City of JOPLIN **City Council Agenda Item**

Requested Council Meeting Date: April 16, 2018

Council Bill No. 2018-113

Item: Work Authorization with Olsson Associates, for Engineering Services Associated with the Design and Bidding Phase I Management for the Rehabilitation of the Twin Equalization Basins located near Tin Cup Lift Station.

Originating Department: Public Works – Operations

Attachments: 1) Council Bill No. 2018-113
2) Exhibit "A" - Work Authorization (Olsson-WW-Tin Cup Eq-1)
3) Location Map
4) Timeline

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 Olsson Associates not to exceed the amount of $66,000.00 for engineering design and bidding management services associated with the Rehabilitation Phase I of the Twin Equalization Basins located near Tin Cup Lift Station.

Background: When the Shoal Creek Plant was relocated in 1987 to its current location, it already had one equalization basin, a second was added at that time for additional storage capacity. For the past 30 years this equalization basin has been used for sewage water retention. The Tin Cup lift station receives between 3 -5 million gallons of sewage a day and transports in excess of 9 million gallons a day during a major rain event. Because of this location, this equalization basin is advantageous in the detention of sewage so that the lift station is not overwhelmed during peak flow times. The equalization basins have not been dredged since the second one was built in the late 1980's, there are mechanical issues with the sluice gates and pumps.

Discussion: The firm of Olsson Associates was selected using the on-call Engineering list for sanitary sewers to provide the professional engineering services needed to accomplish this Rehabilitation of the Twin Equalization Basins for this project. The Phase I Scope of work will

include the preparation, design and bidding documents for, replacement of the sluice gates with provisions and estimates for automation. Olsson will also provide a conceptualized plan for the dredging or removal of sludge in the basins and will study the operating equipment and make recommendations for effective improvements for efficient management of wet weather flows utilizing this basin in a future Phase of this project. Construction Management will be done by the City of Joplin Engineering staff. 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 Olsson Associates for the not to exceed amount of $66,000.00 for engineering services associated with Engineering Design and Bidding Management Services for the Phase I Rehabilitation of the Twin Equalization Basins located near Tin Cup Lift Station be approved on an emergency basis per Section 2.12 (6) of the Joplin City Charter.