City of **JOPLIN** City Council Agenda Item

**Requested Council Meeting Date: December 05, 2016**
**Council Bill No. 2016-161**

## Item: Agreement with Burns & McDonnell Engineering Co, Inc., for Professional Engineering Consulting Services for the Operational Assessment of the Filmore Bridge & Tin Cup Lift Stations.

## Originating Department: Public Works – Engineering

Attachments: 1) Agreement with Consultant
2) Work Authorization No. BMC-OA-001
3) Council Bill No. 2016-161

Department Head: Nicholas A. Heatherly
Finance Department: Leslie Haase
City Attorney: Peter C. Edwards
City Manager: Samuel L. Anselm

**Recommended Action:** Approval of an Agreement with Burns & McDonnell Engineering Co, Inc. in the not to exceed amount of $151,400.00 for Professional Engineering Consulting Services for the Operational Assessment of the Filmore Bridge & Tin Cup Lift Stations.

**Background:** In April of 2016, a Request for Qualification Statements was advertised in accordance with the City's procurement policy for the purpose of providing engineering design services for the addition of a parallel force main to serve the Filmore Bridge Lift Station. In June, a request for supplemental information was requested from those firms that had submitted qualification statements on May 12th. The supplemental request expanded the scope of work to include a more comprehensive analysis of design alternatives related to the future operation of the Filmore and Tin Cup Lift Stations.

Of the five firms that responded, Burns and McDonnell Engineering Co, Inc. was selected to provide professional engineering services for this project, using the qualifications based selection method, as required by state statute.

**Discussion:** These two lift stations serve as the headworks to the Shoal Creek Wastewater Treatment Plant (WWTP) and have been in service for 30-years. A 13,000-foot-long force main connects the Tin Cup lift station (south of Freeman hospital) and the Filmore Bridge lift station to a 42-inch diameter gravity line that flows into the Shoal Creek Wastewater Treatment Plant. Over the past 30 years, the flows through the lift stations have increased and it is time to plan for the future by examining alternatives to ensure we continue to provide reliable and ample wastewater capacity to meet future demands. Staff envisions that several Work Authorizations will be needed to thoroughly analyze this portion of the wastewater system. In this first Work Authorization, Burns and McDonnell will perform an operational assessment of the two lift stations. The work includes determining the impact of wet weather flows on the lift stations' pumping capacities. The project will be entirely funded out of the City's annual sanitary sewer maintenance funds.

**Recommendation:** City staff recommends that approval of an Agreement with Burns & McDonnell Engineering Co, Inc. for the not to exceed amount of $151,400.00 for Professional Engineering Consulting Services for the Operational Assessment of the Filmore Bridge & Tin Cup Lift Stations be approved on an emergency basis per Section 2.12 (6) of the Joplin City Charter.