Alamitos Bay Entrance Channel Dredging & Nourishment

March 23, 2026

Community Update

Alamitos Bay Yacht Club



Project Team

Public Works, Project Management

Charlene Angsuco, Tidelands/Parks CIP Manager

Alma Wagner, Project Manager

Parks Rec and Marine, Marine Bureau

Todd Leland, Marine Bureau Manager

Kelly Armstrong, Superintendent Beach Maintenance

Design & Engineering Team

Dr. Jack Malone, Anchor QEA

Background and Recap

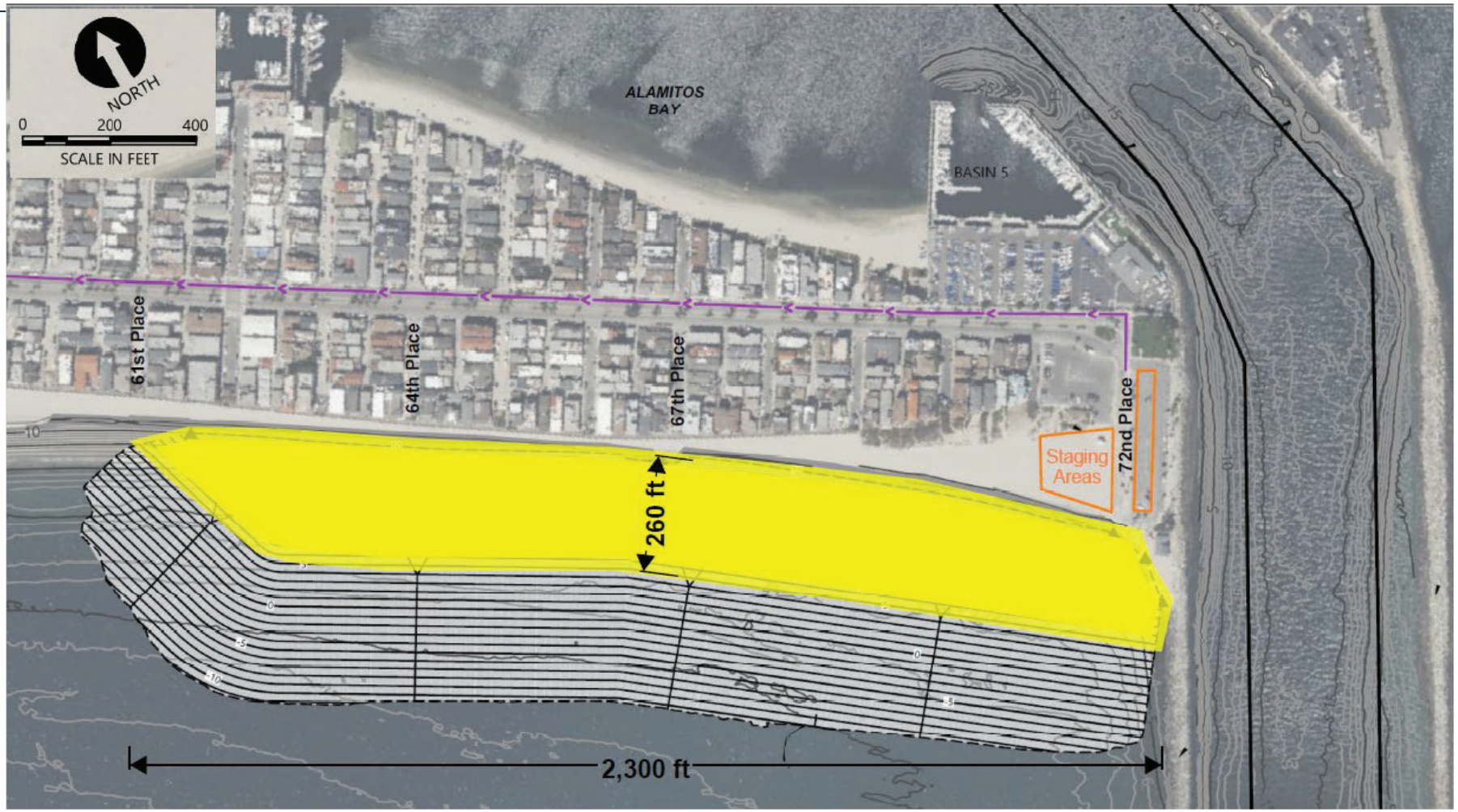
- Alamitos Bay Entrance Channel Dredging & Beach Nourishment received $600,000 Tidelands Funding in the FY2024 CIP.
- Fall 2023 throughout 2024, performed sediment characterization to satisfy pre-dredging requirements of the Southern California-Dredged Material Management Team (SC-DMMT).
    - Prepared bathymetric surveys, sediment Sampling Analysis Plan (SAP) and sediment Sampling Analysis Report (SAR) for review by the SC-DMMT
- Submitted the project's regulatory permit applications in 2024; Coastal Commission and other AHJ's approved in 2025.
- Engineering plans and specifications advanced to construction documents for public bidding and received two bids in October 2025
- Bids were $13 and $14 million respectively and exceeded budget available
- Submitted SCC Grant Pre-Application for $5 million in October 2025; invited to submit a full application in December. Staff submitted in February 2026.

Project Overview / Scope



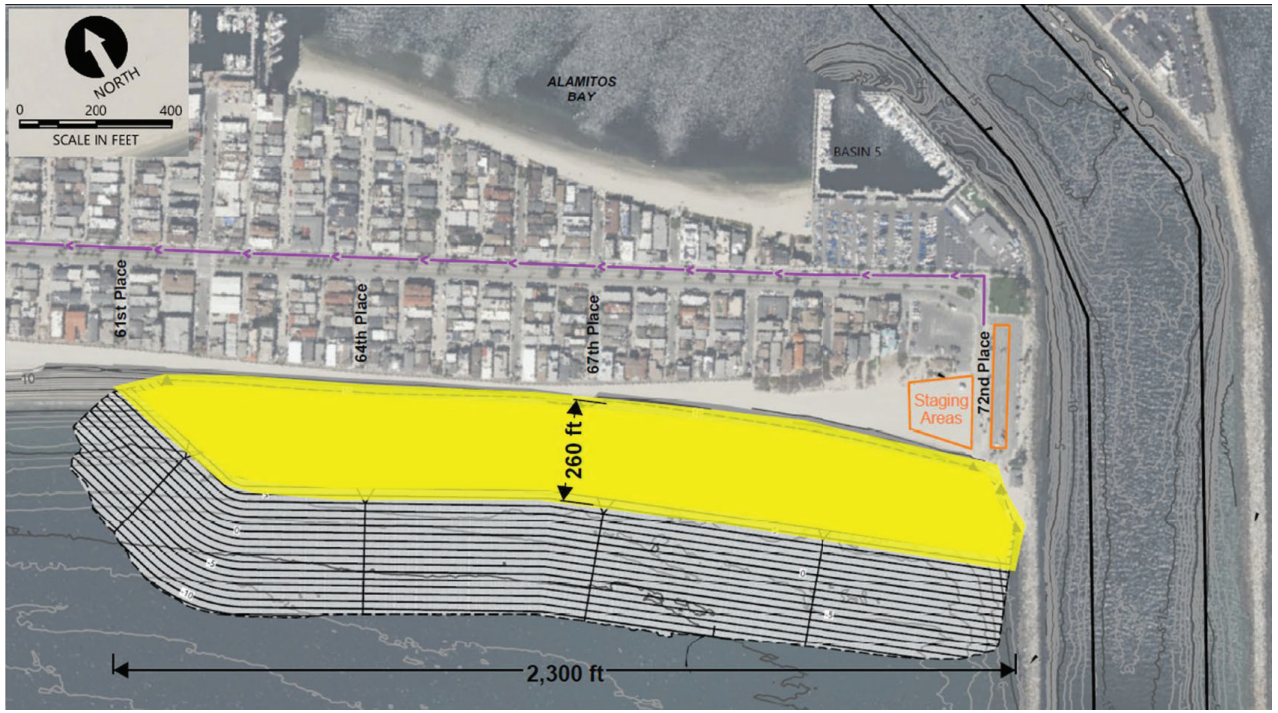
- Dredge entrance channel to design depths of -20 ft MLLW plus 2 ft overdredge allowance
- Contractor can use hydraulic or mechanical dredge (means and methods)
- Sand has been determined suitable for beneficial use to nourish Peninsula Beach
- Project requires contractor to build small berm with mechanical equipment to receive dredged material to allow it to dewater
- Mechanical, land-based equipment will spread material to build beach

Dredge and Nourishment Areas



Project Benefits

- Restores and improves navigation within the entrance channel
- Beneficially uses dredged material and retains sandy material within Long Beach limits
- Restores Peninsula Beach width by more than 200 ft in the nourishment zone, improving public beach access and pushing the active wave zone farther offshore to improve coastal resilience



What does the work look like?

- Partial closure of the 72nd Place parking lot for Contractor staging and laydown areas
- Offshore dredge barge pumping sediment to the beach (24 hr/day)
- Establish beach containment area for dredged sediment to dewater before it is spread out to nourish the beach
- Expected equipment includes dredge pipeline along the shoreline



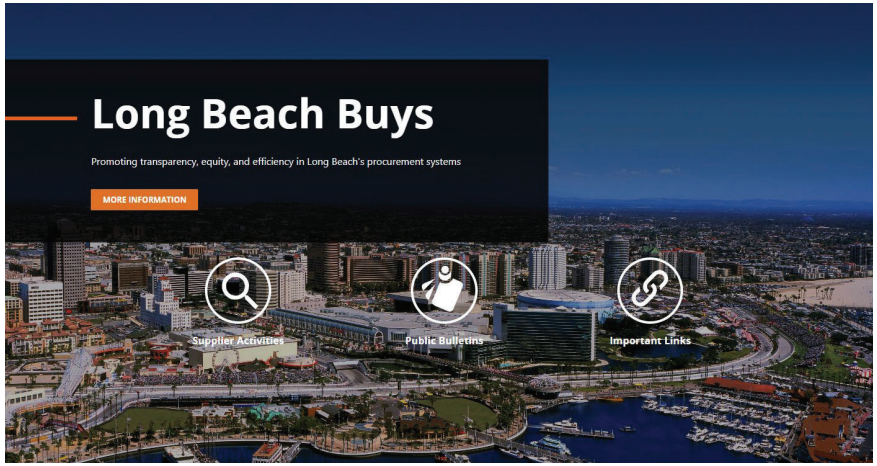
What does the work look like?

- Nourishment is proposed between 61st Place and 72nd Place because currents carry sand to the west
- Equipment including dozers and front loaders will move dredged material to rebuild the shoreline (limited to 12 hr/day)
- Contractor required to adjust construction fence on the beach to restrict access to active work areas
- Estimated duration of active work is four months



Current Status and Next Steps

- Submitted full grant application to SCC for $5 million in February 2026 to support the work. The grant proposal is currently under review.
- The project is advertised for public bidding per P.C.C. and bids are due in April 2026 in Long Beach Buys.
- Upon the City's receipt of responsive and responsible bids, PW/PRM will make a recommendation to award a contract to the Long Beach City Council.
- Based on favorable bids, the City aims to begin work in fall 2026 (allows bidders time to plan and coordinate work regionally for better pricing)
- Estimated construction start of fall 2026 to avoid additional regulatory permissions and monitoring



Milestones and Anticipated Schedule

MAJOR ACTIVITIES	TARGET SCHEDULE
Permitting	Completed
Bid/Award (Recommendation to Council)	Spring 2026
Contracting	Summer 2026
Construction Begins	Fall 2026
Completion and Close out	Early 2027

Funding

SUMMARY OF PROJECT COSTS	USES
Estimated Construction (base bid variability)	$9 - $13 million
Estimated Total Project Delivery Costs (e.g. Design/Engineering, PM-CM, Inspections, Labor Compliance, Regulatory Permitting, etc.)	$1.5 million
Estimated Total Project Costs	$10.5 - $14.5 million

AVAILABLE FUNDING SUMMARY	SOURCES
Tidelands Operating and Marina Funds	$8.6 million
Submitted Grant Application – Pending Notification	TBD
Approved Budget/Funding	$8.6 million + TBD

Thank you!

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longbeach.gov/pw