

Mechanical and Marine Construction Inc.

Project Management / Engineering / High-Rise Services / Commercial Diving / Co-Gen
A Certified Women’s Business Enterprise
www.m-mcinc.com



New York City Office

Suite 700/CRC
1264 Broadway
New York, NY 10001

Long Island Office

91 Beaver Drive
Kings Park, NY 11754

Captain Eric Van Dormolen

Operations Manager
Telephone: 917 456 6965
Email: Eric@m-mcinc.com

Port Authority of New York and New Jersey: Holland Tunnel Ventilation Pier

Project Site:

Holland Tunnel
New York, New York

Project Duration:

June 2013 –
November 2013

Description:

**Platform Pile Cap Repair Using Galvanized Steel Channels
Replaced Old Piles That Were Deteriorated
Reinforced Project with Treated Lumber and Steel
Installed Underwater Concrete Pile Jackets
Replaced Underwater Shoring of Horizontal Sheeting -
Between the Pile Cap and Fill Above**

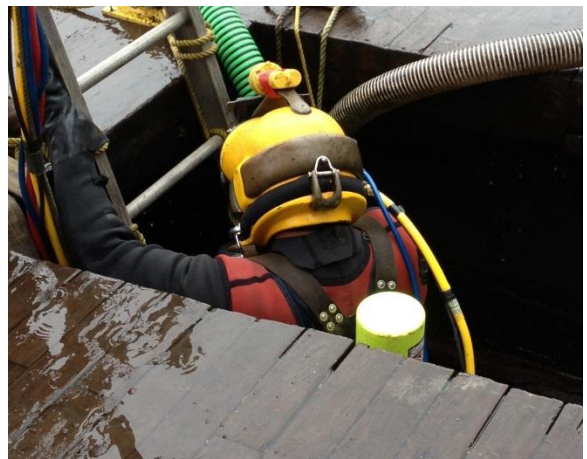
Project Summary

After a few days on the job the diving team discovered the need for overhead shoring. The fill above the piles and cap began to collapse on the divers. We were using a diver operated water dredge, excavating for the concrete encasement of the piles.

The project started out as a concrete encasement with pile jackets and due to the skill of the divers and the onsite professional engineering support, The Port Authority entrusted us to replace additional piles and redesign the repair.

In doing so we made the underwater repairs diver friendly, which in turn increased the daily production and the structural stability of the pier.

The close working relationship between the; Commercial Diving Marine Supervisor in the field, The Structural Engineer in the office and the Project Manager in between, made a professional team in which the Port Authority in house engineer entrusted us with repairing the pier in a safe, efficient and solid manor.



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