

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