



Item: Change Order No. 1 - Sanitary Sewer Trenchless Rehabilitation,
Phase 13, O. F. 1566

From: Engineering Division

Initiated By: Public Works Department

Presented By: Jim Rearden, Public Works Director

Action Requested: Approve Change Order No. 1

Suggested Motion:

1. Commissioner moves:

“I move the City Commission approve Change Order No. 1 in the amount of \$16,980.00 for the Sanitary Sewer Trenchless Rehabilitation, Phase 13, O. F. 1566 to Planned and Engineered Construction, Inc. 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 Change Order No. 1.

Background:

Significant Impacts

This change order involves adding an additional 430 feet of 9-inch CIPP lining. This work includes cleaning and videoing the pipe before installation and then lining the pipe and reinstating all service laterals located on that section of the main.

Citizen Participation

Not Applicable

Workload Impacts

The City’s Public Works Department Utility Division completed preliminary sewer main inspections that were used to identify and prioritize which mains needed rehabilitation. City engineering staff designed the project and are performing construction inspection and contract administration duties.

Purpose

The mains are made of vitrified clay and are past their expected useful lifespan. The mains have begun to crack and in some cases pieces of pipe have broken away, causing holes to form in the sewers. This causes an environmental concern and also maintenance problems in keeping the lines flowing and in proper working order. The additional sewer main being lined with this change order had recently collapsed, requiring an emergency dig out to repair it. The depth of the main is twenty three feet deep which is very costly, time consuming and dangerous to excavate in the constrictive work area allowed by the alley. Lining this sewer will eliminate future collapses and emergency dig outs being required due to the poor condition of the clay pipe. This sewer main is located on the 1800 block of 3rd Alley North.

This project is using the trenchless technology installation method of installing Cured-In-Place-Pipe (CIPP) liner into existing pipes. Trenchless technology was chosen for this project for several reasons, including lower cost, ease of installation, greatly reduced surface disruption, and elimination of utility conflicts. Once lined, these sewer mains will have an additional estimated useful lifespan of fifty years.

Project Work Scope

This project will rehabilitate approximately 4,900 linear feet of 8-inch and 9-inch diameter mains that are located in eleven locations spread around the City.

Evaluation and Selection Process

Two bids were received and opened for this project on March 18, 2009. The bids were \$160,901.00 and \$185,940.00. Due to irregularities in the submission of the low bid by Insituform, it had to be rejected. The City Commission awarded the contract to Planned and Engineered Construction, Inc. April 7, 2009 for the amount of \$185,940.00. Change Order No. 1 will increase the total contract value to \$202,920.00.

Conclusion

City staff recommends approving Change Order No. 1 to Planned and Engineered Construction, Inc. in the amount of \$16,980.00.

Concurrences: Not Applicable

Fiscal Impact: The additional funding will come from Sewer Capital Funds.

Alternatives: The City Commission could vote to deny Change Order No. 1

Attachments/Exhibits:

1. Change Order No. 1 is attached. (Not available online; on file in the City Clerk's Office.)