

Meeting Date: July 27, 2011

**CHANGE ORDER NO. 4 WITH CONCRETE WORKS OF COLORADO, INC. TO FURNISH AND
INSTALL CONDUIT NO. 74, 36-INCH AND 42-INCH WATER PIPELINES AND 12-INCH AND
16-INCH MAINS IN SMITH ROAD NEAR HAVANA STREET
CONTRACT 12953A**

 Action by Consent Action Information

On December 8, 2010, the Board approved Contract 12953A in the amount of \$2,073,456.45 to Concrete Works of Colorado, Inc. for construction of Conduit No. 74, 36-inch and 42-inch water pipelines, and 12-inch and 16-inch mains in Smith Road near Havana Street. The project consists of furnishing and installing approximately 2,100 linear feet of conduit piping, 1,100 linear feet of distribution mains, installation of various appurtenant structures, and a cast-in-place concrete valve vault.

Change Order No. 1 provided for the addition of grout backfill of abandoned facilities as required by Union Pacific Railroad (UPRR). Change Order No. 2 provided for the installation of a bored pipe casing under existing petroleum lines as required by ConocoPhillips. Change Order No. 3 provided for the installation of a paved temporary detour per the City and County of Denver (CCD).

Change Order No. 4 contains modifications to the contract as described below:

- Extended UPRR Right-of-Entry Permit approval, temporary backfill and paving of the pipeline, and extended expenses that were incurred during the delay period
- ConocoPhillips petroleum line spacing was farther apart than the utility locates depicted and an additional 15 feet of casing was required to meet the clearance requirements
- A 63-day extension of the time required to complete the installation of piping and the valve vault due to permit delays, added pipe boring work, and inclement weather prior to June 25, 2011

The total cost for Change Order No. 4 is \$64,065.64. The Capital Improvement Plan (MPC 2DD0277) does not include sufficient funds for this change order. The budget will need to be assessed for a future variance in 2011 to cover other projects included under MPC 2DD0277. Unused funds in the amount of \$64,065.64 from MPC 4AM0002 will be used to supplement this project.

RECOMMENDATION

It is recommended that the Board approve Change Order No. 4 to Contract 12953A with Concrete Works of Colorado to Furnish and Install Conduit No. 74, 36-Inch and 42-Inch Water Pipelines, and 12-Inch and 16-Inch Mains in Smith Road near Havana Street in the amount of \$64,065.64.

Budget Considerations

Master Plan Code(s): 2DD0277

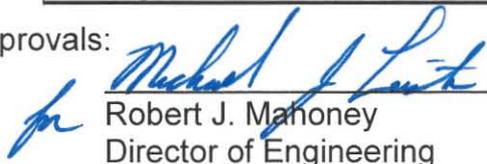
 Budgeted Item Unbudgeted Item

● Funds transferred from another project: 4AM0002

Budget Information

2011 Budget	\$ 2,460,772.00
Amount Requested This Item	\$ 64,065.64
YTD Expenditures	\$ 2,288,241.00
Additional Expenditures Anticipated	\$ 431,188.62
Revised 2011 Estimate	\$ 2,783,495.26
Change Order No. 1 – Previous Variance Approved March 9, 2011	\$ 70,631.88
Change Order No. 2 – Variance Approved April 13, 2011	\$ 59,648.66
Change Order No. 3 – Variance Required	\$ 128,377.08
Change Order No. 4 - Variance Required	\$ 64,065.64

Approvals:


for Robert J. Mahoney
Director of Engineering


James S. Lochhead
CEO/Manager