



Department Source: City Utilities - Sewer/Stormwater

To: City Council

From: City Manager & Staff

Council Meeting Date: April 7, 2025

Re: Authorizing an agreement for professional engineering services with TREKK Design Group, LLC to provide sanitary sewer flow monitoring for sanitary sewer model calibration.

## Executive Summary

Staff has prepared for Council consideration a resolution authorizing the City Manager to execute an agreement with TREKK Design Group LLC. in an amount not to exceed \$142,720.00 to provide professional engineering services for Sanitary Sewer Flow Monitoring, calibration, and conducting four (4) training workshops.

## Discussion

Developing a Sewer system hydraulic model was an action item in the Wastewater and Stormwater Integrated Management Plan. Flow monitoring is required to calibrate the hydraulic model. Flow monitoring consists of the installation, monitoring and maintenance of sanitary sewer flow meters and rainfall gauges. Data collected from this work will be used to further calibrate the existing base sewer hydraulic model and establish the rainfall derived inflow and infiltration impact to the system.

Approximately ten (10) locations, sanitary sewer structures, will have a flow meter installed to provide flow data. Five (5) rain gauges will also be installed in the spring of 2025 for a monitoring period to extend for a duration of 90 days.

TREKK Design Group LLC. will conduct four (4) workshops to train designated City staff on integrating data into the sanitary sewer model. The training will cover model assumption documentation, recalibration, scenario development and evaluation, capacity issue identification, and project improvement planning.

This project is the next step in a multi-year effort to develop a working sanitary sewer model that will provide the Sewer Utility with the capability to analyze system capacity, identify areas for future upgrades, and reduce the occurrence of sanitary sewer overflows (SSOs). Future inflow and infiltration study areas will be selected based upon the calibrated sewer hydraulic model. The agreement with TREKK Design Group LLC is for a not to exceed amount of \$142,720.00 and will be paid from the Sewer Utility operating budget.

## Fiscal Impact

Short-Term Impact: \$142,720.00 from the Sewer Utility operating budget.

Long-Term Impact: N/A



## 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: Environmental Management, Tertiary Impact: Not Applicable

## Legislative History

Date	Action
02/20/2025	R33-23 Authorizing an agreement for professional engineering services with TREKK Design Group, LLC for sanitary sewer flow monitoring for calibration of the sewer hydraulic model and to establish rainfall derived inflow and infiltration impacts.

## Suggested Council Action

Approve the resolution.