IHNC STORM SURGE BARRIER COFFERDAMS

New Orleans, LA

The Inner Harbor Navigation Canal (IHNC) Lake Borgne Storm Surge Barrier was built under the direction of the U.S. Army Corps of Engineers to protect the city of New Orleans from hurricane surges coming out of the Gulf of Mexico and Lake Borgne.

The IHNC flood wall protection system consists of 1.8 miles of barrier wall and two gate structures in the Gulf Intracoastal navigation channel. One gate is closed with two massive sector gates that pivot on 90-degree arcs in the horizontal and the other is a caisson like barge swing gate that is ballasted onto and off of a pile support foundation in the closed position.

The contract for the construction of the two gate structures was awarded to Manson Construction in early 2009 and Manson selected Bittner-Shen Consulting Engineers, Inc. (BSCE) to design the temporary cofferdams and prepare the dewatering plans required for both gate structures.

PROJECT INFORMATION

Year Completed: 2011

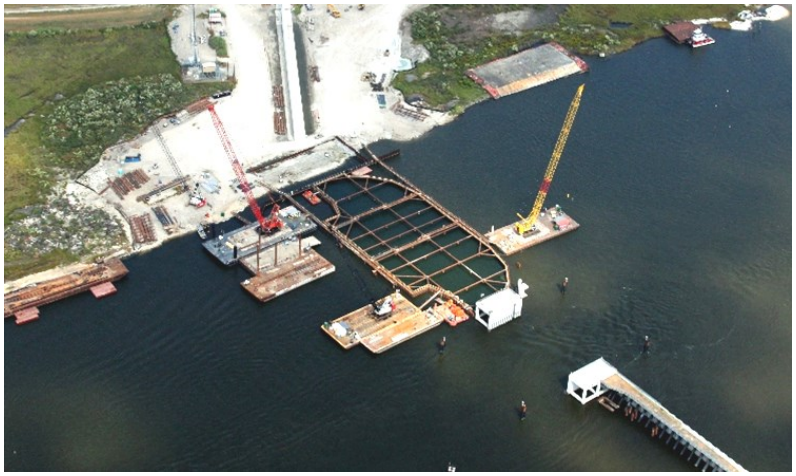
Client: Manson Construction

Owner: U.S. Army Corps of Engineers

Construction Cost: 1.1 Billion (total barrier & gates)

SERVICES PROVIDED

- Structural Design of Bypass Gate Cofferdam
- Structural Design of Bayou Bienvenue Floodgate Cofferdam
- Dewatering Plan for Both Cofferdams



BITTNER-SHEN CONSULTING ENGINEERS, INC.

SPECIALTY ENGINEERING: STRUCTURAL · GEOTECHNICAL · CONSTRUCTION · MARINE

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