

Table 4-8. Adaptation Planning: Shoreline Near Webster and Posey Tubes

<p>Short-Term (<5 years)</p>	<p>1 2 ALL ALL</p>	<ul style="list-style-type: none"> • Design and implement levee and seawall expansions to protect from a 100-year storm event using existing levees and seawalls. The City’s initial conceptual drawings for this location identify areas that need to be raised/reconstructed. • Compile a comprehensive geospatial record of land ownership shoreline. • Establish memoranda of understanding as needed with private landowners. Ensure shoreline actions consider their needs and that they actively implement flood protection actions moving forward. • Develop evacuation plan for senior centers and other care facilities in affected area. 	<p>SHORELINE NEAR WEBSTER & POSEY TUBES</p> <p>A small segment of shoreline above the Webster and Posey Tubes at the north end of Mariner Square Drive is likely to overtop due to sea level rise at and beyond 36 inches. Overtopping at this location is linked to projected inundation that extends along Webster Street and nearby roads and into the Webster and Posey Tubes. The shoreline in this area is dominated by engineered levees and seawalls, as well as commercial buildings and residential facilities (e.g., the Oakmont Senior Center at Mariner Point), that occupy parcels very close to the current shoreline. Addressing shoreline overtopping in this location is likely to prevent flooding and inundation of critical roadways that provide access to/from Alameda Island.</p>
<p>Mid-Term (5-10 years)</p>	<p>3 ALL 4</p>	<ul style="list-style-type: none"> • Require flood-proofing for critical inland facilities like the Hazardous Materials Transfer Station. • Investigate options to modify existing public trail and open space to accommodate temporary flooding. Consider appropriate vegetation, stormwater management structures, and other natural water-tolerant features. • Expand existing levees and seawalls to address longer-term water levels. To address higher water levels beyond the FEMA 1% annual chance floodplain, the City should consider further elevating existing levees and seawalls to 13’ NAVD88 and extending seawalls to the northwest. Public access for bicycles and pedestrians along the levee must be maintained or added. 	<p>The image is an aerial photograph of a waterfront area. A red line follows the shoreline, with several blue circles containing the number '1' placed along it. A yellow line extends inland from the shoreline, with blue circles containing the numbers '2' and '4' placed along it. A large blue shaded area covers a significant portion of the inland area, with a blue circle containing the number '3' placed within it. The area includes a marina with many boats, several large buildings, and parking lots.</p>
<p>Long-Term (>10 years)</p>	<p>ALL</p>	<ul style="list-style-type: none"> • Develop long-term northern waterfront shoreline strategy. Investigate land use policy changes (zoning, building regulations, etc.), including “zoning overlays” in high-risk areas. Create regulations for new and redevelopment projects. Limit development within a certain distance from the shoreline. 	