



CITY COUNCIL MEMORANDUM

FROM: The Office of the City Manager **DATE:** March 8, 2021

SUBJECT: Consider award of RFB No. 21-008 to Insituform Technologies, LLC, for construction of the Big Fossil 24" Interceptor Project (UT2004) in the amount of \$737,815.50, and authorize the City Manager to execute the agreement.

PRESENTER: Caroline Waggoner, Director of Public Works

SUMMARY:

The City Council is being asked to award a construction contract for the Big Fossil 24" Interceptor Project (UT2004).

GENERAL DESCRIPTION:

A bid opening was conducted for the Big Fossil 24" Interceptor Project on February 5, 2021. The project was approved as part of the FY 2019/2020 Capital Improvements Budget. The purpose of the project is to rehabilitate approximately 2,400 feet of sanitary sewer main in the vicinity of Fossil Creek Park.

The sewer project will be constructed almost entirely using trenchless technology. This will mean very little surface disturbance over the existing main, with the work taking place at the manholes. The existing deteriorated concrete pipe will be left in place and lined using Cast in Place Pipe (CIPP), which is a type of in-situ rehabilitation in which a flexible liner (a felt or fiber sleeve) is infused with thermosetting resins and inserted into an existing pipe. The flexible liner can be installed via winch or in several different inverted methods depending on the application. Once in place, the liner is inflated until it fits snugly into the host pipe. The thermosetting resin in the liner is then activated by hot water or steam, after which, it is allowed to cure and fully harden before the pipe is put back into service.

CIPP is one of the most popular in-situ rehabilitation methods because it can be inserted via already existing manholes with no extra excavation required. This project will include a short stretch of open-cut pipe replacement in the vicinity of Onyx Drive South. This is required as this pipe section is not a good candidate for CIPP based on its poor condition.



Notice of the city's intent to bid was advertised in local newspapers, as required by state statute, and posted on the city's website. Bid specifications were viewed on the city's website by multiple entities. However, the project only received one bid. Staff had hoped for more bids on the project, but it is not uncommon for specialized projects like this to have a limited response. The project specifications stipulated that eligible firms have recent large-diameter CIPP experience in an effort to avoid ill-equipped contractors. A decision was made to open the single bid due to the specialized nature of the project, the experience / qualifications of the single contractor, and the need to get the project completed as soon as possible. The single bid came in approximately \$260,000 under the project construction budget.

Insituform Technologies, LLC specializes in pipeline rehabilitation, with multiple active projects of similar type and scale throughout Texas, including the cities of Denton, Dallas, Mesquite, Austin, Wichita Falls and others. They have successfully installed tens of thousands of linear feet of CIPP in recent years, including pipe diameters as large as 60".

Construction is anticipated to begin in spring 2021 and is anticipated to take six months to complete. The project contract includes two interim performance milestones, and liquidated damages of \$744 per day for each day beyond 180 days the project is not completed. The calculation for liquidated damages is based on projections of actual damages the City would likely incur for this project in the event the Contractor fails to complete the project on time.

Funding for the project is included in the FY 2020-21 Adopted Capital Budget.

RECOMMENDATION:

Award RFB Bid No. 21-008 to Insituform Technologies, LLC., for construction of the Big Fossil 24" Interceptor Project (UT2004) in the amount of \$737,815.50, and authorize the City Manager to execute the agreement.