

Legislation Text

File #: BILL NO. 22-239, **Version:** 1

An Ordinance ratifying an emergency purchase services agreement between Insituform Technologies USA, LLC and the City of Lee's Summit, Missouri in the amount of \$1,246,064.95 to repair the Scruggs Road Pump Station force mains through the installation of a liner and authorizing the City Manager to execute the same. (Note: First read by City Council on November 15, 2022. Passed by unanimous vote.)

Issue/Request:

* The Water Utilities Department has identified a failure in the 18" ductile iron sanitary sewer force main that discharges from the Scruggs Road Pump Station to the Tudor Road Pump Station.

* This failure is the third such failure to occur in the past 18 months, with the frequency of the failures increasing.

* Each failure poses a potential environmental and public health risk and increases the liability of the city.

* The total cost for repair of the line is expected to be completed for \$1,504,265.00 through an emergency purchase.

* The cost includes a contract with Insituform for \$1,246,064.95 and use of the on-call construction contract with Wiedenmann Construction in the amount of \$258,200.00.

Proposed City Council Motion:

I move for adoption of an Ordinance ratifying an emergency purchase services agreement between Insituform Technologies USA, LLC and the City of Lee's Summit, Missouri in the amount of \$1,246,064.95 to repair the Scruggs Road Pump Station force mains through the installation of a liner and authorizing the City Manager to execute the same.

Background:

The Scruggs Road Pump Station utilizes two forcemains, a 12" dry weather forcemain and an 18" wet weather forcemain, for pumping wastewater flows to a gravity system. There have been multiple failures on the forcemains with the frequency of failure increasing. Each failure carries a risk of potential environmental impacts due to the pump station's proximity to Prairie Lee Lake. The forcemains are located under Scruggs Road, which is a concrete road, which makes the forcemains costly to repair. Lining the forcemains can extend the useful life of the pipe without the costs associated with doing a full pipe replacement. The lining process is minimally invasive, requiring only access pits in lieu of digging up the entire length of pipe, and requires minimal downtime reducing the risk of overflows or the costs associated with bypass pumping. Pressurized forcemains, unlike gravity sewer systems, require a different type of specialized liner capable of withstanding the system operating pressures. Three different manufacturers were approached about this project and only one of them can meet our design requirements. Separate work to include the excavation of the liner launching and receiving pits, traffic control, final pipe connections, and restoration will be provided by the on-call contractor. The pump station will remain in operation during the completion of the work, but

will require that half of the pump station will be out of service. Therefore, it is important that this work be done during the winter months under dry weather conditions prior to the spring rains. Materials must be ordered quickly to cut down on lead times in order to meet this timeline.

Impact/Analysis:

The cost of the repair is estimated to be \$1,504,265.00. The Water Utilities Department has sufficient funding with the CIP project that was previously identified and approved by City Council.

Jeff Thorn, P.E., Deputy Director of Water Utilities