

08-174-3D Battery A Improvements and Battery B Installation of Mechanical Mixers, Stickney WRP

Construction Contract 08-174-3D Battery A Improvements and Battery B Installation of Mechanical Mixers, Stickney WRP is being financed by the Clean Water State Revolving Fund (SRF), SRF Loan No. L172745. 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: Stickney

Location: 6001 W. Pershing Road, Cicero, IL 60804-4112

Engineering Consultant: In-House Design

General Contractor: IHC Construction Companies, LLC

Contract Award Amount: \$56,449,000.00

Award Date: December 5, 2024

Contract Duration: 925 Calendar Days

Loan Amount: \$55,358,345.27

Loan Interest Rate: 1.87%

Loan Repayment Period: 30 years

Project Description: The purpose of this project is to rehabilitate the 80-year-old concrete infrastructure in the Battery A final settling tanks and add safety railings and davit sleeves. Additionally, the scope includes the installation of 32 mechanical mixers in Battery B to allow for proper mixing of anaerobic zones and complete the conversion to enhanced biological phosphorus removal in all four batteries at the Stickney WRP.

Project Justification: Batteries A and B were constructed originally in the 1930s. This project will rehabilitate the 80-year-old concrete in Battery A final settling tanks, which is severely deteriorated in some locations. The addition of railings around final settling tanks and along the mixed liquor channel will safeguard employees, contractors, and/or visitors. The new mechanical mixers to be installed in Battery B will complete the conversion to the enhanced biological phosphorus removal process at the Stickney WRP to help meet total phosphorus limits on effluent discharges.

