

Denver Board of Water Commissioners

Title:

Agreement with Carollo Engineers, PC for Engineering Services associated with the Replacement of Disinfection Equipment at the Marston Treatment Plant

Meeting Date: 2/11/2009

Contract/Proposal: 12160A

Action by Consent

Action

Information

This project addresses 22-year old disinfection equipment. Disinfection equipment is critical to water production. The project described here is a planned replacement of disinfection feed equipment to coincide with a scheduled 4 month outage of the disinfection contact basin during the fall of 2009. Additionally, manufacturer deficiencies in the injector equipment will be resolved through the selection and installation of equipment manufactured by a preferred vendor.

Disinfection feed equipment and the building spaces surrounding them are regulated by building and fire codes due to toxic gas characteristics and life-safety issues. The design of the replacement equipment is anticipated to require approval of local building and fire officials and comprehensive process, mechanical, structural, electrical, and instrumentation drawings. The scope of design services includes a review of potential code issues and project scope may be adjusted to balance code impacts or required code changes.

Staff solicited proposals for the design effort from five qualified consulting firms to provide for a qualification based selection. Proposals were received from four of the five firms and then reviewed by a selection committee of appropriate Denver Water personnel. It was decided by the committee that Carollo Engineers, PC provided Denver Water a strong design team and had the best response to the request for proposal (RFP).

An agreement has been negotiated with Carollo Engineers to provide design services in the amount of \$153,899.00. The 2009 Operation and Maintenance Budget (MPC 2CEO520) includes \$811,943.00 for this project.

An SMWBE Goal was encouraged in the RFP but not established. SMWBE participation is most likely to be achieved through use of a specialty subcontractor or material supplier during construction.

RECOMMENDATION

It is recommended that the Board authorize Agreement 12160A with Carollo Engineers, PC for engineering services associated with the replacement of disinfection equipment at the Marston Treatment Plant in the amount of \$153,899.00 for work in 2009. We anticipate a future amendment for construction management services most likely to commence in late 2009, perhaps extending into 2010.

Budget Considerations

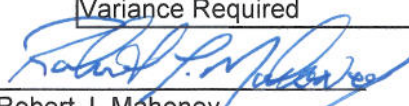
Master Plan Code(s) 2CE0520

Budgeted Item Unbudgeted Item Funds transferred from another project: _____

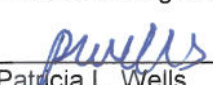
Budget Variance

2009 Budget	811,943.00
Amount Requested This Item	153,899.00
YTD Expenditures	769.00
Additional Expenditures Anticipated	657,275.00
Revised 2009 Estimate	811,943.00
Variance Required	0.00

Approvals:


Robert J. Mahoney
Director of Engineering


Manager Approval


Patricia L. Wells
General Counsel