



CITY OF NORMAN, OK STAFF REPORT

MEETING DATE: 11/8/2022

REQUESTER: Nathan Madenwald, Utilities Engineer

PRESENTER: Nathan Madenwald, Utilities Engineer

ITEM TITLE: CONSIDERATION OF APPROVAL, ACCEPTANCE, REJECTION, AMENDMENT, AND/OR POSTPONEMENT OF CHANGE ORDER NO. SIX TO CONTRACT K-1920-73: BY AND BETWEEN THE NORMAN UTILITIES AUTHORITY AND HORSESHOE CONSTRUCTION, INC., DECREASING THE CONTRACT AMOUNT BY \$110,989.49 FOR A REVISED CONTRACT AMOUNT OF \$2,861,354.06 FOR THE FYE 2017 SEWER MAINTENANCE PROJECT, FINAL ACCEPTANCE OF THE PROJECT, AND FINAL PAYMENT IN THE AMOUNT OF \$178,878.

BACKGROUND:

In 2001, the citizens of Norman approved a five dollar per month sewer maintenance fee to provide for the systematic replacement of aged and deteriorating neighborhood sewer lines. After extensive study by Sewer Line Maintenance Division and Utilities Engineering, the sanitary sewer lines within the FYE17 Sewer Maintenance Project (SMP17) study area were determined to require either rehabilitation or replacement, repair, or no action due to the pipe and appurtenances being in good condition.

The SMP17 study area is generally bounded by Cavecreek Street to the north, Porter Avenue to the west, Rock Creek Road to the south, and 12th Avenue N.E. to the east. It will replace about 28,500 feet (about 5.7 miles) of old sewer lines and rehabilitate or replace 161 manholes. Generally, the selected contractor will install high-density polyethylene (HDPE) sewer pipe, primarily using the pipe-bursting technique. This technique allows long lengths of joint less HDPE piping to be pulled into the old pipe at manholes as it is expanded with the bursting tool. House sewer service connections are then re-connected to the new pipe; approximately 455 private residences will be affected.

Bids were opened on March 12, 2020 and Horseshoe Construction, Inc. (Horseshoe) of La Porte, Texas was the low bidder for the Base Bid at \$2,796,161.25. On April 14, 2020, the NUA authorized award and approved Contract K-1920-73 with Horseshoe for \$2,796,161.25. Five previous change orders were approved on the project as follows:

1. Change Order No. 1 – Approved on April 14, 2020, by City Council at no cost change to adjust the unit price for mobilization and restoration pay items;

2. Change Order No. 2 – Approved on June 9, 2020, by City Council increasing the contract amount by \$129,563.50 to add 990 feet of pipe rehabilitation along Chautauqua from Symmes Street north to Main Street;
3. Change Order No. 3 – Approved on October 28, 2020, by City Manager decreasing the contract amount by \$910.00 to increase paving and rock quantities, account for two unforeseen storm sewer crossings, and eliminate the need for clean-outs on the service lines;
4. Change Order No. 4 – Approved on November 9, 2021, by the City Manager increasing the contract amount by \$27,528.80 to modify the sewer alignments on 9th Avenue NE between Rock Creek Road and Sequoyah Trail Parkway; and
5. Change Order No. 5 – Approved on April 9, 2022, by City Council increasing the contract amount by \$20,000.00 to convert areas for pipe bursting to cast-in-place fiberglass pipe.

DISCUSSION:

The proposed final Change Order No. 6 includes two items:

1. Item 1 – Bid quantities will be reconciled to match final as-built quantities;
2. Item 2 – Consists of two new pay items:
 - a. Removal of unforeseen concrete around existing sewer mains that impacted pipe bursting activities and required open cut removal of concrete – \$31,819.69; and
 - b. Payment for unused manhole rings and covers to be used in the future by Line Maintenance – \$34,471.57.

As shown in the change order, the overall project cost will decrease by a total of \$110,989.49 or approximately 3.97% below the original contract amount. Combined with all change orders, the total change to the original contract for the project is \$65,192.81 or 2.33 percent. Approval of Change Order No. 6, acceptance of the project, and payment of the final claim are recommended by the Engineer/Staff.

RECOMMENDATION:

Staff recommends the NUA approve Change Order No.6; accept FYE17 Sewer Maintenance Project (Project WW0307 – Account 32193338-46101); and authorize final payment in the amount of \$178,878 to Horseshoe Construction, Inc.