$400M General Obligation Bond authorized in June 2014 with approval by 79% of voters

- Neighborhood Fire Stations $85M
- Emergency Firefighting Water System $55M
- District Police Stations and Infrastructure $30M
- Motorcycle Police and Crime Lab $165M
- Medical Examiner Facility $65M
PROJECT SITE OVERVIEW – PIER 22 ½

- **Central location** along the San Francisco Waterfront with direct access to the San Francisco Bay
  - Newly developed Mission Bay and Hunter's Point / Shipyard neighborhoods
  - Approx. 2.3 miles to UCSF Medical Center at Mission Bay; approx. 1.9 miles to St. Francis Memorial Hospital; approx. 4 miles to ZSFGH
  - Close proximity to Bay Bridge

- **Close proximity to Historic Firehouse 35**
  - Engine Company No. 35 (2 firefighters, 1 medic, 1 officer) staff the fireboat during marine calls for service
  - Historic firehouse will continue to deploy the engine for landside operations

- **No additional seismic upgrade work to the existing pier**
  - Structural repair, stabilization, and maintenance work to the pier substructure below the bulkhead building was completed in 2009
CONTEXT
RELATIVE SCALE

Pier 26 - Adjacent Pier

Pier 28

Pier 15 - Exploratorium

Pier 27 - Cruise Ship Terminal

Pier 22.5 - Fire Station 35
LEVEL 2 PLAN

FIREBOAT STATION 35 AT PIER 22 1/2
SAN FRANCISCO HISTORIC PRESERVATION COMMISSION
ARCHITECTURAL REVIEW COMMITTEE MEETING – JUNE 6, 2018
ROOF PLAN

FIREBOAT STATION 35 AT PIER 22 ½
SAN FRANCISCO HISTORIC PRESERVATION COMMISSION
ARCHITECTURAL REVIEW COMMITTEE MEETING – JUNE 6, 2018

FUTURE PHOTOVOLTAIC PANELS
BUILDING CROSS-SECTION
ELEVATIONS

NORTH ELEVATION

STEEL OBSERVATION DECK
OPERABLE WINDOW SYSTEM
INSULATED METAL PANEL
CORRUGATED DS60
SILVER/MARINE FINISH

METAL MARINE FLOOR
STEEL PLATE
STEEL CHANNEL CANOPY
ALUMINUM
ALUMINUM
OVERHEAD DOORS
CURTAIN WALL

WARM GREY
ELEVATIONS

SOUTH ELEVATION

- Operable Window System
- Insulated Metal Panel Corrugated DS60
- Silver/Marine Finish
- Steel Observation Deck
- Metal Marine Floor
- Steel Plate Warm Grey
- Steel Channel Canopy
- Aluminum Overhead Doors
- Aluminum Curtain Wall
ELEVATIONS

WEST ELEVATION

EAST ELEVATION
EMBARCADERO (SOUTH) PERSPECTIVE
PHOTOMONTAGE

EMBARCADERO PROMENADE LOOKING SOUTH (BEFORE)
EMBARCADERO PROMENADE LOOKING SOUTH (AFTER)
PHOTOMONTAGE
HARRISON STREET CORRIDOR LOOKING EAST (EXISTING)
PHOTOMONTAGE

HARRISON STREET CORRIDOR LOOKING EAST (AS PROPOSED)
PHOTOMONTAGE

RINCON PARK LOOKING SOUTH (AFTER)
EXISTING FIRE HOUSE WITH FLOATING FIRE HOUSE

LEGEND

1. **+16.6’ NAVD88**
   - PROJECTED DESIGN 2100 TWL (80 YRS)
   - 9.8’ BFE + 2.3’ WAVE RUNUP & SETUP + 4.5’ SLR

2. **+14.9’ NAVD88**
   - PROJECTED DESIGN 2070 TWL (50 YRS)
   - 9.8’ BFE + 2.3’ WAVE RUNUP & SETUP + 2.8’ SLR

3. **+12.1’ NAVD88 CURRENT DESIGN TWL**
   - 9.8’ BFE + 2.3’ WAVE RUNUP & SETUP

4. **+9.17’ NAVD88 PROJECTED 2070 MHHW (50 YRS)**
   - 6.37’ DESIGN MHHW + 2.8’ SLR

EXISTING:

- DESIGN MHHW = +6.37’ NAVD88
- DESIGN BFE (100 YR SWL) = +9.8’ NAVD88

2070 (50 YR PROJECTED LIFE):

- OPC SLR = 3.5 ft = 42’
- DESIGN SLR = 2.8 ft = 33.6’
- DESIGN MHHW + SLR = +9.17’ NAVD88
- DESIGN BFE + SLR = +12.6’ NAVD88

2100 (80 YR PROJECTED LIFE):

- OPC SLR = 6.9 ft = 83’
- DESIGN SLR = 4.5 ft = 54’
- DESIGN MHHW + SLR = 10.9’ NAVD88
- DESIGN BFE + SLR = 14.3’ NAVD88

MHHW = MEAN HIGHER HIGH WATER
NAVD88 = NORTH AMERICAN VERTICAL DATUM OF 1988
SLR = SEA LEVEL RISE
SWL = STILL WATER LEVEL
BFE = BASE FLOOD ELEVATION (100 YEAR SWL)
TWL = TOTAL WATER LEVEL = 100 YEAR SWL + WAVE SETUP & RUNUP
OPC = OCEAN PROTECTION COUNCIL

NOTES:
1. CURRENT TIDAL DATA BASED ON NOAA TIDAL STATION ID 9414750.
2. TIDAL DATA ABOVE DOES NOT INCLUDE CONSIDERATION FOR EL NINO EVENTS, STORM SURGE, STORM WAVES, AND WAVE RUN-UP WHICH ALL AFFECT THE LOCAL WATER LEVEL IN ADDITION TO SEA LEVEL RISE.
3. BASED ON OCEAN PROTECTION COUNCIL (OPC) 2018 STATE OF SEA LEVEL RISE GUIDANCE DOCUMENT (MEDIUM-HIGH RISK AVERSION WITH HIGH EMISSIONS).