City of **JOPLIN** City Council Agenda Item

Requested Council Meeting Date: December 18, 2017
Council Bill No. 2017-169

Item: Work Authorization with Allgeier-Martin & Associates Inc., for Engineering Services Associated with the Design, Bidding and Construction Management for the Rehabilitation Project at the Tin Cup Lift Station.

Originating Department: Public Works – Operations

Attachments: 1) Work Authorization (AMA-OC-005)
2) Council Bill No. 2017-169
3) Location Map

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 Allgeier, Martin & Associates Inc. in the not to exceed amount of $240,032.00 for engineering design, bidding and construction management services associated with the rehabilitation project of the Tin Cup lift Station.

Background: The Tin Cup Lift Station was built and put into service in 1988 and has three dry weather pumps that are 40hp each and also has two wet-weather pumps that are 100hp each. This is the largest Lift Station that the City of Joplin owns and has an estimated 3.3 mgd (million gallons a day) 2300 gallons a minute and receives in excess of 9 mgd during a major rain event. The Tin Cup Lift Station feeds into a force main that travels a mile and a half to the gravity on Apricot road. This Lift station has lost 10-15 percent of its efficiency over the years and there is a grit chamber that is inoperable and a spiral staircase that has rusted and needs to be replaced. Currently, crews use the spiral staircase to retrieve rags and trash off the bar screen and carry them up three flights of stairs to throw away. Preliminary data obtained from the flow monitoring study was instrumental in providing further information for the sizing of the pumps at the lift station.

Discussion: The firm of Allgeier-Martin & Associates has been selected to provide the professional engineering services needed to accomplish this replacement and maintenance project. The scope of work will include the preparation of design and bidding documents that

will provide for the rehabilitation of the Tin Cup Lift Station and will include replacement of much of the equipment such as pumps, renovate the grit chamber, replace the spiral staircase and install a bar screen. 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 Allgeier Martin & Associates Inc. for the not to exceed amount of $240,032.00 for engineering services associated with Engineering Design, Bidding and Construction Management Services for the rehabilitation of the Tin Cup Lift Station be approved on an emergency basis per Section 2.12 (6) of the Joplin City Charter.