



Agenda # 23
Commission Meeting Date:
August 7, 2012

**CITY OF GREAT FALLS
COMMISSION AGENDA REPORT**

Item: Construction Contract Award: West Interceptor Trenchless Rehabilitation, Phase III, O.F. 1639.0

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 \$908,975.00 to Planned and Engineered Construction, Inc. (PEC) for the West Interceptor Trenchless Rehabilitation, Phase III, O. F. 1639.0, and authorize the City Manager to execute the agreements.”

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 install a liner in eight sections of the West Interceptor Sanitary Sewer Main. This main carries 2.5 million gallons per day of sewage from Lift Station #15 and areas of the west side of the city to the Wastewater Treatment Plant.

Workload Impacts

Public Works staff designed the project, and will perform construction inspection and contract administration duties.

Purpose

The Sanitary Sewer Trunk Line located along Bay Drive and West Bank Park was installed in 1976 using Prestressed Concrete Cylinder Pipe (PCCP). Nationwide, this pipe material has been found to be highly susceptible to the corrosive gases involved with raw sewage. These gases degrade the concrete and expose the metal reinforcement located inside the pipe. This corrosion previously caused a failure in a section of 30-inch force main located upstream from the gravity portion of the trunk line, causing raw sewage to undermine the

road and flood the area, ultimately discharging into the river. During the repair of the upstream force main the remaining downstream portions of the sewer line were found to have concrete corrosion requiring repairs. Previous projects lined the 36-inch section of the trunk main and portions of the 48-inch main. This project will complete the lining of the West Interceptor to its end point at the Wastewater Treatment Plant.

This project will make use of the trenchless technology method for installing Cured-In-Place-Pipe (CIPP) liner into the existing pipe. Trenchless technology was chosen for this project for several reasons, including lower cost, greatly reduced bypass pumping time, ease of installation, reduced surface disruption, and elimination of utility conflicts.

Project Work Scope

This project will rehabilitate 3,851 linear feet of 48-inch diameter main that is located in West Bank Park. Bypass pumping will be required during the entire project to allow for uninterrupted service.

Evaluation and Selection Process

Four bids were received and opened for this project on July 18, 2012. The bids ranged from \$908,975.00 to \$1,361,920.88. PEC, based in Helena, Montana, submitted the low bid and executed all the necessary bid documents. PEC has successfully completed numerous trenchless projects in Great Falls, including the two previous phases of the West Interceptor Rehabilitation.

Conclusion

City staff recommends awarding the construction contract to PEC in the amount of \$908,975.00

Fiscal Impact:

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

Alternatives:

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

Attachments/Exhibits:

1. Bid tabulation is attached. (Not available online; on file in City Clerk's Office.)