



Legislation Text

File #: 20-1318, **Version:** 1

STRATEGIC PRIORITY: Mobility Solutions, Infrastructure, and Sustainability

AGENDA DATE: September 9, 2020

COUNCIL DISTRICT(S): 4

DEPARTMENT: Water Utilities Department

EXECUTIVE: Majed Al-Ghafry

SUBJECT

Authorize a construction contract for aeration improvements and associated components at the Central Wastewater Treatment Plant - Crescent Constructors, Inc., lowest responsible bidder of six - Not to exceed \$18,327,000.00 - Financing: Wastewater Capital Improvement D Fund

BACKGROUND

The City of Dallas owns and operates two wastewater treatment plants with a combined treatment capacity of 280 million gallons per day. Central Wastewater Treatment Plant (CWWTP) is the largest of the two plants, located just south of downtown. CWWTP consists of two separate activated sludge treatment process trains, Complex A and Complex B, with blowers that deliver diffused air as part of the treatment process. Five single-stage centrifugal blowers currently supply diffused air to Complex A and Complex B, filter backwash and the post aeration process. The blowers were installed in 1987 and are reaching the end of their useful life along with many of the associated components and delivery system.

The aeration system is critical for wastewater treatment and meeting regulatory permit requirements. In order to remove organic solids from wastewater, a continuous supply of diffused air is required. The current configuration offers no redundancy, and given the age of the blowers and the difficulties associated with maintaining them, it is paramount to provide CWWTP with a new reliable aeration facility.

This action will authorize a contract for the construction of the Complex B Blower Facility with structural, architectural, mechanical, HVAC, plumbing, electrical and instrumentation components. The work also includes construction of a new 36-inch low pressure air pipe from the blower facility to the existing 42-inch low pressure air pipe, connection to existing piping, utility relocations, modifications to the air piping at Complex B Aeration Basins 1 through 4, installation of new valves, flowmeters, pipe supports, insulation, instrumentation and electrical components, and repair of air leaks at various locations including Complex A, existing 42-inch low pressure air pipe, and filter gallery. Lastly, the scope of this project also includes construction of an electrical loop that will provide power to the new facility.

Crescent Constructors, Inc. has had no contractual activities with the City of Dallas within the past three years.

ESTIMATED SCHEDULE OF PROJECT

Begin Construction November 2020
Complete Construction November 2022

PRIOR ACTION/REVIEW (COUNCIL, BOARDS, COMMISSIONS)

This item has no prior action.

FISCAL INFORMATION

Fund	FY 2020	FY 2021	Future Years
Wastewater Capital Improvement D Fund	\$18,327,000.00	\$0.00	\$0.00

M/WBE INFORMATION

In accordance with the City's Business Inclusion and Development Plan adopted on October 22, 2008, by Resolution No. 08-2826, as amended, the M/WBE participation on this contract is as follows:

Contract Amount	Category	M/WBE Goal	M/WBE %	M/WBE \$
\$18,327,000.00	Construction	25.00%	25.39%	\$4,652,667.00
• This contract exceeds the M/WBE goal.				
• Crescent Constructors, Inc. - Non-Local; Workforce - 55.46% Local				

PROCUREMENT INFORMATION

The following six bids with quotes were opened on June 19, 2020:

*Denotes successful bidder

Bidders

Bid Amount

*Crescent Constructors, Inc. 2560 Technology Drive, Suite 400 Plano, Texas 75074	\$18,327,000.00
BAR Constructors, Inc.	\$18,570,900.00
Archer Western Construction, LLC	\$18,709,500.00
PLW Waterworks, LLC	\$19,728,000.00
Kiewit Water Facilities South Co.	\$23,550,000.00
Oscar Renda Construction, Inc.	\$23,566,000.00

OWNER

Crescent Constructors, Inc.

Michael G. Daigre, President

MAP

Attached