

CITY OF COOS BAY CITY COUNCIL
Agenda Staff Report

MEETING DATE	AGENDA ITEM NUMBER
February 17, 2015	

TO: Mayor Shoji and City Councilors

FROM: Jessica Spann, Engineering Service Coordinator

THROUGH: Rodger Craddock, City Manager *RC*
Jim Hossley, Public Works Director *JH*

ISSUE: Award Work Order to HGE INC. for Design and Construction Management Services for the S. 10th Street Sewer Replacement Project

BACKGROUND:

The City's sewer collection crew performed a video investigation for the portion of sanitary sewer along S 10th Street south of Curtis Avenue and determined that there are two segments of 6 inch concrete pipe that have deficiencies. The two segments are aligned along the eastern portion of the right of way. The two segments are 462 feet in length and were constructed in 1954. The manhole that connects the two segments holds sewage which is surcharged in low flows and exhibits signs of deterioration. The surcharge is due to the flat slope of the downstream segment.

The collection crew has difficulty maintaining this line because of the deficiencies which potentially could cause further damage. Additionally, the surcharged manhole is located in the driveway of 346 S 10th Street and has the potential to back up sewage into the house in the event of a pipe failure. In the current alignment the two segments of pipe are bound by a gas main and a water main which will require increased shoring if construction occurs in the same alignment. In order to correct the slope of the pipe it has been determined that a formal engineered design must occur. It is anticipated that the engineer will recommend relocating the pipe towards the center of right of way. This will potentially reduce construction costs and reduce the possibility of damaging existing adjacent utilities. While it is understood that this job is an emergency project, it is believed that if properly inspected and maintained in the interim, staff has time to contract with an engineer, prepare a design, and advertise a formal bid. It is anticipated that construction will commence in summer of 2015.

ADVANTAGES:

By authorizing the engineering design of this project it is anticipated that a pre-existing condition (surcharged manhole and flat pipe) will be resolved. In addition, with engineered plans and detailed quantities the City will obtain formal competitive bids that could result in a lower repair cost.

DISADVANTAGES:

As a result of the deficiencies the City's sewer collection crew is monitoring and maintaining these

segments more frequently. Additionally, there is a potential that the line could fail before design and bid advertisement is complete.

BUDGET IMPLICATIONS:

Due to the deficiencies it has been determined that this project is an emergency project. A cost of \$29,015 has been submitted by HGE INC. (under the Miscellaneous Services Contract) for the engineering design, bidding and construction management services. Due to unforeseen challenges, a 20% contingency in the amount of \$5,803 is recommended. This project will be funded by the Wastewater Improvement Fund, WW Emergency (29-810-530-3010).

This cost is just for the design, bidding and construction management services. Once design is complete and has been advertised staff will provide a report that presents the cost of construction.

RELATED CITY GOAL:

The approval of this amendment will help the City meet the goal that states, "Infrastructure and Services: To maintain and improve the City's physical infrastructure and provide quality services for current and future citizens." This project will help Ensure that the City can protect and enhance the useful life of their utilities and facilities.

ACTION REQUESTED:

If it pleases the Council, approve the award the work order to HGE INC. for design and construction management services for S. 10th Street Sewer Replacement Project for the cost of \$34,818.