



City of Kansas City, Missouri

Docket Memo

Ordinance/Resolution #: 260490

Submitted Department/Preparer: Water

Revised 01/30/25

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 the Director of Water Services to execute a \$339,893.00 professional, specialized or technical services contract with McClure Engineering Co., for the 2026 Flood Warning System Maintenance project; authorizing five successive renewal options with further City Council approval; and recognizing this ordinance as having an accelerated effective date.

Discussion

Project Justification

This professional, specialized or technical services contract operates, maintains, calibrates, repairs, and improves any and all aspects of the City's ALERT flood warning system.

The system relies on a network of 74 City and partner sites (stations), to inform on the travel, risk, and impacts of floodwaters on metropolitan streams and regional and bi-state rivers. These stations are located in Kansas City, Jackson, Platte and Clay Counties, Missouri and in Wyandotte and Johnson Counties, Kansas.

This system collects real time data for rainfall accumulation, rain intensity, stream stage and water surface elevations (adding) along with weather instrumentation.

Project Description

The operations and maintenance of these stations includes: 1) scheduled (i.e. preventive) maintenance, 2) reliability centered (i.e. data driven) maintenance, 3) unscheduled maintenance (including emergency repairs), and maintenance of additional equipment. The contractor shall furnish all labor, equipment (except as stated in the contract), materials, transportation, and supervision required to perform the work specified in this contract.

4. Does the legislation have a fiscal impact in future fiscal years? Please notate the difference between one-time and recurring costs.
Funds encumbered in the current fiscal year will be disbursed over Fiscal Year 27. Work on the project is anticipated to be completed by 365 days from the Notice to Proceed date.

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)

Click or tap here to enter text.

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.
 - Develop a multimodal regional transportation system for all users.
 - Develop environmentally sustainable 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.
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Prior Legislation

N/A

Service Level Impacts

This work will allow the City to meet its current service level commitments. This system provides 15 minutes to 18 hours of lead time for various scales and severities of flood risks to our community.

Staff Recommendation

Water Services Department

Select One: Sponsored

Directive: Res/Ord # [Click to enter Res/Ord. No.](#)

Select One: Recommend

Do Not Recommend

Not Applicable

[Click or tap here to provide reasoning.](#)

Other Impacts

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

This system will help the City to warn, prevent, identify and inform, assist on health impacts from flooding before, during and after a flood occurs such as those of 2017. This system is crucial to (1) identifying where flood risk and damages have potentially occurred to assist in identification and Disaster Declaration needs of our Emergency Management Office, and forecasting when and where flood risks will be to direct response actions

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

Infrastructure Departments and the Emergency Manager's Office fully support this system. This system is working to include weather conditions sensors surface water sensors and water quality sensors to aid the City in forecasting flood risks, preparation for floods and post-flood response actions, and adding to the City's database for water quality in surface waterbodies.

3. How does this legislation contribute to a sustainable Kansas City?
Kansas City owns and operates a flood warning system containing 74 stations. All of these operate by solar power 24/7 providing critical information for rain conditions on site and downstream. In addition, the system has been upgraded to migrate from services equipped with an on-premise server to entirely cloud-based services, reducing the need for physical equipment.

Kansas City partners with the Unified Government of Kansas City, KS, Johnson County, KS, City of Overland Park, KS (25 sites/149 sensors), Metro METAR Sites (Airports), and USGS for a total in the metropolitan area of 207 sites with 475 sensors of in field data collected every day 24/7.

All data is shared and received by telemetry between all partners and all field sites are solar power based. Primary receiving/repeating facilities for data use live power, backup generators and UPS backup, while generators start, allowing all systems to safely operate sustainably. These systems are very efficient and low energy, long lasting, and resilient in the field.

4. Does this legislation create or preserve new housing units?
No (Press tab after selecting)

N/A

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)
Please provide reasoning why not:

CREO KC waived M/WBE goals on this project on February 20, 2026 due to the highly specialized nature and high visibility of this project's scope of services.

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

No(Press tab after selecting)

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

Yes (Press tab after selecting)

In an effort to prevent disclosure of confidential information, a separate communication will be provided to City Council members to reflect the top three proposers for the RFP/Q.