



CITY OF ALAMEDA

BAY FARM ISLAND ADAPTATION PROJECT



The **Bay Farm Island Adaptation Project** will reduce current flood risk and prepare the Bay Farm Island northern shoreline for up to two feet of sea level rise, which is expected to occur around 2040-2060. The project combines coastal flood protection, drainage improvements, habitat enhancements, and public access improvements. This is a near-term adaptation project that also lays the foundation for longer-term shoreline adaptation through the Alameda Shoreline Adaptation Plan, currently in development.

Key Components – Near-term Project (two feet sea level rise)

Coastal Flood Protection

Reduce coastal flood risk and remove homes from the FEMA Special Flood Hazard Area with new levee from Veterans Court to the lagoon

Nature-Based Shoreline & Habitat Enhancement

Reduce erosion and enhance habitat with pocket beaches, rock islets, marsh improvements, sediment retention features, and native shoreline planting.

Public Access & Recreation

Improve the Bay Trail and shoreline experience with overlooks, seating, accessible shoreline access, a fishing pier, and educational signage.

Lagoon Flood Management

Improve drainage and manage flooding during high Bay water levels with a new tide gate, pump station, and gravity pipe.

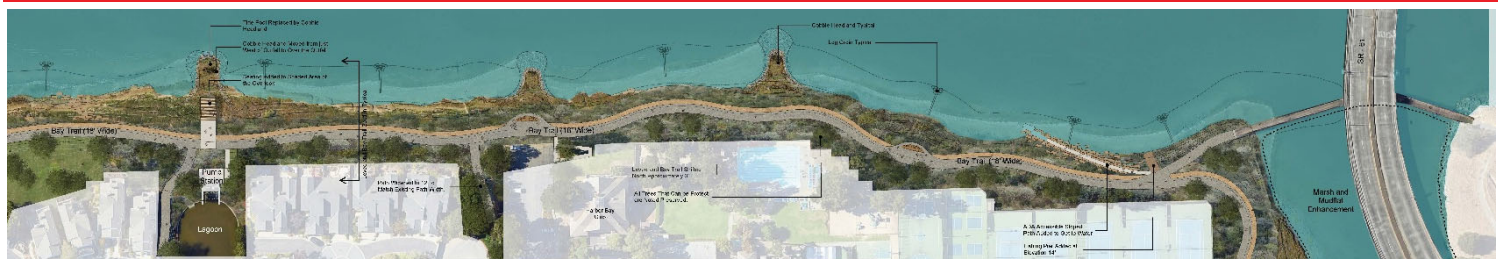
Veterans Court Reconfiguration

Expand marsh and mudflat habitat while reconfiguring the roadway and parking area at Veterans Court.

Island Drive Adaptation

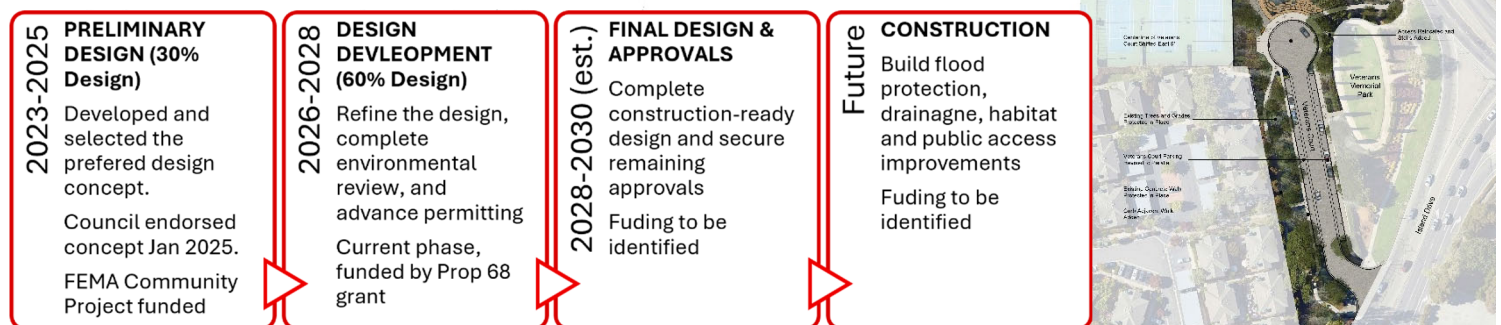
Raise low areas along Island Drive to reduce flood risk and complete the near-term flood protection system.

Shoreline Design Concept



Farm Island Adaptation Project 30% Design

Funding and Timeline



The current 60% design phase is funded by a \$2.64 million State Coastal Conservancy Prop 68 grant, and the City is actively pursuing additional local, state and federal funding to advance the project through final design and construction.

BAY FARM ISLAND FLOOD RISK

Portions of Bay Farm Island currently sit within FEMA's mapped Special Flood Hazard Area and the northern shoreline already floods during major coastal storms and King Tides. Flooding is expected to become more frequent and severe as sea levels and groundwater rise and extreme rainfall events intensify.

Stay Engaged

Subscribe to *Climate Resiliency and Adaptation – Bay Farm Island* mailing list at www.alamedaca.gov/subscribe

Visit

www.alamedaca.gov/AdaptationBayFarmIsland

