

Pier 1 Bulkhead Wall and Wharf Substructure Earthquake Reliability Project



About the Project

Pier 1 is an historic finger pier that contains the Port of San Francisco’s headquarters and the Department Operations Center that serves as the post-earthquake logistics center for coordinating inspections, emergency repairs, and functional recovery for the 7.5 miles of waterfront within the Port’s jurisdiction. Rehabilitated in 2001, most of the pier and shed is expected to perform well, however, earthquake movement of the seawall is expected to damage the bulkhead wall, wharf and supported historic building causing the pier to be unusable. The Pier 1 Bulkhead Wall and Wharf Substructure Earthquake Reliability Project focuses on improving earthquake disaster response and recovery by strengthening the bulkhead and wharf to limit damage and allow immediate use for disaster response operations. The project will explore options to create resilient wharf substructures that can both reduce earthquake damages where the Seawall is founded on deep Bay Mud and be more easily raised for future sea level rise adaption, techniques that can be incorporated into other similar waterfront locations.

Project Benefits	Project Details	Responds to Community Feedback
<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Earthquake Safety <input checked="" type="checkbox"/> Disaster Response Improvement <input type="checkbox"/> Coastal Flood Defense <input type="checkbox"/> Public Space Enhancement <input checked="" type="checkbox"/> Historic Preservation <input type="checkbox"/> Bay Habitat 	<p>Status: Pre-Design</p> <p>Cost: \$8M to \$35M</p> <p>Duration: 3 to 5 years*</p> <p>Complexity: Moderate*</p> <p><i>*cost & duration are planning level estimates and include all costs</i></p>	<ul style="list-style-type: none"> ✓ Prioritizes life safety and emergency response. ✓ Protects and preserves historic and maritime resources. ✓ Supports an adaptable and equitable waterfront. ✓ Ensures public access to the waterfront and historic places and an inviting waterfront for all.