



**Item:** Construction Contract Award: West Interceptor Trenchless Rehabilitation, O. F. 1566.6

**From:** Engineering Division

**Initiated By:** Public Works Department

**Presented By:** Jim Rearden, Public Works Director

**Action Requested:** Consider Bids and Award Construction Contract

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**Suggested Motion:**

1. Commissioner moves:

“I move the City Commission award a contract in the amount of \$188,750.00 to Planned and Engineered Construction, Inc. for the West Interceptor Trenchless Rehabilitation, O. F. 1566.6, 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.

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**Staff Recommendation:** Approve construction contract award.

**Background:**

Significant Impacts

This project will install a liner in several sections of the West Interceptor Sanitary Sewer Main. This main carries 1.9 million gallons per day of sewage from Lift Station #15 to the Wastewater Treatment Plant.

Workload Impacts

Public Works staff assessed the condition of the 36-inch sewer main during a replacement project conducted upstream and decided a liner project would be necessary. City engineering staff designed the project, and will perform construction inspection and contract administration duties.

Purpose

The 36-inch sewer main located along Bay Drive was installed in 1976 using Prestressed Concrete Cylinder Pipe (PCCP). Nation-wide 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 36-

inch pipe 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 36-inch pipe was found to have extreme concrete corrosion and repairs would need to be conducted.

This project will make use of the trenchless technology installation method of 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 1,250 linear feet of 36-inch diameter main that is located along Bay Drive and West Bank Park. Bypass pumping will be required during the entire project to allow for uninterrupted service.

#### Evaluation and Selection Process

Two bids were received and opened for this project on July 21, 2010. The bids ranged from \$188,750.00 to \$378,750.00. Planned and Engineered Construction, Inc. submitted the low bid and executed all the necessary bid documents.

#### Conclusion

City staff recommends awarding the construction contract to Planned and Engineered Construction, Inc. in the amount of \$188,750.00.

**Fiscal Impact:** The attached bid tabulation summarizes the 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.

