

Mayor and Council Communication

DATE: 06/11/24

M&C FILE NUMBER: M&C 24-0514

LOG NAME: 60SOUTHEAST CASTIRONWMREPLACE - AECOM

SUBJECT

(CD 5, CD 8, and CD 11) Authorize Execution of an Engineering Agreement with AECOM Technical Services, Inc. in the Amount of \$1,282,621.00, for the 16 Inch to 24 Inch Cast Iron Water Main Replacements for Eastwood and Timberline Elevated Storage Tanks Project and Adopt Appropriation Ordinance to Effect a Portion of Water’s Contribution to Fiscal Years 2024-2028 Capital Improvement Program

RECOMMENDATION:

It is recommended that the City Council:

1. Authorize execution of an engineering agreement with AECOM Technical Services, Inc. in the amount of \$1,282,621.00, for the 16 inch to 24 inch Cast Iron Water Main Replacements in Eastwood and Timberline Elevated Storage Tanks Project; and
2. Adopt the attached appropriation ordinance increasing estimated receipts and appropriations in the Water and Sewer Capital Projects Fund in the amount of \$1,594,629.00 from available PayGo residuals within the Water and Sewer Capital Projects Fund for the purpose of funding the 16 inch to 24 inch Cast Iron Water Mains Replacements in Eastwood and Timberline Elevated Storage Tanks Project (City Project No. 105070) and to effect a portion of Water’s contribution to Fiscal Years 2024-2028 Capital Improvement Program.

DISCUSSION:

Replacement of existing cast iron water lines, installed before the general use of concrete cylinder pipe and ductile iron pipe, is a major goal of the Fort Worth Water Department (FWWD) due to cast iron pipe’s excessive break record. The Water Department has routinely replaced cast iron waterlines as part of water replacement/rehabilitation projects and in support of street bond (street rehabilitation) projects. However, due to the severe street damage and flooding resulting from large cast iron (16-inch and larger) water main breaks, the department is placing a high priority on replacement of large diameter cast iron water transmission mains.

This Mayor and Council Communication (M&C) is to authorize the execution of an engineering agreement with AECOM Technical Services, Inc. in the amount of \$1,282,621.00, for the 16 inch to 24 inch Cast Iron Water Main Replacements in Eastwood and Timberline Elevated Storage Tanks Project for the preparation of plans and specifications for water and sanitary sewer main replacements as indicated on the following streets in the Southeast area of the City:

Street	From	To	Scope of Work
Trueland Drive	Timberline Elevated Storage Tank	Lomita Street	Water / Sewer
Timberline Drive	Trueland Drive	Wichita Street	Water / Sewer
Knox Avenue	Erath Street	Shackleford Street	Water
Lomita Street	Trueland Drive	Wichita Street	Water / Sewer
Wichita Street	Wilbarger Street	Lomita Street	Water
Wilbarger Street	Wichita Street	Shackleford Street	Water / Sewer
Shackleford Street	Wilbarger Street	Collin Street	Water
Collin Street	Shackleford Street	US HWY 287	Water
Ratan Street	Wilbarger Street	Chickasaw Avenue	Water
Miller Avenue	Forbes Street	Martin Street	Water / Sewer
Richardson Street	Miller Avenue	Pate Avenue	Water

Eastover Avenue	Richardson Street	South 572 feet	Water
Easement North of Wiman Street	Miller Avenue	Pate Avenue	Water
Easement South of Hardeman Street	Miller Avenue	West 435 feet then 372 feet northwest then north 62 feet	Water
Reed Street	Miller Avenue	Pate Drive	Water

In addition to the contract amount, \$312,008.00 (Water: \$244,708.00; Sewer: \$67,300.00) is required for project management, real property acquisition, utility coordination, and material testing. This project will have no impact on the Water Department's operating budget when completed. The sewer component of the project is part of the Water Department's Sanitary Sewer Overflow Initiative Program.

It is the practice of the Water Department to appropriate its CIP plan throughout the Fiscal Year (FY), instead of within the annual budget ordinance, as projects commence, additional funding needs are identified, and to comply with bond covenants. The actions in the M&C will appropriate funds in support of the Water's portion of the City of Fort Worth's Fiscal Years 2024-2028 Capital, as follows:

60SOUTHEAST CASTIRONWMREPLACE -AECOM

Capital Fund Name	Project Name	FY2024 CIP Appropriations	Authority	Budget Change (Increase/Decrease)	Revised FY2024 Budget
W&S Capital Projects - Fund 56002	105070 - 16 to 24in CI WM Repl. For EW and TL EST	\$0.00	This M&C	\$1,594,629.00	\$1,594,629.00

Funding is available in the Unspecified All-Funds project within the Water & Sewer Capital Project Fund for the purpose of funding the 16 inch to 24 inch Cast Iron Water Main Replacements for Eastwood and Timberline Elevated Storage Tanks project.

Appropriations for the 16 inch to 24 inch Cast Iron Water Main Replacements Eastwood and Timberline Elevated Storage Tanks project are as depicted below:

Fund	Existing Appropriations	Additional Appropriations	Project Total*
W&S Capital Projects - Fund 56002	\$0.00	\$1,594,629.00	\$1,594,629.00
Project Total	\$0.00	\$1,594,629.00	\$1,594,629.00

Business Equity: AECOM Technical Services, Inc. is in compliance with the City's Business Equity Ordinance by committing to 23.69 percent MWBE participation on this project. The City's MWBE goal on this project is eight percent.

The project is located in COUNCIL DISTRICTS 5, 8 and 11.

FISCAL INFORMATION / CERTIFICATION:

The Director of Finance certifies that funds are currently available in the Unspecified All-Fund project within the W&S Capital Projects Fund, and upon approval of the above recommendations and adoption of the attached appropriation ordinance, funds will be available in the W&S Capital Projects Fund for the 16 – 24 in CI WM Repl for EW & TL EST to support the above recommendations and execution of the engineering agreement. Prior to any expenditure being incurred, the Water Department has the responsibility of verifying the availability of funds.

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