



Agenda # 16  
Commission Meeting Date:  
January 15, 2013

**CITY OF GREAT FALLS  
COMMISSION AGENDA REPORT**

---

**Item:** Final Payment – 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:** Approve Final Pay Request

---

**Suggested Motion:**

1. Commissioner moves:

“I move the City Commission approve Final Payment for the West Interceptor Trenchless Rehabilitation, Phase III, O.F. 1639.0 in the amount of \$43,951.78 to Planned and Engineered Construction, Inc. (PEC), and \$443.96 to the State Miscellaneous Tax Fund and authorize the City Manager to make the payments.”

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

---

**Staff Recommendation:** Approve final payment request.

**Background:**

Significant Impacts

This project installed 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 performed 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 completed the lining of the West Interceptor to its end point at the Wastewater Treatment Plant.

This project made 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.

Original Bid Opening Date:

Four bids were received and opened for this project on July 18, 2012 with the bids ranging from \$908,975.00 to \$1,361,920.88. PEC submitted the low bid.

Commission Award Date:

The City Commission awarded the contract to PEC on August 7, 2012.

Final Payment:

The final project cost is \$902,611.22 which is \$6,363.78 less than the amount that was awarded and approved. This difference was due to no repairs to the pipe being required to allow for the lining of the pipe.

Project Work Scope

This project rehabilitated 3,856 linear feet of 48-inch diameter main that is located in West Bank Park. Bypass pumping was required during the entire project to allow for uninterrupted service.

Conclusion

Public Works staff has verified that PEC has completed all work and punch list items in accordance with the plans and contract. The City can accept the project and execute the Final Payment. The project was completed within the contract time. The two year warranty period started at the time of substantial completion which was December 15, 2012.

**Fiscal Impact:**

This project was funded from the Sewer Capital Fund.

**Alternatives:**

The City Commission could vote to deny Final Pay.

**Attachments/Exhibits:**

None