

CITY COUNCIL AGENDA ITEM
CITY OF SHORELINE, WASHINGTON

AGENDA TITLE:	Authorize the City Manager to Execute a Construction Contract with Insituform Technologies, LLC in the Amount of \$441,974 for the 2016 Cured-In-Place Pipe Stormwater Pipe Repair Project
DEPARTMENT:	Public Works
PRESENTED BY:	Tricia Juhnke, City Engineer
ACTION:	<input type="checkbox"/> Ordinance <input type="checkbox"/> Resolution <input checked="" type="checkbox"/> Motion <input type="checkbox"/> Discussion <input type="checkbox"/> Public Hearing

PROBLEM/ISSUE STATEMENT:

Staff is requesting that Council authorize the City Manager to execute a Contract with Insituform Technologies, LLC, for construction of the 2016 (Cured-In-Place Pipe) CIPP Stormwater Pipe Repair Project in the amount of \$441,974. CIPP is a trenchless pipe repair method widely utilized for rehabilitating damaged stormwater and sanitary sewer pipes by installing a permanent composite liner within the pipe. This project will repair 2,281 feet of 12-inch diameter stormwater pipe and 884 feet of 18-inch diameter stormwater pipe.

Between January 13 and February 4, 2016, the City solicited for contractors to construct the 2016 CIPP Stormwater Pipe Repair Project as Bid# 8346. The engineer's estimate for the construction was \$561,250. Construction is anticipated to start in May 2016 with completion anticipated by the end of August 2016. The bid from Insituform Technologies, LLC, in the amount of \$441,974 was the low bid. City staff has determined that the bid from Insituform Technologies, LLC is responsive and that they have met the City's requirements.

RESOURCE/FINANCIAL IMPACT:

This project is fully funded by City's Surface Water Utility fund. See the following pages for more detailed information.

RECOMMENDATION

Staff recommends that Council authorize the City Manager to execute a construction contract with Insituform Technologies, LLC, in the amount of \$441,974 for the 2016 CIPP Stormwater Pipe Repair Project.

Approved By: City Manager **DT** City Attorney **MK**

BACKGROUND

The 2016 CIPP Stormwater Pipe Repair Project (Project) is part of the City's ongoing multi-year Stormwater Pipe Repair and Replacement Program (SWPRRP). The SWPRRP proactively ensures public safety, reduces flooding, decreases maintenance demands, and protects critical infrastructure and other public and private property.

The stormwater pipes in the Project were identified for priority repair after completion of systematic CCTV inspection condition assessments in conjunction with basin planning efforts. Prioritization efforts include a detailed review of each pipe's inspection results and other characteristics, and take into account both the structural condition of the pipe (risk of failure) and pipe criticality (potential consequences of failure).

DISCUSSION

The Project will repair 2,281 feet of 12-inch diameter stormwater pipe and 884 feet of 18-inch diameter stormwater pipe at 22 sites throughout the City. The majority of these sites are located within the McAleer Creek and Lyon Creek Basins in the northeastern area of the City, a result of the high number of pipes in poor condition identified in recently-completed basin plans for those drainages.

The selected repair method for the Project is CIPP, which uses a durable composite pipe liner within existing stormwater pipe. Installation typically accesses pipe interiors through existing catch basins, manholes, and culvert ends. Lack of excavation and other surface disturbance means that crews can work quickly and without lengthy impacts to traffic and neighbors. The City had good results from a similar project approximately one year ago (Contract# 7772) which installed nearly 800 feet of CIPP lining to repair stormwater pipes. This method provides optimal value by extending the lifespan of the City's existing stormwater infrastructure without the expense and high level of disturbance that comes with extensive excavation.

Many of these repair sites were part of a previous (July 2015) bid package (Bid# 8147) which received no bids. The follow-up investigation revealed (among other factors) that bid package's combination of open cut conventional pipe repairs and CIPP repairs was unappealing to both general contractors and the CIPP specialty contractors. The combined package was split into separate open cut-only (Bid# 8340) and CIPP-only (Bid# 8346) contracts. The open cut contract, which is currently underway, is well under budget and nearing successful completion.

Project Bid Process – Bid# 8346

Between January 13 and February 4, 2016, the City solicited for contractors to construct the Project under Bid# 8346 as noted above. Bids were opened on February 4, 2016, and two bids were received. Insituform Technologies, LLC, was the low bidder with a bid of \$441,974. The other bid proposal was incomplete and is non-responsive.

City staff determined that the bid from Insituform Technologies, LLC, is responsive and has met the requirements of the bid. This was verified by:

- Evaluation of the bid through the creation of bid tabulations, and
- Verification that the contractor is properly licensed in Washington and has not been barred from contracting on federal- and state-funded projects.

The engineer's estimate for construction of the Project was \$561,250. Construction is anticipated to start in April 2016 with completion anticipated by the end of June 2016.

COUNCIL GOAL ADDRESSED

This project addresses Council Goal #2, Improve Shoreline's utility, transportation, and environmental infrastructure. This project will meet this goal by repairing and replacing failing stormwater pipes.

RESOURCE/FINANCIAL IMPACT

This project is fully funded by City's Surface Water Utility fund. Below is a breakdown of the budget for the 2016 CIPP Stormwater Pipe Repair Project:

Project Expenditures:

Design:

Staff and other Direct Expenses*	\$12,000
Engineering Consultant*	\$90,000

Construction:

Staff and other Direct Expenses	\$8,000
Engineering Consultant	\$5,000
Construction Contract	\$441,974
Total Construction	\$454,974

Contingency (10%)	\$44,197
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Total Project Expenditures	\$601,171
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Project Revenue:

Surface Water Capital Fund**	\$601,171
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Total Project Revenue	\$601,171
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** Design expenditures for staff and the engineering consultant are approximate and estimated to represent one portion of the total expenditures for a larger 2015-2016 effort, which additionally includes: a previous July 2015 bid package (Bid# 8147) which received no bids; the Stormwater Pipe Open Cut Repair Project 2015 (Contract# 8340) currently nearing completion; and a future open cut repair package currently in development.*

*** Revenue includes funding from the 2015 King County Flood Control District Sub-Regional Opportunity Fund, which can be applied toward the consultant design expenditures.*

RECOMMENDATION

Staff recommends that Council authorize the City Manager to execute a construction contract with Insituform Technologies, LLC, in the amount of \$441,974 for the 2016 CIPP Stormwater Pipe Repair Project.