



Legislation Text

File #: 23-2076, **Version:** 1

STRATEGIC PRIORITY: Transportation & Infrastructure

AGENDA DATE: November 8, 2023

COUNCIL DISTRICT(S): All

DEPARTMENT: Water Utilities Department

EXECUTIVE: Kimberly Bizer Tolbert

SUBJECT

Authorize (1) an increase in appropriations in an amount not to exceed \$799,902.40 in the Water Construction Fund; and (2) a professional services contract with Carollo Engineers, Inc. to provide engineering services for the evaluation of the feasibility, reliability and resiliency of optimizing existing water supply and raw water transmission infrastructure to meet municipal water supply demands in the North Central Texas region - Not to exceed \$1,199,853.62 - Financing: Water Construction Fund

BACKGROUND

Dallas and the North Central Texas Region are experiencing rapid business and population growth with accompanying increased demands for municipal and industrial water supplies. Dallas' Long-Range Water Supply Plan (LRWSP) since the drought of the 1950's has guided Dallas' to develop a geographically, hydrologically, climatically, and geologically diverse water supply system.

North Texas Municipal Water District (NTMWD) and Tarrant Regional Water District (TRWD) have also developed diverse water supply systems to meet the needs of their respective service areas. Although, Dallas, NTMWD, and TRWD service areas are adjacent, the water supply and raw water transmission systems are not interconnected and are operated independently, with very few exceptions like the Integrated pipeline with TRWD and the exchange of reuse with NTMWD. Due to the unique geographical, hydrological, climatic, and geological characteristics of the Dallas, NTMWD and TRWD water supplies, joint system operation has the potential to generate additional water supply for the region.

On August 10, 2022, the City Council authorized an Interlocal Agreement between Dallas, NTMWD, and TRWD to jointly evaluate the feasibility, reliability, and resiliency of optimizing existing water supply and raw water transmission infrastructure to meet municipal and industrial water supply demands in the North Central Texas region in an estimated study cost of \$1,200,000.00. The three agencies will share the cost of the study equally with Dallas managing the study.

The proposed study will evaluate the joint operation of the water supply system for yield optimization and identify opportunities within the water supply system and associated raw water transmission infrastructure to take advantage of the identified increased yields.

This action will authorize a professional services contract with Carollo Engineers, Inc. to complete the regional optimization study. Carollo Engineers, Inc. was selected following a qualifications-based selection process in accordance with City of Dallas Administrative Directive 4-05 procurement guidelines.

ESTIMATED SCHEDULE OF PROJECT

Begin Services December 2023
 Complete Services December 2024

PRIOR ACTION/REVIEW (COUNCIL, BOARDS, COMMISSIONS)

On August 10, 2022, the City Council authorized (1) an Interlocal Agreement between Dallas, North Texas Municipal Water (NTMWD) and Tarrant Regional Water District (TRWD) to jointly evaluate the feasibility, reliability, and resiliency of optimizing existing water supply and raw water transmission infrastructure to meet municipal and industrial water supply demands in the North Central Texas region in an estimated study cost of \$1,200,000.00; (2) the receipt and deposit of funds from NTMWD in an amount not to exceed \$400,000.00 in the Water Construction Fund; (3) the receipt and deposit of funds from TRWD in an amount not to exceed \$400,000.00 in the Water Construction Fund; (4) an increase in appropriations in an amount not to exceed \$800,000.00 in the Water Construction Fund; and (5) execution of the Interlocal Agreement and all terms, conditions and documents required by the agreement by Resolution No. 22-1129.

FISCAL INFORMATION

Fund	FY 2024	FY 2025	Future Years
Water Construction Fund	\$1,199,853.62	\$0.00	\$0.00

M/WBE INFORMATION

In accordance with the City’s Business Inclusion and Development Policy adopted on September 23, 2020, by Resolution No. 20-1430, as amended, the M/WBE participation on this contract is as follows:

Contract Amount	Procurement Category	M/WBE Goal
\$1,199,853.62	Architecture & Engineering	34.00%
M/WBE Subcontracting %	M/WBE Overall %	M/WBE Overall Participation \$
34.00%	34.00%	\$407,950.36
<ul style="list-style-type: none"> This contract meets the M/WBE goal. Carollo Engineers, Inc. - Local; Workforce - 11.00% Local 		

OWNER

Carollo Engineers, Inc.

B. Narayanan, Chief Executive Officer

MAP

Attached