

DENVER BOARD OF WATER COMMISSIONERS

Meeting Date: January 12, 2011

Board Item: V-E-2

**FIRST AMENDMENT TO AGREEMENT WITH  
BATES ENGINEERING, INC. FOR THE  
DESIGN OF LONE TREE BASIN NO. 2  
AGREEMENT 12856A**

Action by Consent

Action

Information

On February 10, 2010, the Board entered into Agreement 12856A with Bates Engineering Incorporated for the design of Lone Tree Basin No. 2. The work included both an initial feasibility analysis including optimum tank configuration and the design of an underground, post tensioned concrete reservoir.

Initially, it was assumed that the City of Lone Tree's required Site Improvement Plan (SIP) could be combined with the Lone Tree backup generator project that was already underway in order to gain efficiencies. However, complications in the permitting process involving construction access routes and whether the tank roof could be buried or exposed did not allow anticipated efficiencies to be realized. As a result, preparation and submittal of the SIP package for Basin No. 2 needs to be added to this contract.

During initial discussions with Denver Water, the City of Lone Tree recommended that excess excavation from the Basin No. 2 project be used to re-grade the adjacent Open Space park. Although presented as a means to reduce traffic, this option would result in a cost savings of approximately \$250,000 to Denver Water by significantly reducing offsite trucking. Additional design work was required to investigate this option, from producing grading options to developing the final grading, drainage, erosion control and trail design. The City also requested alternative construction access routes be analyzed and considered.

This First Amendment to Agreement 12856A for the amount of \$62,078.81 includes the costs for the additional design work and assistance with the permitting process.

Sufficient funds for the Agreement are included in the 2011 Capital Improvement Plan (MPC IDB0050).

**RECOMMENDATION**

It is recommended the Board approve First Amendment to Agreement 12856A to Bates Engineering Incorporated for the Lone Tree Basin No. 2 Project in the amount of \$62,078.81 bringing the total agreement amount to \$332,872.81

**Budget Considerations**

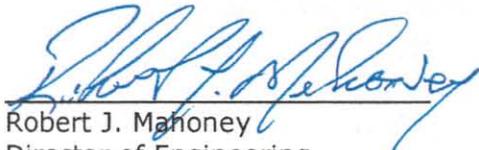
Master Plan Code(s): 1DB0050

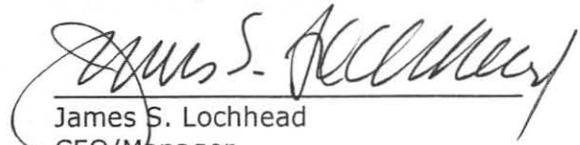
● Budgeted Item ○ Unbudgeted Item ○ Funds transferred from another project:

**Budget Information**

2011 Budget	\$ 6,475,787.00
Amount Requested This Item	\$62,078.81
YTD Expenditures	\$0.00
Additional Anticipated Expenditures	\$6,413,708.19
Revised 2011 Budget	\$6,475,787.00
Variance Required	\$0.00

**Approvals:**

  
Robert J. Mahoney  
Director of Engineering

  
James S. Lochhead  
CEO/Manager

  
Patricia L. Wells  
General Counsel