



Recommendation for Water & Wastewater Commission

Commission Meeting Date:	June 8, 2016
Council Meeting Date:	June 23, 2016
Department:	Public Works
SUBJECT	
Authorize execution of Change Order #2 plus additional contingency to the construction contract with INSITUFORM TECHNOLOGIES, LLC for the Rehabilitation of Wastewater Lines Through Trenchless Process – EPA SAAP Grant project in the amount of \$559,777.28, for a total contract amount not to exceed \$5,167,239.28. (Districts 3 & 7)	
AMOUNT AND SOURCE OF FUNDING	
Funding is available in the Fiscal Year 2015-2016 Capital Budget of the Austin Water.	
Purchasing Language:	N/A
Prior Council Action:	December 11, 2014- Council approved a construction contract.
For More Information:	Connie Smith, 512-974-7274; Mike Russ, 512-972-2054; Lucy Thompson, 512-974-7967; Sarah Torchin, 512-974-7141; Denise Avery, 512-972-0104
Boards and Commission Action:	June 8, 2016- To be reviewed by the Water and Wastewater Commission.
MBE/WBE:	This contract was awarded in compliance with the requirements of 49 CFR Part 26 (Disadvantaged Business Enterprise Program) and Chapter 2-9A of the City Code (Minority Owned and Women Owned Business Enterprise Procurement Program) by meeting the goal with 10.85% DBE subcontractor participation.

This project involves complete rehabilitation of existing wastewater lines using the trenchless process known as Cured In-Place Pipe (CIPP). The CIPP rehabilitation work on this project includes approximately 2,028 linear feet of 36-inch diameter main; 3,531 linear feet of 42-inch diameter main; and 4,682 linear feet of 48-inch diameter main. The aging concrete pipelines are deteriorated due to corrosion from sewer gases. It is noted that this project included a grant of \$776,000 from the US Environmental Protection Agency. The Texas Water Development Board assists in processing the grant.

The work performed on this project includes two main locations generally identified as Shoal Creek and Williamson Creek due to the pipe's proximity to the two creeks. The Shoal Creek work is along Shoal Creek Blvd and extends from approximately 1,100 feet north of Allandale Road (FM 2222) southward to Hancock Drive. The Williamson Creek work is generally located along the bed and banks of Williamson Creek beginning at South Congress Avenue and continuing downstream to near I-35.

During construction, several items were identified that were unforeseen and required modifications to the contract to minimize impacts to the neighborhood and environment. These items included an alternative bypass pumping discharge location, length of pipe requiring CIPP, and additional restoration in park land. In order to significantly reduce lane closures on Shoal Creek Blvd, an alternative bypass route was longer than originally bid and required additional pavement restoration. The additional restoration efforts exceeded quantities in the original bid and were requested by PARD and WPD to restore areas disturbed during construction.

The second phase of the project, also in the creek, is underway. The condition of the pipe was assessed with a multi sensor platform which allowed the wall thickness to be measured. This assessment confirmed the necessity of lining the pipe and was an additional cost. The access to manholes in Williamson Creek is challenging and additional funds are required to provide access and perform restoration of the vegetated areas. The request for additional contingency will allow for the expeditious processing of change orders if additional unforeseen conditions are encountered.

This project is located within zip codes 78745 (District 3) and 78756 (District 7) and is managed by the Public Works Department.

Insituform Technologies, LLC, headquarters is located in Chesterfield, MO, and they have an office in Houston, TX.

AUTHORIZATION HISTORY

AMOUNT DATE – DESCRIPTION

\$4,332,821 12/11/14 (Council) -- Original construction contract

\$216,641 12/11/14 (Council) – 5% Contingency

\$58,000 12/11/14 (Total Administrative Authority)

\$559,777.28 6/23/15 Proposed (Council) – Change Order plus Additional Contingency

\$5,167,239.28 Total Contract Authorization

CONTRACT HISTORY

AMOUNT	DATE -- DESCRIPTION (CO% / CUMULATIVE CO%)
\$4,332,821	12/11/14-- Original construction contract
\$192,899.38	10/14/15-- CO #1 (Contingency)--Increased bid item quantities (CO 4.45% /CO 4.45%)
\$508,888.43	Proposed-- CO #2--Creek crossing design and construction, sonar tv (CO 11.75% /CO 16.20%)
\$5,034,608.81	Total Contract Expenditures 16.20% Cumulative Change Orders

MWBE Summary

Participation goals stated in the original approved compliance plan were 10.85% DBE subcontractor participation. The firm provided a DBE Compliance Plan which was approved by the Small and Minority Business Resources Department.

Additional authorization has been listed under the Prime firm as subcontractor utilization for the additional authorization has not been finalized. Once the assignment is made, and prior to issuance of a notice to proceed, the Prime firm will submit their subcontractor utilization plan that will demonstrate how they will use their approved subcontractors in accordance with the established procedures and the MBE/WBE Procurement Ordinance and Rules.

Participation for this change order:

NON DBE TOTAL – PRIME	\$98,949.59	19.44%
Insituform Technologies, LLC, Chesterfield, MO	\$98,949.59	19.44%
DBE TOTAL- SUBCONTRACTORS	\$235,210.96	46.22%
(MH) Environmental Safety Services, Inc. Dripping Springs, TX	\$30,150.91	5.92%
(FW) N-Line Traffic Maintenance, Austin, TX (traffic control)	\$75,164	14.77%
(FW) DFW Infrastructure, Inc., Ft Worth, TX (pipe cleaning & video)	\$83,895.56	16.49%
(MH) Briones Consulting and Engineering, San Antonio, TX	\$46,000.39	9.04%
NON DBE – SUBCONTRACTORS	\$174,727.88	34.34%
Aaron Concrete, Austin, TX (manhole takedown and renovation)	\$161,762.88	31.79%
Maverick Pump Services, Englewood, CO (sewer pumping services)	\$12,965	2.55%

**Overall participation based on contract expenditures as of March 28, 2016
(not including this change order):**

PRIME:

63.51% Non-DBE

SUBCONTRACTORS:

10.82% DBE and 25.68% Non-DBE

TOTAL:

10.82% DBE and 89.18% Non-DBE