

Philadelphia, PA

Schuylkill River Pedestrian Boardwalk



Owner: PADOT

Client: Crossing Construction

Engineer: Jacobs

Year Complete: 2013

Scope of Work: Drilled Shafts

Project Cost: \$3.3 Million

Weeks Marine installed the drilled shafts for an expansion boardwalk for the Schuylkill River Trail. Weeks worked as a drilled shaft subcontractor to Crossing Construction Company. The project included installing 21 drilled caissons in the Schuylkill River, 60" diameter with 48" rock sockets. Also included, were 5 drilled caissons on the land to connect a transverse vehicle bridge, the South Street Bridge, to the boardwalk.

All drilled shafts have 60" permanent casing into the rock socket, and 2-part reinforcement cages. The project started with one test caisson on the water, utilizing a 24" Osterberg load cell. This resulted in a decrease of rock socket length on most of the caissons in the water. Tight horizontal tolerances combined with tough riverbed conditions made this a challenging job.

Shafts were excavated with Weeks' Bauer BG28 and Weeks-668 Manitowoc 4100 with a Hain Drilling attachment tool. Support rigs Weeks-605 Linkbelt LS518 and Weeks-665 Manitowoc 4000 were on site for material handling and concrete placement.