



CITY OF NORMAN, OK STAFF REPORT

MEETING DATE: 05/23/2023

REQUESTER: Nathan Madenwald, Utilities Engineer

PRESENTER: Nathan Madenwald, Utilities Engineer

ITEM TITLE: CONSIDERATION OF APPROVAL, REJECTION, AMENDMENT, AND/OR POSTPONEMENT OF BID 2223-63 AND CONTRACT K-2223-141: BY AND BETWEEN THE NORMAN UTILITIES AUTHORITY AND SOUTHWEST WATER WORKS, L.L.C., IN THE AMOUNT OF \$935,000 FOR THE LIFT STATION D FORCE MAIN REPLACEMENT PROJECT, PHASE II, PERFORMANCE BOND B-2223-79, STATUTORY BOND B-2223-80, MAINTENANCE BOND MB-2223-64, AND BUDGET TRANSFER AS OUTLINED IN THE STAFF REPORT.

BACKGROUND:

The City of Norman wastewater collection system has numerous sub-basins, but is composed of two major sewersheds due to the ridge extending northwest to southeast, along the north side of the City. Depending on the location of the sub-basins within the sewer system, gravity flows to either the Canadian River (south of the ridge) or the Little River (north of the ridge). Gravity flows for the Canadian River sewershed are conveyed by sewer interceptors to the Norman Wastewater Reclamation Facility (WRF). Flows from the Little River sewershed are conveyed by interceptors to Lift Station D, which pumps sewage flow into a pressurized sewer line (force main), and drains into adequately-sized interceptors (sewer mains) at Robinson Street and 12th Avenue NE which then flow by gravity south to the WRF.

The Lift Station D force main has experienced numerous breaks in the past. Contract K-0809-65, Phase I, replaced approximately 3,500 feet of the force main in 2009, along 12th Avenue NE between Rock Creek Road and Tecumseh Road. Following this replacement, additional breaks on the force main occurred between Rock Creek Road and the discharge point approximately 1/2 mile north of Robinson Street.

On October 11, 2016, the Norman Utilities Authority approved Contract K-1617-66 with Professional Engineering Consultants, P.A. (PEC) in the amount of \$55,800 for design of the force main replacement between Rock Creek Road and Robinson Street. The project was left at standstill for a period of time based on the property ownership status of the Sutton Wilderness area. However, after determining that this would not affect the project alignment, a preliminary alignment was developed along the west side of 12th Avenue NE. This alignment, after a more detailed review, is not constructible due to various utility conflicts. Staff and the engineer have evaluated the east side of 12th Avenue, and have determined that adequate corridor exists to

construct the project. On April 12, 2022, Amendment No. 1 to Contract K-1617-66 in the amount of \$17,000 was approved to redesign the force main to be on the east side of 12th Avenue.

DISCUSSION:

An Invitation to Bid (Bid-2223-63) was published in the Norman Transcript on April 6 and April 13, 2023, and contained a Base Bid and two Alternate bids for the construction of the Sewer Force Main Replacement project. One of the Alternate bids was planned to be awarded but this bidding methodology allowed for the cost comparison of different construction methodologies for a portion of the project.

Seven (7) contractors attended the mandatory pre-bid meeting held on April 17, 2023. Bids were opened on April 27, 2023, and five (5) contractors submitted bids. The base bids ranged from \$922,000 to \$1,158,600. Bids for Alternate 1 ranged from \$13,000 to \$30,862. Bids for Alternate 2 ranged from \$15,000 to \$52,450 (the bid results are shown in the attached bid summary).

Southwest Water Works, LLC was the low bidder for the Base Bid plus Alternate 1 with a Total Bid of \$935,000. There was an error on the bid for Southwest Water Works, LLC and Matthews Trenching, Inc., but neither error affected the outcome of the low bidder. Both staff and PEC (letter attached) recommend awarding the bid to Southwest Water Works, LLC. As shown in the Bid Summary and the Engineer's Recommendation to Award, the low bid was lower than the Engineer's Estimate of \$1,332,154 for Base Bid plus Alternate 1.

Funding for the project will be from Lift Station D Force Main Replacement, Construction (Account 32190048-46101; Project WW0091) using the existing allocations of \$920,000. It is recommended that a budget transfer of \$80,000 from Bishop Creek Interceptor Replacement, Construction (Account 32190048-46101; Project WW0174) be made. With the transfer, the available funds in the Lift Station D Force Main Replacement Construction account will be \$1,000,000, which will be sufficient to fund the proposed contract with Southwest Water Works and provide \$65,000 (approximately 7 percent) for contract modifications and testing.

Work on this project will commence after NUA approval of the contract and will end in November 2023.

RECOMMENDATION:

Staff recommends the NUA award Bid 2223-63 to Southwest Water Works, LLC for the Lift Station D Force Main Replacement Phase II Project; approve Contract K-2223-141 in the amount of \$935,000; and approve the associated bonds.

Staff further recommends the transfer of \$80,000 from Bishop Creek Interceptor, Construction into the Lift Station D Force Main Replacement, Construction account.