



Search Tags: Pier/Wharf/Boat Ramp

Project Count: 12



Brooklyn Basin

Oakland, CA

Project Contacts: [Sam Yao](#)

The Brooklyn Basin project revitalizes 65 acres along Oakland's waterfront, transforming an industrial site into a mixed-use development. The new neighborhood offers more than 3,000 residences,...

Services: [Structural Design](#)

Markets: [Ports & Terminals](#)

Keywords: [Bridge](#), [Pedestrian](#), [Condominium](#), [Marine Engineering](#), [Pier/Wharf/Boat Ramp](#), [Pile](#), [Residential](#), [Seismic Engineering and Retrofit](#)



Liquid Bulk Terminal Replacement

Wilmington, CA

Project Contacts: [William Bruin](#)

The aging marine oil terminal exceeded its design life and did not comply with the applicable seismic and berthing standard. The port, the ultimate owner of the marine structures, and the terminal...

Services: [Structural Design](#)

Markets: [Oil & Gas](#)

Keywords: [Construction Consulting](#), [MOTEMS audit](#), [Marine Engineering](#), [Mooring and Berthing](#), [Pier/Wharf/Boat Ramp](#), [Terminal](#)



Chevron Richmond Refinery

Richmond, CA

Project Contacts: [Ronald Hamburger](#)

Founded in the early 1900s, Chevron's Richmond Refinery produces gasoline, diesel, jet fuel, and lubricants. Since the refinery is located within the corporate boundary of the City of Richmond and...

Services: [Structural Investigation](#), [Structural Rehabilitation](#)

Markets: [Manufacturing & Industrial](#)

Keywords: [Code Compliance](#), [Fire](#), [Foundation](#), [Nonlinear](#), [Pier/Wharf/Boat Ramp](#), [Risk Assessment](#), [Seismic Engineering and Retrofit](#), [Tank](#)



Navy Pier

Chicago, IL

Project Contacts: [Vince Cammalleri](#), [Matthew Johnson](#), [Paul Kassabian](#), [Matthew Normandeau](#)

As part of a design competition, the James Corner Field Operations (JCFO) Team was selected to redesign the 3,000 ft long Navy Pier. The competition, spurred by the approaching 100th anniversary...

Services: [Structural Design](#), [Building Enclosure Design](#)

Markets: [Sports & Entertainment](#)

Keywords: [Below-Ground Waterproofing](#), [Finite Element Analysis](#), [Glass and Glazing](#), [Material-Related](#), [Materials Analysis](#), [Pier/Wharf/Boat Ramp](#), [Roofing](#), [Stair](#), [Structural Glass](#), [Waterproofing](#), [Wood](#)



Timber Approach Trestle Repair

Martinez, CA

Project Contacts: [William Bruin](#), [Gayle Johnson](#)

The 1,900 ft long timber-framed approach trestle exhibited damage and deterioration due to aging and required repairs to maintain the function and structural integrity. SGH developed a...

Services: [Structural Rehabilitation](#)

Markets: [Oil & Gas](#)

Keywords: [MOTEMS audit](#), [Marine Engineering](#), [Pier/Wharf/Boat Ramp](#), [Terminal](#)



New Marine Terminal

Richmond, CA

Project Contacts: [William Bruin](#), [Gayle Johnson](#)

Originally built in the 1950s, the timber terminal was becoming increasingly costly to maintain and was no longer considered fit-for-purpose for seismic and berthing requirements. Instead of...

Services: [Structural Design](#)

Markets: [Oil & Gas](#)

Keywords: [Construction Consulting](#), [MOTEMS audit](#), [Marine Engineering](#), [Metal-Steel](#), [Pier/Wharf/Boat Ramp](#), [Risk Assessment](#), [Terminal](#)



Fender Replacement

Martinez, CA

Project Contacts: [William Bruin](#), [Gayle Johnson](#)

The existing fender systems at two berths of a refinery terminal were significantly deteriorated. SGH was the engineer of record for the design of a replacement fender system. We developed an...

Services: [Structural Rehabilitation](#)

Markets: [Oil & Gas](#)

Keywords: [Concrete](#), [Construction Staging](#), [MOTEMS audit](#), [Marine Engineering](#), [Mooring and Berthing](#), [Pier/Wharf/Boat Ramp](#), [Structural Adequacy Assessment](#), [Terminal](#)



Tugboat Allision Investigations

Various Marine Terminals, CA

Project Contacts: [William Bruin](#), [Gayle Johnson](#)

During the spring of 2013, SGH investigated two hard tugboat allisions (collisions with fixed objects such as bridges or docks), at separate marine oil terminals. In both cases, the tugs were...

Services: [Structural Investigation](#)

Markets: [Oil & Gas](#)

Keywords: [Marine Engineering](#), [Pier/Wharf/Boat Ramp](#), [Structural Adequacy Assessment](#)



Seismic Retrofit of Marine Terminal

Martinez, CA

Project Contacts: [William Bruin](#), [Gayle Johnson](#)

SGH was the engineer of record for the seismic retrofit design of two 450 ft long wharf structures that required strengthening to comply with the MOTEMS seismic performance standards for marine...

Services: [Structural Rehabilitation](#)

Markets: [Oil & Gas](#)

Keywords: [MOTEMS audit](#), [Marine Engineering](#), [Performance-based](#), [Pier/Wharf/Boat Ramp](#), [Seismic Engineering and Retrofit](#), [Structural Strengthening](#), [Terminal](#)



MBTA Quincy Commuter Boat Terminal

Quincy, MA

Project Contacts: [Dominic Kelly](#)

The intermodal Quincy Commuter Boat Terminal provided access to the commuter ferry and historic U.S.S. Salem museum. The site consists of a bulkhead seawall and a reinforced concrete wharf. In...

Services: [Structural Investigation](#), [Structural Rehabilitation](#)

Markets: [Ports & Terminals](#)

Keywords: [Concrete](#), [Failure Investigation](#), [Marine Engineering](#), [Metal-Steel](#), [Pier/Wharf/Boat Ramp](#), [Pile](#)



MacMillan Pier Floating Dock

Provincetown, MA

Project Contacts: [Donald Dusenberry](#), [Rasko Ojdrovic](#)

The concrete floating dock on MacMillan Pier incorporated concrete-encased polystyrene floats with light reinforcement in the top and bottom slabs. During its first year of service, the dock...

Services: [Structural Rehabilitation](#)

Markets: [Ports & Terminals](#)

Keywords: [Concrete](#), [Condition Assessment](#), [Cracking](#), [Failure Investigation](#), [Marine Engineering](#), [Pier/Wharf/Boat Ramp](#)



Jack London Square Boardwalk

Oakland, CA

The boardwalk along Oakland Estuary is a central attraction of the Jack London Square entertainment and business area. After leasing a section of the boardwalk from the Port of Oakland, the...

Services: [Structural Rehabilitation](#)

Markets: [Ports & Terminals](#)

Keywords: [Concrete](#), [Condition Assessment](#), [Marine Engineering](#), [Pier/Wharf/Boat Ramp](#), [Wood](#)

