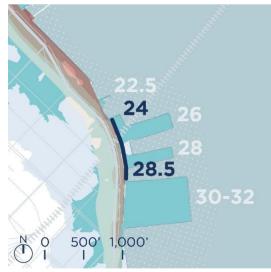
Pier 24-1/2 To Pier 28-1/2 Bulkhead Wall and Wharf Substructure Earthquake Safety Retrofit Project





About the Project

The bulkheads located between Pier 24 ½ and Pier 28 ½ are some of the oldest on the waterfront. They support a portion of the Embarcadero Promenade and the remaining mission-style pier buildings. The Port's Multi-Hazard Risk Assessment determined the rock dike portion of the Seawall here to be more stable in earthquakes than other areas. However, there is very high earthquake risk to the tall bulkhead wall and wharves because of the way they are connected. Sea level rise flooding is an emerging risk, though the bulkheads here are somewhat higher. This project focuses on improving earthquake safety by retrofitting the most vulnerable portions of the wall and wharf substructures. These efforts are expected to be interim safety improvements while a more permanent solution to sea level rise is developed and implemented.

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.	Accomplishments this Quarter Initiated Pre-Design Phase
Total Cost:	\$5M to \$25M*	✓ Protects and preserves maritime resources.	Commenced Needs Assessment Report
Duration:	2 to 4 years*	✓ Ensures public access to the	Anticipated Next Quarter
	Low n are initial planning level vill be refined during Pre-Design	 waterfront and historic places and an inviting waterfront for all. ✓ Supports an adaptable and equitable waterfront. 	 Complete Draft Needs Assessment Report Issues None



