

North Side Sludge Pipeline Replacement - Section 1, NSA

Project Number 07-027-3S

Service Area North

Location Skokie, Lincolnwood, and Chicago, IL

Engineering Consultant In house design

Engineering Contractor To be determined

Estimated Construction Cost \$16,365,000

Contract Award Date November 2020

Substantial Completion Date July 2023



Project Description The purpose of this project is to replace Section 1 of the existing North Side Sludge Pipeline and rehabilitate 42 existing structures located in the Villages of Skokie and Lincolnwood and the City of Chicago.

Project Justification Due to external corrosion and damage caused by construction activities of others in the area, the pipeline developed a number of holes over the years resulting in sludge overflowing into the North Shore Channel. In order to increase the reliability of sludge conveyance, the pipeline needs to be rehabilitated and/or replaced. The structures were inspected by the Maintenance & Operations Department in January 2008 with a closed-circuit television inspection system and by physical inspection. The video inspection shows that the piping and valves inside the structures have corroded. Due to the importance of the North Side Sludge Pipeline, the piping and valves in the 42 structures will be removed and replaced. New automatic air release valves will be installed in the remaining existing structures to preserve the useful life of those structures.

Project Status Design completed