

Mayor and Council Communication

DATE: 04/07/20

M&C FILE NUMBER: M&C 20-0161

LOG NAME: 60TERMINATE49826HM&EMER51521ADDFUNDING

SUBJECT

Authorize Mutual Termination of the Contract with Humphrey & Morton Construction Company, Inc. for Slope Stabilization of Sanitary Sewer Mains M-280-B and M-338-B, Adopt Appropriation Ordinances for Additional Project Costs for the Emergency Sewer Work Regarding the Trinity River Bank Erosion Affecting M-280-B and M-338-B (COUNCIL DISTRICT 2)

RECOMMENDATION:

It is recommended that the City Council:

1. Authorize the Termination of City Secretary Contract No. 49826 with Humphrey & Morton Construction Company, Inc. ("HMCCI") for Slope Stabilization Sanitary Sewer Mains M-280-B and M-338-B (CPN 100520);
2. Adopt the attached Appropriation Ordinance increasing receipts and appropriations in the Water and Sewer Capital Projects Fund in the amount of \$1,315,030.22 transferred from available funds within the Water and Sewer Fund for the purpose of funding additional emergency sewer work regarding the Trinity River bank erosion project HM Twin 90-inch M-280-B and M-338-B (CPN 102346);
3. Adopt the attached Appropriation Ordinance to adjust the receipts and appropriations in the Water & Sewer Bond 2017A Fund by decreasing receipts and appropriations in the Little Fossil Rehab -Twin 90-inch project (City Project No. 100520) in the amount of \$1,695,825.20, and increasing receipts and appropriations in the HM Twin 90-inch M-280-B and M-338-B project (City Project No. 102346) by the same amount; and
4. Adopt the attached Appropriation Ordinance to adjust the receipts and appropriations in the Water & Sewer Capital Projects Fund by decreasing receipts and appropriations in the Little Fossil Rehab - Twin 90-inch project (City Project No. 100520) in the amount of \$17,206.82, and increasing receipts and appropriations in the HM Twin 90-inch M-280-B and M-338-B project (City Project No. 102346) by the same amount.

DISCUSSION:

The purpose of this M&C is to consolidate contracts and provide necessary additional funding to complete the Trinity River Bank Slope Stabilization project to protect the two 90-inch diameter West Fork trunk sewer mains, identified as Mains M-280-B and M-338-B.

In the spring of 2016 significant erosion of the Trinity River streambank occurred due to heavy rains and upstream reservoir releases. The streambank erosion jeopardized the stability of the two 90-inch diameter West Fork collector sewer lines, which convey a significant portion of Fort Worth's wastewater to the downstream Village Creek Water Reclamation Facility. An emergency memo was routed on June 7, 2016, for preliminary bank stabilization while emergency engineering design by DeOtte Engineering commenced . On September 26, 2017 (M&C C-28407), City Council authorized the execution of the contract which is the subject of this M&C, a competitively procured contract (CSC 49826) with Humphrey & Morton Construction Company, Inc. ("HMCCI"), in the amount of \$1,867,535.00, for construction of a reinforced concrete wall with rock gabion baskets to stabilize the streambank and protect the West Fork collector sewer lines based on the emergency design. However, additional heavy rains which occurred in the fall of 2018 and spring of 2019 resulted in additional erosion of the streambank necessitating additional emergency work which both Circle C Construction Company (CSC 51472) and HMCCI (CSC 51521) (10/17/18 emergency memo) were engaged to construct, consisting of additional steel sheet pile cutoff wall with anchored tiebacks to reinforce the streambank and provide temporary support for the collector sewer lines.

The additional streambank erosion that occurred in 2018 and again in 2019 has resulted in substantially changed conditions, rendering the original DeOtte Engineering design of the reinforced concrete wall and gabion baskets no longer constructible, leading to the mutual decision to terminate CSC 49826. The changed conditions required additional engineering and design, this time provided by Freese and Nichols, Inc. (CSC 53101), including flow deflection structures along the lower portion of the stream bank to prevent the river from moving towards the twin 90-inch pipes. The upper portion of the stream bank will be protected with large rock riprap and feature a cast in place concrete wall to restore the cover around the pipes to original design conditions. Staff has engaged HMCCI to construct the revised repairs under the existing emergency contract (CSC 51521).

Appropriations for Slope Stabilization of Sanitary Sewer Mains M-280-B and M-338-B are as depicted below:

Fund	Exsting Appropriations	Additional Appropriations	Project Total*
W&S Capital Projects - Fund 56002	\$1,000,000.00	\$1,315,031.00	\$2,315,031.00
Sewer Capital Fund - Legacy 59607	\$495,066.00	\$0.00	\$495,066.00

Water & Sewer Bond 2017A - Fund 56011	\$2,216,136.00	\$0.00	\$2,216,136.00
Project Total	\$3,711,202.00	\$1,315,031.00	\$5,026,233.00

*Numbers rounded for presentation purposes.

This action will have no effect on the Water Department's operating budget when complete.

The project is located in COUNCIL DISTRICT 2.

A Form 1295 is not required because: This M&C does not request approval of a contract with a business entity.

FISCAL INFORMATION / CERTIFICATION:

The Director of Finance certifies that upon approval of the above recommendations and adoption of the attached appropriation ordinance, funds will be available in the Water and Sewer Capital Projects (W&S Capital Projects) Fund. Prior to an expenditure being incurred, the Water Department has the responsibility of verifying the availability of funds.

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