



DATE: March 10, 2017
TO: Steve Lewis, City Manager
FROM: Carrie Evenson, Ph.D., P.E., Stormwater Engineer *je*
THRU: Shawn O'Leary, Director of Public Works
SUBJECT: Change Order No. 3 to Contract No. K-1516-72 with Central Contracting Services, Inc., for the Completion of the Havenbrook Street Bridge Repair Project to add \$17,565.00

BACKGROUND:

WEST MAIN STREET DRAINAGE PROJECT:

In an effort to relieve the flooding problem along Midway Drive, a portion of the City's 2008 Drainage Project in the Cambridge Place neighborhood consisted of installing drainage inlets at the low point of Midway Drive and carrying the water in storm water pipelines to the system located in the parking lot of Arbor House. This has helped to alleviate some of the flooding problem along Midway Drive but has not completely solved the problem. The 2016 project was designed to complete the upgrade to the Midway Drive storm water system by upsizing the system at and downstream of the Arbor House.

On May 10, 2016, City Council approved Contract No. K-1516-72 between the City of Norman and Central Contracting Services, Inc., for furnishing of all labor and materials for the West Main Street Drainage Project for an amount of \$342,715.

On October 25, 2016, City Council approved Change Order No. 1 to Contract No. K-1516-72 in the amount of \$42,154.40 for replacement of approximately six-hundred (600) feet of the 12-inch waterline, including the waterline to be relocated under the new stormwater pipeline.

HAVENBROOK STREET BRIDGE REPAIR:

As part of a separate storm event, approximately five months ago on September 25, 2016, the existing bridge on Havenbrook Street east of 36th Avenue NW over Brookhaven Creek was closed by the City of Norman due to a collapse in the roadway (see Attachment A for bridge location). Fortunately, city staff was able to close the bridge soon after the collapse on Sunday, September 25, prior to any traffic accidents or injuries by Norman citizens. Upon further investigation by City bridge engineers, it was determined that the existing corrugated metal stormwater pipes under the roadway were corroded to the extent that two of the pipes had collapsed allowing the roadway to settle by over two vertical feet.

After considering all options, City staff concluded that the Havenbrook Street bridge must be permanently repaired immediately within current budget limitations. This project was treated as an emergency repair. Beginning on November 28, 2016, city staff, equipment and resources from the City Stormwater Division were assigned to demolish the portions of the existing bridge that must be replaced or repaired. The nine existing, 9-foot-diameter corrugated metal pipes were replaced with nine new "coated" corrugated metal pipes of the same size. Other structural elements of

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the existing bridge were repaired or replaced as needed. The existing concrete pavement and sidewalk was also replaced.

On December 13, 2016, City Council approved Change Order No. 2 to Contract No. K-1516-72 in the amount of \$58,750.00 and a transfer of funds from Account No. 050-9687-431.61-01, Project No. TC0254, Bridge Maintenance Program to Account No. 050-9352-431.61-01, Project No. SC0621, Havenbrook Street Bridge Repair, for furnishing labor and materials for concrete pavement and sidewalk replacement during repair/reconstruction of the Havenbrook Street Bridge.

DISCUSSION:

This memorandum is a request to amend the current contract with Central Contracting Services, Inc., for furnishing additional labor and materials for concrete pavement replacement during repair/reconstruction of the Havenbrook Street bridge. Additional concrete was required to replace panels that had to be replaced due to cracking.

Central Contracting Services, Inc., provided the additional labor and material to complete the pavement and sidewalk at the unit price included in Contract No. K-1516-72 in the amount of \$17,565.00 from Account No. 050-9687-431.61-01 Project No. TC0254, Bridge Maintenance Program for Bridges >20' in Length for a total of \$76,315.00 for the Havenbrook Street bridge portion of this contract.

RECOMMENDATION:

Staff recommends approval of Change Order No. 3 in the amount of \$17,565.00 to Contract No. K-1516-72, between the city of Norman and Central Contracting Services, Inc., for furnishing labor and materials for concrete pavement and sidewalk replacement during repair/reconstruction of the Havenbrook Street bridge.

Total project costs for the Havenbrook Street Bridge Repair Project, with approval of Change Order No. 3, are \$262,986.67, most of which involved the purchase of materials.