

16-079-3D Rehabilitation of North Branch Pumping Station, NSA

Construction Contract 16-079-3D Rehabilitation of North Branch Pumping Station, NSA is being financed by the Clean Water State Revolving Fund (SRF). The SRF program is administered by the Illinois Environmental Protection Agency and receives a portion of its money to fund these types of projects from the U.S. Environmental Protection Agency. SRF programs operate in each state to provide communities the resources necessary to build, maintain, and improve the infrastructure that protects one of our most valuable resources: water.

Service Area: North

Location: Chicago, Illinois

Engineering Consultant: In-house design

General Contractor: Path Construction Company, Inc.

Contract Award Amount: \$4,613,450.00

Award Date: August 2, 2018

Contract Duration: 500 Calendar Days

Project Description: Provide grouted fiberglass fiber reinforced plastic jackets around the existing concrete columns to protect columns from erosion. Repair underwater deteriorated concrete of the east wall and under the deck wall. Repair deteriorated concrete stairs and concrete deck. Restore balustrade and deck lighting.

Project Justification: The North Branch Pumping Station has five (5) 300 cubic feet per second (cfs) discharge pumps that discharge excess storm water into the river to control flooding. The high velocity of the water discharged from these pumps has caused severe erosion around the existing concrete building columns below the water surface. As a result, concrete column cross sections have eroded more than 20 percent and, in some cases, up to 50 percent of the original size. Restoration of concrete columns is essential for the safe serviceability of the building.

