



Agenda # 12
Commission Meeting Date:
May 7, 2013

**CITY OF GREAT FALLS
COMMISSION AGENDA REPORT**

Item: Construction Contract Award: Wastewater Treatment Plant Disinfection and Ammonia Removal Improvements, O.F. 1633.0

From: Engineering Division

Initiated By: Public Works Department

Presented By: Jim Rearden, Public Works Director

Action Requested: Consider Bids and Award Construction Contract

Suggested Motion:

1. Commissioner moves:

“I move the City Commission award a contract in the amount of \$14,346,582.00 to Swank Enterprises for the Wastewater Treatment Plant Disinfection and Ammonia Removal Improvements, O. F. 1633.0, and authorize the City Manager to execute the agreements.”

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

Staff Recommendation: Approve construction contract award.

Background:

Significant Impacts

Major improvements to the Wastewater Treatment Plant need to be implemented to meet new permit limits.

Workload Impacts

HDR, along with its partner firm Morrison Maierle, Inc. (MMI), has completed designs on upgrades required to be completed at the Wastewater Treatment Plant to meet the new Montana Department of Environmental Quality (DEQ) permit requirements, and are providing bidding, construction inspection, and administrative services. City engineering and treatment staff, along with Veolia staff are assisting with project review and administration duties.

Purpose

Due to new outfall limits for treated wastewater that have been imposed by the DEQ, the existing plant will not be able to meet permit requirements that go into effect in November of 2014. Sampling shows limits for ammonia and chlorine currently exceed

what will be required. Flow monitoring and improvements to limit bypassing to the river during rain events will also be implemented to meet permit requirements.

Project Work Scope

This project will incorporate three main improvements at the Wastewater Treatment Plant. The first improvement involves upgrading the existing treatment process to an ammonia removal process. The four aeration basins currently located at the plant will be converted into two bioreactors and an additional bioreactor will be built east of the main plant. Turbo blower equipment will be installed to provide oxygen to the system and will replace the aged surface aerators. The turbo blowers will be placed in an extension of the main pipe tunnel located under the plant. The second improvement will remove the existing gaseous chlorine disinfection system and replace it with an Ultraviolet (UV) disinfection system. This will eliminate the need to dechlorinate to meet the new permit requirements. The third and final improvement involves placing new flow metering devices in several areas of the plant to better monitor and report flows coming in and going out of the plant to meet permit requirements. Existing piping that bypasses the secondary treatment process and goes to the chlorine contact basins will be plugged and eliminated as part of the permit requirements as well.

Evaluation and Selection Process

Seven bids were received and opened for this project on April 24, 2013. The base bids ranged from \$13,476,582.00 to \$15,148,000.00. Swank Enterprises submitted the low bid and executed all the necessary bid documents. Two additive bid items were accepted based on value. This brings the final bid total for Swank Enterprises to \$14,346,582.00.

Conclusion

City staff, along with the concurrence of HDR, recommends awarding the construction contract to Swank Enterprises in the amount of \$14,346,582.00.

Fiscal Impact:

The attached bid tabulation summarizes bids that were received. This project will be funded through Sewer Capital Funds and a State Revolving Fund (SRF) loan. The Sewer Capital Funds will fund approximately \$1,692,982.00 of the project. The SRF loan will fund the remaining \$12,653,600.00. The SRF loan application is currently pending approval by the DEQ contingent on the execution of the contract documents by the contractor.

Alternatives:

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

Attachments/Exhibits:

1. Bid tabulation is attached.

Bid No.	Time Received (PM) 4/24/2013	BIDDER	Bid Item 1 - Base Construction \$	Bid Item 2 - Existing Tank Rehabilitation and Repair \$	Bid Item 3 - Existing Tank Construction Joint Rehabilitation and Repair \$	Basis of Award (Bid Items 1, 2, and 3) \$	Bid Item 4 - Final Clarifier No. 4 \$	Bid Item 5 - Existing Pipe Gallery Flow Meter Spool Removal \$	Bid Items 1, 2, 3, 4 and 5	Complete Bid Form		Contractor's Compliance Statement (Section 00411)		Bid Bond/Security Provided		Non-Collusion Affidavit (Section 00460)		Information Required of Bidders (Section 00480)		
										Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
		Engineer's Estimate				\$17,221,577.00	\$816,675.00	\$67,541.00	\$18,100,000.00											
1	2:59 PM	JJ Henderson	\$14,970,100.00	\$96,000.00	\$81,900.00	\$15,148,000.00	\$620,000.00	\$200,000.00	\$15,968,000.00	✓		✓		✓		✓		✓		
2	2:46 PM	Dick Anderson	\$14,590,519.00	\$69,600.00	\$9,100.00	\$14,669,219.00	\$991,000.00	\$1,189,000.00	\$16,849,219.00	✓		✓		✓		✓				
3	2:51 PM	Apollo	\$14,398,982.00	\$150,000.00	\$97,500.00	\$14,645,982.00	\$658,000.00	\$96,000.00	\$15,399,982.00	✓		✓		✓		✓				
4	2:46 PM	RSCI	\$15,332,282.00	\$67,200.00	\$58,500.00	\$15,457,982.00	\$645,397.00	\$151,253.00	\$16,254,632.00	✓		✓		✓		✓		✓		
5	2:54 PM	Sletten	\$13,763,082.00	\$109,920.00	\$16,120.00	\$13,889,122.00	\$563,500.00	\$105,500.00	\$14,558,122.00	✓		✓		✓		✓				
6	2:54 PM	Swank Enterprises	\$13,327,982.00	\$120,000.00	\$28,600.00	\$13,476,582.00	\$722,000.00	\$148,000.00	\$14,346,582.00	✓		✓		✓		✓		✓		
7	2:54 PM	Williams Bros.	\$14,420,183.00	\$9,841.00	\$13,455.00	\$14,443,479.00	\$690,700.00	\$191,500.00	\$15,325,679.00	✓		✓		✓		✓				

I have reviewed the bidding documents and certify that this is a correct and true representation of the bids received.