CITY OF JOPLIN
COUNCIL AGENDA ITEM

ITEM
Council Bill 2020-121
Work Authorization for the 44th and Virginia Lift Station Improvements Project

MEETING DATE
March 16, 2020

ORIGINATING DEPT
Public Works

ATTACHMENTS
Exhibit Map; CB 2020-121 Ordinance; Work Authorization AMA-OC20-007

REVIEWED BY
Director of Public Works – David Hertzberg, Director of Finance – Leslie Haase, City Attorney – Peter C. Edwards, Interim City Manager – Dan Pekarek

SUMMARY
This Council Bill approves a work authorization with Allgeier, Martin and Associates, Inc. (AMA), for the 44th and Virginia Lift Station Improvements Project in the not to exceed amount of Thirty-Nine Thousand and No/100 Dollars ($39,000.00)

BACKGROUND
The 44th and Virginia lift station is one of the older pump stations within the city's system, built in 1961. The 2020 Wastewater Facilities Plan, developed by AMA, identified the need to upgrade the lift station's pumping capacities. The two pumps are incapable of meeting current peak pumping capacity needs, and the design of the wet wells leads to damage to the pump impellers, further reducing pumping capacity. This work authorization directs AMA to design improvements aimed at addressing needed pumping capacities, wet weather storage volumes, and safety concerns within the 2-story structure. The lift station renovation is planned to follow shortly after the old force main replacement work currently being done by D&E Plumbing. Additionally, City staff plan to address concerns within the gravity basin that flows to the lift station (see the attached Exhibit Map for reference). Further compounding the decreased pump efficiencies is the tendency for them to be clogged by wipes and rocks. These inappropriate materials in the sanitary sewers require City maintenance staff to devote a disproportionate amount of time and energy at this lift station. Routine maintenance occurs once per month for minor lift stations. Due to the clogging tendencies at this lift station, staff must perform these functions twice per week. Elimination of this lift station is not feasible due to factors such as elevations and distance to nearest gravity system south of I-44.

AMA was selected as the most qualified on-call consultant because of their familiarity with this lift station, as indicated within the 2020 Wastewater Facilities Plan. The consultant's fees are within industry standards for design and bidding. Public Works intends to provide construction inspection and administration.

FUNDING SOURCE

These payments are included in the FY 2019-2020 budget of the Wastewater fund.

RECOMMENDATION

Staff recommends adoption of this Council Bill, approving a work authorization on an Emergency basis due to safety and public health concerns associated with the lift station and its performance; furthermore, being an ordinance relating to a public improvement, it is an emergency within the meaning of Section 2.12(6) of the HOME RULE CHARTER of the City of Joplin, Missouri and the Council hereby declares that this ordinance shall be in full force and effect from and after its passage.