



Agenda # 8
Commission Meeting Date:
January 6, 2015

**CITY OF GREAT FALLS
COMMISSION AGENDA REPORT**

Item: Construction Contract Award: Lift Stations #2, #20 and #24 Can Replacement and Miscellaneous Improvements, O.F. 1457.8

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 that the City Commission award a contract in the amount of \$913,255.00 to Central Excavation for the Lift Stations #2, #20 and #24 Can Replacement and Miscellaneous Improvements, O. F. 1457.8, and authorize the City Manager to execute the contract.”

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

Staff Recommendation: Approve construction contract award.

Background:

Significant Impacts

This project involves replacement and rehabilitation work at sewage Lift Stations #2, #20, and #24 due to age and corrosion experienced at the stations.

Citizen Participation

The construction activity at Lift Stations #2, #20, and #24 should have little impact on the citizens of Great Falls. The contractor is required to keep the sewer system operational by providing bypass pumping at each location. The area around the lift stations at Elk’s Riverside Park and at Meadowlark Park will be utilized by the contractor and closed to the public. Traffic on 13th Street SW will be reduced to one lane during certain portions of the project and portions of the right-of-way will be used by the contractor.

Workload Impacts

NCI Engineering Co. (NCI) completed the project design and will perform construction inspection and contract administration duties. City engineering and Veolia staff are assisting with project administration duties.

Purpose

Due to groundwater and corrosive soils located at these lift stations, severe corrosion has taken place in the dry wells and wet wells. In some cases, groundwater has begun to leak into these stations, and left unchecked, could cause operational problems and possible shutdowns. The dry well of Lift Station #2 is showing extreme internal corrosion and the potential for major failure is imminent. After consideration of cost, operation, and location it was determined that the improvements to Lift Station #2 shall include converting this station to a submersible pump lift station. Both Lift Stations #20 and #24 have issues with corrosion, water infiltration, poor operation and maintenance capabilities, and safety issues. Based on the inspection results and the Engineering Report put together by NCI it was determined that total replacement of the wet wells and all pumping equipment will need to be performed. The improvements at all three (3) lift stations have been designed to generally match existing influent flows and included considerations for potential future flows. Any usable equipment located in these lift stations will be salvaged and used for backup purposes. A summary of the work being performed at each lift station is listed below:

- Lift Station #2
 - Construction of new wet well with new equipment
 - Convert existing wet well into a dry manhole
 - Remove existing dry pit
 - Flood proofing
 - New control panel

- Lift Station #20
 - Wet well will be completely replaced including all equipment
 - New control panel

- Lift Station #24
 - Wet well will be completely replaced including all equipment
 - Inlet manhole will be completely replaced
 - Outlet manhole will be modified
 - Flood proofing
 - New control panel

Project Work Scope

Lift Station #2 is located in Elk's Riverside Park along River Drive North and serves the area between the railroad and the river. Lift Station #20 is located south of 8th Avenue SW along 13th Street SW and serves the surrounding residences. Lift Station #24 is located in Meadowlark Park along Juniper Avenue and serves the Fox Farm Area.

Evaluation and Selection Process

Three bids were received and opened for this project on December 17, 2014. The bids ranged from \$913,255.00 to \$1,069,150. Central Excavation submitted the low bid and executed all the necessary bid documents.

Conclusion

City staff with NCI's concurrence recommends awarding the construction contract to Central Excavation in the amount of \$913,255.00. Central Excavation has successfully completed several projects of a similar nature in the past.

Fiscal Impact:

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

Alternatives:

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

Attachments/Exhibits:

1. Bid tabulation

