

18-144-3M, Mainstream TARP Pumps Rehabilitation, Stickney Water Reclamation Plant

Construction Contract 18-144-3M Mainstream TARP Pumps Rehabilitation, Stickney Water Reclamation Plant, is being financed by the Clean Water State Revolving Fund (SRF), SRF Loan No. L175578. 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: Mainstream Pumping Station, 6100 South River Road, Hodgkins, IL 60525

Engineering Consultant: In-house Design

General Contractor: IHC Construction Companies, L.L.C.

Contract Award Amount: \$23,380,000.00

Award Date: April 1, 2021

Contract Duration: 1,278 Calendar Days

Project Description: The purpose of this project is to completely overhaul TARP Pumps 1 and 3 in the South Pump House and Pump 5 in the North Pump House of the Mainstream Pumping Station, including the associated motors and discharge cone valves and actuators, in order to restore capacity and reliability. The complete overhaul of the pump and motor involves the furnishing and installing of new parts, refurbishing existing salvageable parts, replacing motor exciter panels, and upgrading pump control components.

Project Justification: The overhaul will reduce the maintenance labor required, allow for better pump and motor monitoring, and improve reliability. Once the overhaul is complete, there will be a reduction in the electrical energy usage to power pumps, as the pump will operate more efficiently by being able to pump more fluid in less time. The overhaul will also extend the useful life of the pumps and motors, which have been in service since May 1985.

