

CITY OF JOPLIN COUNCIL AGENDA ITEM

ITEM

Council Bill 2020-136 – approving a construction agreement with JKS Concrete Inc. for construction of the 4th and Porter Culvert Replacement.

MEETING DATE

May 18, 2020

ORIGINATING DEPARTMENT

Public Works - Engineering

ATTACHMENTS

Location Map, Bid Tabulation; Agreement, CB2020-136

REVIEWED BY

Director of Public Works: David Hertzberg; Director of Finance: Leslie Haase; City Attorney: Peter Edwards; City Manager: Nicholas Edwards.

SUMMARY

This Council Bill authorizes the City Manager or his designee to enter into an agreement with JKS Concrete Inc., in the amount of Four Hundred Seventy-Eight Thousand Six Hundred Twenty-Three and 00/100 Dollars (\$478,623.00) for construction of the 4th and Porter Culvert Replacement project.

BACKGROUND

In 2019, the City of Joplin experienced one of the wettest years on record with over 60 inches of rainfall accumulation over the area in the span of the calendar year. This tremendous amount of precipitation over the course of the year taxed the City's stormwater collection systems as many systems were running at or above capacity during several instances over the year. The culmination of the repeated stress placed on the storm sewer system at 4th and Porter has resulted in the structural failure of the 9' x 6' corrugated metal pipe (CMP) running across 4th street and south along Porter avenue during the rain event on May 23, 2019. This rain event, which was classified as a 25-year rain event over many parts of the City, caused the CMP pipe to buckle under the intense hydraulic pressure and blow out at various sections of the pipe ultimately resulting in the creation of a sinkhole on Porter and the undermining of the sidewalk on the North side of 4th street.

Following the culvert failure, the public works department acquired the survey data for the area and developed the in-house design plans for the replacement of the failed CMP pipe with a 10' x 5' Reinforced Concrete Box (RCB). The plans also call for the replacement of an open ditch on the east side of Porter avenue with an enclosed system consisting of two field inlets and a 24" RCP. In accordance with the City of Joplin's procurement policies, a request for proposals for construction of the 4th and Porter Culvert Replacement project was advertised on March 29, 2020. Five proposals were received, and bids were opened on April 30, 2020 with JKS Concrete Inc. selected as the lowest, most responsive bidder. The bid was below the Engineer's estimate. Construction inspection services are intended to be performed in-house by the Public Works department.

FUNDING SOURCE

These payments are included in the FY 2019-20 budget of the Parks and Storm Water Sales Tax fund.

RECOMMENDATION

Staff recommends approval of this Council Bill No. 2020-136 on an Emergency Basis, in that said ordinance provides for public improvements and is considered to be an emergency within the meaning of Section 2.12(6) of the HOME RULE CHARTER of the City of Joplin, Missouri, and as such, this Ordinance shall become effective immediately upon its passage. Specifically, this ordinance approves construction to begin immediately in order to address the public safety issue arising from the collapse of the CMP pipe, which include the presence of sinkholes and the risk of the undermining of the sidewalk and road on 4th street.