

North Shore 1 Rehabilitation, NSA

Project Number	10-047-3S
Service Area	North
Location	Kenilworth, Winnetka, and Wilmette, IL
Engineering Consultant	In-house design
Engineering Contractor	To be determined
Estimated Construction Cost	\$43,500,000
Contract Award Date	December 2023
Substantial Completion Date	July 2026



Project Description	This project will rehabilitate a 10,108-foot long, six-foot by nine-foot sewer, a 4,164-foot long, six-foot by eight-foot sewer, and 22 manhole structures in Kenilworth, Winnetka, and Wilmette. The project will also construct three manholes on the Evanston Intercepting Sewer No. 1 and modify DS-M105E in Evanston.
Project Justification	The sewers were inspected by the Maintenance & Operations Department with a closed-circuit television inspection system. The video shows infiltration and concrete/metal deterioration due to hydrogen sulfide. In order to restore the hydraulic and structural integrity of the sewers, they need to be rehabilitated. The manholes and structures exhibit similar signs of deterioration and also need to be rehabilitated. Construction of new manholes along the Evanston intercepting sewer is necessary to provide access to the sewer at pipe bends and longer segments. Modifications to DS-M105E will disconnect a City of Evanston storm sewer from the combined sewer system. The storm sewer will be reconnected to an outfall to discharge stormwater to the nearest waterway.
Project Status	Design