

PORT CAPITAL BUDGET FISCAL YEARS 2022-23 AND 2023-24

Capital Planning Committee
April 18, 2022

Presented By:

Katie Petrucione, Deputy Director Finance and Administration
Brad Benson, Waterfront Resilience Director

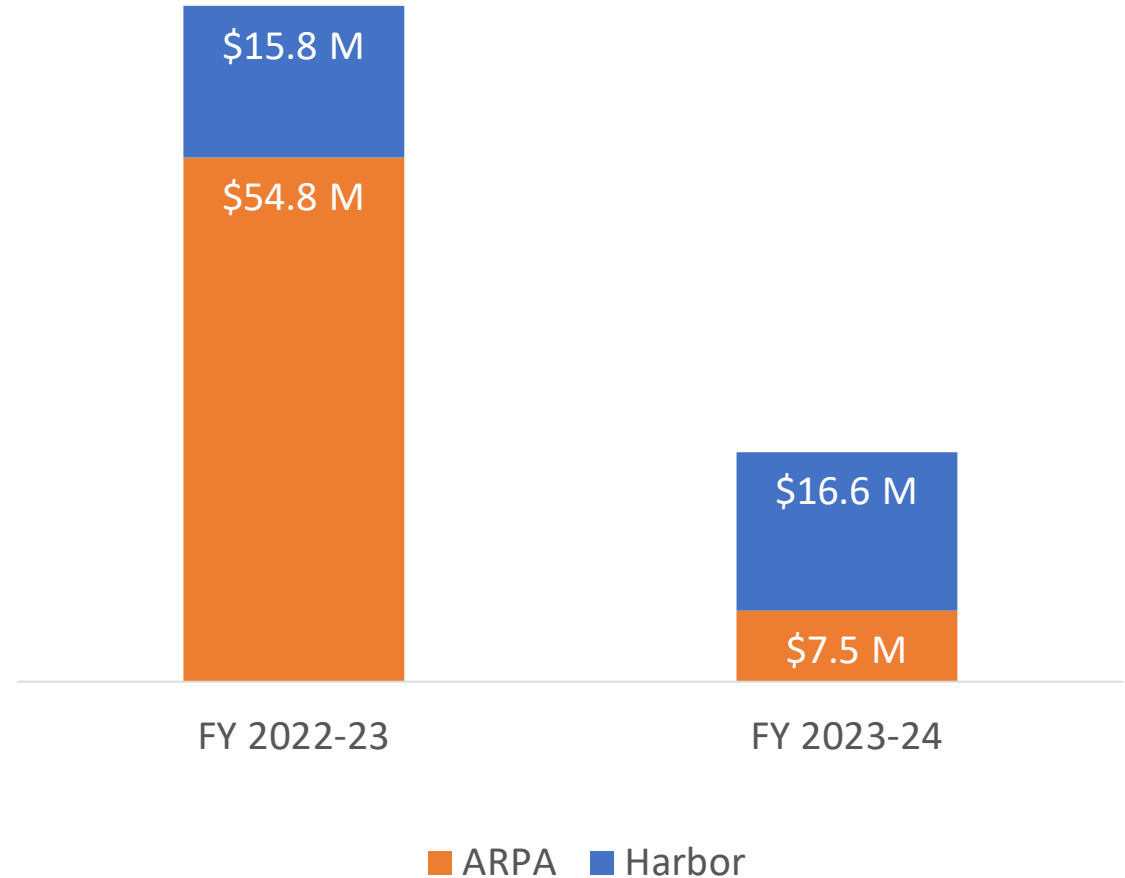


Two-Year Capital Budget Request: \$94.6 m

- FY 2022-23: \$70.6 million
 - \$54.8 million ARPA
- FY 2023-24: \$24.0 million
 - \$7.5 million ARPA
- ARPA stimulus = \$62.3 million



ARPA Stimulus & Harbor Funds



Capital Investment

Fiscal Year									
21-22	22-23	23-24	24-25	25-26	26-27	27-28	28-29	29-30	30-31
10-Year Capital Plan									
	5-Year Capital Improvement Program								
	Biennial Budget								

Project Concepts from:

- Staff submissions
- Facility assessment studies
- Prior unfunded projects

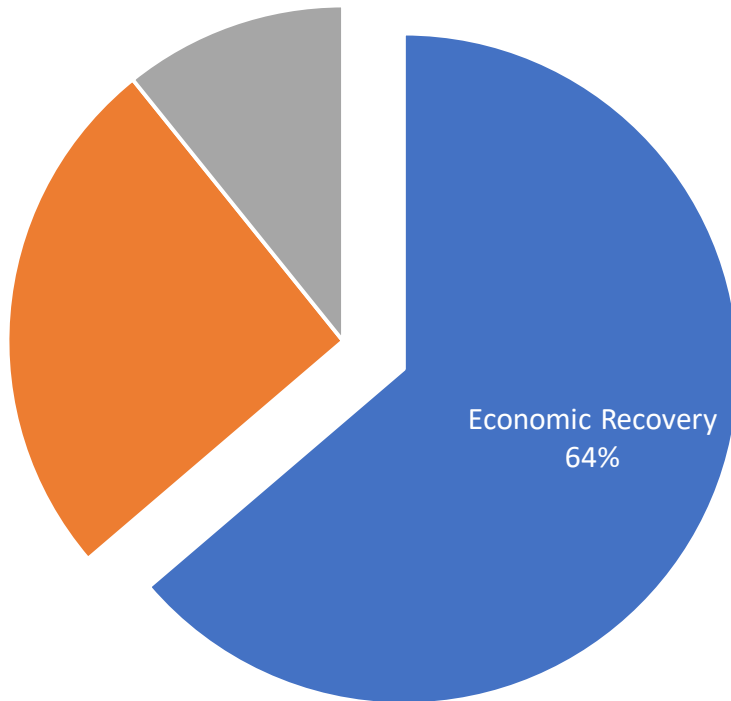
Ranking Principles:

- Strategic Plan Goals and Objectives
- Honor Prior Commitments
- Health and Safety Needs
- Meet Imminent Leasing Needs
- Strategic Investment
- Leverage Outside Sources
- Race Equity Impacts

Port Strategy

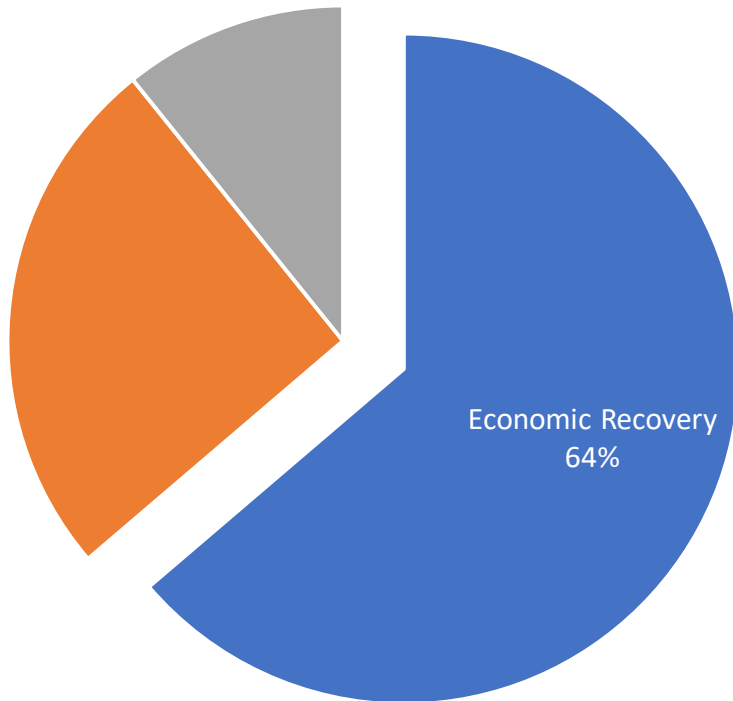


Economic Recovery - \$60.3 million



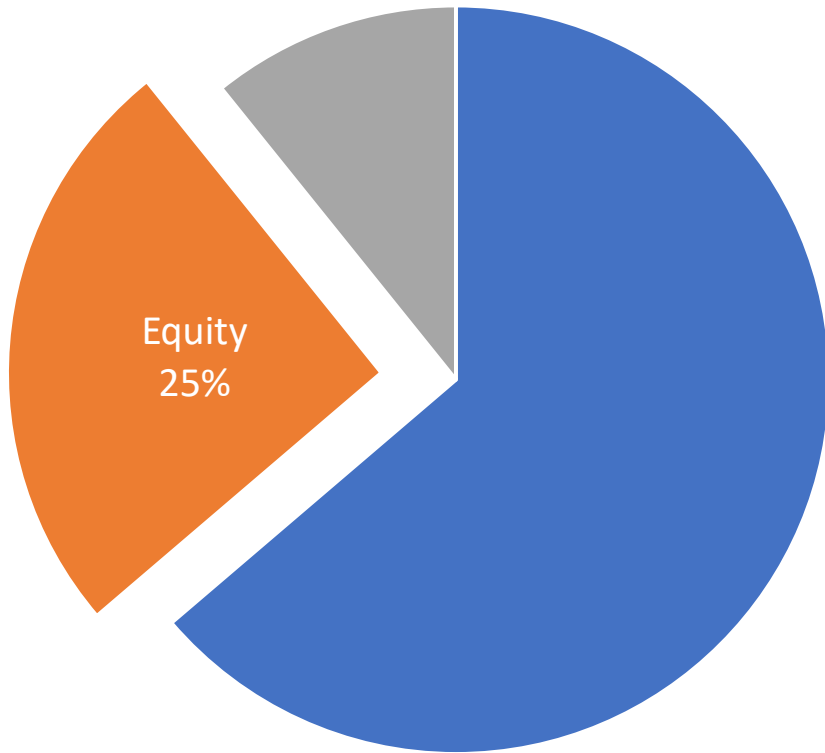
- **Pier 29.5 Office Rehab** \$0.2 million
- **Ladders and Skylights** \$1.0 million
- **Pier 64 Sediment Site Cleanup** \$1.4 million
- **Pier 29.5 Parking Exhaust System** \$1.5 million
- **Pier 45 Shed B & D Repairs** \$1.7 million
- **Facility Inspection & Repair Project Assessments (FIRPA)** \$2.0 million
- **Pier 9 Repairs** \$2.8 million
- **Administrative Projects** \$2.8 million
- **South Beach Harbor** \$3.1 million

Economic Recovery - \$60.3 million Continued



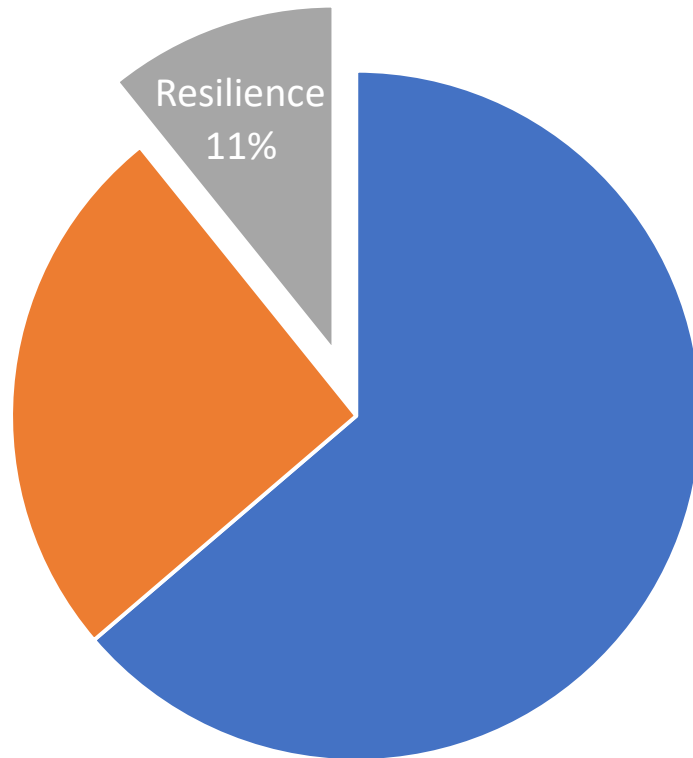
- **Project Delivery Resources** \$3.6 million
- **Maintenance Dredging and Sediment Sampling** \$4.8 million
- **Roundhouse 2 Building Envelope** \$8.0 million
- **TI Fund for tenant attraction/retention** \$8.1 million
- **Contingency and Grant Match** \$9.2 million
- **Pier 80 Piling and Fendering** \$9.4 million
- **Pier 80 Subsidence Design** \$0.8 million

Equity - \$24.1 million



- **Crane Barge Purchase & Pile Crew** \$8.9 million
- **Heron's Head Park Shoreline** \$1.5 million
- **Pier 90 Silo Demolition Design** \$1.2 million
- **Pile Removal** \$2.0 million
- **Resilient Multi-Modal Cargo Way Pre-Design** \$6.1 million
- **Southern Waterfront Beautification Fund** \$4.4 million

Resilience - \$10.2 million



- **Aquatic Park** \$1.2 million
- **Fisherman's Wharf Resilience and Public Realm Planning** \$1.6 million
- **Pier 50 Seismic Assessment and Retrofit Pre-Design** \$3.8 million
- **Stormwater Trash Capture** \$0.5 million
- **Waterfront Resilience Program** \$3.1 million

Key Investments

Roundhouse - \$8.0 million

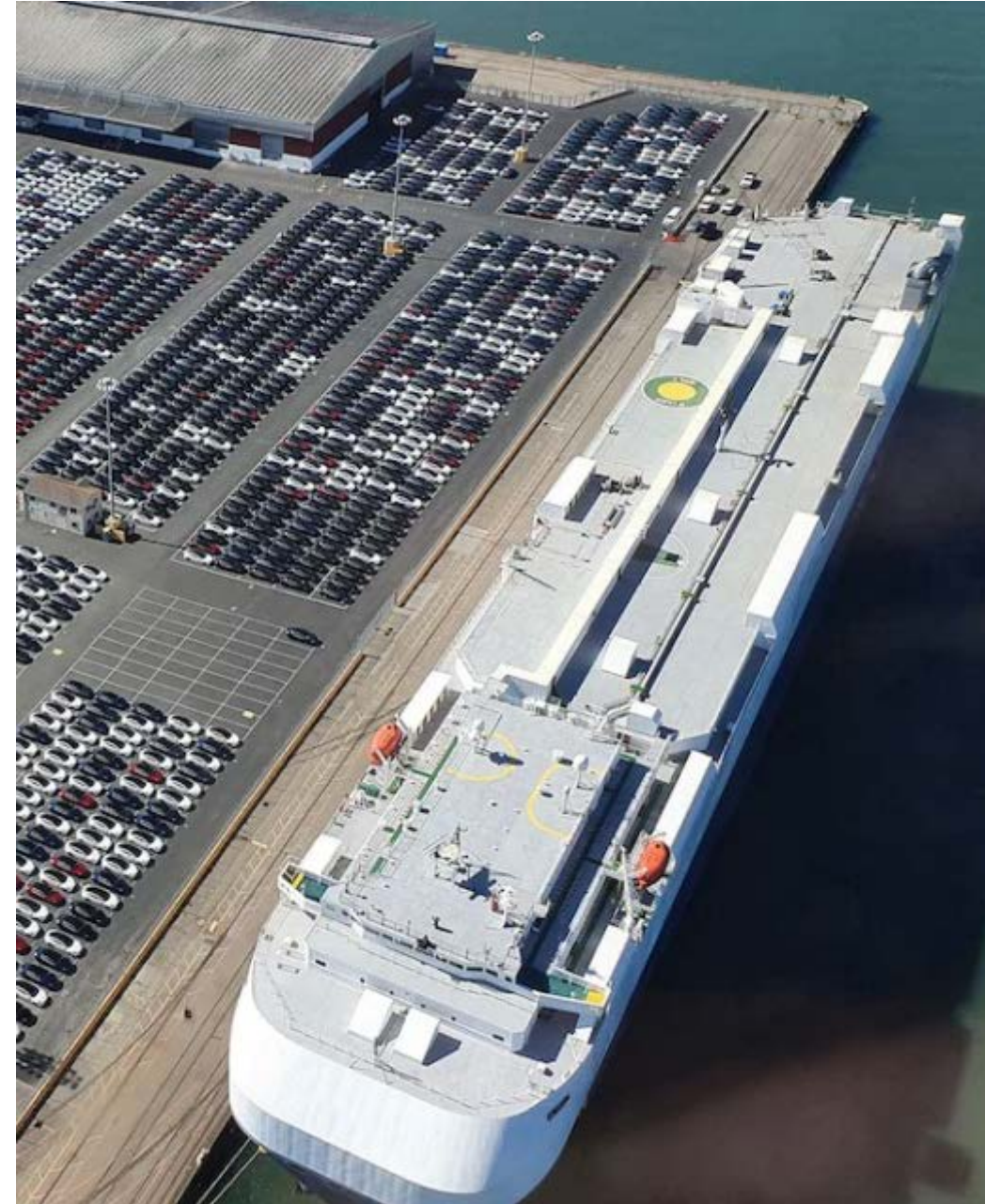
- Roof repairs (water intrusion)
- Replace solarium
- Life safety improvements



Key Investments

Pier 80 Investments - \$10.1 million

- Evaluate causes of subsidence
- Replace fendering systems
- Supports union and working-class jobs in San Francisco



Key Investments

Wharf Resilience and Public Realm - \$1.6 million

- Resilience of international tourism destination
- Seismic risk reduction



An aerial photograph of San Francisco, showing the city skyline with the Transamerica Pyramid as a prominent feature. The foreground shows the waterfront area with a long pier and buildings along the water's edge.

Waterfront Resilience Program

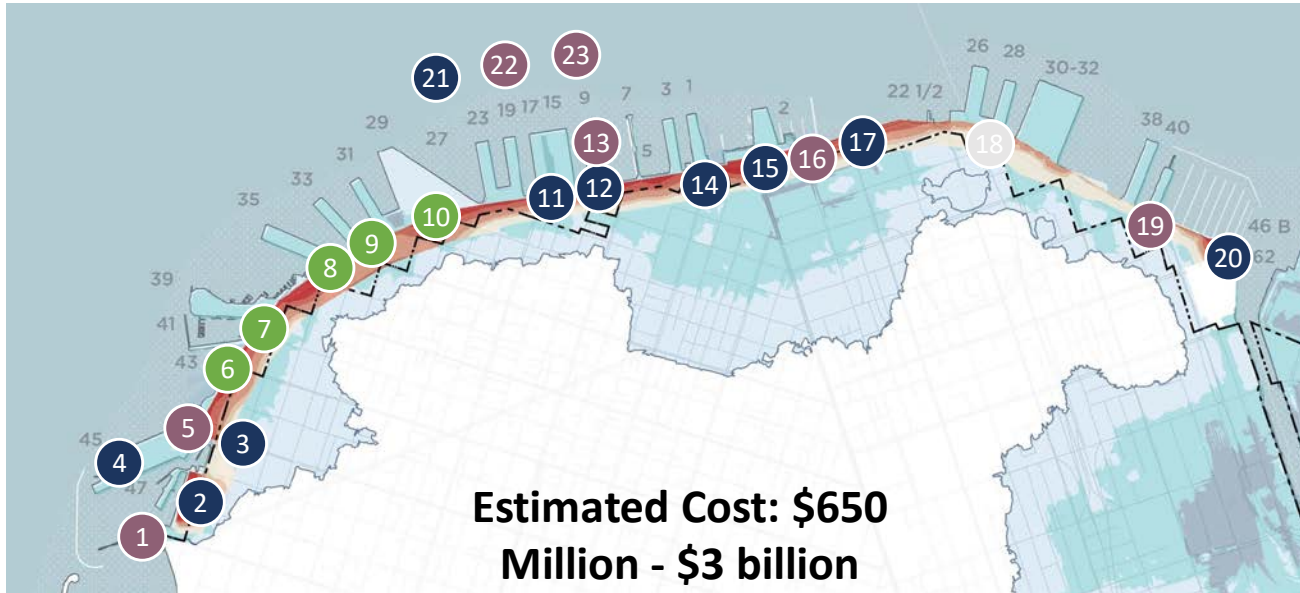
Embarcadero Early Projects

US Army Corps Flood Study

General Fund Request



EMBARCADERO EARLY PROJECTS LIST



PROJECT LIST:

- **11** advancing straight to pre-design (needs assessment) using Proposition A funding
- **5** advancing through a geographic strategy for the stretch between Piers 19 and 41
- **7** advancing through coordination with long-term Port tenants, capital programs, and City agency coordination

- Proposition A Predesign
- Advance through Geographic Strategy
- Coordination with Long-term Tenants, Capital Programs and City Agencies

- 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 Earthquake 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 Pier 5 to Pier 22-1/2 Near-Term Coastal Flood Risk Reduction 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 Reliability Projects
- 23 Pier Utility Connection Earthquake Retrofits at Seawall

Waterfront Resilience Program – Expenditures to Date

Category	Proposition A	Other Sources*	Total
Port Staffing	\$3,774,967	\$844,536	\$4,619,503
Program Management	\$7,063,755	-	\$7,063,755
Existing Conditions, Multi-Hazard Risk Assessment, Seismic Peer Review Panel	\$7,619,655	\$3,219,119	\$10,838,774
Stakeholder Engagement	\$2,553,709	\$1,502,707	\$4,056,416
Workforce Development and LBE Support Services	\$238,693	-	\$238,693
Planning	\$3,271,050	\$5,782,457	\$9,053,507
USACE Work-in-Kind	\$1,725,230	-	\$1,725,230
Other City Depts/Fees/etc.	\$81,750	\$665,544	\$747,294
Subtotal Direct Expenditures	\$26,299,195	\$12,014,363	\$38,313,558
Port Cash Contributions to USACE Flood Study	-	\$990,000	\$990,000
Total Expenditures	\$26,328,809	\$13,004,363	\$39,333,172

U.S. ARMY CORPS OF ENGINEERS (USACE) COASTAL FLOOD STUDY

Overview and Key Highlights



- Port is local sponsor
- Study timeframe 2018 – 2026
- Flood risk assessment
- Robust stakeholder input
- If the Federal government partners with the Port on a project, they will contribute 65% of its cost
- Potential for billions in federal funding
- Study waiver approved by Assistant Secretary of the Army
- In-Progress Review – Flood Modelling – April 6, 2022

AGENCY ENGAGEMENT PROCESS



Adaptation strategies are likely to include significant changes to infrastructure systems managed by multiple agencies (Port, SFMTA, Public Works) and potential land use/building code changes (Planning). The Port has convened a process with agency champions to co-create these strategies.

TERMINOLOGY

ADAPTATION ZONE:

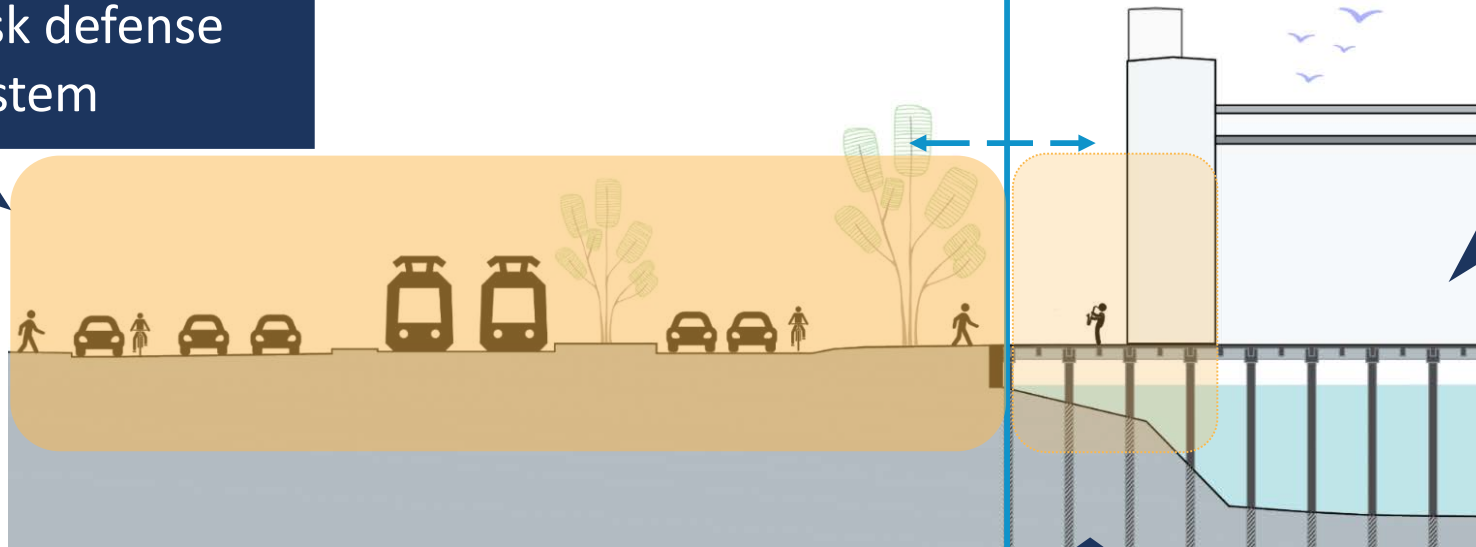
Space needed to raise or otherwise *substantially* alter in order to create a city flood risk defense system

LINE OF DEFENSE:

Highest point of the city flood risk defense system

PIERS:

Addressed through the Pier Adaptation Toolkit, Historic District Integrity Memo, and the Historic Piers Rehabilitation Program



WHARF:

Constructed surface over water, parallel to shore

Charleston, SC

This plan identifies an array of nature-based strategies embedded within engineered structures to provide perimeter storm surge protection and sea level rise adaptation, along with interior flood control management. A description of each strategy is found on proceeding pages.



Waterfront Resilience Program 2 Year Budget & General Fund Request

Category	Proposition A	Harbor Fund	General Fund	Total
Port Staffing	\$6,700,000	\$2,400,000		\$9,100,000
USACE SF Coastal Flood Study	\$2,700,000			\$2,700,000
Planning/Preliminary Design	\$10,354,000	\$127,000		\$10,481,000
Pilot Projects	\$346,000			\$346,000
Stakeholder Engagement		\$11,000	\$620,000	\$631,000
Other City Depts/Fees/etc.	\$1,400,000	\$125,000	\$1,550,000	\$3,075,000
MOUs with Permitting Agencies	\$600,000			\$600,000
Funding Advocacy (Grants, etc.)	-	\$350,000		\$350,000
Bond Reimbursement			\$1,805,000	\$1,805,000
Total Expenditures	\$22,100,000	\$3,013,000	\$3,975,000	\$29,088,000

Thank You



David Yu photography