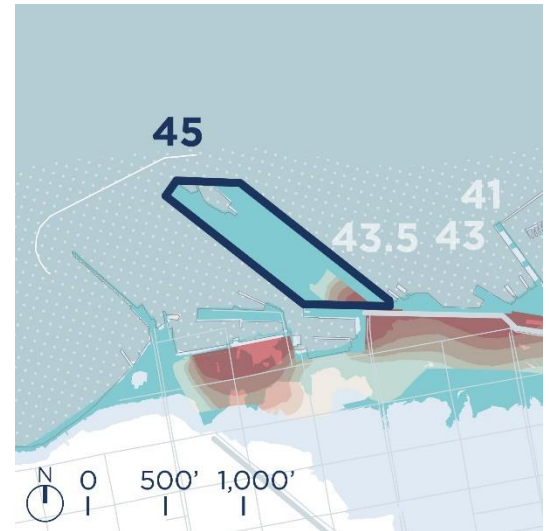


Pier 45 Apron Earthquake Safety Retrofit and Interim Flood Risk Reduction Project



About the Project

Pier 45 anchors the northern end of the Embarcadero Historic District and Seawall. Constructed in 1929, this massive pier is a mixture of solid fill and pile supported substructure supporting Gothic Revival style sheds that now serve the fishing industry and maritime tourism. In 1989, the pier suffered earthquake damage that was repaired along with partial upgrades. In 2020, a fire destroyed one of the four historic sheds. This project will improve earthquake safety and flood protection by strengthening the aprons and raising coastal flood protection at the edges.

Project Benefits	Project Details	Responds to Community Feedback
<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Earthquake Safety <input type="checkbox"/> Disaster Response Improvement <input checked="" 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: \$6M to \$20M</p> <p>Duration: 2 to 4 years*</p> <p>Complexity: Low</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. ✓ Enhances and sustains economic and ecological opportunities.