



City of Broken Arrow

Request for Action

File #: 19-296, Version: 1

**Broken Arrow Municipal Authority
Meeting of: 03-19-2019**

Title:

Consideration, discussion, and possible approval to reject all bids for construction of the County Line Trunk Sewer - Phase 1 (Project No. S.1609) and find that the best interests of the Broken Arrow Municipal Authority will be served by the rejection

Background:

Professional Engineering Consultants, P.A., (PEC) was retained by BAMA to design the referenced project. The existing County Line Trunk Sewer from the Lynn Lane Wastewater Treatment Plant north to Washington Street is in need of replacement due to the deteriorated condition of the pipeline and inadequate capacity for future growth. Oklahoma Department of Environmental Quality Consent Orders have been issued for this line in the past. The current Consent Order requires that BAMA complete construction of the new pipeline by September 1, 2020.

BAMA retained HDR Engineering, Inc. prepare a Wastewater System Master Plan (WWSMP), which was recently completed. The WWSMP recommended pipe sizes for this project, which were confirmed by PEC. The new pipeline will be constructed of Fiberglass Reinforced Plastic (FRP) pipe and manhole structures, which will significantly reduce or eliminate corrosion due to the acid produced by gases in sewage.

The proposed project includes the construction of approximately 5,300 feet of 60-inch, 9,400 feet of 54-inch, and 4,100 feet of 48-inch FRP gravity sanitary sewer interceptor pipelines along and near Broken Arrow Creek and 23rd Street, with new manholes and creek crossing structures. Also included is miscellaneous site work, including but not limited to tree clearing, bypass pumping of sewage, reconnection of service lines, seeding, sodding, and bank stabilization. The Base Bid includes construction from the Lynn Lane Wastewater Treatment Plant (LL WWTP) north to the south side of the Creek Turnpike. Additive Alternate no. 1 includes construction north from this point terminating at a connection to the existing pipeline approximately 900 feet north of Florence Street.

The project was advertised for bids on February 4 and 11, 2019. A mandatory pre-bid meeting was held on February 12, 2019. Bids were opened on February 26, 2019 and six (6) bids were received. Four bids were responsive, and these bids were at least 11.3% higher (based on the Base Bid) than the available budget (\$15,000,000.00). If bids are rejected staff along with the design engineer will look at different pipe materials and other options that could reduce costs. The Certified Bid Tabulation is attached. The bids submitted were composed of the Base Bid and Additive Alternate no. 1. The lowest responsible bidder was S.J. Louis Construction Of Texas, Ltd., with a Base Bid of \$16,697,750.00 and an Additive Alternate no. 1 bid of \$3,502,363.00, for a Total Bid (Base Bid + Additive Alternate no. 1) of \$20,200,113.00. The engineer's cost estimate was \$12,209,820.00 for the Base Bid and \$3,230,835.00 for Additive Alternate no. 1 for a Total (Base Bid + Additive Alternate no. 1) of \$15,440,655.00.

Cost: \$0.00

Funding Source: Oklahoma Water Resources Board loans FAP-17-0004-L and FAP-19-0001-L

Requested By: Alex M. Mills, P.E., CFM, Director of Engineering and Construction

Approved By: Michael L. Spurgeon, City Manager

Attachments: Certified Bid Tabulation

Recommendation:

Reject all bids for the construction of the County Line Trunk Sewer - Phase in the best interests of the Broken Arrow Municipal Authority