



City of Kansas City, Missouri

Docket Memo 230862

Ordinance/Resolution #: [Click or tap here to enter TMP-#.](#)

Submitted Department/Preparer: Water

Revised 8/3/23

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 \$610,000.00 facility repair and maintenance contract Amendment No. 6 to Contract No. 314 with McClure Engineering Company, for the Flood Warning System Maintenance Contract # 7 authorizing an extension of the term of Contract No. 314 for an additional 365 days for a total term of 3,134 days (approximately 8.5 years) for a total contract amount of \$1,977,464.83.

Discussion

Project Justification

This Facility Repair and Maintenance contract, operates, maintains, calibrates, repairs, and improves any and all aspects of the City's flood warning system. The system relies on a network of City and partner sites and sensors, to inform on the travel, risk, and impacts of floodwaters on metropolitan streams and regional and bi-state rivers.

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

Contract Summary/Project Description

The City entered into a \$300,364.83 contract with McClure Engineering Company (formerly known as Shafer, Kilne and Warren, Inc.) on March 30, 2016 for the Flood Warning System Maintenance Contract #7, with notice to proceed on April 5, 2016. The original term of the contract was 365 days.

The City executed a no cost Amendment No. 1 on March 28, 2017 to extend the term of the contract for an additional 1,460 days.

The City executed Amendment No. 2 on April 20, 2018 in the amount of \$240,000.00 to continue maintenance, operations, repair, improvements, testing, calibration and on-call support.

The City executed Amendment No. 3 on April 4, 2020 in the amount of \$289,000.00 to continue maintenance, operations, repair, improvements, testing, calibration and on-call support.

The City executed a no cost Amendment No. 3A on April 2, 2021 to continue maintenance, operations, repair, improvements, testing, calibration and on-call support.

City Council passed Ordinance No. 210150 on March 4, 2021 for a \$289,000.00 Amendment No. 4, which extended the term of the contract for an additional 579 days for a total of 2,404 calendar days (approximately 6 years 7 months) to continue maintenance, operations, repair, improvements, testing, calibration and on-call support. This amendment was executed on July 27, 2021.

City Council passed Ordinance No. 220252 on March 31, 2022 for a \$249,100.00 Amendment No. 5, which extended the term of the contract for an additional 365 days for a total of 2,769 calendar days (approximately 7 years 7 months) to continue funding for work scoped up to November 4, 2023 for maintenance, operations, repairs and improvements as allowed for flood warning systems, sites and sensors. This amendment was executed on May 12, 2022.

This proposed \$610,000.00 Amendment No. 6 will be for the following reasons:

- Additional services via this contract's subcontractors are needed to complete setup of the new ALERT2 Telemetry Network. The final ALERT2 telemetry setup must have all configuration files and receiving equipment for 4 antenna frequencies for the new ALERT2 system through High Sierra Electronics and Onerain Inc. subcontractors to this contract.
- An additional 365 days needs to be added to the contract's term to complete and assure proper system Operations and Maintenance.

Reason for Legislation

Pursuant to Code of Ordinance Section 3-41(a)(1), the city manager and department directors may enter into construction/facility repair and maintenance contracts in which the term does not exceed 6 years and does not exceed \$1,000,000.00.

Pursuant to Code of Ordinance Section 3-43, no contract shall be let or amended to exceed a maximum of 6 years without authorization of the City Council.

This proposed ordinance is needed to amend the Flood Warning System Maintenance Contract # 7 for an additional \$610,000.00 to continue maintenance, operations, repair improvements, testing, calibration, and on-call support as well as extend the term an additional 365 days to the contract for a total term of 3,134 days (approximately 8.5 years).

Contract Cost Summary / Term

Original Contract:	\$300,364.83 / 365 days
Amendment No. 1:	\$0.00 / 1,460 days
Amendment No. 2:	\$240,000.00 / 0 days
Amendment No. 3:	\$289,000.00 / 0 days
Amendment No. 3A:	\$0.00/ 0 days
Amendment No. 4:	\$289,000.00 / 579 days
Amendment No. 5:	\$249,100.00 / 365 days

Proposed Amendment No. 6: \$610,000.00 / 365 days
Total: \$1,977,464.83 / 3,134 days

Fiscal Impact

1. Is this legislation included in the adopted budget? Yes No
2. What is the funding source?
24-8200-802331-619060-60820007 = \$310,000.00
24-2320-802331-619060-60820007 = \$300,000.00 (Public Safety Funding)
Stormwater Flood Monitoring
3. How does the legislation affect the current fiscal year?
This Ordinance is supported by the Fiscal Year 24 Water Services Annual CIP.
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?
Reduced costs are generated by partnership on 2 gauges owned by Birmingham Levee district. These 2 sites are owned and required for levee certification for Birmingham Levee District and KCMO takes care of the O&M for them. This has evolved into a method where Birmingham Levee District provides the needed inventories for equipment, sensors, etc. for replacement and KMCO continues to do the operations and maintenance for them to assure they comply and can best protect their levee district's public.

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 [FY23 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):
 - Enhance the 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

City Council passed Ordinance No. 210150 passed on March 4, 2021, authorizing a \$289,000.00 Facility Repair and Maintenance Contract Amendment No. 4 with McClure Engineering Company, for the Flood Warning System Maintenance Contract # 7 project, and a 579 day time extension bringing the contract to a total of 2,404 days (approximately 6 years 7 months) for a total contract amount of \$1,118,364.83.

City Council passed Ordinance No. 220252 passed on March 31, 2022, authorizing a \$249,100.00 Facility Repair and Maintenance Contract Amendment No. 5 with McClure Engineering Company, for the Flood Warning System Maintenance Contract # 7 project, and a 365 day time extension bringing the contract to a total of 2,769 days (approximately 7 years 7 months) for a total contract amount of \$1,367,464.83.

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.

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 identifying where flood risk and damages have potentially occurred to assist in identification and Disaster Declaration needs of our Emergency Management Office.

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: road conditions sensors, snow depth sensors, soil moisture and other soil conditions sensors, water quality sensor to aid the City in identifying sources of salinity.

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

Kansas City owns and operates a flood warning system containing 67 sites with 277 sensors. All of these operate by solar power 24/7 providing critical information for rain conditions on site and downstream. Kansas City partners with the Unified Government of Kansas City, KS (8 sites/24 sensors), Johnson County, KS (63 sites/375 sensors), City of Overland Park, KS (25 sites/149 sensors), Metro METAR Sites (Airports) (6 sites/36 sensors), USGS (26 sites/97 sensors) for a total in the metropolitan area of 128 sites with 681 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. Department staff certifies the submission of any applicable Affirmative Action Plans or Certificates of Compliance, Contractor Utilization Plans (CUPs), Non-Discrimination documents, and Letters of Intent to Subcontract (LOIs) to CREO prior to the legislation entry request in Legistar.

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

Please provide reasoning why not:

The Human Relations Department (now known as CREO KC) approved project specific Goals of 0% MBE and 0% WBE goals.

This contract does have Affirmative Action Program requirements in it.

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

No(Press tab after selecting)

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

No(Press tab after selecting)