

Agenda Report

December 4, 2017

TO: Honorable Mayor and City Council
FROM: Department of Public Works
SUBJECT: CONTRACT AWARD TO INSITUFORM TECHNOLOGIES, LLC FOR 2017 SEWER RELINING AND POINT REPAIR PROJECT FOR AN AMOUNT NOT TO EXCEED \$1,330,000

RECOMMENDATION:

It is recommended that the City Council:

1. Find the project proposed herein to be categorically exempt under the California Environmental Quality Act (CEQA) Guidelines in accordance with Title 14, Chapter 3, Article 19, Section 15301, Class 1, minor alterations of existing public facilities involving negligible or no expansion of use beyond that previously existing at the time of the lead agency's determination and that there are no features that distinguish this project from others in the exempt class, and therefore, there are no unusual circumstances; and
2. i) Accept the bid dated November 3, 2017 submitted by Insituform Technologies, LLC in response to the plans and specifications for the 2017 Sewer Relining and Point Repair Project, ii) reject all other bids, and iii) authorize the City Manager to enter into a contract for an amount not to exceed \$1,330,000.

BACKGROUND:

The City of Pasadena's sewer system consists of over 1.8 million linear feet of pipes ranging from 6" to 42" in diameter, 60% of which is over 70 years old. Sewer relining is a trenchless technology that can extend the life of a pipe by up to 50 years by installing a liner which adheres to the host pipe and covers cracks, root intrusions, and other discontinuities. Relining an aged pipe enhances its capacity by retrofitting its structural integrity, eliminating groundwater infiltration and providing a smoother surface for effluent to flow, thereby accommodating higher volume flows than the pipe's existing diminished condition.

This project consists of rehabilitating and increasing capacity in over 18,500 lineal feet of sanitary sewer pipes by relining existing 8-inch and 10-inch diameter vitrified clay (VCP) and reinforced concrete (RCP) pipes, and replacing or point repair of pipes at various

locations throughout the City. The work includes cleaning of pipes; pre-lining and post-lining video inspections; installation of liners; point repairs of broken/cracked/offset pipes; removing and replacing damaged pipe sections; sealing service lateral connection points; and miscellaneous appurtenant work.

This project will utilize cured-in-place pipe liner (CIPP), cured with ultraviolet (UV) light. Although previous relining projects have utilized steam curing of pipe liner, UV curing is an advanced method with a slightly higher installation cost but lower rehabilitation costs. It allows better quality assurance, as it can be inspected before and during curing for its structural integrity, and delivers tighter seals at pipe joints, which reduces groundwater infiltration into the sewer system. The majority of the project is in the southwest portion of the City, which has been shown to have a higher groundwater table with excessive infiltration rates. This process also reduces exfiltration of wastewater into the surrounding soil, assisting the City in National Pollutant Discharge Elimination System (NPDES) compliance.

Additionally, UV curing has environmental benefits such as no water utilization and resin migration, and minimizes impact to the community during installation with greatly reduced noise levels and minimal styrene odors. While some cities have used UV-CIPP for point repairs, Pasadena's substantial 18,500 lineal feet project will be a regional first, and will allow Pasadena to lead in environmental innovation and sustainability.

A finding of compliance with the General Plan was previously made and is shown on page 7.2 of the adopted FY 2018 Capital Improvement Program (CIP) budget.

The Department of Public Works prepared plans and specifications for the project and in accordance with Section 4.08.070 of the Pasadena Municipal Code, bids were requested and received. The project was advertised in the *Pasadena Journal* on October 11, 2017. In addition, the Notice Inviting Bids was published in four trade publications and listed on the City's website, which generated notices to 977 local vendors. Forty-four contractors obtained bid packets, five of whom submitted bids for the project. No local contractors obtained bid packets or submitted bids.

Following advertising, bids were received on November 3, 2017, and are as follows:

Bidder	Amount (\$)
1. Insituform Technologies, LLC, Irvine	\$1,209,578
2. Downstream Services, Inc., Escondido	\$1,277,478
3. Mocon Corporation, San Clemente	\$1,405,205
4. Southwest Pipeline & Trenchless Corporation, Torrance	\$1,804,427
5. Tunnelworks Services, Inc., Whittier (\$1,208,500)	Non-Responsible
Engineer's Estimate	\$1,294,124

The low bid is six percent lower than the Engineer's Estimate.

Because ultraviolet curing is still a relatively new technology, a qualification form was required to be submitted as part of the bid proposal, asking bidders to list at least three similar projects (in scope and size) completed within the past three years. Tunnelworks Services, Inc. was the apparent low bidder; however, the listed projects were not similar in scope and size to the bid project and therefore, is deemed non-responsible.

It is recommended that Insituform Technologies, LLC (Insituform) be awarded the contract for this project as they are the lowest responsive and responsible bidder. Insituform has successfully completed many prominent scale UV lining projects nationwide. The proposed contract with Insituform fully complies with the Competitive Bidding and Living Wage Ordinances. In addition, the proposed contract with Insituform fully complies with the Prevailing Wage Law (Senate Bill 7) per Resolution 9406 adopted by the City Council on December 15, 2014. The contractor has indicated that the award of this contract will result in no new hires to its present workforce.

Insituform Technologies, LLC is not currently under contract for other work with the City of Pasadena and has not worked for the City on any previous projects.

The contract for this project will be set up as follows:

Base Bid	\$ 1,209,578
Contingency Allowance	\$ 120,422
Contract "Not to Exceed" Amount	\$ 1,330,000

It is anticipated that work will begin in January 2018 and be completed in June 2018.

COUNCIL POLICY CONSIDERATION:

This project is consistent with the City Council's goal to improve, maintain and enhance public facilities and infrastructure. It also supports the Public Facilities Element of the General Plan by maintaining public facilities to enhance the quality of life of the community.

ENVIRONMENTAL ANALYSIS:

The City's Environmental Administrator recommends that the City Council determine the proposed project to be exempt under CEQA in accordance with Title 14, Chapter 3, Article 19, Section 15301, Class 1. This exemption includes the minor alteration of existing public facilities involving negligible or no expansion of use beyond that existing at the time of the lead agency's determination, and there are no features that distinguish this project from others in the exempt class, and therefore, there are no unusual circumstances.

FISCAL IMPACT:

The cost of this contract is \$1,330,000 and the total cost of this action will be \$1,430,000. Funding for this action will be addressed by the utilization of existing budgeted appropriations in the Sewer System Improvements Citywide FY 2017-2021 (budget account 76911) and Sewer Capacity Upgrades - FY 2016-2020 (budget account 76909) CIP projects. It is anticipated that all of the cost will be spent in FY 2018.

The following table presents a summary of the sources of funds that will be used.

Sewer System Improvements Citywide FY 2017-2021 (76911)	\$ 900,000
Sewer Capacity Upgrades - FY 2016-2020 (76909)	\$ 530,000
Total Sources	\$ 1,430,000

The following table represents a contract summary.

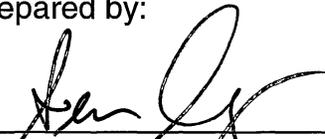
Base Bid	\$ 1,209,578
Contingency Allowance	\$ 120,422
Contract Administration/Inspection	\$ 100,000
Total Fiscal Impact	\$ 1,430,000

Respectfully submitted,



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