

CITY COUNCIL AGENDA ITEM
CITY OF SHORELINE, WASHINGTON

AGENDA TITLE:	Authorizing the City Manager to Execute a Construction Contract with Insituform Technologies, LLC in the Amount of \$384,381 for the 2020 CIPP 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 2020 Cured in Place Pipe (CIPP) Stormwater Pipe Repair Project in the amount of \$384,381. 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 3,100 feet of 12-inch diameter stormwater pipe using the CIPP method.

Between March 23 and April 23, 2020, the City solicited for contractors to construct the 2020 CIPP Stormwater Pipe Repair Project as Bid# 9495. The engineer’s estimate for the construction was \$573,700. Construction is anticipated to start in June 2020 with a total contract time of 60 working days. The bid from Insituform Technologies, LLC, in the amount of \$384,381 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. Below is a breakdown of the budget for the 2020 CIPP Stormwater Pipe Repair Project:

Project Expenditures:

Design:		
Staff and other Direct Expenses*		\$40,000
Construction:		
Staff and other Direct Expenses	\$65,000	
Construction Contract	\$384,381	
Total Construction		\$449,381
Contingency (10%)		\$44,938
Total Project Expenditures		\$534,319

Project Revenue:

Surface Water Capital Fund	\$534,319
Total Project Revenue	\$534,319

** Design expenditures for staff and the engineering consultant are approximate*

RECOMMENDATION

Staff recommends that Council authorize the City Manager to execute a construction contract with Insituform Technologies, LLC, in the amount of \$384,381 for the 2020 CIPP Stormwater Pipe Repair Project.

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

BACKGROUND

The 2020 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).

The Project will repair 3,100 feet of 12-inch diameter stormwater pipe at 23 sites throughout the City. The majority of these sites are located within the northwestern area of the City, a result of the high number of pipes in poor condition identified in completed basin plans for those drainage areas.

DISCUSSION

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 in 2016 (Contract# 8346) which installed nearly 3,200 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.

Project Bid Process – Bid# 9495

Between March 23 and April 23, 2020, the City solicited for contractors to construct the Project under Bid# 9495 as noted above. Bids were opened on March 23, 2020, and three bids were received. Insituform Technologies, LLC, was the low bidder with a bid of \$384,381. The other bid proposals were \$509,559 and \$530,000.

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 \$573,700. Construction is anticipated to start in June 2020 with a contract time of 60 working days.

COUNCIL GOAL(S) ADDRESSED

This project addresses Council Goal #2: Continue to deliver highly valued public services through management of the City’s infrastructure and stewardship of the natural environment. This project will meet this goal by repairing and replacing failing stormwater pipes.

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