City of JOPLIN **City Council Agenda Item**

Requested Council Meeting Date: January 2, 2018

Council Bill No. 2018-100

Item: Work Authorization with Burns & McDonnell Engineering Inc., for Engineering Services Associated with the Design, Bidding and Pre-construction Management for the Installation of a Parallel Force Main from Filmore Bridge Lift Station to the Gravity line along Apricot road.

Originating Department: Public Works – Operations

Attachments: 1) Work Authorization (BMC-OC-18-001)
2) Council Bill No. 2018-100
3) Location Map
4) Exhibit A

Department Head:	David Hertzberg
Finance Department:	Leslie Haase
City Attorney:	Peter C. Edwards
City Manager:	Samuel L. Anselm

Recommended Action: Approval of a Work Authorization with Burns & McDonnell Engineering Inc. in the not to exceed amount of $194,170.00 for engineering design, bidding and pre-construction management services associated with the installation of a Parallel Force Main from Filmore Bridge Lift Station to the gravity line along Apricot road.

Background: The Parallel Force Main line from Tin Cup Lift Station to Filmore Bridge Lift Station was built and put into service in 1988. This Force Main from Filmore Bridge to the Gravity line is approximately 3,950 feet long and carries between 3 -5 million gallons of sewage a day and transports in excess of 9 millions of gallons a day during a major rain event. The Tin Cup Lift Station feeds into this force main that travels a mile and a half to the gravity on Apricot road. The Filmore Bridge Lift Station is attached onto this Force Main as well.

Burns & McDonnell Engineering Inc. were selected using a RFQ to assess the Force Main Sewer line from Tin Cup Lift Station all the way to the gravity line along Apricot road. The work Authorization was BMC-OA-001 approved by Council December 5, 2016. Preliminary data obtained from their flow monitoring study was instrumental in providing further information for the amount of flow, sizing of the pumps for both of the lift stations and the necessity for a

parallel line to mitigate sanitary sewer overflows that are against the City of Joplin's NPDES permit.

Discussion: The firm of Burns & McDonnell Engineering Inc. has been selected to provide the professional engineering services needed to accomplish this installation of an additional Force Main sewer line for this project. The scope of work will include the preparation of design and bidding documents that will provide for the emplacement of the additional force main and will include pre-construction services needed for the installation of the force main. This work will be funded from the Sanitary Sewer Fund project that was approved in the FY 2017-2018 Budget.

Recommendation: City staff recommends approval of Work Authorization with Burns & McDonnell Engineering Inc. for the not to exceed amount of $194,170.00 for engineering services associated with Engineering Design, Bidding and Pre-construction Management Services for the installation of a parallel force main sewer line from Filmore Bridge Lift Station to the gravity line along Apricot road be approved on an emergency basis per Section 2.12 (6) of the Joplin City Charter.