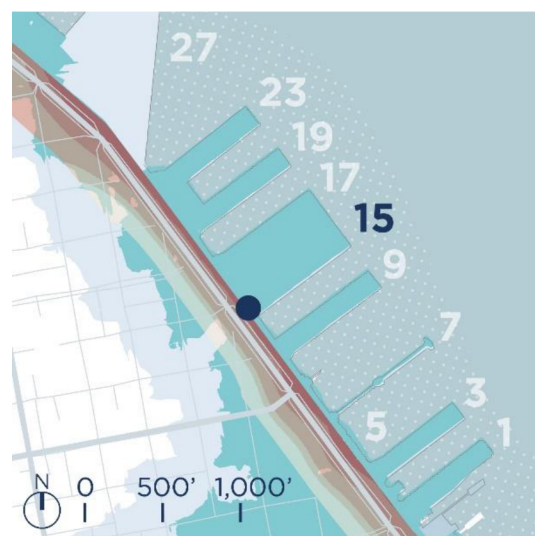


Pier 15 Bulkhead Wall and Wharf Substructure Earthquake Safety Retrofit Project



About the Project

Pier 15 is a rehabilitated and seismically strengthened historic finger pier that is home to the popular Exploratorium science museum as well as small- and medium-sized vessel berths that can support earthquake response. Most of the pier and shed have low earthquake risk, however, Seawall earthquake risk is high, and movement of the Seawall may damage the bulkhead wharf compromising safety in the supported historic building and along the Promenade and adjacent open spaces. The project focuses on more easily implementable solutions to improve safety by retrofitting the wharf substructure and utilities to better accommodate earthquake movement of the Seawall. Current flood risk is lower here, and thick Bay Muds make improvements to stabilize the Seawall very challenging and costly. For these reasons, seismic stability improvements of the Seawall and improved coastal flood defenses will likely be part of the longer-term sea level rise adaptation strategy.

Project Phase

✓	Planning
➤	Pre-Design
	Detail Design
	Construction
	Closeout
	Complete

Project Details		Responds to Community Feedback	Project Update, Q1 2022 (Jan/Feb/Mar)
Port PM:	Matt Bell matthew.n.bell@sfport.com	✓ Prioritizes life safety and emergency response.	<u>Accomplishments this Quarter</u> <ul style="list-style-type: none"> Initiated Pre-Design Phase Commenced Needs Assessment Report
Total Cost:	\$5M to \$15M*	✓ Supports an adaptable and equitable waterfront.	<u>Anticipated Next Quarter</u> <ul style="list-style-type: none"> Complete Draft Needs Assessment Report
Duration:	2 to 4 years*	✓ Protects and preserves maritime resources.	<u>Issues</u> <ul style="list-style-type: none"> None
Complexity:	Low	✓ Ensures public access to the waterfront and historic places and an inviting waterfront for all.	
*cost & duration are initial planning level estimates and will be refined during Pre-Design			