

Capital Improvement Plan

City of Shakopee, Minnesota

2021 *thru* 2025

Department Sanitary Sewer Fund
 Contact Public Works Director
 Type Improvement
 Useful Life 20
 Category Sanitary Sewer
 Priority 1 Critical for Safety/Preservati
 Status Active

Project #	Sewer-19-001
Project Name	Lift Station #16 Rehabilitation

Accounting Code 5856/6856

Fund Sanitary Sewer Fund

Description

Total Project Cost: \$2,732,000

A feasibility study was completed in 2020 to determine a detailed scope and cost for the rehabilitation needs of L-16. Needed improvements include pumps, motors and controls, interior coating applications, ARC Flash improvements, building repairs, live well improvements, integration of the old lift house live well as a backup, demo of the old L-16 building, and emergency pumping improvements and levee repair. Emergency replacements of the grinder and one of the primary pumps occurred in 2020.

Justification

The ageing infrastructure (20+ years for many of the components) of L-16 must be kept in a high state of repair due to the significance and importance of this lift station, that serves a substantial portion of the community. The old building is not used, and the condition is such, demolition is in order. The wet well is used for storage in a backup situation and would be preserved.

Prior	Expenditures	2021	2022	2023	2024	2025	Total
142,000	Construction/Maintenance	1,227,000	159,000			905,000	2,291,000
Total	Engineering/Administration	160,000	21,000			118,000	299,000
	Total	1,387,000	180,000			1,023,000	2,590,000

Prior	Funding Sources	2021	2022	2023	2024	2025	Total
142,000	Sanitary Sewer Fund	1,387,000	180,000			1,023,000	2,590,000
Total	Total	1,387,000	180,000			1,023,000	2,590,000

Budget Impact/Other

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Project #	Sewer-19-001
Project Name	Lift Station #16 Rehabilitation



PROJECT LOCATION

Capital Improvement Plan

City of Shakopee, Minnesota

2021 *thru* 2025

Department Sanitary Sewer Fund
Contact Public Works Director
Type Improvement
Useful Life
Category Sanitary Sewer
Priority 1 Critical for Safety/Preservat
Status Active

Project #	Sewer-19-005
Project Name	SCADA System Upgrades

Accounting Code 5857/6857

Fund Sanitary Sewer Fund

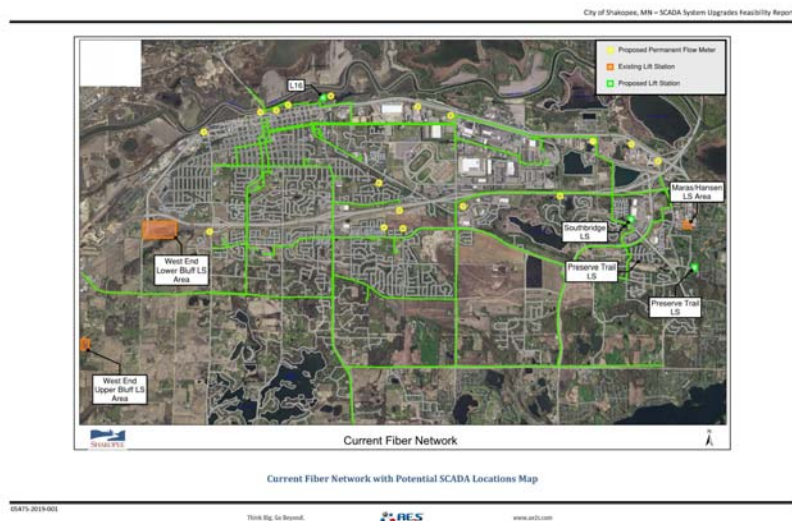
Total Project Cost: \$549,000

Description
Replace/improve the sewer lift station #16 telemetry system. The proposed system includes an automated supervisory control and data acquisition (SCADA) system using the city's fiber optic network and other communication modes (cell or wi-fi). Several missing segments of fiber optic are included as part of the system buildout. A feasibility study was performed in 2020 that detail the scope and cost for this project. The system will integrate flow and pressure monitoring of the city's low pressure forcemain along Stagecoach Road and the trunk gravit line along the Minnesota River. The city will also be set up to further integrate the existing Southbridge sanitary lift station, the one storm sewer lift station located on the east side of the city along Preserve Trail, and future sewer expansion lift stations as developed.

Justification
Improved reliability, backup, response time and data collection resulting in a more safeguarded sewer system to minimize and avoid backups caused by lift station failure.

Prior	Expenditures	2021	2022	2023	2024	2025	Total
33,000	Improvements	435,000					435,000
	Engineering/Administration	81,000					81,000
Total	Total	516,000					516,000

Prior	Funding Sources	2021	2022	2023	2024	2025	Total
33,000	Sanitary Sewer Fund	435,000					435,000
	Storm Drainage Fund	81,000					81,000
Total	Total	516,000					516,000



Capital Improvement Plan

City of Shakopee, Minnesota

2022 *thru* 2026

Department Sanitary Sewer Fund
 Contact Public Works Director
 Type Improvement
 Useful Life 50
 Category Sanitary Sewer
 Priority 2 Important-Provide Efficiency
 Status Active

Project # Sewer-21-001
 Project Name Utility Extension - Maras St, 13th Ave, Hanson Ave

Accounting Code

Fund Sanitary Sewer Fund

Description

Total Project Cost: \$5,471,000

This is the extension of sanitary sewer and water service to the properties adjacent to Maras Street, 13th Avenue, Hansen Avenue and the east side of Stagecoach. This project requires the construction of a lift station and watermain loop. Possible sewer grants may be available as this area is in a ground water sensitive area being the Eagle Creek Watershed.

Justification

Properties have been notified by Scott County Environmental Health of failures in septic systems. Most of the wells have contaminated water and fire protection service can be improved with city water.

Prior	Expenditures	2022	2023	2024	2025	2026	Total
427,000	Construction/Maintenance	4,547,000					4,547,000
Total	Engineering/Administration	497,000					497,000
	Total	5,044,000					5,044,000

Prior	Funding Sources	2022	2023	2024	2025	2026	Total
427,000	Capital Improvement Fund	1,927,800					1,927,800
Total	Cost Sharing, SPUC	1,530,000					1,530,000
	Sanitary Sewer Fund	695,000					695,000
	Special Assessments	826,200					826,200
	Storm Drainage Fund	65,000					65,000
	Total	5,044,000					5,044,000

Budget Impact/Other

Possible sewer grants may be available as this area is in a ground water sensitive area being the Eagle Creek Watershed. Staff will evaluate existing storm sewer, curb and gutter and other infrastructure to keep project costs lower.

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Department Sanitary Sewer Fund
Contact Public Works Director

Project #	Sewer-21-001
Project Name	Utility Extension - Maras St, 13th Ave, Hanson Ave



PROJECT LOCATION