

# **SAN FRANCISCO-OAKLAND BAY BRIDGE EAST SPAN SEISMIC SAFETY PROJECT**

## **BCDC COMMISSION HEARING**

**JULY 19, 2018**

**AGENDA ITEM NO. 8**

**AMENDMENT REQUEST TO BCDC PERMIT NO. 2001.008**



## **SPEAKERS**

- **STEFAN GALVEZ, CALTRANS**
- **BLAKE SANBORN, AECOM**





# PARTNERS



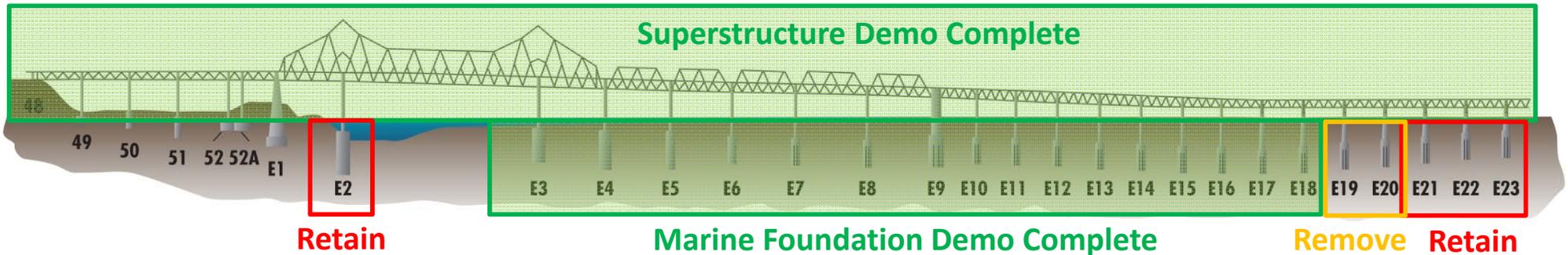


# SFOBB PROJECT UPDATE



Yerba Buena Island

Oakland





# PROJECT SCHEDULE

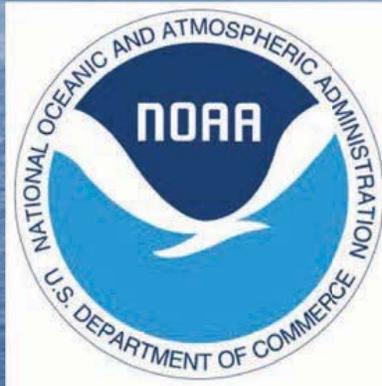
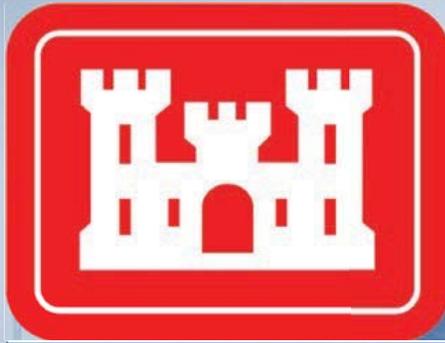
## PIER RETENTION PROJECT MILESTONES

- In-water Construction July – December 2018
- Opening to the Public – Spring 2019
  
- Controlled Implosion – September 2018
- Clean-up – October-November 2018





# AGENCIES

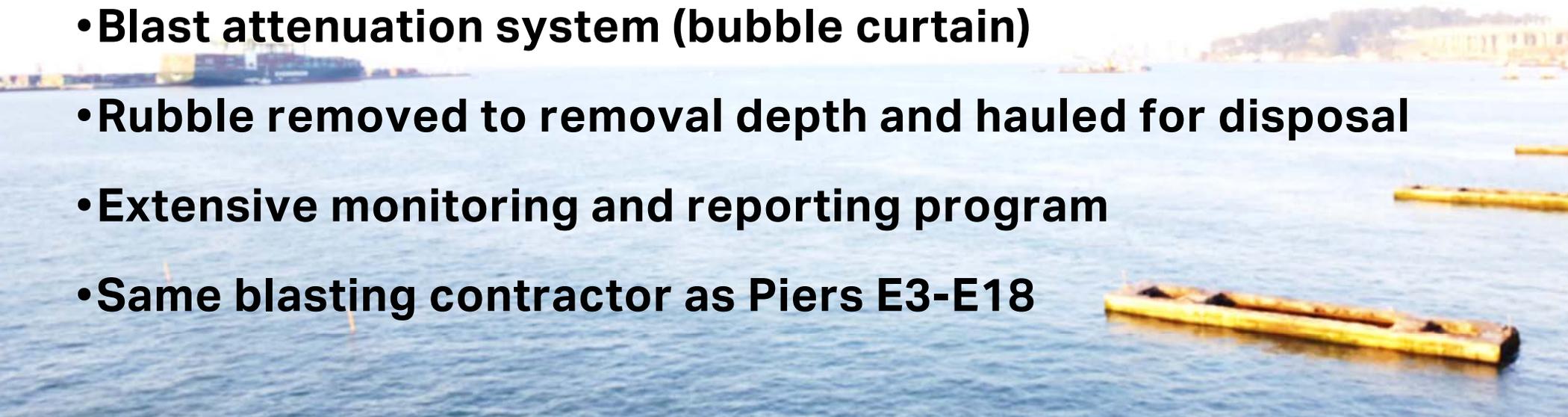




# PIERS E19 / E20

## Controlled Blasting of Piers E19 and E20

- Two of the smallest piers, to be removed via controlled implosion
- Single blast event conducted in sequence
- Blast attenuation system (bubble curtain)
- Rubble removed to removal depth and hauled for disposal
- Extensive monitoring and reporting program
- Same blasting contractor as Piers E3-E18



**Implosion Video**  
**Piers E11-E13**  
**10/14/17**



# PIER RETENTION SITES



**PIER E2**

**PIERS E19-E23**



# YERBA BUENA ISLAND SITE





# CONTEXT





# EXISTING CONDITIONS





# YBI SITE FEATURES





# VIEW TOWARD BRIDGE LANDING





# VIEW TOWARD OAKLAND



**STEPS TO BRIDGE LANDING**

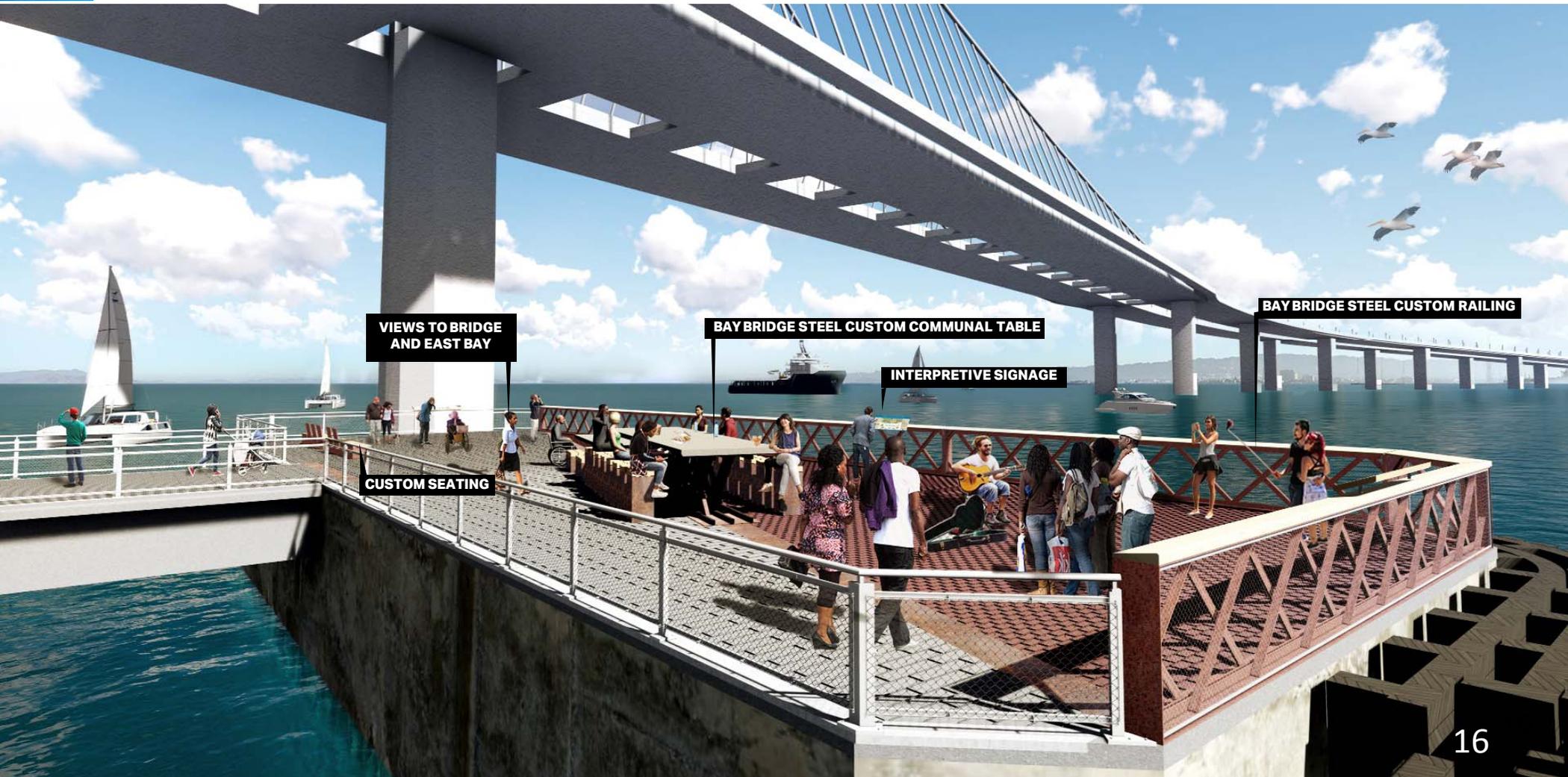
**SHADE TREE**

**BAY BRIDGE STEEL COUNTER WITH SEATING**

**SEAT STEPS**



# VIEW TOWARD BAY BRIDGE



**VIEWS TO BRIDGE  
AND EAST BAY**

**BAY BRIDGE STEEL CUSTOM COMMUNAL TABLE**

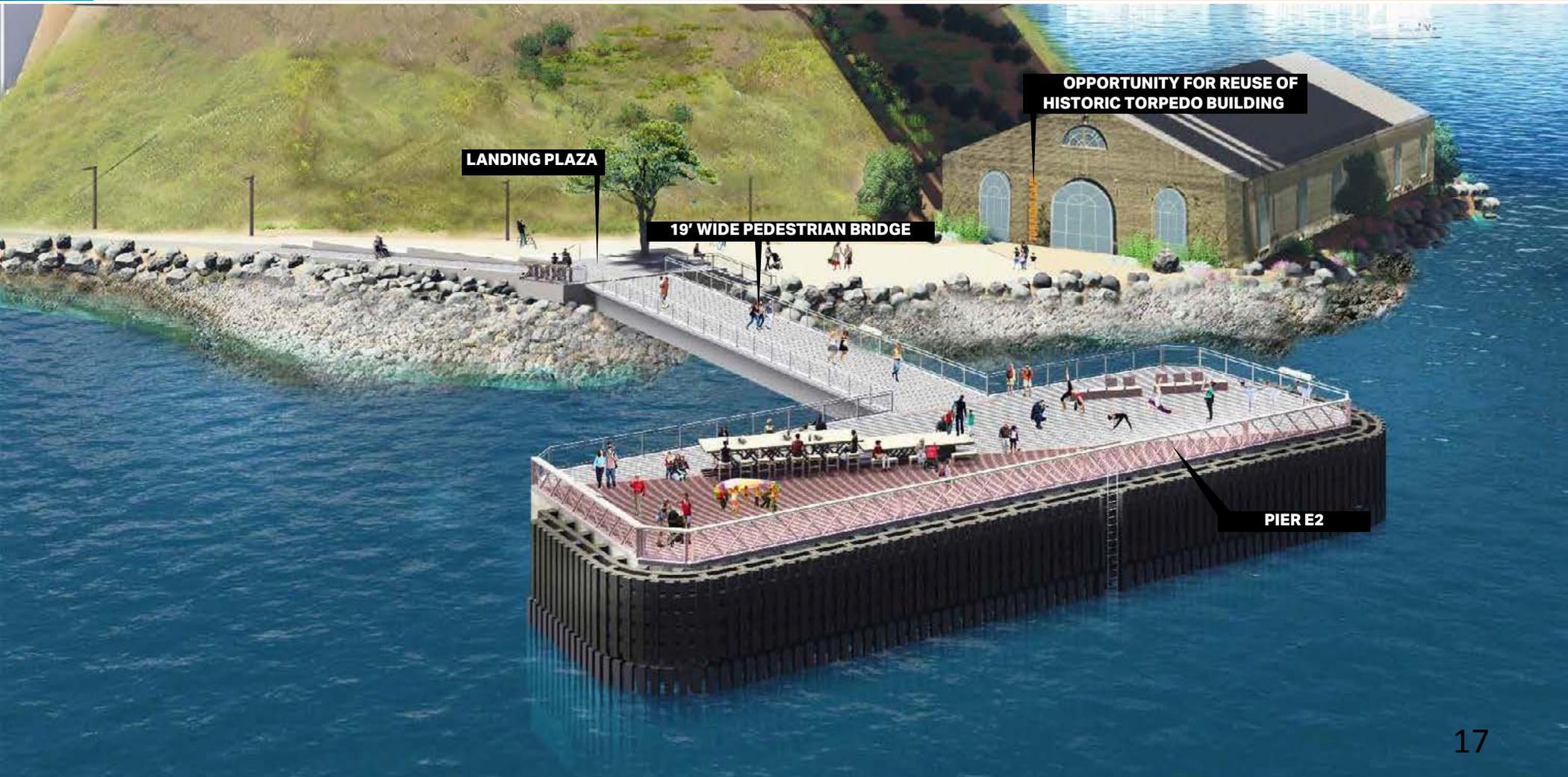
**INTERPRETIVE SIGNAGE**

**CUSTOM SEATING**

**BAY BRIDGE STEEL CUSTOM RAILING**



# AERIAL VIEW

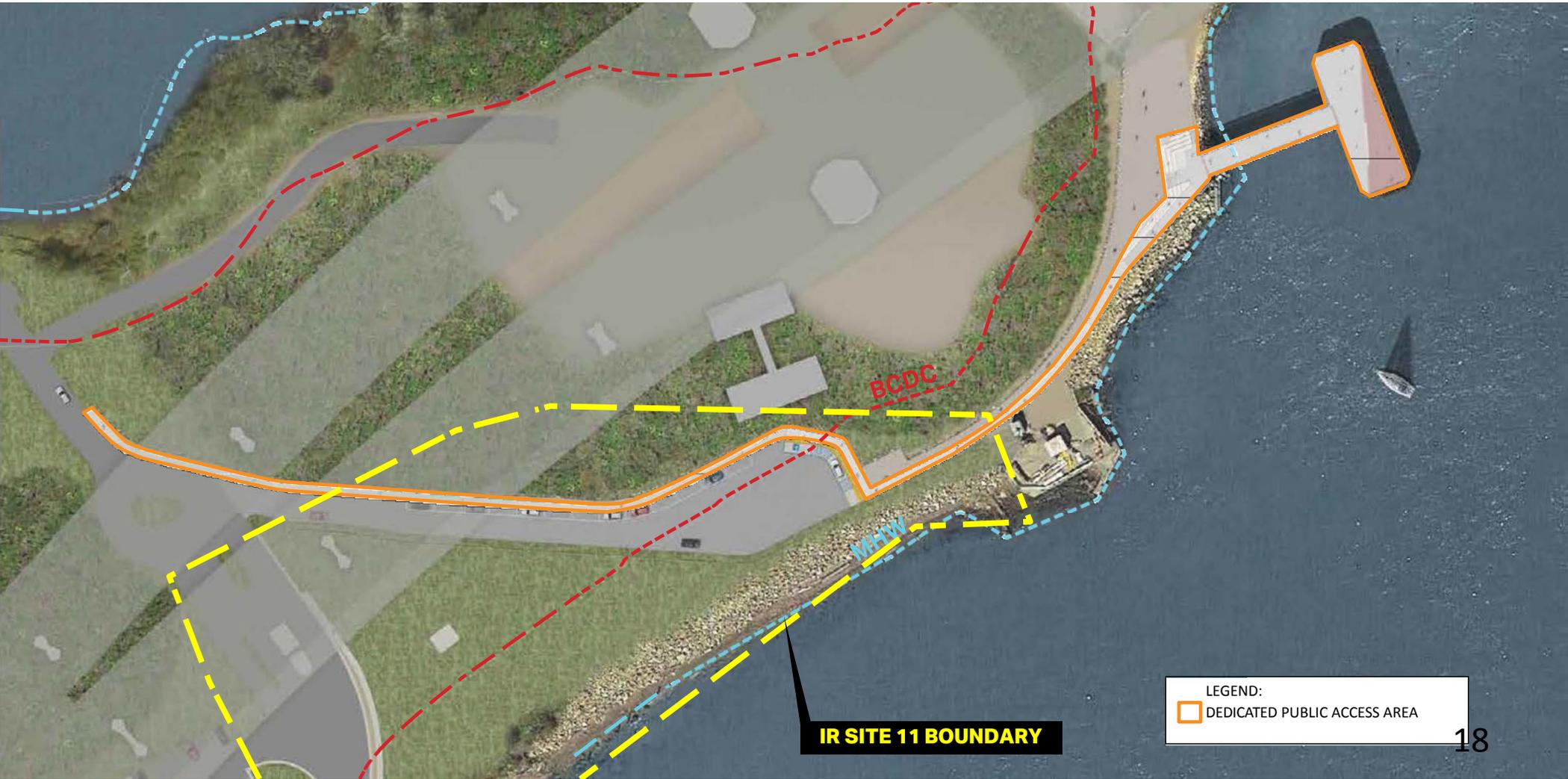


LANDING PLAZA

19' WIDE PEDESTRIAN BRIDGE

OPPORTUNITY FOR REUSE OF  
HISTORIC TORPEDO BUILDING

PIER E2



**IR SITE 11 BOUNDARY**

LEGEND:  
DEDICATED PUBLIC ACCESS AREA



# DEDICATED PUBLIC ACCESS



**PEDESTRIAN AND BICYCLE SHARED PATH**

**PEDESTRIAN BRIDGE AND OBSERVATION DECK**

LEGEND:

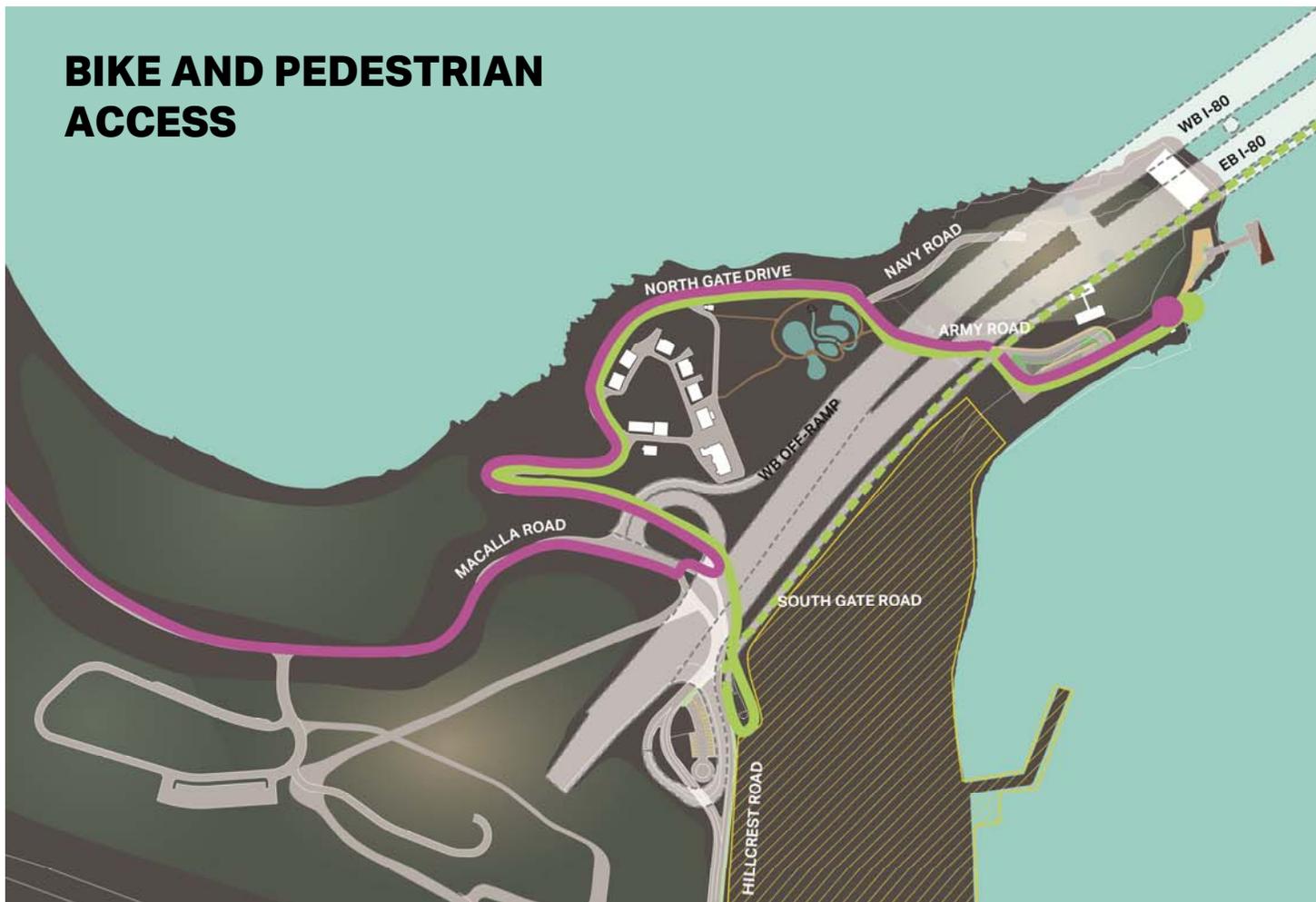
- ① 12' SHARED PATH/MAINTENANCE ROAD
- ② SLOPED WALKWAY
- ③ SEAT STEPS
- ④ RE-PURPOSED STEEL AND WOOD COUNTER WITH BAR SEATING
- ⑤ BENCH(ES)
- ⑥ COMMUNAL TABLE
- ⑦ BIKE RACKS
- ⑧ SWING GATE
- ⑨ VEHICULAR DROP-OFF (ADA)
- ⑩ PARKING
- ⑪ BIOSWALE

LEGEND:

- ▭ DEDICATED PUBLIC ACCESS AREA

# ACCESS & CIRCULATION

## BIKE AND PEDESTRIAN ACCESS



VIEW OF BAY BRIDGE TRAIL LANDING

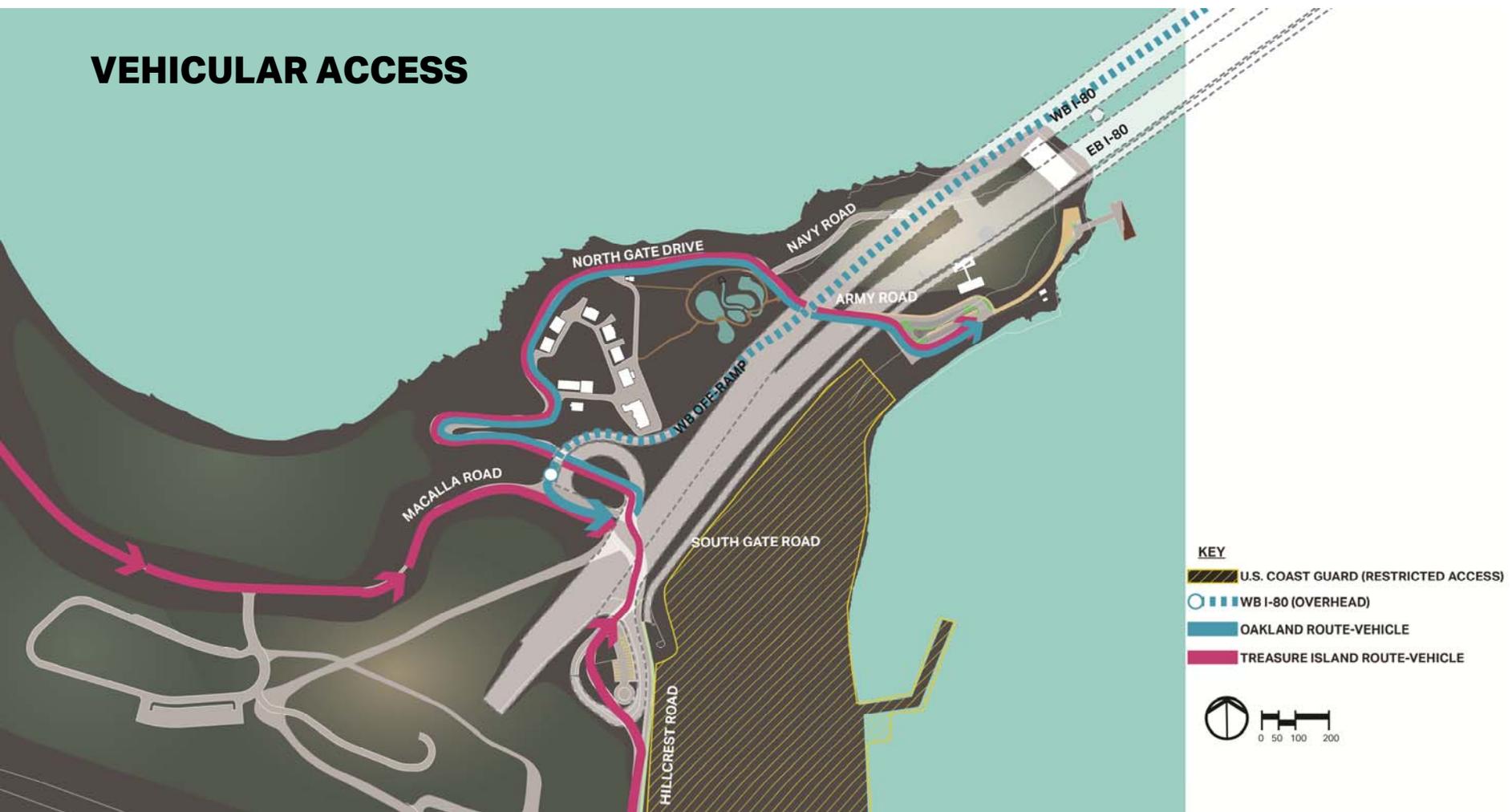
 OAKLAND ROUTE-BIKE  
 TREASURE ISLAND-BIKE





# ACCESS & CIRCULATION

## VEHICULAR ACCESS





# OAKLAND SITE LOCATION



**PIERS E19-E23**

# SITE FEATURES



**NORTH BAY +  
MOUNT TAM**



**OAKLAND  
SKYLINE**



**BAY BRIDGE**



**FUTURE  
GATEWAY PARK**



**BAY TRAIL**



**BRIDGEYARD  
BUILDING**



**CITY SKYLINE  
VIEWS**



**HISTORICAL  
BUILDINGS**

**PROPOSED  
PARKING**

**PROPOSED  
PARKING**



**INDUSTRIAL  
WATERFRONT**



# PROPOSED GATEWAY PARK





# EXISTING SITE



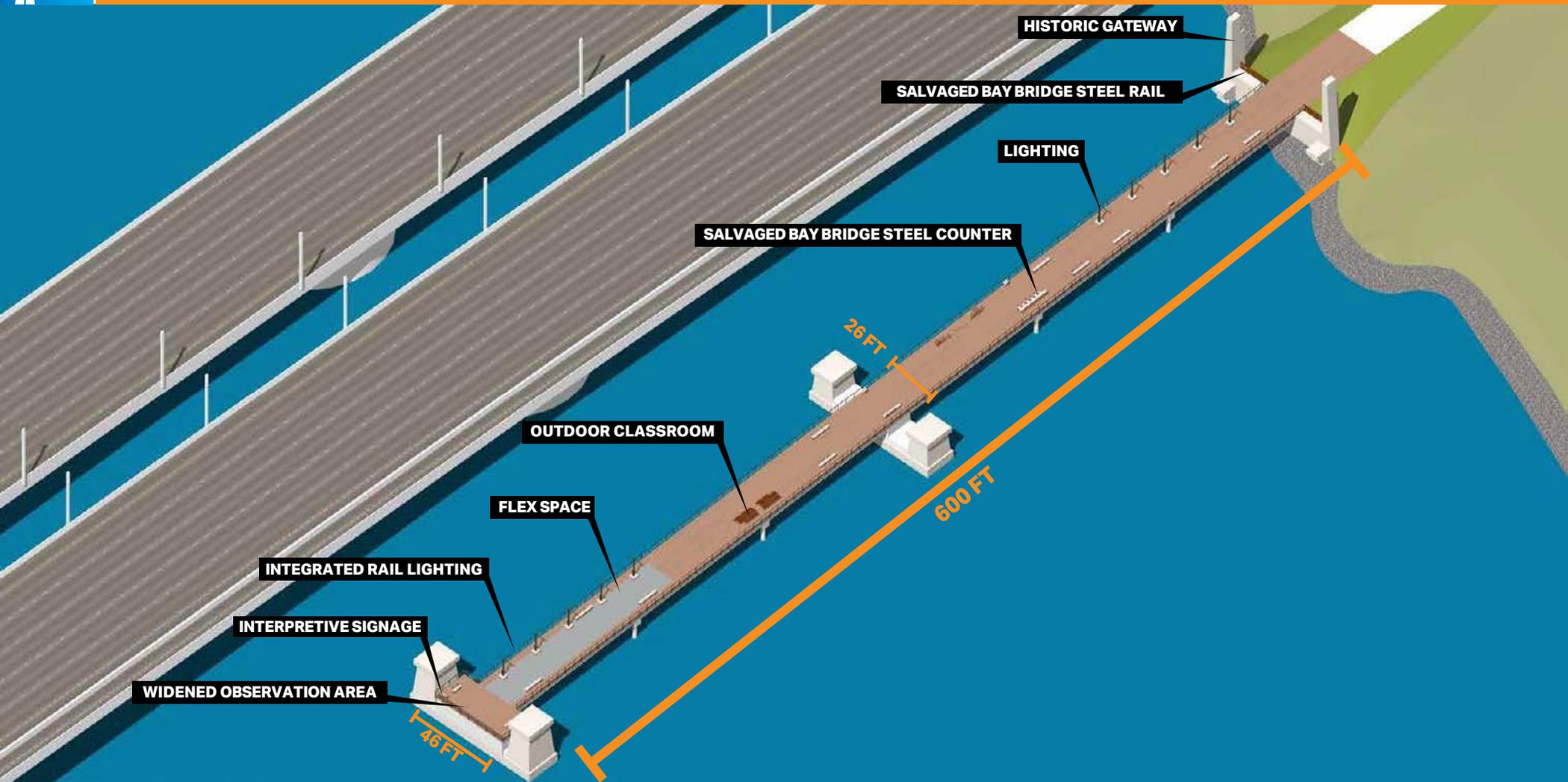


# EXISTING CONDITIONS



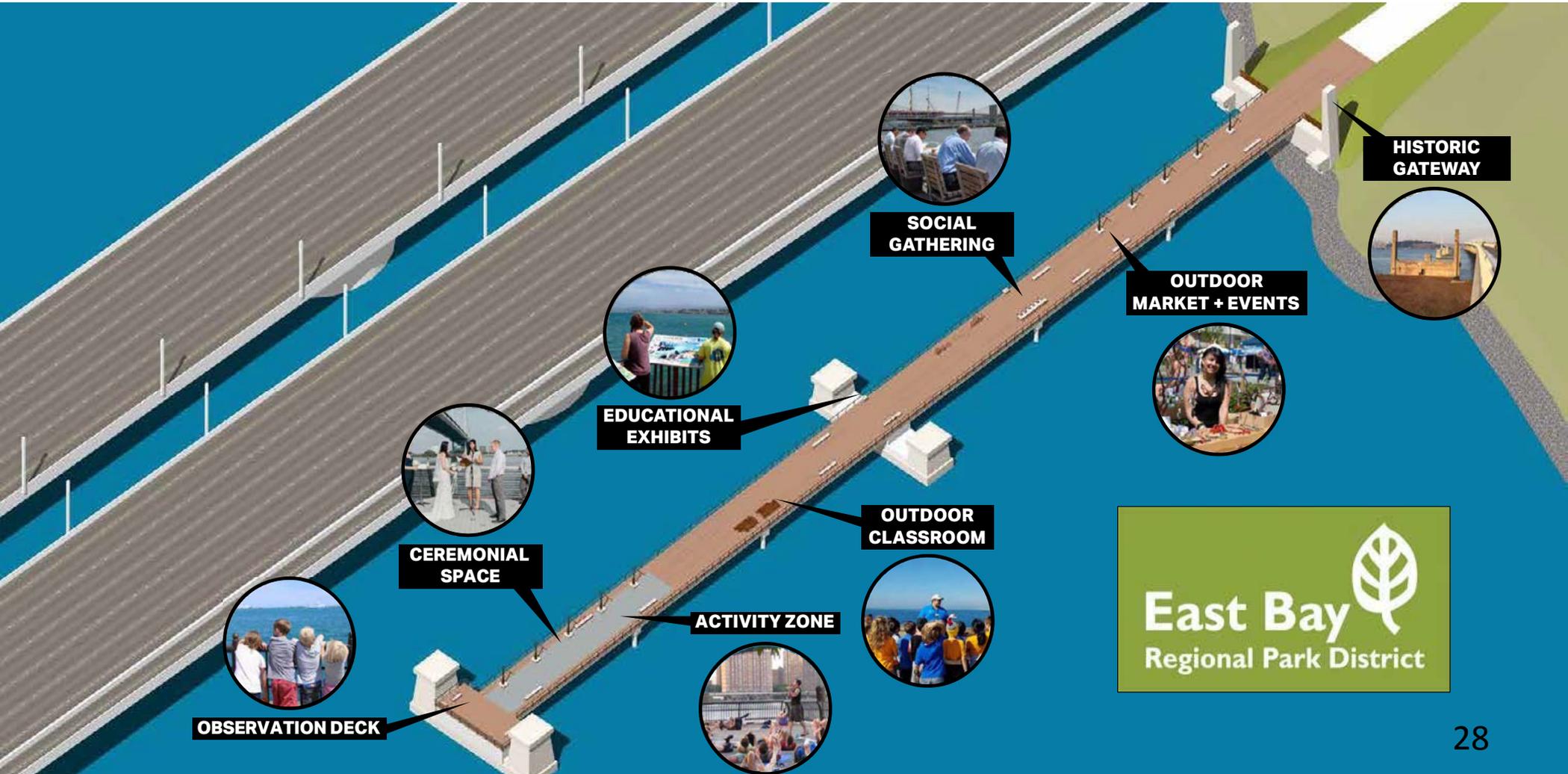


# PIER DETAIL





# PROGRAMMING OPPORTUNITIES





# VIEW



**HISTORIC PIER E23**

**SALVAGED BAY BRIDGE STEEL**

**ENTRY TO PIER**

**UNIVERSALLY ACCESSIBLE ENTRY TO PIER**



EDUCATIONAL EXHIBITS

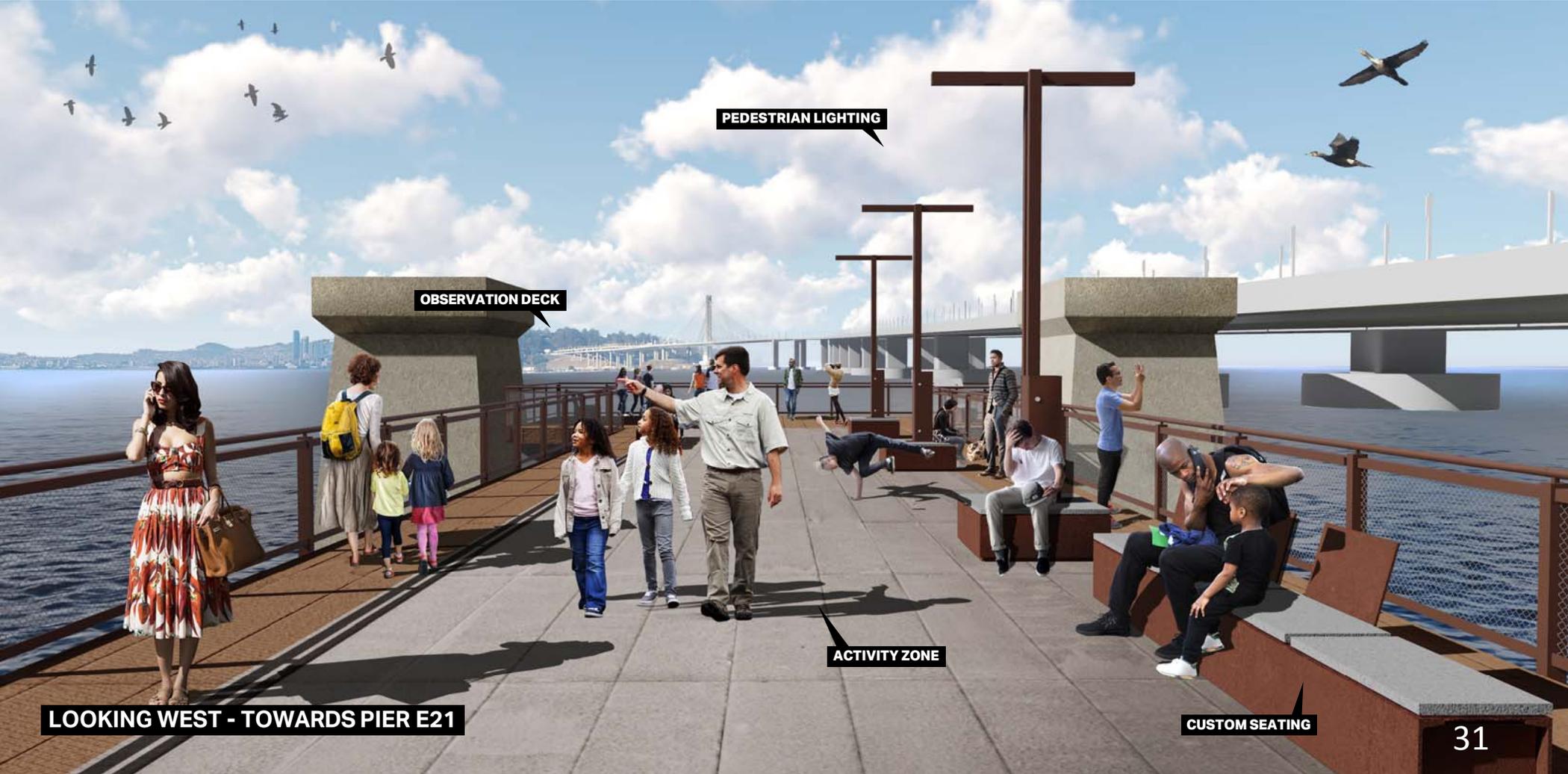
CUSTOM SEATING

LOOKING EAST - TOWARDS PIER E23

SALVAGED BAY BRIDGE STEEL COUNTER



# VIEW





# VIEW



**LOOKING SOUTHWEST - FROM BAY BRIDGE BICYCLE PATH**



# ACCESS & CIRCULATION

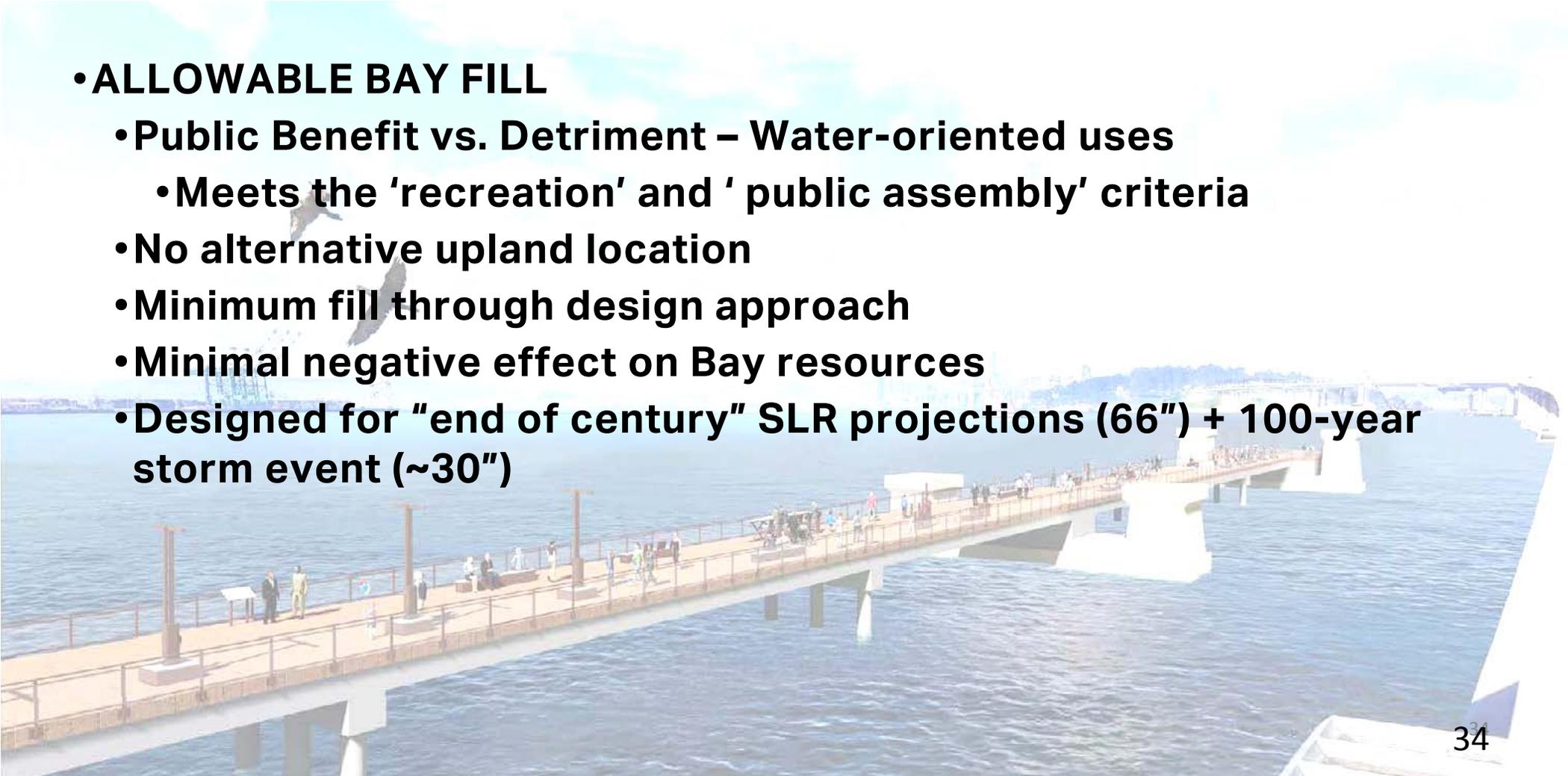




# POLICY

- **ALLOWABLE BAY FILL**

- **Public Benefit vs. Detriment – Water-oriented uses**
  - Meets the 'recreation' and 'public assembly' criteria
- **No alternative upland location**
- **Minimum fill through design approach**
- **Minimal negative effect on Bay resources**
- **Designed for "end of century" SLR projections (66") + 100-year storm event (~30")**





# POLICY

- **MAXIMUM FEASIBLE PUBLIC ACCESS**

- **Creates new public access to the shoreline and over the water**
- **Connects to existing public access networks**
- **Synergizes with long-term public access developments**





# CONCLUSION

- **Creates new public assets unlike anything in the Bay**
- **Views of the SFOBB that cannot be replicated elsewhere**
- **Renews interest in shoreline access in both locations**
- **Provides much-needed public open space on the Bay**





# THANK YOU

