

DENVER BOARD OF WATER COMMISSIONERS

Board Item V-A-13

Meeting Date: March 10, 2010

**CHANGE ORDER NO. 3 WITH BT CONSTRUCTION, INC.
FOR THE REPLACEMENT OF CONDUIT NO. 94 IN 56TH AVENUE
CONTRACT 12307A**

Action by Consent

Action

Information

On July 22, 2009, the Board approved Contract 12307A in the amount of \$1,548,915.00 with BT Construction, Inc. for the Replacement of Conduit No. 94 in 56th Ave from I-25 to Washington Street. The work includes removal of 2,300 linear feet of 66-inch prestressed concrete cylinder pipe and the installation of 2,300 feet of 72-inch steel pipe.

Change Order No. 3 contains various modifications to the contract as described below:

- Provide water storage tanks to collect and treat groundwater discharge and additional groundwater testing required by CDHPE due to historical contaminants recorded through previous projects in the area.
- Additional manhole riser sections were required to bring a manhole to grade.
- Additional traffic control devices and message boards were used to inform the community of traffic impacts related to the project. The additional traffic control devices were agreed to be provided through a meeting with local business owners and Adams County.
- Additional work to review and replace an unknown concrete kickblock connected to adjacent pipeline.
- Additional work to remove the existing prestressed concrete cylinder pipe in the area crossing Washington Street. Once excavated, it was discovered that the pipe was tied together more substantially than expected.
- Additional work and material to change out a flange on the pipe. The plans called for a different type of flange connection than existed in the field.
- Provide recycled crushed concrete in the unpaved street areas and street sweeping in paved areas to alleviate concerns with vehicle tracking related to Adams County's Storm Water Management Program.
- Provide hotel stays for several residents directly affected by night time construction noise. The night shift of construction was not a part of the original contract.

The total cost for Change Order No. 3 is \$165,670.45.

The 2010 Capital Improvement Plan (MPC 1DD0101) includes only a portion of the funds for this additional work and a variance will be required. The additional funds required will be transferred from MPC 2HA0278 Einfeldt Decentralization Station and the total 2010 Capital Improvement Plan will not increase due to this transfer. *The Minority and Women Business Enterprise (MWBE) goal for this project has been established as 8% participation of the total project amount. BT Construction, Inc. achieved 8.25% MWBE participation.*

RECOMMENDATION

It is recommended that the Board approve Change Order No. 3 to Contract 12307A with BT Construction, Inc. in the amount of \$165,670.45, bringing the total contract amount to \$1,750,658.59.

Budget Considerations

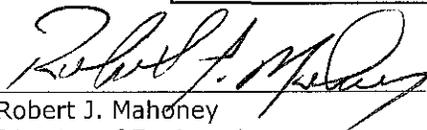
Master Plan Code(s): 1DD0101

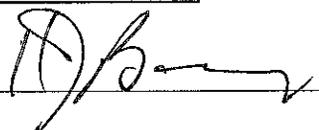
- Budgeted Item Unbudgeted Item • Funds transferred from another project: 2HA0278

Budget Information

2010 Budget	\$100,000.00
Transfer In	\$457,975.45
Revised 2010 Budget	\$557,975.45
Amount Requested This Item	\$165,670.45
YTD Expenditures	\$92,305.00
Additional Expenditures Anticipated	\$300,000.00
Revised 2010 Estimate	\$557,975.45
Variance Required	\$.00

Approvals:


Robert J. Mahoney
Director of Engineering


Manager