



Legislation Text

File #: 23-979, **Version:** 1

STRATEGIC PRIORITY: Transportation & Infrastructure

AGENDA DATE: June 28, 2023

COUNCIL DISTRICT(S): 4

DEPARTMENT: Water Utilities Department

EXECUTIVE: Kimberly Bizer Tolbert

SUBJECT

Authorize a construction services contract for rehabilitation and pumping improvements at Peak Flow Basin C located at the Central Wastewater Treatment Plant - Bar Constructors, Inc., lowest responsible bidder of three - Not to exceed \$26,208,700.00 - Financing: Wastewater Capital Improvement F Fund

BACKGROUND

The Central Wastewater Treatment Plant (CWWTP) is the largest of two wastewater treatment plants owned and operated by the City of Dallas. Adequate peak flow storage capacity is necessary to prevent wastewater overflows during peak flow events. The existing peak flow storage facilities consist of Basin A.1, Basin B.1, Basin B.2 and Basin C. There are also locations designated for future peak flow Basin A.2 and Basin D when additional storage capacity becomes necessary.

Peak Flow Basin C is an integral part of the peak flow management system at the CWWTP. It is bounded by Basin B.2 on the north, Basin A.1 on the west, and the Trinity River on the east. Basin C is currently lined with cement treated sand on the bottom and concrete on the side slopes. The existing basin is in poor structural condition with extensive failures and significant vertical offsets at the bottom, wide-spread cracks and concrete rubble on the side slopes and the under-drain system has failed. The failure of the basin lining system has resulted in wastewater infiltration among basins and seepage into the ground. In addition, the existing basin requires constant repairs which increases the likelihood of the basin being out of service during a peak flow event. If this were to occur, it would result in reduced peak flow capacity and potential wastewater overflows. Therefore, it is critical to rehabilitate the existing Peak Flow Basin C to ensure the plant has adequate peak flow capacity.

This action will authorize a construction services contract to remove the existing lining system of Basin C and replace it with a new 8-inch-thick concrete liner underlain by a drain system on the basin bottom and side slopes. The construction contract also includes improvements to disconnect Basin C from Basin A.1, install scum baffles at the Basin B.2 spillway and remove existing debris piles located

at the future Peak Flow Basin D site. Additional improvements include the installation of a new gate and actuator at the interceptor gate structure, slope improvements at the existing storm water pond and drainage channel and improvement of the Influent Pump Station seal water piping and associated electrical/instrumentation for the existing pumps. As a result of the planned improvements, overflows will be reduced in the wastewater collection system, staff will have greater operational flexibility during high flow events, the number of unpredictable equipment failures will be reduced, and shutdowns required for maintenance and construction activities throughout the plant will be minimized.

The following chart illustrates Bar Constructors, Inc.'s contractual activities with the City of Dallas for the past three years:

	<u>PBW</u>	<u>DWU</u>	<u>PKR</u>	<u>TRN</u>
Projects Completed	0	4	0	0
Active Projects	0	2	0	0
Change Orders	0	3	0	0
Projects Requiring Liquidated Damages	0	0	0	0
Projects Completed by Bonding Company	0	0	0	0

ESTIMATED SCHEDULE OF PROJECT

Begin Construction August 2023
Complete Construction April 2025

PRIOR ACTION/REVIEW (COUNCIL, BOARDS, COMMISSIONS)

This item has no prior action.

FISCAL INFORMATION

Fund	FY 2023	FY 2024	Future Years
Wastewater Capital Improvement F Fund	\$26,208,700.00	\$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
\$26,208,700.00	Construction	32.00%
M/WBE Subcontracting %	M/WBE Overall %	M/WBE Overall Participation \$
8.65%	75.33%	\$19,744,310.00
• This contract exceeds the M/WBE goal.		
• BAR Constructors, Inc - Local; Workforce - 35.25% Local		

PROCUREMENT INFORMATION

The following three bids were received and opened on March 24, 2023:

*Denotes lowest bidder

<u>Bidder</u>	<u>Bid Amount</u>
*Bar Constructors, Inc. 805 Katy Street Lancaster, Texas 75146	\$26,208,700.00
Archer Western Contractors, LLC	\$30,211,400.00
Oscar Renda Contracting, Inc.	\$43,825,000.00

OWNER

Bar Constructors, Inc.

Isidro Arrambide, Jr., President

MAP

Attached