



Structural Engineering Services



Ocean and Coastal Consultants (OCC) offers a wide range of services related to structural engineering. These include analysis and design of waterfront structures, such as bulkheads, piles, wharves, mooring dolphins, berthing dolphins, and seawalls. With such a vast and knowledgeable staff, projects are completed efficiently in compliance with guidelines and regulations established by local, state, and federal agencies. Interactions between engineers and clients permit the creation of the most ideal and practical solution; a solution which is fiscally responsible, structurally sound, and considerate of environmental impacts.

OCC PROVIDES COMPLETE STRUCTURAL ENGINEERING SOLUTIONS

SERVICES

Structural Analysis and Modeling

- Bulkheads
- Piers
- Marine Terminals
- Ferry Terminals

Berthing and Mooring Analysis

Containment Structures

Failure Investigation

Fender Systems

- Bridges
- Piers
- Terminals
- Wharves

Expert Witness

Seismic Loads

Wave Loads

Wind Loads

Wharves

THE STRUCTURAL ENGINEER

OCC has a staff of structural engineers that are responsible for the analysis and design of waterfront structures. OCC is also expert in the design of rehabilitation of older timber, steel and concrete structures. Waterfront structures include timber piers, wharves, bulkheads, boardwalks, steel bulkheads, revetments, reinforced cast-in-place concrete, and precast concrete structures. Structures in the water are required to resist significant wind, current, wake, wave, and earthquake loading. The Structural Engineer is responsible for performing the structural analysis and design of a project, preparing construction documents and working closely with the drafting staff, preparing technical specifications, and review of the design under construction as coordinated with the Construction Engineer.

Since 1983 Ocean and Coastal Consultants (OCC) has offered the full range of professional structural engineering services for public and private owners and operators of ports, harbors, marinas, yacht clubs, container, bulk and liquid terminals and anchorages. Our engineers have experience with coastal construction, making our cost estimates realistic and our designs buildable. The experience leads to innovation.

We draw on the extensive marine construction experience of our staff in preparing constructible project plans and specifications and in the development of realistic opinions of probable cost. We typically have approximately 10 active projects with construction values ranging from \$10,000 to more than \$80,000,000.



www.ocean-coastal.com

OFFICE LOCATIONS

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