



# City of Kansas City, Missouri

## Docket Memo

Ordinance/Resolution # TMP-2744

Submitted Department/Preparer: Water Services

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 \$7,170,000.00 construction contract with Haines & Associates Construction Company, Inc., for the Water Main Replacement in the Area of N.W. 128<sup>th</sup> Street to N.E. 46<sup>th</sup> Street, N. Amity Avenue to N.E. Cookingham Drive project; and authorizing a maximum expenditure of \$7,887,000.00.

### Discussion

#### Project Justification

The Water Services Department is undertaking this construction project to improve distribution system reliability, increase hydraulic conveyance capacity, and support fire protection to replace aging, break-prone cast iron pipe (CIP) and polyvinyl chloride (PVC) water mains with ductile iron pipe (DIP).

#### Project Description

The project, which was designed by Olsson Associates, includes the replacement of approximately 19,650 linear feet (LF) (3.7 miles) of 2-inch, 6-inch, 8-inch & 12-inch break-prone or obsolete water mains and appurtenances and provide other distribution system improvements in the area of N.E. 128<sup>th</sup> Street to N.E. 46<sup>th</sup> Street, N. Amity Avenue to N.E. Cookingham Drive, in Kansas City, Clay and Platte Counties, Missouri. The project will replace the water mains in the following areas:

- Area #1
  - N.W. 123rd Terrace between N.W. Skyview Avenue and dead end near 6133 N.W. 123<sup>rd</sup> Terrace – Replace 8-inch CIP water main with 8-inch DIP a length of approximately 938 feet.
  - N.W. Skyview Avenue between N.W. 123rd Terrace and N.W. Cookingham Drive – Replace 12-inch CIP water main with 12-inch DIP, a length of approximately 2,388 feet.



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- N.W. Cookingham Drive between N.W. Skyview Avenue and dead end near 6400 N.W. Cookingham Drive – Replace 6-inch CIP water main with 8-inch DIP, a length of approximately 1,248 feet.
- N.W. Cookingham Drive between N.W. Skyview Avenue and dead end near 5805 N.W. Cookingham Drive – Replace 8-inch CIP water main with 8-inch DIP, a length of approximately 601 feet.
- Area #2
  - N.W. 97th Terrace between N. Pomona Avenue and N. Congress Avenue - Replace 12-inch CIP water main with 12-inch DIP, a length of approximately 1,071 feet.
  - N. Congress Avenue between N.W. 97th Terrace and the southeast connection to existing 16-inch DIP main – Replace 16-inch PCCP water main with 16-inch DIP, a length of approximately 89 feet.
- Area #3
  - N.W. Belvidere Pkwy between N.W. Winter Avenue and N. Avalon Street – Replace 8-inch CIP water main with 8-inch DIP, a length of approximately 800 feet.
- Area #4
  - N.W. 65th Terrace between N. Genessee Street and N. Liberty Street – Replace 8-inch CIP water main with 8-inch DIP, a length of approximately 426 feet.
  - N. Genessee Street between N.W. 64th Terrace and N.W. 65th Terrace – Replace 8-inch CIP water main with 8-inch DIP, a length of approximately 615 feet.
  - Branch off of Genessee Street to the dead end near 1589 N.W. 65th Terrace – Replace 6- inch CIP water main with 8-inch DIP, a length of approximately 249 feet.
  - Branch off of Genessee Street to the dead end near 6507 N.W. 65th Terrace – Replace 6- inch CIP water main with 8-inch DIP, a length of approximately 165 feet.
  - N.W. 64th Terrace between N. Genessee Street and N. Holly Street – Replace 8-inch CIP water main with 8-inch DIP, a length of approximately 1,627 feet.
  - N. Hickory Street between N.W. 64th Terrace and N. Mulberry Drive – Replace 6-inch CIP water main with 8-inch DIP, a length of approximately 440 feet.
  - N. Mulberry Drive between N.W. 64th Terrace and N. Hickory Street – Replace 6-inch CIP water main with 8-inch DIP, a length of approximately 598 feet.
- Area #5
  - N. Delta Avenue between N.W. 53rd Street and N.W. 53rd Terrace – Replace 12-inch CIP water main with 12-inch DIP, a length of approximately 625 feet.



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- N. Delta Avenue between N.W. 53rd Terrace and north dead end near 5405 N. Delta Avenue – Replace 6-inch PVC water main with 8-inch DIP, a length of approximately 745 feet.
- Area #6
  - N. Circle Drive between N. Oak Trafficway and N Lindberg Drive – Replace 6-inch CIP, 2- inch CIP, and 1-inch steel water mains with 8-inch DIP, a length of approximately 1,370 feet.
  - Maple Drive between N. Circle Drive and existing 6-inch DIP connection near 613 N.E. Maple Drive – Replace 6-inch CIP and 2-inch CIP water mains with 8-inch DIP, a length of approximately 435 feet.
- Area #7
  - N. Flora Avenue between N.E. Englewood Road and N.E. 53rd Street – Replace 8-inch CIP water main with 8-inch DIP, a length of approximately 1,585 feet.
- Area #9
  - N. Drury Avenue between N.E. 59th Street and N.E. 57th Terrace – Replace 6-inch CIP water main with 8-inch DIP, a length of approximately 845 feet.
- Area #10
  - N.E. 56th Street between N. Potter Ave and N.E. San Rafael Drive – Replace 8-inch CIP water main with 8-inch DIP, a length of approximately 965 feet.
  - N.E. San Rafael Drive between the north N.E. 56th Street intersection and the south N.E. 56th Street intersection – Replace 12-inch CIP water main with 12-inch DIP, a length of approximately 355 feet.

This work will include the transfer of customers' water service connections from existing mains to new mains, as well as restoration of roads and properties. The amount of this contract is \$7,887,000.00.

The term of this project will be 420 days.

### Solicitation

This Project was advertised in accordance with the City's requirements. Public bids were opened on January 10, 2023 with 6 bidders responding.

### Awardee/Subcontracting Participation

Haines & Associates Construction Company, Inc. was selected as the lowest and most responsive bidder with a base bid of \$7,170,000.00, with subcontracting participation of 14.4% MBE and 10.9% WBE.



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### Other Bidders/Subcontracting Participation

Other bidders included:

Leath & Sons, Inc. submitted a bid on this project in the amount of \$7,495,023.00 with 11% MBE & 11% WBE participation.

Rodriguez Mechanical Contractors submitted a bid on this project in the amount of \$7,704,100.00. They did not submit any 48-hour M/WBE paperwork so their bid is considered non-responsive.

Hettinger Excavating, LLC submitted a bid on this project in the amount of \$8,023,250.00. They did not submit any 48-hour M/WBE paperwork so their bid is considered non-responsive.

Infrastructure Solutions, LLC submitted a bid on this project in the amount of \$8,173,086.00. They did not submit any 48-hour M/WBE paperwork so their bid is considered non-responsive.

Kissick Construction Company, Inc. submitted a bid on this project in the amount of \$9,380,751.00. They did not submit any 48-hour M/WBE paperwork so their bid is considered non-responsive.

### Estimated Opinion of Probable Construction Costs

The estimated opinion of probable construction costs on this project is \$8,174,806.00.

### **Fiscal Impact**

1. Is this legislation included in the adopted budget?  Yes  No

2. What is the funding source?

AL-8079-807705-B-80002276, Water Main Replacement Program

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 fiscal impact in future fiscal years? Please notate the difference between one-time and recurring costs.

The annual Operations and Maintenance costs of \$5,000 is anticipated for the 100 year life span of these assets.



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5. Does the legislation generate revenue, leverage outside funding, or deliver a return on investment?

No.

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### 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

### Additional Discussion (if needed)

Click or tap here to enter text.

### Citywide Business Plan (CWBP) Impact

View the [FY23 Citywide Business Plan](#)

Which CWBP goal is most impacted by this legislation?

Infrastructure and Accessibility (Press tab after selecting.)

Which objectives are impacted by this legislation (select all that apply):

- Enhance the City's connectivity, resiliency, and equity through a safe, efficient, convenient, inclusive, accessible, sustainable and better connected multi-modal transportation system
- Develop environmentally sound and sustainable infrastructure strategies that improve quality of life and foster economic growth
- Increase and support local workforce development and minority, women, and locally-owned businesses
- Engage in efforts to strategically invest in the City's infrastructure and explore emerging technologies
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### Prior Legislation

N/A.

### Service Level Impacts

This project will contribute to service level impacts by replacing aging, break-prone water mains with new water mains, thereby improving distribution system reliability, increasing hydraulic conveyance capacity, and supporting fire protection.

### Other Impacts

1. What will be the potential health impacts to any affected groups?

Work on this project will contribute to health impacts by supplying healthy and safe drinking water to citizens and supporting fire protection when needed.

2. How have those groups been engaged and involved in the development of this ordinance?

#### **The following proactive public engagements methods will be used on this project:**

- Public information sheet will be posted to KC Water's website,
- Public meeting will be held virtually,
- Contractor and project manager information will be distributed during the project, and
- Contractors will notify customers prior to traffic disruption and brief water outages.

3. How does this legislation contribute to a sustainable Kansas City?

This project will contribute to a sustainable Kansas City by replacing aging, break-prone water mains with new water mains, thereby improving distribution system reliability, increasing hydraulic conveyance capacity, and supporting fire protection.

4. Does the ordinance/resolution include Civil Rights antidiscrimination requirements in compliance with the Code of Ordinances (Chapter 38, titled "Civil Rights")?

Yes. The advertised M/WBE goals for this project were established as outlined in the CREO Annual Goals Manual for FY23 for a construction project, which were established at 11% MBE and 11% WBE.

There are also Affirmative Action Program requirements in this contract.

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5. Has the ordinance/resolution been submitted for review of economic equity & inclusion requirements in compliance with the Code of Ordinances (Chapter 3, titled "Contracts and Leases")?

Yes. The Contractor Utilization Plan was submitted to CREO KC for review on January 30, 2023.