



Item: Construction Contract Award: Water Treatment Plant Headhouse Floor Replacement, O. F. 1332.6

From: Engineering Division

Initiated By: Public Works Department

Presented By: Jim Rearden, Public Works Director

Action Requested: Consider Bids and Approve Contract

Suggested Motion:

1. Commissioner moves:

"I move the City Commission award a contract in the amount of \$544,450 to Dick Anderson Construction, Inc. for the Water Treatment Plant Headhouse Floor Replacement, O.F. 1332.6, and authorize the City Manager to execute the construction contract documents."

2. Mayor calls for a second, discussion, inquiries from the public, and calls for the vote.

Staff Recommendation: Approve construction contract award.

Background:

Significant Impacts

This project will replace the concrete floor in the Water Plant's headhouse and construct a secondary containment system for the plant's four alum chemical tanks.

Citizen Participation

Not applicable

Workload Impacts

Thomas, Dean & Hoskins, Inc. (TDH) completed the project design and will perform construction inspection and contract administration duties. City engineering and water treatment plant staff will assist with project administration duties.

Purpose

This is one of a series of projects to construct operational improvements at the Water Plant and handle needed maintenance. During a previous construction project, the concrete floor in the Water Plant's headhouse was found to be in very poor condition. An initial attempt to chip away the deteriorated surface and then install a new concrete surface found that the entire depth of the floor was structurally unsound. The headhouse contains one of the plant's four alum tanks used for water treatment and various electrical equipment needed for plant operations. Under an engineering contract TDH evaluated the floor and determined that total replacement would be the best option. Once replaced, this area will be usable again for storage and resolve future safety and structural problems. Along with the new floor, a secondary containment system will be installed. This containment system will protect against any chemical leaks or spills from the four alum tanks located on the upper floor of the headhouse. This containment is a Montana Department of Environmental Quality (DEQ) requirement.

Project Work Scope

Approximately 1600 square feet of existing 8-inch thick reinforced concrete flooring will be demolished along with the supporting beams, and a new 8-inch floor with support beams will be poured back. All this work will need to be completed while keeping all Water Plant operations up and running. This work will be completed in the winter months due to lower water demands during this time. The secondary containment system will install a water proof curb around all four alum chemical tanks in the headhouse and connect to a drain that feeds to a new overflow tank located outside of the headhouse.

Evaluation and Selection Process

Two bids were received and opened for this project on October 22, 2008. The bids ranged from \$544,450 to \$572,000. The engineer's estimate was \$420,000. The difference between the engineer's estimate and the actual bids is due to the high amount of risk and the uncertainties the contractor has to assume with this project which include; condition of the 92 year old concrete, rebar and surrounding building, level of difficulty in protecting and temporarily relocating piping and electrical wiring, and keeping demolition dust and debris contained. Estimating a dollar value to place on these risks is difficult. However, since both bids received were similar in dollar amount, it is believed that this is the fair market value for this construction project. Dick Anderson Construction, Inc. submitted the low bid and has executed all the necessary documents. Dick Anderson Construction, Inc. is an established and responsible contractor.

Conclusion

TDH recommends and City staff concurs in awarding the construction contract to Dick Anderson Construction, Inc. in the amount of \$544,450.

Concurrences:

Not Applicable.

Fiscal Impact:

The attached bid tabulation summarizes bids that were received. This project will be funded through Water Capital Funds.

Alternatives:

The City Commission could vote to deny award of the construction contract.

Attachments/Exhibits:

1. Bid tabulation is attached.

CITY OF GREAT FALLS
 P.O. BOX 5021
 GREAT FALLS, MT 59403

BID TABULATION SUMMARY
 Water Treatment Plant Headhouse Floor Replacement
 O.F. 1332.6

Project Number _____
 Bids Taken at Civic Center
 Date: Oct. 22, 2008
 Tabulated By: TD&H

	Name & Address of Bidder	Acknowledge Addendum #1	Acknowledge Addendum #2	10% Bid Security	Affidavit of Non-Collusion	Certificate of Non-Segregated Facilities	Certificate of Compliance with Insurance Req.	Total Bid
1	James Talcott Construction 4415 River Drive N Great Falls, MT	√		√	√	√	√	\$572,000.00
2	Dick Anderson Construction 4610 TriHill Frontage Road Great Falls, MT	√		√	√	√	√	\$544,450.00
3								
4								
5								
6								
7								
8								
9								
10	Engineer's Estimate							\$420,000.00