



Item: Engineering Professional Services Agreement Award: Sanitary Sewer Trunk Line Inspection, O.F. 1674

From: Engineering Division

Initiated By: Public Works Department

Presented By: Jim Rearden, Public Works Director

Action Requested: Consider proposal and approve contract.

Suggested Motion:

1. Commissioner moves:

“I move the City Commission award a contract in the amount of \$125,000.00 to Hydromax USA (Hydromax) for Engineering Services associated with the Sanitary Sewer Trunk Line Inspection, O. F. 1674, and authorize the City Manager to execute the construction contract documents.”

2. Mayor calls for a second, discussion, public comment, and calls for the vote.

Staff Recommendation: Approve Engineering Professional Services Agreement.

Background:

Significant Impacts

The City Public Works Department has selected Hydromax to complete the video and sonar inspection of approximately 25,000 linear feet of sanitary sewer trunk main ranging in size between 18 inches and 48 inches in diameter. Four main runs will be inspected. Three mains extend from the pump station at River Drive and 6th Street N and run to the south along 6th and 3rd Streets and to the east along 8th Ave N. The fourth main is located along 14th Street SW and 10th Ave SW flowing to the pump station located north of the Sun River at 6th Street NW. These mains are not accessible to City equipment for evaluation due to constant, heavy flows. Hydromax has a camera/sonar system that can float through the mains to complete the inspection.

Citizen Participation

Failures in the sanitary sewer system can lead to significant health and environmental concerns as well as significant capital costs. These failures in the system can be avoided through the implementation of preventative measures to extend the service life of the City's larger sewer mains. During the inspection, minor traffic lane closures and alley impacts can be expected for manhole access along these routes.

Workload Impacts

The City does not have the specialized equipment needed to evaluate larger sewer mains with heavy wastewater flow. Hydromax will provide video and sonar data from the sewer system inspection. This data will be evaluated by City engineering and utilities staff to develop future sewer lining and repair projects.

Purpose

The sewer system components included in this project are between 50 and 100 years old. Aging sanitary sewer lines need to be evaluated to assess their current conditions and design preventative maintenance projects to extend the life of the pipe. If found to be in suitable condition, much of the sewer inspected during this project will be included in a future project to line the existing pipe.

Project Work Scope

Hydromax shall survey, using camera and sonar, 25,240 linear feet of sanitary sewer pipe. They will provide their collected data in a hard copy report as well as include electronic files with video and sonar data.

Evaluation and Selection Process

Two vendors were identified who provided the ability to survey trunk mains with heavy flow conditions. Each provided similar rates for their services. Hydromax has the added ability to use a laser system to determine existing pipe thickness should the City need to use this service. After discussing our local conditions, Hydromax was selected as the favorable service provider for this task.

Conclusion

City staff recommends awarding the Professional Services Agreement to Hydromax USA in the amount of \$125,000.00

Fiscal Impact:

City sanitary funding is programmed to fund the project cost. The attached Professional Services Agreement summarizes the project costs.

Alternatives:

The City Commission could vote to disapprove of the Professional Services Agreement.

Attachments/Exhibits:

1. Professional Services Agreement (Not available online; on file in City Clerk's Office.)