

Manhattan, NY

FDR Drive: Outboard Detour Roadway & Fender System



Owner/Client: New York State Dept. of Transportation

General Contractor: Slattery Skanska / Weeks Marine (JV)

Year Complete: 2004 Outboard Roadway & Fender System Installed, 2006 FDR Drive Rehabilitation, 2007 Demolition & Removal of Outboard Roadway & Fender System

Scope of Work: Construction, Caisson Drilling, Demolition

Project Cost: \$148 Million

Five-year project in the East River involving construction of a 0.35-mile outboard detour roadway bridge, installation of a floating fender system, rehabilitation of the FDR Drive between E53rd and E63rd streets, and complete demolition and removal of the detour bridge and fender system at conclusion of rehabilitation. This contract is a joint venture of Weeks Marine and Slattery Skanska, with Weeks responsible for all waterborne work, and Slattery for all landside work. The 45ft wide outboard bridge structure is comprised of steel caissons drilled to 100 ft depths of 190 ft, thirteen floating steel dolphins heald by 3.5" anchor chains, and 10 ft diameter steel floating breasting beams which run continuously for 0.57-mile. Thirty four of the grout anchors with chains were load tested to 330 tons in tension. Weeks Marine self performed the drilling of all sixty-four 74" diameter rock sockets for the bridge caissons using Bauer BG-22 and BG-25 drill rigs working from stand alone platformrs and the WEEKS #751 jack-up barge. THE WEEKS #750 jack-up barge was used as the platform to support drilling the tension anchors, which was performed both by a subcontractor using a Foremost DR-40 drill rig and by Weeks Marine using the BG-25.