



Department Source: City Utilities - Water and Light

To: City Council

From: City Manager & Staff

Council Meeting Date: October 2, 2023

Re: Administrative Public Improvement Project: Wellfield Security Expansion.

Executive Summary

This purpose of this proposed administrative public improvement project is to improve and expand the physical security for the drinking water supply wellfield that is located in the McBaine Bottoms as shown on the attached map. Estimated project cost is \$175,000 funded by utilizing a combination of operational funds and previously appropriate funding in CIP project W0283 – Fiber to Water Facilities.

Discussion

Staff is proposing to utilize the administrative public improvement project process to improve and expand the physical security for the City's drinking water supply located in the McBaine Bottoms as shown on the attached map. This project in response to an increasing frequency and severity of vandalism to the City's water production wells and wellfield equipment.

The scope of the proposed project consists of extending fiber optic communication lines, installing security cameras at the wells, constructing security fencing around each well and installing miscellaneous communication equipment. The fencing will provide additional physical security to better protect each well site and will help deter vandalism. The fiber optic communication lines and cameras will enable the Water Treatment Plant (WTP) staff to closely monitor the water production wells from the WTP control room as well as capture video recording of any vandalism incidents that occur.

This project is proposed to be completed by a combination of City staff and the utilization of existing term-and-supply contracts. All work will be performed on City owned property or within existing public right-of-way.

The project is estimated to cost \$175,000. The project will be funded by utilizing a combination of operational funds and previously appropriate funding in CIP project W0283 – Fiber to Water Facilities.

Staff met with all three property owners that are adjacent to the City's wellfield on August 22, 2023. Staff also had individual conversations with the adjacent property owners during the weeks of September 18, 2023 and September 25, 2023. All of the potentially impacted property owners support the project.

Fiscal Impact

Short-Term Impact: The estimated cost of the project is \$175,000.



City of Columbia

701 East Broadway, Columbia, Missouri 65201

Long-Term Impact: This project is not anticipated to have long-term fiscal impact

Strategic & Comprehensive Plan Impact

Strategic Plan Impacts:

Primary Impact: Reliable and Sustainable Infrastructure, Secondary Impact: Not Applicable, Tertiary Impact: Not Applicable

Comprehensive Plan Impacts:

Primary Impact: Infrastructure, Secondary Impact: Not applicable, Tertiary Impact: Not Applicable

Legislative History

Date	Action
None	None

Suggested Council Action

No action required unless Council wishes to direct the City Manager to follow the standard public improvement process.