



Legislation Text

File #: 19-586, **Version:** 1

CITY COUNCIL AGENDA ITEM

ACTION REQUESTED:

Approve the award of Bid 19-168, 2019 Cured-In-Place Water Main Rehabilitation, to Insituform Technologies USA Inc. for an amount not to exceed \$423,997.40, plus a 5% contingency

DEPARTMENT: Water Utilities

SUBMITTED BY: Darrell Blenniss, Director

BOARD/COMMISSION REVIEW:

N/A

BACKGROUND:

The Water Utilities issued Bid 19-168 seeking a contractor to rehabilitate approximately 80 feet of existing six-inch water main, 120 feet of 10-inch water main and 330 feet of 12-inch water main using the trenchless method of glass-fiber reinforced cured-in-place pipe. This work also includes disassembly/reassembly of ductile iron pipe, valves and fittings as necessary to perform cured-in-place pipe installation. Only liners certified by National Science Foundation (NSF) with NSF/ANSI Standard 61 certification for use in potable water pipelines are acceptable.

The Water Utilities will need to replace or rehabilitate a large amount of watermain in the coming years to continue to provide reliable service for customers. Each watermain project is evaluated for constructability, cost effectiveness, potential disruption and other factors during the design phase of the project. The replacement or rehabilitation method selected must be suitable to the location in order to produce a high-quality project.

Watermain lining technology has improved over the past several years, making it more competitive in the marketplace when bidding against traditional installation methods, particularly for certain locations. More contractors have become certified to install it, bringing more competition. It also has the advantage of being less disruptive to residents and motorists due to limited excavation required to install. Limiting the amount of excavation, and less restoration has the potential to reduce the cost of the project. These locations were identified as being suitable for watermain lining for several reasons. The locations required size on size replacement/rehabilitation, making lining a potential option. Watermain lining is also suitable for hard to construct locations such as under train tracks or arterial roadways. The locations also do not have a lot of water services on them; water service reinstatement requires excavation and increases the cost of the project, making it less competitive than traditional excavation.

