

DENVER BOARD OF WATER COMMISSIONERS

Meeting Date: April 10, 2013

Board Item: V-A-12

**Agreement with Dewberry-HDR (a Joint Venture)  
for Engineering Design Services of The Ralston/Moffat Delivery System:  
Conduit No. 16 Replacement and Conduit No. 22 Abandonment  
Agreement 14978A**

Action by Consent                       Action                       Information

On December 18, 2012 a Memorandum was submitted by the Director of Engineering notifying the Board and Manager/CEO of DW Engineering's Quality Based Selection plan to award the Conduit No. 16 Replacement and Conduit No. 22 Abandonment design contract (attached). The Board provided concurrence with the proposed selection and contracting method.

In early 2013, Denver Water Staff negotiated with Dewberry-HDR (a Joint Venture) through several revisions of the proposal Work Breakdown Structure and Fee Schedule to provide value engineering, identify cost savings items, and assure a comprehensive design approach. On March 29, 2013 a final proposal was received by the JV for the Engineering Design Services of Conduit No. 16 Replacement and Conduit No. 22 Abandonment in the amount of \$5,526,992.00.

The JV will provide design deliverables in 4 Bid Packages for the following work:

- Tunnels Segment (Tunnel crossings at State Highways 58 & 93, I-70, and BNSF Railroad)
- West Segment (15,800 feet of Pipeline through relatively open terrain between Ralston & Van Bibber)
- Central Segment (22,400 feet of Pipeline through variable-density suburban land)
- East Segment (6,800 feet of Pipeline through highly constrained residential Lakewood jurisdiction)

The Separate Bid Packages will allow Engineering to react to Capital Budget and Financial constraints and release construction contracts accordingly.

Contingencies: In addition, Staff will request approval of a contingency fund of \$300,000.00 to be administered by Staff. Use of the contingency fund will be reported back to the Board. Although staff-administered contingency is atypical for design contracts, the unique complexities of this design warrant approved contingencies to address unknowns and unforeseen conditions.

*Staff encouraged the JV to add select MWBE firms to the design team that would fulfill critical work efforts and provide quality components to the design. The JV has achieved a 5% MWBE participation for this contract and has shown good faith outreach on including MWBE firms for design.*

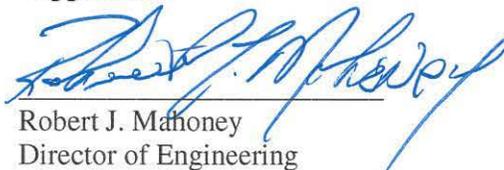
The 2013 Capital Improvement Plan (MPC 1AJ0007) includes sufficient funds for this project for the amount to be expended in 2013 (\$2,061,258.00). The design will carry over into 2014 and through the middle of 2015, and the remainder of the agreement will be budgeted and expended in those calendar years.

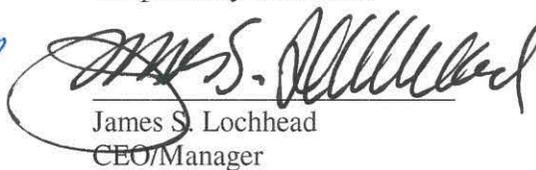
Recommendation:

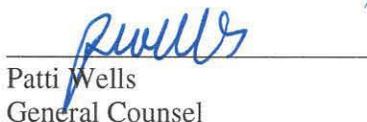
It is recommended the Board award Agreement 14978A to Dewberry-HDR (a Joint Venture) for Engineering Design Services of the Conduit No. 16 Replacement and Conduit No. 22 Abandonment in the amount of \$5,526,992.00 and authorize a \$300,000.00 staff-administered contingency.

**Approvals:**

Respectfully submitted,

  
Robert J. Mahoney  
Director of Engineering

  
James S. Lochhead  
CEO/Manager

  
Patti Wells  
General Counsel