

CITY OF COOS BAY CITY COUNCIL
Agenda Staff Report

MEETING DATE December 15, 2015	AGENDA ITEM NUMBER
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TO: Mayor Shoji and City Councilors

FROM: Jennifer Wirsing, Wastewater Project Engineer

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

ISSUE: Award Contract to the Dyer Partnership for Permitting and Design for the 6th Avenue Emergency Culvert Replacement Project

BACKGROUND:

There is an existing wood box culvert located under 6th Avenue approximately 300 feet south of F Street in Eastside. The culvert conveys flows from an existing drainage ditch to the slough. During a scheduled video investigation, the City's sewer collection crew observed a sinkhole located on the east embankment which was caused by a failure within the top portion of the culvert. An emergency repair was performed. Material was removed, a steel plate was installed along the top of the box culvert for reinforcement, and rip rap was placed along the embankment for stabilization.

This temporary repair was performed by Knife River and approved (after the fact) by City Council on December 1, 2015. The timely repair minimized further damage from occurring to 6th Avenue and potentially prevented damage occurring to the existing utilities thus preventing the City from incurring additional repair costs. However, a permanent solution must be designed, permitted, and constructed. Due to the material of the box, this culvert is beyond its useful life.

Based on Section 20 (titled *Direct Appointment Procedure for Personal Services Contracts*) of the City's Purchasing Rules (Administrative Directive No. 15) it states a direct appointment is possible provided the following requirements from Section 20(b)(1) and (c) are adhered to:

Section 20. Direct Appointment Procedure for Personal Services Contracts.

(b) The direct appointment procedure may be used when:

(1) circumstances which could not reasonably have been foreseen create a substantial risk of loss, damage, interruption of services, or threat to the public health or safety and require the prompt performance of services to remedy the situation

(c) Direct appointment pursuant to this Section shall be competitive to the extent practicable and may be based on criteria, including, but not limited to, the consultant's availability, capabilities, staffing, experience, and compensation information.

In accordance with Section 20(b)(1) and 20(c), the findings describing the emergency conditions necessitating the prompt execution of the contract are as follows:

The Oregon Department of Fish and Wildlife (ODFW), under its authority to manage Oregon's fish and wildlife resources, has guidelines for timing of in-water work. The in-water work window is from October 1st to February 15th. A replacement project of this size cannot be designed, bid, and constructed by February 15, 2016. Therefore, the City is proposing to complete design, obtain the regulatory permits, and bid the project for the next in-water work window which is October 1, 2016 through February 15, 2017. However, due to the unknowns of the environmental permitting this schedule is aggressive.

City staff consulted with the Dyer Partnership for the emergency repair of the sinkhole, and they have knowledge of the project. They are also currently under contract with the City under the Miscellaneous Engineering Services project (that contract has a \$75,000 project limit). The projects that they have worked on have had past success with both design and construction. They have also committed to provide the resources necessary to complete the design and environmental permitting portion of this project. They were instrumental in recommending the temporary repair for the existing culvert, and they have already met with the resource agencies and provided preliminary planning and cost estimates. Due to their availability and experience with past projects, the staff has recommended their services for this project.

It should also be noted that the main entrance to and from Eastside is 6th Avenue. If this culvert were to fail, truck traffic would be significantly impacted. Also if this culvert and the McCullough Bridge were closed at the same time, it would hinder access to and from Eastside significantly. Additionally, the failure of this culvert could also cause flooding damage to the upstream properties as well as exiting utilities. In order to be ready to mobilize a contractor by October 1, 2016 (beginning of in-water work window) design, permit approvals, bidding, and contractor award must be completed by summer 2016. Due to the size and complexity of the project, the contractor will in all likelihood need 60-90 days lead time to order materials for the project.

ADVANTAGES:

This project has been outlined in the City's Storm Water Master Plan as being under sized, in poor condition, and should be replaced. While the proposed planning is no longer feasible due to new regulatory requirements and exiting utilities, it was recognized that this existing culvert was undersized and past its useful life. Replacing this culvert will satisfy one of the goals in the Storm Water Master Plan.

By authorizing the engineering design of this project, the City can proceed forward with the replacement of this culvert which will prevent further damage to the existing road, the channel, upstream properties, existing utilities, and not cause access issues to Eastside. 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 collapse of this portion of culvert, the City's sewer collection crew is monitoring this area more frequently. The daily monitoring of this area takes time away from other daily duties the

collection crew has. Additionally, it is undetermined how long the temporary fix will remain in place. Also a project of this size will require significant funds. While only preliminary, the Engineer's estimate that the replacement will cost approximately \$670,000.

BUDGET IMPLICATIONS:

Due to the importance of maintaining this culvert and short timeframe associated with the in-water work window, it has been determined that this project is an emergency project. A cost of \$87,970 has been submitted by The Dyer Partnership Inc. for civil, geotechnical, and structural design. Due to the unforeseen challenges, a 10% contingency in the amount of \$8,797 is recommended for a total of \$96,767. This project will be funded by the Wastewater Improvement Fund, Department 810 and WW Emergency (29-810-530-3010).

This cost is only for permitting and the design. Once design is complete, staff will provide a report that presents bidding and construction management services along with a more detailed cost estimate for construction.

ACTION REQUESTED:

If it pleases the Council, approve the award of contract to The Dyer Partnership for permitting and design services for the 6th Avenue Emergency Culvert Replacement Project for the cost not to exceed \$96,767.