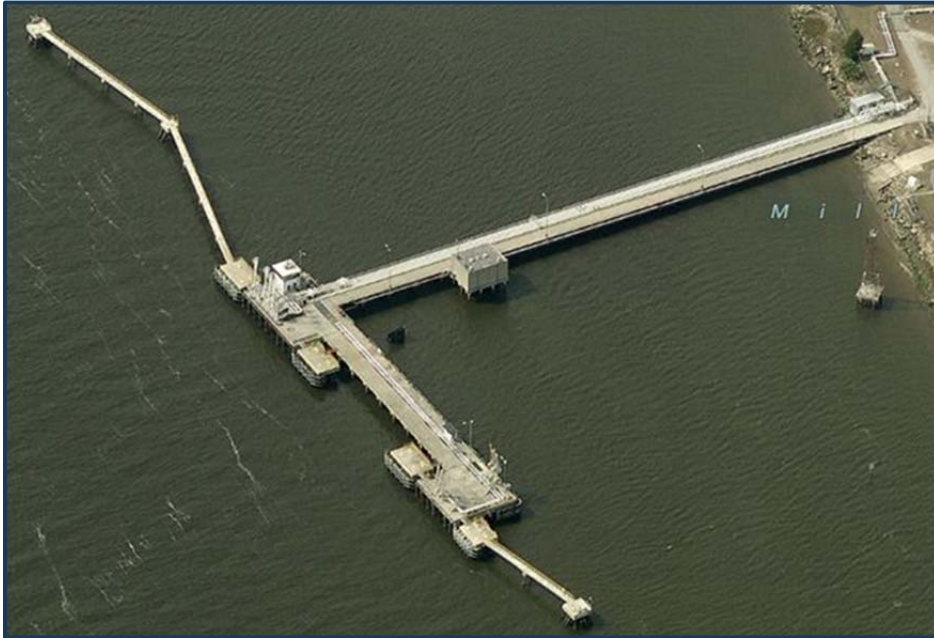


Naval Station Mayport – Fuel Piers 111 & 1455

United States Navy



Project Type

Inspection
Design of Repairs

Location

Jacksonville Florida

Estimated Construction Cost

\$3,439,000 USD

Date of Service

2011

Project Description

Fuel Piers 1455 and 111 provide temporary moorings for vessels and barges during the loading and unloading of petroleum products at Naval Station Mayport near the mouth of the St. Johns River in Mayport, Florida and at the Naval Fuel Depot in Jacksonville, Florida.

A team of in-house engineer divers from Appledore Marine Engineering, Inc. completed a waterfront facility inspection on these structures and identified widespread moderate to advanced deterioration including spalling of the concrete piles and superstructure elements, impact damage to the fender system, and severe corrosion to utility supports. The pile deterioration on Pier 1455 caused a downgrade in the facility operational capacity.

A design analysis was completed and determined the appropriate repair methods in order to restore the original design capacity of Pier 1455 and to extend the service lives of both structures. All required State and Federal permit applications were prepared and approved. Final contract plans and specifications were completed incorporating US Navy and Florida site specific requirements.



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