



Agenda Report

MEETING DATE: Tuesday, December 12, 2023

TO: City Council

FROM: PUBLIC WORKS & UTILITIES DIRECTOR LINDBERG
WASTEWATER DIVISION MANAGER SMITH

THROUGH: CITY MANAGER MENDEZ

SUBJECT: CONTRACT WITH DUDEK FOR THE TEMPORARY HEADWORKS
RELOCATION PROJECT

RECOMMENDED ACTION:

Adopt a resolution that (1) awards a contract to Dudek for the Temporary Headworks Relocation Project in the amount of \$291,586; (2) authorizes the City Manager to execute said contract; and (3) authorizes an appropriation of \$291,586 from the Wastewater Enterprise fund balance to budget account code 0710-911-7855-14410.

BACKGROUND:

The City's Wastewater Treatment Facility (WWTF) comprises multiple stages of treatment processes. The area known as the headworks is where the first stage occurs: influent pumping, preliminary treatment, and flow monitoring. The headworks structure was originally constructed in the 1950's, is severely corroded creating a life/safety hazard, and an immediate near-term solution is now necessary to keep the facility operational while a new headworks is designed and constructed. Staff proposes to use a qualified firm to assist with a design for a temporary relocation project.

DISCUSSION:

The headworks area at the City's WWTF is an above-ground concrete structure that most importantly contains sewage screening equipment and a flow monitoring system, among other systems. The headworks is a single point of failure at the WWTF and is in urgent need of an immediate near-term solution to keep the facility operational while new facilities are designed. Decades of corrosive sewer gasses have severely corroded the concrete, exposing aggregate and rebar, and making the structure unsafe to walk on in certain areas. A professional structural engineer was hired to evaluate the severity of the corrosion and opined that the structure would not likely last another 3 years without some intervention.

Staff have evaluated near-term options and determined that constructing temporary facilities for the relocation of screening and flow monitoring equipment is the best path forward, while a new headworks is designed and constructed under a separate contract.

Dudek was selected from the City's list of On-Call Water and Wastewater Design consultants for their knowledge and experience in rehabilitating aged wastewater facilities. The on-call consultants list was selected from the publicly advertised Request for Qualification Statements from Consulting Engineering Firms for Periodic and On-Call Water and Wastewater Professional Design Services in July 2023 that is valid for three years.

Staff therefore recommends a professional services agreement be executed with Dudek in the amount of \$291,586 for the Temporary Headworks Relocation Project. A separate contract with another engineering firm will be brought before the City Council for approval simultaneously with this contract.

STRATEGIC PLAN:

This project supports Strategic Plan Priority:

2 – Infrastructure & Environment

FINANCIAL IMPACT:

An appropriation of funds in the full contract amount of \$291,586 from the Wastewater Enterprise fund balance to account code 0710-911-7855-14410 is needed to cover the cost of this contract.

ALTERNATIVE ACTION:

Council could elect not to award the contract to Dudek.

ATTACHMENTS AND/OR REFERENCES (If any):

None.