

CITY OF JOPLIN COUNCIL AGENDA ITEM

ITEM

Council Bill 2022-149

Construction Agreement between the City of Joplin and McClanahan Construction Co., Inc.

MEETING DATE

Oct 3, 2022

ORIGINATING DEPT

Public Works- Engineering

ATTACHMENTS

CB 2022-149 Ordinance; Agreement between the City of Joplin and McClanahan Construction Co., Inc.; Bid Summary.

REVIEWED BY

Interim Director of Public Works – Daniel Johnson, Director of Finance – Leslie Haase, City Attorney – Peter C. Edwards, City Manager – Nicholas Edwards

SUMMARY

This Council Bill approves a construction agreement with McClanahan Construction Co Inc., for the construction of the Turkey Creek Wastewater Treatment Facility (WWTF) Intermediate Screw Pump Replacement 2022 in the amount of One Million, Two Hundred Thousand and No/100 Dollars (\$1,200,000.00)

BACKGROUND

The five 66” diameter intermediate screw pumps deliver partially treated effluent flow from the trickling filters and intermediate clarifiers to the activated sludge basins. The screw pumps were installed in 1997, and each can deliver 12 million Gallons a day (MGD). The pumps provide a firm capacity of 48 MGD, which is adequate for the current peak plant flow of 24 MGD plus an assumed return activated sludge flow of 24 MGD. At least two of these pumps are operating 24/7.

In the last 2 years, City Staff identified multiple issues with the five screw pumps. The main drive and gear boxes are failing. The lower bearings are failing. The actual screw mechanisms have corroded beyond reasonable repair measures. The grease pumps are failing. The screws operate in a grouted concrete trough and the grout has weathered and begun to breakout. With large pieces of the grout missing the pumps become inefficient and eventually ineffective.

This project was bid out using the City of Joplin Procurement Policy. The City of Joplin received two bids for the project. The award of the contract is based on the lowest base bid amount submitted, per the bid documents. The lowest base bid amount (\$650,000.00) plus alternates (Alt #1 \$275,000.00 plus Alt #2 \$275,000.00) to provide for replacement of all five pumps at a total of \$1,200,000.00 is less than the Engineer’s estimate. Allgeier Martin will provide construction inspections throughout the project.

FUNDING SOURCE

Wastewater Fund

RECOMMENDATION

Staff recommends adoption of this Council Bill, approving a construction agreement on an Emergency basis due to dealing with sanitary sewer, health concerns, and structural rehabilitation, it 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.