

**CITY OF JOPLIN
COUNCIL AGENDA ITEM**

ITEM

Council Bill 2023-148; Work Authorization with Burns & McDonnell for professional engineering services for the 2023 Hydraulic Model Update and Flow Metering Project.

MEETING DATE

September 5th, 2023

ORIGINATING DEPT

Public Works-Engineering

ATTACHMENTS

Council Bill 2023-148; Work Authorization; Exhibit Map

REVIEWED BY

Director of Public Works, Daniel Johnson; Finance Director, Leslie Haase; City Attorney, Peter Edwards; Assistant City Manager, Tony Robyn; City Manager, Nicholas Edwards

SUMMARY

This Council Bill authorizes the City Manager or his designee to approve a work authorization with Burns & McDonnell in the not to exceed amount of One Hundred Eighty Five Thousand Four Hundred Seventy Six and 00/100 Dollars (\$185,476.00) for professional engineering services for the Hydraulic Model Update and Flow Metering Project.

BACKGROUND

After several years of re-construction work, City staff saw the need to for a minor update to the hydraulic model of the City's sanitary sewer system, by performing small-scale flow metering within three basins. The basins are shown on the Exhibit Map; the meters in the Royal Heights/Baker's Branch basin will be used to measure the impact of public rehabilitation efforts; the meters in the area of the Joplin Creek Interceptor project area will be used to update the model after completion last year of the project; and, lastly, the meters near Duenweg will be used to better understand the flows contributed by that community, which will assist with improved sewer billing for wastewater. All this data will assist with running some "what-if" scenarios pertaining to the current ARPA Wastewater project, in which some trunkline pipes are planned for replacement with larger diameter pipes. The update to the model will assist with choosing the most cost-effective pipe sizes. At the conclusion of Burns and McDonnell's work, a technical report will be submitted to the city with their findings.

FUNDING SOURCE

Sanitary Sewer Fund

RECOMMENDATION

Staff recommends approval of this Council Bill on an emergency basis, in that said ordinance provides for public improvements and is an emergency per section 2.12 (6) of the HOME RULE CHARTER of The City of Joplin, Missouri, and as such, this ordinance shall become effective immediately upon its passage. Specifically, approval of this council bill as an emergency, will allow for meters to be installed prior to the beginning of the fall rains.