

# Whitehall Ferry Terminal New York City DOT

Whitehall Ferry Terminal  
Manhattan, NY

## SUBAQUEOUS INSPECTION SURVEY



Atlantic Engineering, LLC has been responsible for the underwater inspection of the Terminal for several years and various improvement projects. The work included the inspection and condition assessment of the gallows towers, bridges, piles, cap beams, underside of deck, and bulkheads with detailed documentation and reports.



## UNDERWATER CONSTRUCTION INSPECTION

The Rehabilitation of Piers and Marine Structures is often a three step process.

1. An initial condition survey is performed in order to determine the extent of repair that is needed.
2. An in-depth inspection allows the production of design drawings and details.
3. Construction inspection ensures compliance with design drawings and verifies any need for change orders.

Atlantic Engineering, LLC has performed inspections during construction at the Terminal and is proficient in all the above steps. We serve as the "eyes" for the client who is personally unable to observe the underwater work being performed.



### WHITEHALL FERRY TERMINAL

Completion Date: On-going  
NYCDOT References: Earl Bain  
Contract Amount: \$60,000

### Atlantic Engineering LLC

170 Kinnelon Rd. Suite 36  
Kinnelon, NJ 07405

Phone (973) 838-3100

Fax (973) 838-2980

EMAIL ATLANTICDV@AOL.COM

WWW.ATLANTICENGINEERING.ORG

# Emergency Fuel Dock Repair New York City D.O.T.

St. George Ferry Terminal  
Staten Island, NY

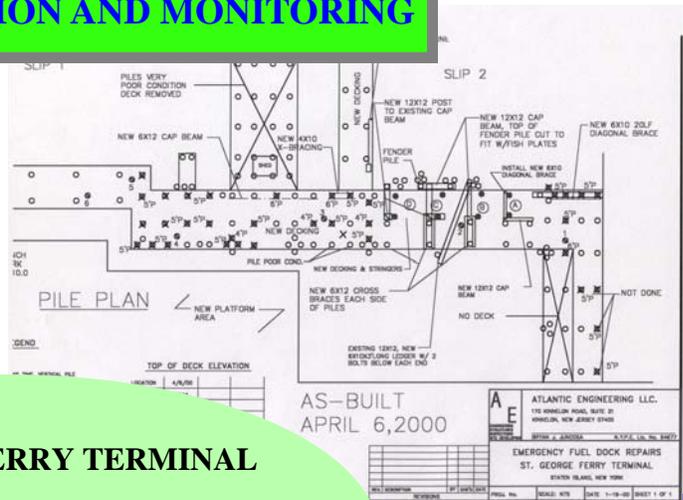
## INSPECTION, EVALUATION, DESIGN



Atlantic Engineering, LLC was summoned for an emergency inspection of the fuel pier. The pier displayed severe deterioration of primary structural members and was exhibiting excessive deflection under ship and barge berth loading. AE performed inspection above and below water with immediate repair recommendations for deteriorated structural elements and design of a temporary fender system. The facility is critical for the operation of the Staten Island Ferry providing refueling for all vessels.

## CONSTRUCTION INSPECTION AND MONITORING

Atlantic Engineering performed construction inspection to ensure compliance with design drawings for the recommended repairs. Survey control monitoring points were set in-order to ensure no further pier movement is occurring. Condition assessments are continued with further repair recommendations on a 6 month frequency until the fuel dock is replaced.



### St. GEORGE FERRY TERMINAL

Completion Date: On-going

NYCDOT References: Sakti Nandi, P.E.

Atlantic Engineering, LLC has performed inspections during construction at the Terminal and is proficient in all aspects of underwater inspection, design, and construction. We serve as the "eyes" for the client who is personally unable to observe the underwater work being performed.

**Atlantic Engineering LLC**  
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Kinnelon, NJ 07405  
Phone (973) 838-3100  
Fax (973) 838-2980  
EMAIL [ATLANTICDV@AOL.COM](mailto:ATLANTICDV@AOL.COM)  
[WWW.ATLANTICENGINEERING.ORG](http://WWW.ATLANTICENGINEERING.ORG)