

DENVER BOARD OF WATER COMMISSIONERS

Meeting Date: October 14, 2009

Information Item: VI-B-2

CHEESMAN DAM UPSTREAM CONTROL PROJECT – PHASE I CONTRACT 11577A

Action by Consent

Action

Information

On September 23, 2009, proposals were received for the Cheesman Dam Upstream Control Project – Phase I. The project consists of installation of three new upstream slide gates and trashracks at the tunnel intakes, a new control building on the dam abutment, and new electrical and control upgrades throughout the facility.

Two proposals were received with the low proposal being submitted by Global Diving & Salvage, Inc. of Seattle, Washington, in the amount of \$12,736,904.00. The Engineer's Estimate for the work was \$10,934,149. Contractor and Denver Water negotiations are underway to evaluate the project approach and cost.

The project is a unique endeavor, as it is large capital improvement project taking place in an underwater environment. The slide gate and trashrack installations compose a majority of the project and will be accomplished by specialized underwater construction techniques and diving operations. Only a select handful of organizations throughout the nation have the ability to travel inland with the specialized equipment required for underwater construction work. The depth of the required diving and the altitude at the site offer additional complexities. Further, Denver Water's design of the new improvements is based on historical survey information from the late 1890's and early 1900's updated by recent underwater survey information. This data may present construction/design issues during construction.

Completion of this project will assist in mitigating Hayman Fire sediments; provide upstream control at the facility increasing operator safety, dam safety, and operation risk, and provide an upgraded electrical and control system throughout the site.

The Minority and Women Business Enterprise (MWBE) goal for this project has been established as 5% participation of the Phase 1A portion of the project. Global Diving & Salvage, Inc. proposed 11.3% MWBE participation in their original proposal.

RECOMMENDATION

Following final proposal review and contract negotiation, Board approval for this construction contract will be requested at the October 28th Board Meeting.

Approvals:


Robert J. Mahoney
Director of Engineering



Manager Approval