

**CITY OF JOPLIN
COUNCIL AGENDA ITEM**

ITEM

Council Bill 2019-153

Work Authorization with Burns & McDonnell Engineering Company, Inc. for the Tin Cup Parallel Force Main project

MEETING DATE

October 7, 2019

ORIGINATING DEPT

Public Works - Engineering

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 Burns and McDonnell Engineering Company, Inc. for the Tin Cup Parallel Force Main project in the not to exceed amount of Five Hundred Thirty-Eight Thousand Nine Hundred Forty-Five and no/100 Dollars (\$538,945.00).

BACKGROUND

Burns & McDonnell Engineering Company, Inc. (BMC) was chosen in 2016 through a qualifications-based selection process to provide consulting services regarding the 2.5-mile force main serving both the Tin Cup and Filmore Bridge lift stations. The first Work Authorization (WA), approved by Council on December 5, 2016, authorized BMC to study the effect of both lift stations pumping through the same force main during major storm events, using flow monitoring data. Their analysis underscored the necessity for a parallel line between the Filmore Bridge lift station and the gravity system. The second WA was to design that parallel force main, now ready for construction.

This third WA authorizes BMC and their subconsultants to provide consulting services for the parallel force main between the Tin Cup and Filmore Bridge lift stations. The benefits to the City for this project will be the redundancy provided for the City's most important force main; the ability to pump through both force mains during heavy rains; and the ability to perform a thorough condition assessment of the existing force main, which has been in service since 1988. The WA also includes fees for designing an aerial crossing over Shoal Creek, which could potentially facilitate the abandonment of three lift stations NW of the crossing. Easement acquisition services are also included in this WA (land acquisition management by BMC; field staking and easement descriptions by Allgeier, Martin and Associates). The fees for this project are within industry standards. Construction inspection will be performed by City staff. The work authorization is within industry standards

FUNDING SOURCE

The Wastewater Treatment fund.

RECOMMENDATION

Staff recommends approval of this Council Bill on an Emergency basis; being an ordinance relating to a public improvement 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.

ATTACHMENTS

CB2019-153 Ordinance; Work Authorization; Map