

CITY COUNCIL MEMORANDUM

AGENDA ITEM

Authorize the Award of a Professional Services Agreement with Pipeline Analysis, LLC, for the Phase 4 Sewer Line Sanitary Sewer Evaluation Survey

ORIGINATING DEPARTMENT

Public Works/Water and Sewer Division

BACKGROUND INFORMATION

On November 14, 2011, the City of Killeen was officially accepted into the Texas Commission on Environmental Quality (TCEQ) Sanitary Sewer Overflow (SSO) Initiative Program. The agreement with the TCEQ requires the City to follow an SSO Initiative Action Plan in which the City's entire sanitary sewer collection system is evaluated and defects are rehabilitated over a 10-year period.

Pipeline Analysis has completed the Manhole Inspection Phases 1-3 of the City's SSO Initiative Action Plan. Defects were found in 2,727 manholes and cleanouts. The manhole rehabilitation work for Phases 1-3 is now complete. The surveyed data from the manhole inspections has been interfaced with the City's GIS maps. Pipeline Analysis has also completed Phases 1-3 of the Sewer Line Sanitary Sewer Evaluation Survey (SSES) which included the evaluation of 1,440,862 feet of sewer line.

DISCUSSION/CONCLUSION

The TCEQ SSO Initiative Action Plan requires the implementation of Sewer Line SSES Phase 4 in the fourth quarter of 2015. The Action Plan includes five phases of Sewer Line SSES. Due to the many benefits gained from the sewer line evaluations in Phases 1-3 of Pipeline Analysis's SSES work, City GIS and Engineering staff recommend retaining Pipeline Analysis for the evaluation of 533,639 feet of sewer line that is located in the seven sanitary sewer basins that make up Phase 4. Pipeline Analysis has submitted a proposal for \$369,389.30 to complete Phase 4 of the City's Sewer Line SSES. The major tasks of this work include:

- Mobilization -- Engineering review of all relevant previous reports and preparation of study area field inspection maps;
- Smoke testing of study area -- 533,639 feet of sewer pipe will be smoke tested to provide detailed information on wet weather inflow sources;
- Dye water testing -- up to 20 locations will be dye-water tested to assist in the location and quantifying of specific defects;
- CCTV -- approximately 80,046 feet of sanitary sewer pipe will be CCTV inspected in order to develop least cost alternatives for subsequent repairs;
- Defect analysis and rehabilitation recommendations -- Using industry standard descriptions of source defects, Pipeline Analysis will prioritize defects and recommend rehabilitation; and

- Rehabilitation plan report -- Preparation of an engineering report that will summarize all data found and provide recommendations and cost estimates for private and public sector repairs.

Pipeline Analysis will also guide City staff with the preparation of bid packages and implementation of prioritized sewer line rehabilitation projects.

Because the proposed agreement with Pipeline Analysis is a contract for professional services, competitive bidding requirements do not apply.

FISCAL IMPACT

Funding for this project is available in the amount of \$369,389.30 through Account Number 386-3495-800.58-46 of the 2013 Water & Sewer Bond.

RECOMMENDATION

City staff recommends that the City Council authorize the City Manager to enter into an agreement with Pipeline Analysis, LLC., for a professional services agreement to complete Phase 4 of the Sewer Line SSES in the amount of \$369,389.30, and that the City Manager be expressly authorized to execute any and all change orders within the amounts set by state and local law.