

CONTRACT

220037

Ordinance Fact Sheet

A-E/Negotiated Form

Revised 1-13-2022

Brief Title	Approval Deadline	Reason
Authorizing a Professional, Specialized, or Technical Services contract with TREKK Design Group, LLC for the Smart Sensor Network Maintenance and Field Services project and authorizing two successive one-year renewal options without further City Council approval.		To authorize execution of a Professional, Specialized, or Technical Services contract and expenditures and to authorize two successive one-year renewal options.

Details

Reason for Contract

In 2010, the City of Kansas City, Missouri entered into a Consent Decree with the United States Environmental Protection Agency (EPA) to reduce the volume and frequency of overflows from the City's sewer system over a 25-year period. In March 2021 the Consent Decree was modified to include additional interim and revised final performance criteria and to extend its duration to 30 years. The City's Smart Sewer Program is currently in year 11 of a 30-year implementation period.

In 2018, the City deployed an extensive monitoring system consisting of 267 sensors. This work has been carried through previous contracts with an existing service provider with the goals of evaluating the potential of a real-time decision support system and optimizing future infrastructure improvements to meet federal Consent Decree requirements. Over the next decade the vision is to expand the permanent sensor network to increase the level of detail and amount of spatial coverage with multi-year data to support sewer system management. The data collected from sensor network and consequent data analytics will be used for continuous evolution of integrated human and artificial intelligence and for improving system performance over next decade and beyond.

Roles and Responsibilities

Sponsor	Water Services Department
Department or Programs Affected	Smart Sewer Program
Recommended Awardee	TREKK Design Group, LLC
Contract Compliance Certification Obtained?	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes
Opponents	Groups or Individuals None known Reason for Opposition
Responsibilities	Program Management TREKK Design Group, LLC Inspections: N/A Construction or Project Management: N/A Service Monitoring: N/A

Discussion

Project Justification

The purpose of this project is to continue operating, maintaining, and expanding the existing Smart Sensor Network, and to continue data collection and delivery services. Data collected from this project will be used by the City to perform data analytics in support of various sewer management functions, to support the development of strategies for evolving data driven system engineering, operations and maintenance, and to support data dashboards and decision support systems.

Project Description

The scope of work to be performed under this contract entails the following services:

- Assessing the baseline condition of existing sensor network.
- Investigating proposed sensor sites for network expansion/modification and confirmation of hydraulic suitability.
- Maintaining up to 300 permanent sensors to include a combination of depth-velocity and/or depth only sensor locations.
- Collecting data with access in real-time and storing with viewing platform as approved by KC Water.
- Performing remote monitoring/interrogation of real-time data for proper operation and timely detection of data loss or inaccuracies to trigger field services necessary within 24 hours of being identified or being notified of such by KC Water.
- Conducting sensor verification through confined space entry or non-confined space entry, as necessary.

Policy/Program Impact

Policy or Program Emphasis Change	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
Operational Impact Assessment	N/A

(Continued on reverse side)

Details

- Managing and securing of all flow monitoring equipment assets.
- Training for data access and sensor site equipment service and maintenance as requested by KC Water.
- Collaborating with KC Water's internal and external partners associated with the sensor network, including KC Water's Smart Sewer Program and other Design Professionals contracted with the City to provide digital strategies and data analytics services.

This proposed ordinance will be for a term of one year with two successive one-year renewal options.

Proposed Contract: \$ 1,200,000.00
 Proposed Renewal No.1: \$ 1,236,000.00
 Proposed Renewal No.2: \$ 1,273,080.00
 Total: \$ 3,709,080.00

This project impacts Kansas City, Missouri in Cass, Clay, Jackson, and Platte Counties.

Solicitation

The Project was solicited in accordance with City requirements. The RFP solicitation was for a one-year contract with the option for two successive one-year contract renewals. Three (3) proposals were received on August 24, 2021.

Consultant Selection

TREKK Design Group, LLC was selected for this project in accordance with Code of Ordinance Section 3-31(b)(1), Department selection.

Civil Rights and Equal Opportunity Department Approval

Goals on the project are 15% MBE and 15% WBE. Subcontracting information will be submitted to the Civil Rights and Equal Opportunity Department for review on January 6, 2022, and was approved on January 13, 2022 with 15% MBE and 15% WBE participation.

Grant Funding

N/A

Is it good for the children? Yes.

How will this contribute to a sustainable Kansas City?

This project will contribute to a sustainable Kansas City by improving the performance, capacity, and reliability of the City's sewer system, thereby reducing sewer overflows and improving water quality.

Estimated Duration of Contract: 365 calendar days with two successive one-year renewal options.

Fact Sheet Prepared by: Leona Walton
 Contracts Manager
Date: 1/5/2022

Reviewed by: D. Matt Bond
 Deputy Director
Date: 1/5/2022

Reference Numbers: Contract No. 1642
 Project No. 81000977

Finances

City's Estimate of Cost	\$ 1,200,000.00
Bid or Proposal Data	<i>Lowest Contract Cost Submitted</i> \$ NA FOR A-E No. of Proposals Considered: 3 Reason for rejecting lowest contract cost submitted: NA for A-E
Other Bidders or Contractors Considered	Contract Costs Submitted George Butler Associates, Inc. \$ NA FOR A-E ADS LLC \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
Fund Sources and Appropriation Account Codes For This Contract	22-8110-807769-B-81000977 Overflow Control Program Project No. 81000977
Source of Future Operating Funds	
Maximum Amount of Proposed Contract	\$ 1,200,000.00
Amount of Contingency	\$
Engineering & Administration	\$
TOTAL	\$ 1,200,000.00

Council Committee Actions

Do Pass	<input type="checkbox"/>	<input type="checkbox"/> Hold
Do Pass (as amended)	<input type="checkbox"/>	<input type="checkbox"/> W/o Recommendation
Committee Sub.	<input type="checkbox"/>	<input type="checkbox"/> Do Not Pass