


CITY OF COOS BAY CITY COUNCIL
Agenda Staff Report

MEETING DATE	AGENDA ITEM NUMBER
April 5, 2016	

TO: Mayor Shoji and City Councilors

FROM: Jennifer Wirsing, Wastewater Project Engineer

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

ISSUE: Consider Approval of Addendum for the Design Services for Blossom Gulch Sewer Pipe Replacement Project

BACKGROUND:

Per Council approval on September 1, 2015 (see attached), Staff commenced with the Infrastructure Finance Authority (IFA) Loan 1 project titled, *Blossom Gulch Pipe Replacement*. The Blossom Gulch project is being designed by HGE and 90% design is complete with the anticipation of completing final design in April and construction in summer 2016.

Prior to this IFA project commencing, Staff became aware of a deficient segment of pipe (240 feet in length), located on S.10 Street immediately south of the Blossom Gulch project. HGE investigated and due to the size and large limits of the deficiencies it was recommended to perform a temporary repair and design an ultimate fix. The temporary repair was performed and HGE has completed this design. At this time, Staff has not requested bids for this project due to budgetary constraints in the wastewater emergency fund.

Staff has presented to the IFA project manager the possibility of combining the construction of these two projects (the IFA funded Blossom Gulch sewer replacement project with the emergency sewer replacement project on S. 10th Street). Staff reviewed the Loan 1 budget, the projects that have been completed along with the projects remaining, and based on the engineer's estimate, it is believed that the additional construction of the emergency project can be included in the funds remaining associated with Loan 1.

Combining these projects into one bid package will result in additional work by the engineer. The work has been estimated to be \$7,840 (see attached for engineer's explanation)

ADVANTAGES:

By combining these projects it will allow for the emergency portion to be constructed this summer and potentially reduce any further damage to S. 10th Street and adjacent utilities.

IFA granted the City a \$4,803,213 loan at an interest rate of 1.94% and a \$500,000 grant. The City cannot utilize the grant until the loan has been expended. Due to several of the projects coming in under budget, there are additional budgeted funds for Loan 1. Combining these two

projects for construction allows the City to fix two deficient sanitary sewer lines while maximizing the benefits (the grant money) of Loan 1.

Combining these projects and funding the emergency work through IFA, as opposed to the emergency account in the Wastewater Improvement Fund 29, allows for additional emergency projects to be completed.

DISADVANTAGES:

Staff sees no disadvantages.

BUDGET IMPLICATIONS:

The source of funds for this project is from the Oregon Infrastructure Finance Authority Loan #1 (29-810-530-3015). The original amount of the Design Services contract was \$26,600. Combining these two projects will cost an additional \$7,840 for a total cost of \$34,440. Staff has recommended a 15% contingency of \$5,166 for a total amount of \$39,606. This cost is only for design, a contract for bidding and construction management services for both of these segments will be provided to council for approval summer 2016.

ACTION REQUESTED:

If it pleases the City Council, award the addendum for Design Services for Blossom Gulch Sewer Pipe Replacement project to HGE, Inc. for an amount not to exceed \$39,606 without prior approval from Council.

ATTACHMENT:

September 15, 2015 Staff Report
HGE Letter Regarding Combination of Projects (S. 10th Street and Blossom Gulch)

CITY OF COOS BAY CITY COUNCIL
Agenda Staff Report

MEETING DATE September 1, 2015	AGENDA ITEM NUMBER
--	---------------------------

TO: Mayor Shoji and City Councilors

FROM: Jessica Spann, Engineering Services Coordinator

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

ISSUE: Consider Award of Contract for Design Services for Blossom Gulch Sewer Pipe Replacement Project

BACKGROUND:

The City conducted a citywide smoke testing analysis in 2009 to determine and locate deficiencies in the City's wastewater collection system in an overall effort to discover where inflow and infiltration (I/I) is occurring. The I/I investigation identified numerous sections of public infrastructure that need repair. Since 2010, twenty-three sewer line projects have been completed, and three more are under contract. At this time, staff would like to commence on the design phase for two more segments identified by the I/I investigation.

One segment is a 6-inch clay sanitary sewer main along S 10th Street that begins at Curtis Avenue and extends approximately 230 feet to the north. The existing 6-inch clay pipe will be replaced with 8-inch PVC. The other segment consists of 9-inch diameter corrugated metal sanitary sewer main. This segment starts at the intersection of S 10th Street and Curtis Avenue and extends easterly approximately 610 feet. The existing 9-inch corrugated metal pipe will be replaced with 10-inch PVC. All of the proposed improvements will be designed in conformance with the recommendations from the City's adopted wastewater collection master plan.

The Coos Bay firm of HGE, Inc., one of the City's miscellaneous engineering services consultants, has been selected to perform the design for this project. The design is expected to take 6 months to complete. Construction is expected to commence in the summer of 2016.

ADVANTAGES:

The project to replace these two segments is one of the projects from the City's 20-year take down list for sanitary sewer and storm drain improvements, and is funded with the loan and grant obtained from IFA. If Council approves the award of this contract, the City can complete the project and repair a badly damaged sewer line thus preventing any further damage to the street, right of way, private lines and existing utilities. Additionally the repair of this line will minimize I/I from entering the system

DISADVANTAGES:

Staff sees no disadvantages.

BUDGET IMPLICATIONS:

The source of funds for this contract is from the Oregon Infrastructure Finance Authority Loan #1 (29-810-530-3015). The amount of the Design Services contract is \$26,600. Staff has recommended a 15% contingency of \$3,990 for a total amount of \$30,590. Additional future engineering related expenditure for this project may include bidding and construction management services.

ACTION REQUESTED:

If it pleases the City Council, award the Contract for Design Services for Blossom Gulch Sewer Pipe Replacement project to HGE, Inc. for an amount not to exceed \$30,590 without prior approval from Council.

ATTACHMENT:

Project Area Map

Blossom Gulch Sewer Pipe Replacement Project





ARCHITECTS
ENGINEERS
SURVEYORS
PLANNERS

375 PARK AVE
SUITE 1
COOS BAY
OREGON
97420

541.269.1166
FAX 541.269.1833
www.hge1.com

City of Coos Bay
500 Central Ave.
Coos Bay, OR 97420

Attn: Jessica Spann, Engineering Service Coordinator

Re: **Combination of Projects 150071 and 160031 (S. 10th St. & Blossom Gulch)**
Engineering Services Amendment Request

The City desires to combine the S. 10th Street Sanitary Sewer Replacement Project (150071) and the Blossom Gulch I&I Project on Curtis Ave. and S. 10th Street (160031) into one project with one set of construction documents and two construction schedules. Final documents for Project 150071 were completed and approved in November of 2015. Preliminary drawings for Project 160031 have also been completed. Construction of these projects is to occur this summer.

Some additional engineering work will be required to combine these projects. We propose to use the newer specifications begun for 160031 (including the 2013 EJDC documents) and combine all necessary specifications from the completed documents from 150071. The bid forms will be redone and a single bid form with two separate schedules will be prepared. The documents will be arranged so that bid award for both schedules will be to the lowest responsible bidder on the combined price of both schedules. The documents will also require work to begin with Schedule 1 (S. 10th St. Sanitary Sewer Replacement). The plans will be modified with new borders for a single project (new stamp is needed for 150071 anyway) with two bid schedules, new sheet index, new cover sheet, combination of details, etc. to develop a proper and uniform plan set for both schedules.

Although the work to combine the projects is straightforward, it will be fairly time-consuming as every plan sheet will need to be modified and the specifications will need to be gone through page by page to properly merge the two.

I would propose an additional fee-not-to-exceed amount of \$7,840 to complete all work necessary to merge the two projects into one. It is understood that a construction start date in mid-June is needed.

Thank you again for the opportunity to work for the City of Coos Bay.

Respectfully,
HGE INC., Architects, Engineers,
Surveyors & Planners

Robert Bynum, P.E.
Senior Engineer