



# City of Kansas City, Missouri

## Docket Memo

Ordinance/Resolution #: 250663

Submitted Department/Preparer: Water

Revised 6/10/24

Docket memos are required on all ordinances initiated by a Department Director. More information can be found in [Administrative Regulation \(AR\) 4-1](#).

### Executive Summary

Authorizing a \$110,000.00 design professional services contract Amendment No. 2 to Contract No. 9489 with HDR Engineering, Inc., for the Secondary Electrical Switchgear Improvements at the Water Treatment Plant project for a total contract amount of \$2,681,616.00; authorizing an extension of the term for an additional 761 days for a total term of 2,660 days (7.3 years); and recognizing this ordinance as having an accelerated effective date.

### Discussion

#### Project Justification

The existing 2.4 KV electrical switchgear installed at Kansas City's Water Treatment Plant in 1954 is unreliable and difficult to maintain. In addition, projected pumping demand is making it necessary to increase treatment plant electrical capacity long term. This secondary electrical switchgear replacement project is the second step toward addressing these issues; with the first step being the substation constructed.

The design goals are to increase electrical capacity and improve reliability of the 2,400-volt electrical power sources in the Water Treatment Plant by replacing the secondary switchgear and related supervisory control and data acquisition (SCADA) equipment. Also included in the project is the chemical building 2,400 volt switching equipment installed in 1991, which also has capacity deficiencies as well as needed configuration improvements.

The Water Treatment Plant is located at 1 N.W. Briarcliff Road, Kansas City, Clay County, Missouri.

#### Design Professional Services Project Description/Executed Contract Summary

The scope of services on this project includes:

- Developing and managing the preparation of design documents for the 2,400 volt switchgear replacement including consideration of construction

sequencing and layout at the Water Treatment Plant, Secondary Pump Station, and Chemical Building.

- Studying and documenting existing plant-wide electrical loads and transfer schemes.
- Maintaining loads with a margin of safety and coordination throughout construction as required to maintain plant operations.
- Replacement of related SCADA monitoring and control equipment; and
- Performing a risk analysis study and assisting the team in construction sequencing and design decisions.

City Council passed Ordinance No. 190333 on May 2, 2019, authorizing a \$1,430,850.00 design professional services contract, which was executed by the City on July 23, 2019, with HDR Engineering, Inc., for the Secondary Electrical Switchgear Improvements at the Water Treatment Plant project.

City Council passed Ordinance No. 210374 on May 6, 2021, authorizing a \$1,140,766.00 design professional services contract Amendment No. 1, which was executed by the City on July 27, 2021, for construction phase services and resident phase services.

This proposed ordinance is for a \$110,000.00 Amendment No. 2 for construction phase services for continuous construction of the 120-volt station power at the Secondary Pump Station, and an extension of the term for an additional 761 days for a total term of 2,260 days (7.3 years).

#### Term

The term of this project will be increased by 761 calendar days with this proposed Amendment No. 2.

#### Design Professional Services Contract Cost Summary

- Original Contract: \$1,430,850.00
- Amendment No. 1: \$1,140,766.00
- Proposed Amendment No. 2: \$110,000.00
- Total: \$2,681,616.00

#### MBE/WBE Goals

The Human Relations Department (now known as CREO KC) established goals of 10% MBE and 6% WBE on this design professional services project on July 12, 2018, which pre-dated CREO's Annual Goal Program.

#### Original Solicitation

This Project was originally advertised in accordance with the City's requirements. Three proposals were received on February 5, 2019.

### Awardee/Subcontracting Participation

A city-wide selection committee met on March 14, 2019, and consisted of the following individuals:

- Jermaine Reed, 3<sup>rd</sup> District Councilmember
- Andy Shively, Special Assistant City Manager
- D. Matt Bond, Chief Engineering Officer, KC Water

HDR Engineering, Inc. was recommended for this project on June 3, 2019, with a contract amount of \$1,430,850.00, with subcontracting participation of 27% MBE and 6% WBE.

### Other Proposals Received

- Black & Veatch Corporation
- Tetra Tech, Inc.

### Estimated Project Cost

The City's estimated cost for this amendment is \$110,000.00.

## **Fiscal Impact**

1. Is this legislation included in the adopted budget? ☒ Yes ☐ No
2. What is the funding source?  
Water Fund - 26-8010-807773-611040-80002134 = \$110,000.00  
Water Treatment Plant Project
3. How does the legislation affect the current fiscal year?  
This ordinance is revenue supported and will not have a net impact on the current fiscal year.
4. Does the legislation have a fiscal impact in future fiscal years? Please notate the difference between one-time and recurring costs.  
No.
5. Does the legislation generate revenue, leverage outside funding, or deliver a return on investment?  
No.

### **Office of Management and Budget Review**

(OMB Staff will complete this section.)

1. This legislation is supported by the general fund. ☐ Yes ☒ No

2. This fund has a structural imbalance. ☐ Yes ☒ No
3. Account string has been verified/confirmed. ☒ Yes ☐ No

**Additional Discussion (if needed)**

### Citywide Business Plan (CWBP) Impact

1. View the [Adopted 2025-2029 Citywide Business Plan](#)
2. Which CWBP goal is most impacted by this legislation?  
Infrastructure and Accessibility (Press tab after selecting.)
3. Which objectives are impacted by this legislation (select all that apply):
  - ☐ Engage in thoughtful planning and redesign of existing road networks to ensure safety, access, and mobility of users of all ages and abilities.
  - ☐ Enhance the City's connectivity, resiliency, and equity through a better-connected multi-modal transportation system for all users.
  - ☐ Build on existing strengths while developing a comprehensive transportation plan for the future.
  - ☒ Develop environmentally sustainable infrastructure strategies that improve quality of life and foster economic growth.
  - ☒ Ensure adequate resources are provided for continued maintenance of existing infrastructure.
  - ☐ Focus on delivery of safe connections to schools.

### Prior Legislation

City Council passed Ordinance No. 190333 on May 2, 2019, authorizing a \$1,430,850.00 design professional services contract with HDR Engineering, Inc., for the Secondary Electrical Switchgear Improvements at the Water Treatment Plant project.

City Council passed Ordinance No. 210374 on May 6, 2021, authorizing a \$1,140,766.00 design professional services contract Amendment No. 1 for construction phase services and resident phase services on the Secondary Electrical Switchgear Improvements at the Water Treatment Plant project.

## Service Level Impacts

This project will allow the Water Utility to continue to meet its service level commitments.

## Other Impacts

1. What will be the potential health impacts to any affected groups?  
This project will help to maintain public health.
2. How have those groups been engaged and involved in the development of this ordinance?  
This project is on City owned property and is for the maintenance of public health.
3. How does this legislation contribute to a sustainable Kansas City?  
This project will replace electric switchgear, which is beyond its useful life, with new, more reliable, and more efficient equipment. This will allow water to be supplied to all customers in an efficient manner for years to come.
4. Does this legislation create or preserve new housing units?  
No (Press tab after selecting)

[Click or tap here to enter text.](#)

5. Department staff certifies the submission of any application Affirmative Action Plans or Certificates of Compliance, Contractor Utilization Plans (CUPs), and Letters of Intent to Subcontract (LOIs) to CREO prior to, or simultaneously with, the legislation entry request in Legistar.

**No - CREO's review is not applicable** (Press tab after selecting)

The original Contractor Utilization Plan was submitted to the Human Relations Department for review on April 19, 2019, and was approved on April 30, 2019, with 27% MBE and 6% WBE participation.

A Request for Modification was submitted to the Human Relations Department on March 18, 2021, and was approved on March 31, 2021, amending the project participation to 23% MBE and 6% WBE. The request to modify the MBE goals was due to a scope change.

Subcontracting goals will be met with this proposed Amendment No. 2.

There are Affirmative Action Program requirements in this contract.

6. Does this legislation seek to approve a contract resulting from an Invitation for Bid?

No(Press tab after selecting)

N/A

7. Does this legislation seek to approve a contract resulting from a Request for Proposal/Qualification (RFP/Q)?

No(Press tab after selecting)