

Terminal 6, Berth Deepening & Scour Protection Portland, Oregon



Client:

Port of Portland
Portland, Oregon

Contract Value:

\$1,300,000

Project Timeline:

Started: November 2005

Completed: February 2006

Project Highlights:

- 440 lineal-feet of underwater sheetpile wall between edge of dock and existing fender system
- 110 pairs of 60-foot-long AZ25 sheetpiles driven to a top/cutoff elevation 50 feet +/- below water surface
- 1,000 cubic yards of 4-inch-minus and 12-inch-minus rock fill placed underwater
- Relocation and replacement of existing fender system
- Coordination with Port personnel to safely and efficiently work around ship schedules

Advanced American Construction, Inc. (AAC) utilized its considerable underwater construction and diving experience to successfully build the T-6, Berth Deepening and Scour Protection project for the Port of Portland in Portland, OR. AAC in-house diving and surveying personnel played a key role in the timely success of this technically challenging project.

The 440 lineal-feet of underwater sheetpile wall between the edge of the dock and the existing fender system required: 110 pairs of 60-foot-long AZ25 sheetpiles driven to a top elevation 50 feet +/- below the water surface using both vibratory and impact methods; 1,000 cubic yards of 4-inch-minus and 12-inch-minus rock fill and armor rock placed underwater; relocation and replacement of the existing fender system to facilitate installation of sheetpile to tight location and elevation tolerances; and continuous coordination with Port personnel to safely and efficiently work around ship schedules.

AAC took advantage of its recent experience at the Port of Portland's T-4 Berths 410 and 411 project to get ahead on the planning and construction of this very similar project.

