

Project Brief

NASSCO Berths III & IV Pier Strengthening



San Diego, CA
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A 90-ton gantry crane is being supported by a 50-ton rated pier. Although the crane is not typically fully loaded, the pier experienced some overloading from time-to-time.

The beams directly below the crane rails required both shear and flexural enhancement to accommodate the service loads. Fibrwrap Construction provided a design-build proposal based on the engineer's performance requirements.

The work was performed from floating platforms and had to be coordinated with the tides in order to get under the pier.

Only a few piles needed repairs. The batter piles had to be rebuilt to regain their shape and stiffness prior to wrapping. The Tyfo® SEH-51A System was installed using the Tyfo® SW-1 epoxy so that the jacket could cure in the bay.

The Tyfo® SW-1 epoxy was also used as a finish coat on the beams in order to protect them from the rising tides.

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