

STEEL SHEET COFFERDAMS AND BULKHEADS



NJDOT Route 52 Causeway Reconstruction Phase 2

The second phase of a major replacement project on the Route 52 causeway between Somers Point and Ocean City, New Jersey replaces two existing lift bridges at each end of the causeway with fixed spans and improves the approach roads. Peirce Engineering Inc. was engaged to design 69 cofferdams on land and in open water with depths up to 40 feet to accommodate elevated pile cap construction. Cofferdams ranged in size from 30'W x 30'L to 30'W x 90'L. In addition to the cofferdams, Peirce Engineering, Inc. designed 3 steel sheet pile access bulkheads, cantilevered and tied back with tie rods and steel sheet pile deadmen, which were used for construction access and for off loading material barges.

OWNER:

New Jersey Department of
Transportation

PROJECT ENGINEER:

Michael Baker Jr, Inc.

GENERAL CONTRACTOR:

Rt. 52 Constructors a Joint Venture of
R.E. Pierson Construction Co. and
G.A. & F.C. Wagman, Inc.



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