



**Recommendation for Council Action
Water & Wastewater Commission**

Council Meeting Date:	September 17, 2015
Department:	Public Works
SUBJECT	
Authorize execution of change order #1 to the construction contract with AUSTIN FILTER SYSTEMS, INC. , for the Walnut Creek Influent Bank Stabilization-Site 5 project in the amount of \$236,400, for a total contract amount not to exceed \$1,182,002. (District 1)	
AMOUNT AND SOURCE OF FUNDING	
Funding in the amount of \$236,400 is available in the Fiscal Year 2014-2015 Capital Budget of Austin Water.	
FISCAL NOTE	
A fiscal note is attached.	
Purchasing Language:	N/A
Prior Council Action:	May 22, 2014- Council authorized the execution of a construction contract with Austin Filter Systems, Inc.
For More Information	Steve Parks, 512-974-3576; Lauren T. King , 512-972-0230; Lucy Bonee, 512-974-7967; Elizabeth Godfrey, 512-974-7141
Boards and Commission Action:	To be reviewed by Water and Wastewater Commission on September 9, 2015.
MBE/WBE:	17.04% MBE and 10.43% WBE subcontractor participation to date including this change order.

The Walnut Creek Wastewater Treatment Plant treats an average of 54 million gallons of sewage per day. Walnut Creek drains a large area of north and east Austin and passes through the property on which the treatment plant is located. The creek carries a significant amount of runoff during rain events and has caused severe erosion in the area near the wastewater treatment plant, threatening facilities. Over the last several years, measures have been taken through various projects to stabilize the creek banks and protect facilities at the treatment plant.

Austin Filter Systems, Inc. was awarded a contract to stabilize the banks of Walnut Creek where the creek meanders close to a 30-inch line that vents the Crosstown Tunnel and the 84-inch influent line that connect the treatment plant to the Crosstown Tunnel. Bank stabilization will be accomplished by reshaping the cross section of the creek and lining the bottom and lower banks of the creek with large diameter (24-inch) rock rip-rap. This method of stabilization has been used at four other sites along the creek and has proven safe, effective and environmentally friendly.

Since initiation of the contract, wet conditions and high flows in the creek have caused further erosion that resulted in exposing much of the 30-inch line adjacent to the creek. Additionally, flooding over the Memorial Day weekend caused erosion around the 84-inch influent line raising concerns for its stability. Approximately 16 feet of the concrete influent pipe was exposed to a point half way down the pipe. Unlike the 30-inch ductile iron pipe, the 84-inch concrete pipe has very little structural integrity once its supporting trench is removed. Failure of the 84-inch line would result in a major spill of wastewater into Walnut Creek. This change order is needed for additional materials and labor outside the original scope of work, to temporarily stabilize the pipes and prevent damage to them. This includes support for both the 30-inch pipeline and the 84-inch pipeline.

Additionally, modification of the landscaping plan is being made to plant the upper creek bank areas with seedling trees instead of saplings. The seedlings will be added in the fall after the initial vegetative cover has been established. It is important to complete the work while the weather is hot and dry and the flows in Walnut Creek are minimal.

This change order has been approved by the City's Change Control Committee. The Change Control Committee was established to comply with Council Resolution No. 20120126-048, which required the establishment of consistent criteria and process to evaluate contractual changes for all contracts administered by the Contract Management Department. The Change Control Committee is comprised of management-level subject matter experts.

This project is located within zip code 78724 (District 1) and is managed by the Public Works Department.

Austin Filter Systems, Inc. is located in Austin, Texas.

AUTHORIZATION HISTORY

<u>AMOUNT</u>	<u>DATE -- DESCRIPTION</u>
\$945,602	05/22/14 (Council) -- Original construction contract
\$47,280	05/22/14 (Council) -- 5% Contingency
\$57,000	05/22/14 (Total Administrative Authority)
<u>\$132,120</u>	<u>Proposed (Council) – Additional Authorization - Change Order #1</u>
\$1,182,002	Total Contract Authorization

CONTRACT HISTORY**AMOUNT DATE -- DESCRIPTION (CO% / CUMULATIVE CO%)**

\$945,602	05/22/14 -- Original construction contract
\$236,400	Proposed -- CO #1 (Contingency, Administrative Authority and Additional Authorization) – Repairs outside original scope (25.00%/25.00%)
\$1,182,002	Total Contract Expenditures
25.00%	Cumulative Change Orders

MWBE Summary

Participation goals stated in the original approved compliance plan were 13.70% African American; 4.73% Hispanic; 0.64% Native/Asian American; and 1.80% WBE. The firm provided an MBE/WBE Compliance Plan which was approved by the Small and Minority Business Resources Department.

Participation for this change order:

NON M/WBE TOTAL – PRIME	\$211,980	89.67%
Austin Filter Systems, Inc., Austin, TX	\$211,980	89.67%
MBE TOTAL – SUBCONTRACTORS	\$23,754	10.05%
African American Subtotal	\$23,754	10.05%
(MB) Avery's Lawn Care & Landscaping, Austin, TX (landscaping)	\$23,754	10.05%
WBE TOTAL – SUBCONTRACTORS	\$666	0.28%
(FW) PEK Inc., Service Line Transport, Weir, TX (hauling)	\$666	0.28%

Overall participation based on contract expenditures as of May 31, 2015 (not including this change order):

PRIME:

56.95% Non M/WBE

SUBCONTRACTORS:

2.27% African American; 12.22% Hispanic; 2.55% Native/Asian; 10.43% WBE; and 15.58% Non M/WBE

TOTAL:

2.27% African American; 12.22% Hispanic; 2.55% Native/Asian; 10.43% WBE; and 72.53% Non M/WBE



WALNUT CREEK
WASTEWATER
TREATMENT PLANT

SITE 5

WALNUT CREEK INFLUENT
BANK STABILIZATION - SITE 5