

Charleroi Locks and Dam

Charleroi, PA

Project Description

Construction of portions of new river wall using "in-the-wet" construction techniques for drilled shafts and mass concrete placement.

Owner

US Army Corps of Engineers

Contractor

Trumbull Brayman, J.V.

Designer

INCA Engineers, Inc.

Our Role

Design of specialized lifting systems, work platforms, sheet piling, and other temporary structures during construction.

Total Contract Value

\$96.5 million

Timeline

2005-2010

Construction Method and Specifications

McNary Bergeron assisted the contractor in developing a pre-cast chamber filling culvert system that is suspended below water during tremie concrete placement. The system consists of precast concrete segments that are epoxy joined and post-tensioned together on temporary shoring prior to being lowered on PT bars into final position. McNary Bergeron provided expertise in concrete segment casting and post-tensioning similar to segmental bridge construction that is being adapted to the Contractors preferred construction methods.

