20-903-31, Furnish, Deliver and Install Coarse Screens,
Stickney Water Reclamation Plant

Construction Contract 20-903-31 Furnish, Deliver and Install Coarse Screens, Stickney Water Reclamation Plant, is being financed by the Clean Water State Revolving Fund (SRF), SRF Loan No. L173801. 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: Stickney Water Reclamation Plant, 6001 W. Pershing Road, Cicero, IL 60804

Engineering Consultant: In-House Design

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

Contract Award Amount: $4,374,000.00

Award Date: May 20, 2021

Contract Duration: 1,080 Calendar Days

Project Description: The purpose of this project is to remove and replace the existing six (6) climber-style southwest coarse screens and furnishing, delivering, and installing six (6) new chain and sprocket-style coarse screens in the same location. The southwest coarse screens protect the main sewage pumps in the Pump and Blower Building from debris in the influent flow.

Project Justification: The current climber-style screens have resulted in frequent operational issues and are nearing the end of their useful life. The hydraulic systems for each of the six coarse screens have experienced frequent failures. The annual maintenance costs for the screens are exceedingly high. Additionally, the coarse screens see heavy debris through the influent flow and are frequently "blinded" due to the extended cycle time required for climber screens. This results in additional maintenance costs, as well as issues with the operation of the main sewage pumps downstream of the screens. This project will replace the existing southwest coarse screens with more heavy-duty, reliable, chain and sprocket-style screens. The new coarse screens will significantly reduce maintenance costs and operational issues in the future.