

DENVER BOARD OF WATER COMMISSIONERS

Board Item: V-A- 8

Meeting Date: August 14, 2013

**Change Order No. 2 with Archer Western Construction, LLC for the
Platte Canyon Reservoir Spillway Modification
Contract 12915A**

Action by Consent

Action

Information

On May 9, 2012, the Board approved Contract 12915A in the amount of \$3,248,170.00 with Archer Western Construction, LLC for Platte Canyon Reservoir Spillway Modification Project. The project scope included removal and replacement of the existing spillway and chute with a new labyrinth weir spillway, chute, and baffled energy dissipation outfall. The spillway replacement addressed the State Engineer Office's determination that the spillway was deficient to pass the design flood. Ancillary work that was completed as part of the project included construction of an access bridge over the spillway chute, removal and replacement of a portion of Conduit No. 8, and demolition of an abandoned structure requiring a breach and replacement of a section of the embankment.

The total value of Change Order No. 2 is \$110,648.96. This final reconciliation Change Order No. 2 includes the deletion of handrail along the spillway wall, addition of work in the bypass channel for the Highline Canal, and the reconciliation of final quantities as measured in the field. A change to reduce the fill on the west wall was issued due to the steepness of the side slope and difficulties for compaction. This steep topography was not evident during design due to vegetation that was present when the aerial survey was obtained. This change required hauling additional waste material off-site, but facilitated the deletion of handrail. At the High Line Canal bypass, additional work was performed to create a stable tie-in point for the new concrete to the existing canal because the existing 100-year old concrete did not have reinforcing as expected. A request for additional time was requested due to the safety and inability to complete earthwork in wet conditions resulting from several storms, each with several inches of snow that occurred on a regular basis between late March and the end of April.

The Minority and Women Business Enterprise (MWBE) goal established for this construction project was 5% participation. Archer Western Construction, LLC achieved 7.38% MWBE participation.

The 2013 Capital Improvement Plan (MPC 2AA0262) does not include sufficient funds for this project. Unused funds in the amount of \$240,000.00 from MPC 2DD0100 Specialized Main Improvements will be used to offset the lack of 2013 funds (MPC 2DD0100 has been delayed due to unanticipated soil conditions).

Recommendation

It is recommended that the Board approve Change Order No. 2 to 12915A to Archer Western LLC for the Platte Canyon Reservoir Spillway Modification in the amount of \$110,648.96.

Budget Considerations

Master Plan Code(s):

2AA0262

Budgeted Item

Unbudgeted Item

Funds transferred from another project: 2DD0100

Budget Information

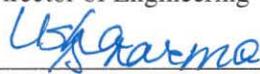
2013 Budget	\$ 1,369,518.00
Additional Funds Transferred In	\$ 240,000.00
Revised 2013 Budget	\$ 1,609,518.00
Amount Requested This Item	\$ 110,648.96
YTD Expenditures	\$ 1,298,340.00
Additional Expenditures Anticipated	\$ 200,529.04
Revised 2013 Estimate	\$ 1,609,518.00
Variance Required	\$ 0.00

Approvals:

Respectfully submitted,


Robert J. Mahoney
Director of Engineering


James S. Lochhead
CEO/Manager

for 
Angela Bricmont
Director of Finance


Terri Bryant, CPA
Controller