

DENVER BOARD OF WATER COMMISSIONERS

Meeting Date: March 14, 2012

Board Item: *VE2*

**Ratification of Amendment No. 2 with T. Lowell Construction, Inc.
for the Conduit No. 13 Internal Joint Seals
Contract 13577A**

Action by Consent

Action

Information

Amendment No. 2 is in response to an emergency on the transmission system. During the week of March 5th, a leak developed on Conduit No. 18, a 54-inch reinforced concrete cylinder pipe (RCCP). This type of RCCP has a known history of leaking at the joints. The joint leak must be sealed/repared and the conduit returned to service by April 1st.

The work to be completed under this amendment includes furnishing and installing 76 internal joint seals. Gaining temporary access in the conduit to seal this leak requires an uncommon level of effort. Therefore, DW Engineering recommends the temporary access is fully utilized and seals are installed on an expanded portion (approximately 1,200-feet) of the conduit in the area near the leak. The seals will extend the service life of the conduit and reduce the likelihood of future leaks.



Figure 1. Leak Visible at Surface

The original project scope for Contract 13577A included the installation of 3,250 internal joint seals in Conduit No. 13 (a 60-inch RCCP). T. Lowell Construction, Inc. was awarded Contract 13577A through a competitive process and the amendment work will be completed at the competitive unit cost of the original project scope.

The total cost for Amendment No. 2 is \$74,961.00. The Conduit 13 Seals (MPC 4DD0013) does not include sufficient funds for this amendment. Funds in the amount of \$75,000.00 will be transferred from 2DD0094 Conduit Improvement Program to offset the additional amount.

Recommendation:

It is recommended that the Board ratify Amendment No. 2 to Contract 13577A to T. Lowell Construction, Inc. in the amount of \$74,961.00.

Budget Considerations

Master Plan Code(s): 4DD0013

Budgeted Item Unbudgeted Item Funds transferred from another project: 2DD0094

Budget Information

| | |
|-------------------------------------|-----------------|
| 2012 Budget | \$ 2,080,858.00 |
| Transfer In | \$ 75,000.00 |
| Revised 2012 Budget | \$ 2,155,858.00 |
| Amount Requested This Item | \$ 74,961.00 |
| YTD Expenditures | \$ 1,696,565.00 |
| Additional Expenditures Anticipated | \$ 384,332.00 |
| Revised 2012 Estimate | \$ 2,115,858.00 |
| Variance Required | \$ 0.00 |

Approvals:

Respectfully submitted,

Robert J. Mahoney
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Director of Engineering

James S. Lochhead
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