

Denver Board of Water Commissioners

Title:

Change Order No. 1 for the Construction of Cat Pump Station and Miller Reservoir and Dam Electrical and Control Work

Meeting Date: 2/11/2009

Contract/Proposal: 11557A

Action by Consent

Action

Information

On September 15, 2008, the Board awarded Contract 11557A to Aslan Construction to Construct Cat Pump Station and Miller Reservoir and Dam Electrical and Control Work. The project on the Cat Reservoir side generally includes construction of a pump station, intake pipeline, outfall pipeline, grading of the reservoir bottom, and a 1,500 foot extension of the interconnect pipeline.

Due to geologic uncertainties in the bedrock, the final reservoir bottom grade was not established prior to bidding. The actual bottom grade would have resulted in a large dip in the pipeline profile that would have created maintenance problems. An earth berm was constructed to keep the pipeline flat. Additionally, during the berm construction, a soft area on the bottom had to be removed and a drain pipe was added. The total change order cost for these unknowns is \$108,266.00.

The Contractor was directed to change the specified coating from epoxy to cement-mortar to obtain a better project for Denver Water. Additionally, the overall length of the pipeline was shortened for a credit of \$2,569.00.

The Contract Documents also called for base course surfacing of an existing ramp to function as boat access. It was decided to construct a different boat ramp under separate contract, so this work was deleted for a credit of \$700.00.

The 2009 Capital Budget (MPC 1AL0226) includes \$2,290,193.00 in funds for this project. We forecasted the Contractor to bill us for roughly \$1,500,000 in 2008 but only \$884,162.00 for this contract was billed. The delayed construction work and the additional Change Order necessitate a transfer of funds. \$500,000.00 in funds from the New Automated Meter Reading Vehicle Garage at West Side (MPC 1HA0005) will be used to fund this project.

A 5% MWBE Goal was set for this Project. Aslan Construction achieved 6.22% MWBE participation.

The total of Change Order No. 1 is \$109,368.00 or approximately 3.2% of the original contract price of \$3,426,720.00.

RECOMMENDATION

It is recommended that the Board authorize Change Order No. 1 for additional costs associated with Construct Cat Pump Station and Miller Reservoir and Dam Electrical and Control Work in the amount of \$109,368, in accordance with Contract 11557A.

Budget Considerations


Master Plan Code(s) 1AL0226

Budgeted Item Unbudgeted Item Funds transferred from another project: 1HA0005

Budget Variance

2008/2009 Budget	2,290,193.00
Transfer In	500,000.00
Revised 2009 Budget	2,790,193.00
Amount Requested This Item	109,368.00
YTD Expenditures	884,162.00
Additional Expenditures Anticipated	1,796,663.00
Revised 2009 Estimate	2,790,193.00
Variance Required	0.00

Approvals:


Robert J. Mahoney
Director of Engineering


Manager Approval