

# CONTRACT

210374

## Ordinance Fact Sheet

## Construction/Misc. Form

<u>Brief Title</u>	<u>Approval Deadline</u>	<u>Reason</u>
Authorizing a Construction contract for the Secondary		Authorizing execution of a Construction contract and expenditures;
Switchgear Improvements at the Water Treatment Plant;		authorizing execution of a Design Professional Services Amendment.
and authorizing a Design Professional Services Amendment		
No. 1 to Contract No. 9489 for the Secondary Electrical		
Switchgear Improvements at the Water Treatment Plant.		

**Details**

**Reason for Contract**

The existing 2.4 KV electrical switchgear installed at Kansas City's Water Treatment Plant and Chemical Building is unreliable and difficult to maintain. The construction project will address these issues to increase reliability and capacity.

The proposed design professional services amendment will authorize funds for construction phase services and resident project representative services for this project, located at the Water Treatment Plant, 1 N.W. Briarcliff Road, Clay County, Kansas City, Missouri.

**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 work currently under construction.

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.

**Design Professional Services Contract Summary/Description**

City Council approved Ordinance No. 190333 on May 2, 2019 approving a maximum expenditure of \$1,430,850.00 with HDR Engineering, Inc. for the Secondary Electrical Improvements at the Water Treatment Plant project.

The scope of services on this design professional services project includes the following:

- 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

**Roles and Responsibilities**

Sponsor	Water Services Department
Department or Programs Affected	Water Services Department
Recommended Awardee	Enerfab Power & Industrial, Inc. / HDR Engineering, Inc.
Contract Compliance Certification Obtained?	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes
Opponents	Groups or Individuals  None known  Reason for Opposition
Responsibilities	Design Engineering: HDR Engineering, Inc.  Inspections: City staff / HDR Engineering, Inc.  Construction or Project Management: City staff / HDR Engineering, Inc.  Service Monitoring: City Staff

**Policy/Program Impact**

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

*(Continued on reverse side)*

## Details

This proposed \$1,140,766.00 Amendment No. 1 is for construction phase services and resident phase services.

### **Contract + Proposed Amendment Cost Summary**

Original Contract:	\$1,430,850.00
<u>Proposed Amendment No. 1:</u>	<u>\$1,140,766.00</u>
Total:	\$2,571,616.00

### **Construction Contract Description**

The scope of services for this construction project includes the following:

- Phased replacement of the Secondary Pump Station medium voltage switchgear, associated feeders, controls, and HVAC improvements;
- Phased replacement of the Chemical Building medium voltage switchgear near the West substation, replacement of Unit Substation Nos. 4 and 5, associated feeders, controls, and installation of temporary transformers and associated cables, cable trays, conduits, and supports by the Chemical Feed Building; and
- Site restoration including earthwork, drainage, paving, fencing, gates, and concrete as detailed in the drawings. This work involves the demolition and construction of 2,400-volt Secondary Pump Station Switchgear and Chemical Building Switchgear. A new outdoor Chemical Building Substation will be installed with associated works.

The amount of this construction contract is \$8,829,618.38.

**Details**

**Construction Contract Solicitation**

This Project was advertised in accordance with the City's requirements. Public bids were opened on February 2, 2021 with four bidders responding.

**Grant/Loan Funding**

N/A

**Human Relations Approval**

The Fairness in Construction Board approved project subcontracting goals of 3% MBE and 3% WBE. Subcontracting information was submitted to the Human Relations Department for review on March 3, 2021, and was approved on March 12, 2021 with 3% MBE and 3% WBE participation. See the attached docket memo.

Original goals on the Design Professional Services contract were 10% MBE and 6% WBE. The Contractor Utilization Plan was approved on April 30, 2019 with 27% MBE and 6% WBE participation.

A Request for Modification was approved by the Human Relations Department for Design Professional Services Contract No. 9489 on March 31, 2021 amending the project participation from 27% MBE and 6% WBE to 23% MBE and 6% WBE.

**Fairness in Construction Board**

There is no appeal on this contract pending before the Fairness in Construction Board.

**Youth Employment Program**

N/A

**1% for Art**

N/A

**Bid Opening Date:** 2/2/2021

**Notice of Intent to Contract:** TBA

**Is it good for the children?** Yes.

**How will this 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.

**Finances**

City's Estimate of Costs	\$	10,200,000.00
Bid or Proposal Data	Lowest and Best Contract Costs Submitted	\$ 8,829,618.38
	Recommended Awardee: Enerfab Power & Industrial, Inc.	
Bid Date:	2/2/2021	No. of Bids Submitted: 4
	Reason for rejecting lowest contract cost submitted: N/A	
	Other Bidders or Contractors Considered	Contract Costs Submitted
	Mark One Electric Co.	\$ 9,646,198.91
	Wachter, Inc.	\$ 10,702,183.91
	Capital Electric Const	\$ 11,109,925.00
		\$
		\$
Fund Sources and Appropriation Account Codes For These Contracts	AL-8077-807773-611060-80002134-\$9,712,580.22 AL-8077-807773-611040-80002134-\$1,140,766.00	
Source of Future Operating Funds	Water Revenue Bond Series2020A	
Proposed Construction Contract	\$	8,829,618.38
Construction Contingency	\$	883,000.00
Proposed DPS Amendment 1	\$	1,140,766.00
Engineering & Administration	\$	
<b>TOTAL</b>	<b>\$</b>	<b>10,853,384.38</b>

**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

**Estimated Duration of Contract:** 854 calendar days (Construction);  
1,520 calendar days (Design Professional Services)

**Fact Sheet Prepared by:** Leona Walton  
Contracts Manager  
**Date:** 4/15/2021

**Reviewed by:** D. Matt Bond  
Deputy Director  
**Date:** 4/16/2021

**Reference Numbers:** Contract No. 9569/Project No. 80002134 (Construction) /  
Contract No. 9489 Amendment No. 1/Project No. 80002134 (Design Professional Services)