

## SEAWALL RESTORATION

### Preliminary Engineering Report (PER)

Mission Beach is a popular destination for San Diego residents and tourists alike. Its boardwalk serves businesses, homes, and parklands, and it is home to Belmont Park's famous wooden coaster.

With segments completed in 1925, 1928, 1968 and 2000, the Mission Bay Park seawall helps the City of San Diego protect Mission Beach and its infrastructure from coastal erosion. The walls that are visible above the ground connect to structures that extend deeply underground. Large sheet pilings made from concrete or steel anchor each wall to bedrock.

The Seawall Restoration PER addresses upgrades to the Mission Beach seawall and boardwalk with improvements for sea level rise, coastal erosion, fall risks, accessibility, congestion, and City maintenance.

### Opportunities

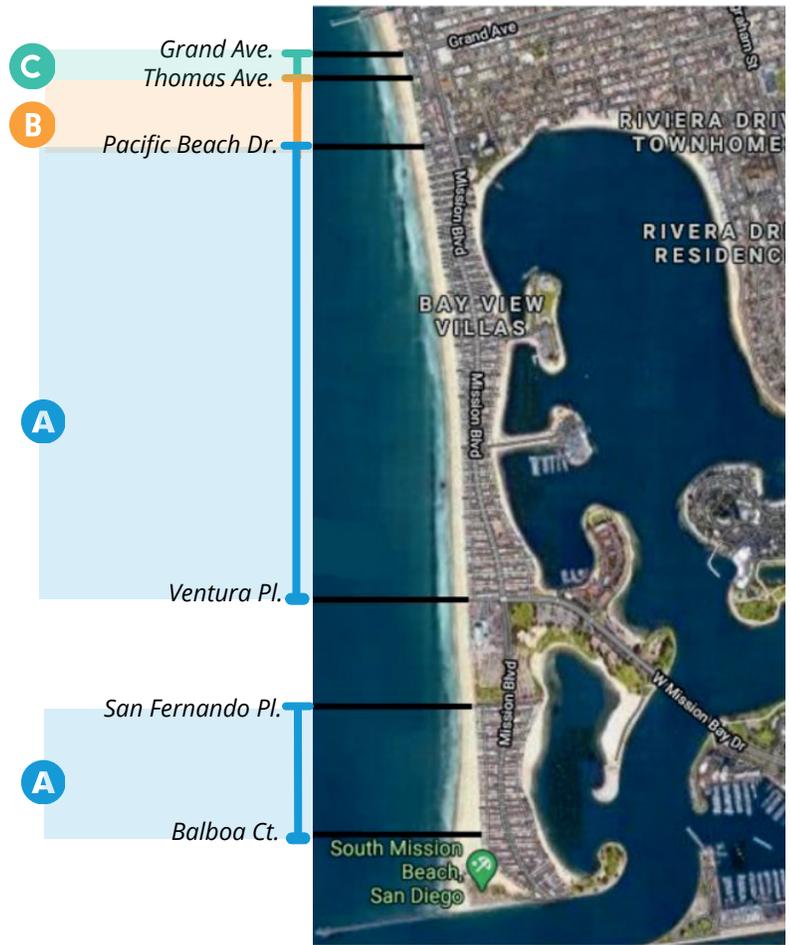
The Seawall Restoration PER discusses upgrades that would:

- Fill voids beneath the boardwalk and underground to improve stability
- Replace some seawall segments with new concrete and increase height by 6-to-12-in. for protection from both falls and sea level rise
- Incorporate features that maintain views
- Add a 375-ft. segment to extend the seawall
- Close gaps to reduce erosion
- Widen some walkways to 18 ft.
- Provide larger stairway landings, handrails, and guardrails for accessibility

# Seawall Restoration Opportunity Areas

The Seawall Restoration PER evaluated projects to improve seawalls and boardwalks in Mission Beach. Projects were grouped as follows:

- **Segment A:** shown right, Balboa Court to Pacific Beach Drive (*excludes Belmont Park*)
- **Segment B:** shown right, Pacific Beach Drive to Thomas Avenue
- **Segment C:** shown right, Thomas Avenue to Grand Avenue (*375-foot-long new wall segment*)
- **Pedestrian Access:** shown below, 14 stairways in Segments A and B
- **Beach Access Drive** at Thomas Avenue shown below. For use by City maintenance vehicles



Seawall Restoration Opportunity Locations



Pedestrian Access Improvement Areas

# Proposed Improvements

Area	Opportunities
Segment A	<ul style="list-style-type: none"> <li>• Replace the aboveground wall with a new wall and raise it by 6-to-12-in. for improved fall protection and resilience to sea level rise (2024 draft projections by State of CA for years 2040-2050)</li> <li>• Fill voids beneath the boardwalk and seal joints between pilings</li> </ul>
Segment B	<ul style="list-style-type: none"> <li>• Replace the aboveground wall and raise height 6-to-12-in. for improved fall protection and resilience to sea level rise</li> </ul>
Segment C	<ul style="list-style-type: none"> <li>• Install a new 375-ft.-long segment that may be               <ul style="list-style-type: none"> <li>◦ decorative, providing pedestrian separation, or</li> <li>◦ anchored to bedrock, eliminating the need for sand berms</li> </ul> </li> <li>• Expand the existing walkway to 18 ft. wide to match other segments and reduce congestion</li> <li>• Relocate lamp poles across walkway for historical preservation</li> </ul>
Pedestrian Access Improvements	<ul style="list-style-type: none"> <li>• Replace existing stairways with new stairways or pedestrian ramps designed to current standards</li> <li>• Add handrails and picket-style guardrails for fall protection</li> <li>• Construct larger landings to improve accessibility</li> </ul>
Beach Access Drive	<ul style="list-style-type: none"> <li>• Construct a 75-ft. long by 15-ft. wide driveway at Thomas Avenue for use by City maintenance vehicles</li> </ul>



*The seawall helps protect Mission Beach from coastal erosion.*

## Protecting Our History

The City will restore the Mission Beach Seawall to conditions required by the City's historic standards and Municipal Code. The work will match historic design features such as pop-out walls, as well as the concrete color and finish.



## Other Topics Covered in the Program EIR:

The Mission Bay Park Improvements Program EIR includes Preliminary Engineering Reports on each of the Report topics listed below. To obtain fact sheets for the other reports, please visit

[www.sandiego.gov/mbpeir](http://www.sandiego.gov/mbpeir).

- Bicycle and Pedestrian Paths
- Deferred Maintenance
- Seawall Restoration
- Shoreline Restoration
- Wayfinding Improvements
- Wetland and Water Quality Improvements
  - Cudahy Creek
  - North Fiesta Island
  - Tecolote Creek
- Upland Habitat Expansion



*The original segment of the seawall near Belmont Park was upgraded in 2015.*