

Mayor and Council Communication

DATE: 09/12/23

M&C FILE NUMBER: M&C 23-0776

LOG NAME: 60SEWER ALIGNMENT STUDY WITH BENBROOK WATER AUTHORITY

SUBJECT

(CD 3) Authorize Execution of an Interlocal Agreement with Benbrook Water Authority in the Expected Total Amount of \$354,508.00 with City Participation Expected Amount of \$163,957.00 for a Sewer Alignment Study; and Adopt Appropriation Ordinance to Effect a Portion of Water’s Contribution to the Fiscal Years 2023 – 2027 Capital Improvement Program

RECOMMENDATION:

It is recommended that the City Council:

1. Authorize execution of an Interlocal Agreement with the Benbrook Water Authority with City Participation in the expected amount of \$163,957.00 to conduct a sewer alignment study; and
2. Adopt the attached appropriation ordinance adjusting appropriations in the Water / Sewer Bond 2016 Fund by increasing appropriations in the amount of \$163,957.00. Project (City Project No. 105030 in the amount of \$164,000.00 and decreasing appropriations in the Unspecified – All Funds Project (City Project No. UNSPEC) by the same amount, to effect a part of Water’s contribution to the Fiscal Years 2023-2027 Capital Improvement Program.

DISCUSSION:

The Benbrook Water Authority (BWA), an existing wastewater wholesale customer, (City Sectary Contract No.49267) and the City of Fort Worth desire to plan for future increased growth and demand for additional wastewater flows. The entities have agreed to share the costs of a sewer alignment study for a sewer interceptor that will serve their respective needs. This Interlocal agreement will provide for BWA to conduct the alignment study of the sewer interceptor system currently comprised of the City of Fort Worth’s 30” and 36” M-513* sanitary sewer main that runs through the City of Benbrook to which is tied BWA’s 18” sewer main.

The sewer alignment cost sharing formula is based on future estimated flows from the City of Fort Worth not to exceed 6.5 Millions of Gallons per Day (MGD). The combined peak flows from both Fort Worth and Benbrook Water Authority is a total of 12.2 MGD upstream of the existing 30” segment of M-513. The 30” segment has an existing capacity of 13.0 MGD.

Table 1, below, describes the anticipated cost share based on weighted average and Table 2 describes peak wet weather flows used to calculate the weighted average.

Table 1:

Segment	Pipe Size	Required Flow (GPM)					
		CFW		BWA		Total	
		ADF	PWW	ADF	PWW	ADF	PWW
A-B	30"	700.00	4,514.00	0.00	0.00	700.00	4,514.00
B-C	30"	700.00	4,514.00	192.00	960.01	892.00	5,474.01
C-E	30	700.00	4,514.00	791.71	3,958.56	1,491.71	8,472.56
E-F1	30"-36"	700.00	4,514.00	937.48	4,687.40	1,637.48	9,201.40
F1-G1	18"	700.00	4,514.00	1,181.35	5,907.32	1,881.35	10,421.32
G1-H1	18"	700.00	4,514.00	1,911.64	9,558.18	2,611.64	14,072.18

Table 2

Segment	Pipe Size	Ownership	Length	PWW Method CFW/BWA	
				CFW	BWA
A-B	30"	CFW	3,584	100%	0%
B-C	30"	CFW	1,888	82%	18%
C-E	30"	CFW	2,757	53%	47%
E-F1	30"-36"	CFW	7,983	49%	51%
F1-G1	18"	BWA	2,804	43%	57%
G1-H1	18"	BWA	7,665	32%	68%
		Weighted Average:		46%	54%
		Cost Share Total		\$163,956.92	\$190,551.08

*Numbers rounded for presentation purposes.

It is the practice of the Water Department to appropriate its CIP plan throughout the fiscal year, 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 2023-2027 Capital Improvement Program, as follows:

60SEWER ALIGNMENT STUDY WITH BENBROOK WATER AUTHORITY, TX

Capital Fund Name	Project Name	FY2023 CIP Appropriations	Authority	Budget Change (Increase/Decrease)	Revised FY2023 Budget
Water/Sewer Bond 2016 – Fund 56005	ILA BWA-Benbrook Sewer Alignment Study	\$0.00	This M&C	\$164,000.00	\$164,000.00

Funding is currently available in the Unspecified- All Funds project within the Water/Sewer Bond 2016 Fund for the purpose of funding the BWA-Benbrook Sewer Alignment project.

Appropriations for the BWA-Benbrook Sewer Alignment Study project are as depicted below:

Fund	Existing Appropriations	Additional Appropriations	Project Total*
Water/Sewer Bond 2016 – Fund 2016	\$0.00	\$164,000.00	\$164,000.00
Project Total	\$0.00	\$164,000.00	\$164,000.00

This contract will be with a governmental entity, state agency or public institution of higher education: (Benbrook Water Authority).

This project is located in Council Districts 3 and the City of Benbrook.

A Form 1295 is not required because: This contract will be with a governmental entity, state agency or public institution of higher education:

FISCAL INFORMATION / CERTIFICATION:

The Director of Finance certifies that funds are available in the Unspecified-All Funds project within the Water/Sewer Bond 2016 Fund and upon approval of the above recommendations and adoption of the attached appropriation ordinance, funds will be available in the Water/Sewer Bond 2016 Fund for the ILA BWA Bnbrk Swr Alig. Study project to support the approval of the above recommendations and execution of the contract. Prior to any expenditure being incurred, the Water Departments has the responsibility of verifying the availability of funds.

Submitted for City Manager's Office by: Dana Burghdoff 8018

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