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City Council

Approval of Bid Award for the 2024 Cure-in-Place Pipe Lining Project

Agenda Date: 7/9/2024
Agenda Item Number: 4.E
File Number: 24-0555

Type: decision **Version:** 1 **Status:** Passed

Title

Approval of Bid Award for the 2024 Cure-in-Place Pipe Lining Project

Recommended Action

Committee Recommendation:

Not referred to a committee.

City Manager Recommendation:

Move to award the construction contract to Insituform Technologies, LLC, in the amount of \$464,187.19, and authorize the City Manager to execute the contract.

Report

Issue:

Whether to award the construction contract to Insituform Technologies, LLC, in the amount of \$464,187.19, and authorize the City Manager to execute the contract.

Staff Contact:

Patrick Knouff, Project Coordinator, Public Works Engineering, 360.753.8352.

Presenter(s):

None - Consent Calendar item.

Background and Analysis:

The Wastewater and Stormwater Utilities develop lists of priority pipes that need repair, based on the results of video inspections and condition ratings established by the Pipeline Assessment and Certification Program. Pipe sections are then identified for which trenchless technology (CIPP) will be the most effective repair.

This project will repair approximately 5,500 feet of sewer pipe and 550 feet of stormwater pipe.

Climate Analysis:

This project will rehabilitate nine segments of aging sewer pipe and three segments of aging stormwater pipe with a cured in place lining. By using cured in place lining, a complete replacement of sewer and stormwater pipe using open trench excavation, a much more energy intensive

alternative, can be avoided. Proactively rehabilitating aging sewer pipe by correcting defects will prevent groundwater from entering the sewer collection system, thereby lowering the amount of water that is conveyed, pumped, and ultimately treated at the LOTT Budd Inlet Treatment Plant, resulting in less energy use. Further, by rehabilitating aging stormwater pipe, greater capacity for addressing rainfall events is created. For these reasons, the project supports strategy W1 (Increase the efficiency of water and wastewater infrastructure) and W3 (Reduce emissions from wastewater treatment operations.)

Equity Analysis:

This project will provide improved function and extend the life cycle of portions of the City of Olympia's sewer and stormwater infrastructure selected based on age, condition, criticality, and environmental impact. Correcting defects in segments of sewer pipe will reduce untreated sewerage from entering the environment, while rehabilitating stormwater pipe will increase capacity during rainfall events.

The City of Olympia's sewer and stormwater rate payers and the greater community all benefit from an improved environment, an increase in public health, and protection from flood events the project will provide. Except for temporary construction impacts, there does not appear to be any indication that this project will create a burden on anyone in the community. Additionally, using cured in place lining, rather than full pipe replacement, will extend the life cycle of selected segments of pipe, resulting in the most efficient use of sewer and stormwater rates.

Neighborhood/Community Interests (if known):

The use of CIPP for repairing pipes significantly reduces disruptions to the neighborhood. This method allows the contractor to repair pipes without having to dig open trenches. Streets will remain open during the work. For short periods, one lane may close to complete portions of the work. During these periods, flaggers will direct traffic through the work zone.

The City will communicate with citizens, emergency responders, Intercity Transit, and other stakeholders about the project through social media, media releases, and postcards.

Financial Impact:

The Priority Sewer Repairs project is funded through the Wastewater and Stormwater Utility.

The low bid of \$464,187.19 is approximately 19% below the Engineer's estimate. There are sufficient funds in the budget to complete this project.

Overall project costs:

Total Low Bid:	\$464,187.19
Contingency to Award (10%):	\$46,418.72
Engineering: Design, Inspection, Consultants	\$139,727.09
Total Estimated Project Cost:	\$650,333.00
Available Project Funding:	\$650,333.00

Options:

1. Award the construction contract to Insituform Technologies, LLC, in the amount of \$464,187.19, and authorize the City Manager to execute the contract.

- The project proceeds as planned.

2. Reject all bids and direct staff to rebid the project.
 - The time needed to rebid will delay construction until 2025.
 - The cost may increase due to increased staff time to rebid the project.
 - Additional repairs may be needed because of the delay.
3. Take other action.

Attachments:

Vicinity Map
Summary of Bids