharf J9 Seawall and Wharf to create an earthquake and flood resilient shoreline section in the Fisherman's Wharf Outer Lagoon.*

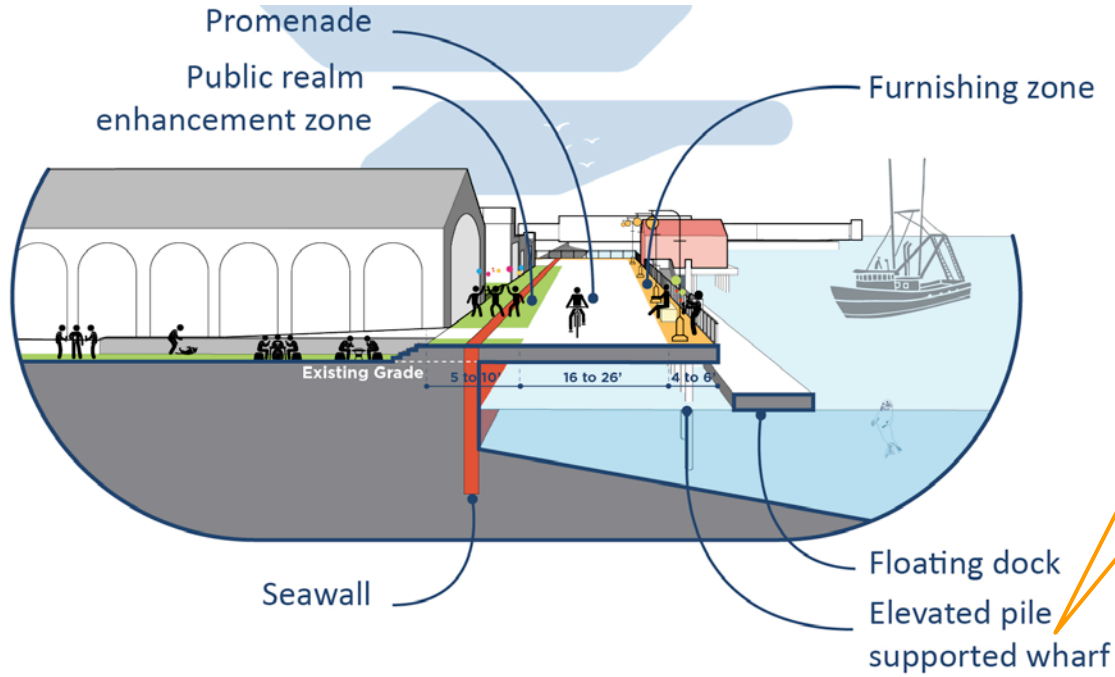
*Include floating dock berthing for ADA accessibility to fishing industry including off the boat fish sales*

*Improve disaster response capability by providing earthquake reliable EFWS Fireboat Hydrant and berths*

*Improve public realm to better connect residents and visitors to working fishing industry and create a continuous waterfront experience*

# WHARF J9 REPLACEMENT & RESILIENT SHORELINE PROJECT

**Activate Wharf J9**  
 Build in flexibility with historic structures  
 Attract residents and visitors & continuous waterfront access



**Access to the fishing fleet**  
 Improve lightening and seating  
 Build in flexibility with SLR adaptability

**Existing building**

**Public Realm Enhancement zone**

**Fire Lane / Promenade**

**Furnishing zone**

**Floating Berth**

Existing wharf 20' with 10' fix berth fingers / Recommend wharf 20' min. plus floating dock

Building Facade

**PUBLIC SPACE**

Wharf edge

Provide emergency vehicle access  
 20' wide - free of obstacles



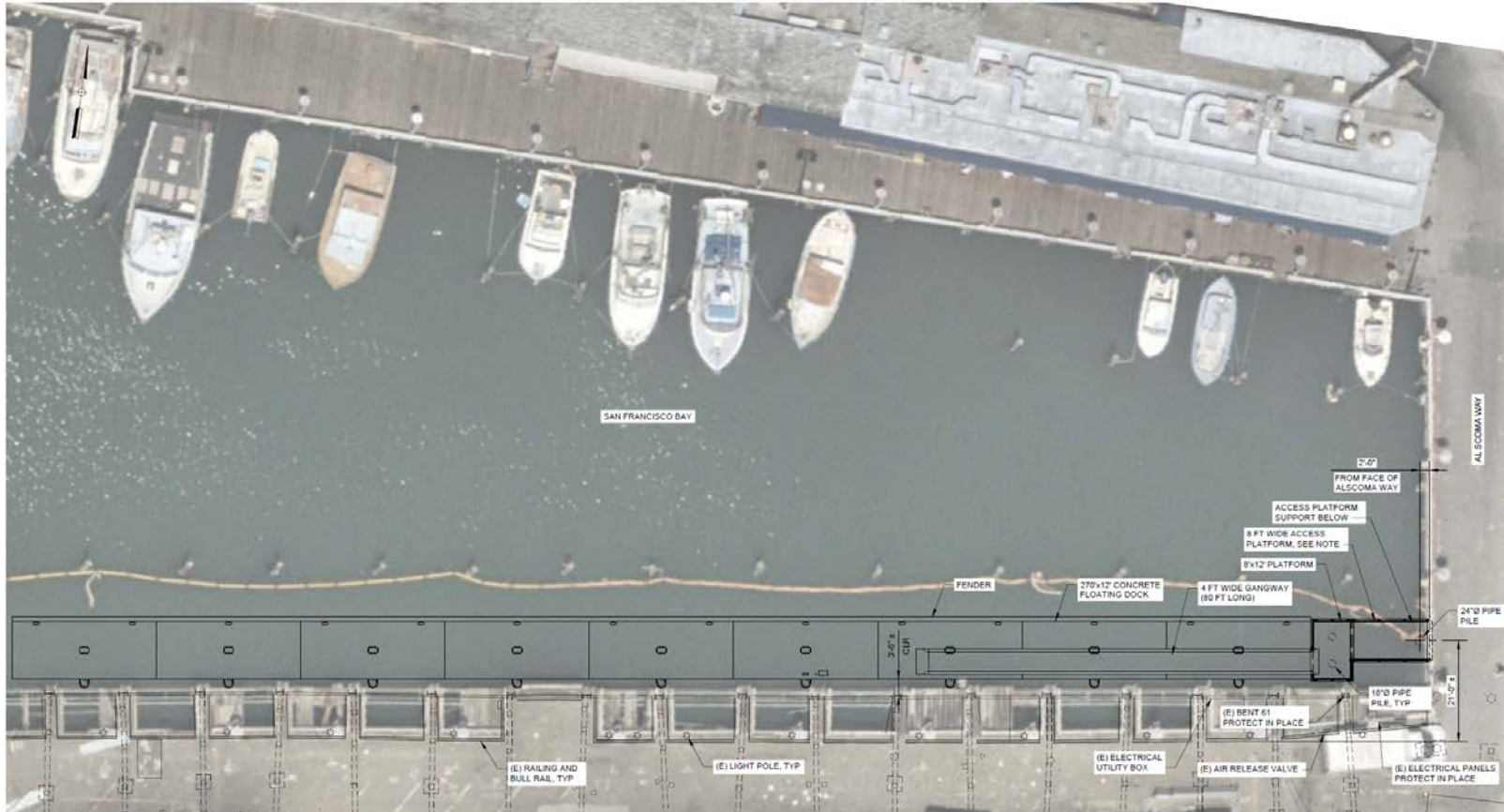
# WHARF J9 REPLACEMENT & RESILIENT SHORELINE PROJECT

## Project Delivery Plan

- Phase 1: Construct Float & Gangway, June 2024 thru Nov 2024
  - 12ft x 270ft Concrete Float, Gangway & Landing
  - Install adjacent to Wharf J9, Connect to Scoma Way Bridge
  - Dredge Outer Lagoon, June 2024
  - Install Float & Gangway July thru Sept 2024, open Nov 2024
- Phase 2: Replace Seawall and Wharf 2027 to 2030 TBD
  - Relocate Float
  - Demolish Wharf J9 & bulkhead
  - Construct New Seawall & Wharf
  - Re-install Float and Gangway, connecting to Wharf J9

# WHARF J9 REPLACEMENT & RESILIENT SHORELINE PROJECT

## Phase 1 Float & Gangway



# WHARF J9 REPLACEMENT & RESILIENT SHORELINE PROJECT

## Phase 1 Float & Gangway

