

DENVER BOARD OF WATER COMMISSIONERS

Meeting Date: March 9, 2011

Board Item: V-A-9

**(CONDUIT NO. 65 REPLACEMENT AND PUMP STATION TIE-IN IMPROVEMENTS)
AMENDMENT NO. 2
WITH BT CONSTRUCTION, INC.
FOR SOUTH BOULDER DIVERSION CONDUIT
SIPHON NO. 5 REPLACEMENT
CONTRACT 12815A**

Action by Consent

Action

Information

Amendment No. 2 is for work to replace a 16-foot section of 24-inch diameter concrete pipe with steel pipe on Conduit No. 65 including a new pump station connection and a distribution piping connection. The work also involves installation of an electrical trench across W. Yale Ave. to accommodate a new electrical service feed to Lamar Pump Station. *The condition of the pump station connection at Conduit 65 was unknown at the time the Pump Station Renovations Contract was awarded and was discovered when the Contractor excavated the exterior piping.* The amount of the Amendment is \$131,900.00.

This work is necessary for the completion of the Lamar Pump Station Contract prior to the 2011 load season. Originally, a quote of \$391,346 was received from the Contractor working on the pump station. Engineering staff thought this quote was too high and determined that the Contractor did not have competent knowledge or skill base required to work on this type of piping. Due to the short window for construction and the need to mobilize quickly, proposals were solicited and received from 4 qualified contractors, currently under contract. The low proposal was submitted by BT Construction, Inc. in the amount of \$125,100. An additional \$15,000 is requested to cover a second mobilization required to install the electrical trench prior to the work on Conduit No. 65 to mitigate coordination issues between Xcel Energy and Denver Water. The Engineer's Estimate for the work was \$160,000.00.

Amendment No. 2, in the amount of \$131,900.00, will be added to BT Construction, Inc.'s contract for the South Boulder Diversion Conduit Siphon No. 5 Replacement for a total amount of \$3,452,780.00. The original project scope included demolition and installation of approximately 2,925 linear feet of 84-inch steel pipe including two new blowoff structures and a vehicle bridge. Some of the funds for this project were spent in 2010. The two projects are not related.

The 2011 Capital Improvement Plan (CIP) (MPC 2AA0810) does not include sufficient funds for this work. Although Amendment No. 2 will require a variance to the 2011 CIP, Denver Water realized a savings of 65% or approximately \$260,000 less by utilizing a competitive proposal process.

RECOMMENDATION

It is recommended the Board approve Amendment No. 2 to Contract 12815A in the amount of \$131,900.00 to BT Construction, Inc.

Budget Considerations

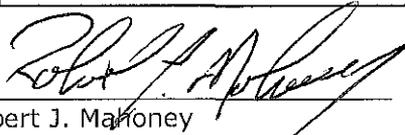
Master Plan Code(s): 2AA0810

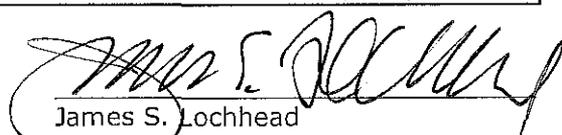
Budgeted Item Unbudgeted Item Funds transferred from another project:

Budget Information

2011 Budget	\$685,370.00
Amount Requested This Item	\$131,900.00
YTD Expenditures	\$487,890.93
Additional Expenditures Anticipated	\$258,749.07
Revised 2011 Estimate	\$878,540.00
Amendment No. 1 – Previously Variance Required	\$61,270.00
Amendment No. 2 – Variance Required	\$131,900.00

Approvals:


Robert J. Mahoney
Director of Engineering


James S. Lochhead
CEO/Manager