



Legislation Text

File #: 22-2547, **Version:** 1

STRATEGIC PRIORITY: Transportation & Infrastructure

AGENDA DATE: December 14, 2022

COUNCIL DISTRICT(S): 10

DEPARTMENT: Water Utilities Department

EXECUTIVE: Kimberly Bizer Tolbert

SUBJECT

Authorize an increase in the construction services contract with John Burns Construction Company of Texas, Inc., for the emergency repair of two parallel 48-inch diameter wastewater siphons just upstream of Cottonwood Creek - Not to exceed \$1,626,806.00, from \$13,756,649.00 to \$15,383,455.00 - Financing: Wastewater Construction Fund

BACKGROUND

On August 28, 2019, City Council authorized a construction services contract with John Burns Construction Company of Texas, Inc. for the installation of water and wastewater mains at 14 locations by Resolution No. 19-1286. While investigating an odor complaint, Dallas Water Utilities (DWU) discovered a pipe failure and small sink hole in the Cottonwood Creek area near 11550 Forest Central Drive. During the site visit it was determined that the top of one of the two 48-inch diameter siphon pipes that cross Cottonwood Creek had failed, resulting in a cave-in and sink hole over the failure location.

In response, staff worked with a consulting engineer to assess methods to repair the siphon barrel and determined an open cut replacement of both 48-inch siphon barrels (50-100 feet on each pipe) is needed to address the failure. Due to the extent and difficulty of repair and the extensive bypass required to maintain wastewater service during the work, DWU determined a repair of the pipe is not within in-house capabilities. DWU approached two construction contractors, and only one was able to assist due to construction complexities. John Burns Construction Company submitted a final repair cost estimate of \$1,626,806 with supporting information on September 28, 2022. The estimate was reviewed and found to be a reasonable cost for the significance and difficulty of the work to be performed.

Since the issue was discovered, the size of the sink hole and amount of soil and material entering the siphon has increased. This has resulted in the complete failure of the pipe and is threatening the adjacent siphon pipeline and chamber which are currently the only means of conveying wastewater flow across Cottonwood Creek. Failure of the adjacent pipe would be catastrophic as it would result in an estimated sanitary sewer overflow of 15 to 20 million gallons a day into Cottonwood Creek and the adjacent White Rock Creek. Therefore, it is critical to immediately move forward with the repairs utilizing the capabilities of John Burns Construction.

ESTIMATED SCHEDULE OF PROJECT

Began Construction November 2019
 Complete Construction March 2023

PRIOR ACTION/REVIEW (COUNCIL, BOARDS, COMMISSIONS)

On August 28, 2019, City Council authorized construction services contract for the installation of water and wastewater mains at 14 locations by Resolution No. 19-1286.

FISCAL INFORMATION

Fund	FY 2023	FY 2024	Future Years
Wastewater Construction Fund	\$1,626,806.00	\$0.00	\$0.00

Construction	\$13,756,649.00
Change Order No. 1 (this action)	<u>\$ 1,626,806.00</u>
 Project Total	 \$15,383,455.00

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
\$1,626,806.00	Emergency Construction	N/A
M/WBE Subcontracting %	M/WBE Overall %	M/WBE Overall Participation \$
9.30%	9.30%	\$151,349.00
<ul style="list-style-type: none"> *This item reflects the previous Business Inclusion and Development Policy M/WBE goal. The Business Inclusion and Development Policy does not apply to Emergency Ratifications. Emergency Change Order No 1 - 23.99% Overall M/WBE participation John Burns Construction Company of Texas, Inc - Non-local; Workforce - 60.70% Local 		

OWNER

John Burns Construction Company of Texas, Inc.

David Jones, Vice President

MAP

Attached