


CITY OF COOS BAY CITY COUNCIL
Agenda Staff Report

MEETING DATE October 21, 2014	AGENDA ITEM NUMBER
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TO: Mayor Shoji and City Councilors

FROM: Jim Hossley, Public Works Director 
Jennifer Wirsing, Wastewater Project Administrator

THROUGH: Rodger Craddock, City Manager 

ISSUE: Amendment to the Wastewater Treatment Plant 2 Project Contract for the Demolition of the Existing Plant 2 Site

BACKGROUND:

For the last two years, Staff has worked with the design team of SHN/CH2M HILL on the pre and final-design for WWTP 2. Earlier this year, council approved the contract to have SHN/CH2M HILL commence on final design plans. It is anticipated that Final Design will be completed early 2015 and construction will commence no later than summer of 2015.

In conjunction with pre-design and final design, Staff contracted with Dyer Partnership to perform a regional analysis for Biosolids Handling. Dyer Partnership has completed their analysis and as such they have determined that biosolids handling can be removed altogether at Plant 2. The concept involves installing a force main that will transport sludge (WAS) from the new Plant 2 site to the existing digesters at Plant 1. At this time, Council has approved an amendment for the WAS force main to be included with the overall construction of the new Plant 2.

As you may recall, the original plan was to keep the existing Plant 2 on-line and utilize the digesters. However, with the installation of the WAS force main, keeping the existing Plant 2 online is unnecessary. As such, the existing plant can be demolished once the new Plant 2 is online. In order to save costs, it is proposed that the demolition of the existing plant be incorporated into the overall Plant 2 construction project.

The proposed demolition of the existing Plant 2 site is to remove all structures above grade and remove all structures and piping down to an elevation of 3 feet below grade. The design team of SHN/CH2M HILL has submitted an amendment to the contract for \$11,500 to prepare the demolition plans and specifications.

ADVANTAGES:

By including the demolition of the existing Plant 2 with the construction of the new Plant 2 it will decrease the design costs. There will be no "ramp up" time for a new engineer to become familiar with the plans and no additional costs will be required for bidding. The demolition plans and specifications will be included with the overall plans and specifications for Plant 2, this is also anticipated to reduce costs because combining the projects will also eliminate the need for another construction company to mobilize. By having one general contractor be in charge of both the construction projects it will eliminate any potential scheduling conflicts and the general contractor will

be responsible to work with the City and the City's operators to ensure that permit is met during all phases of construction, including demolition. Meeting permit can be difficult during plant upgrades and it is important to have a team that is familiar with the City's system and operators.

Another advantage to demolishing the existing plant is to reduce a safety issue. Removal of the existing plant will help reduce security and safety issues as opposed to leaving the structures in place. Removal of the plant will also better equip the City to facilitate any future use of the property.

The demolition of the existing Plant 2 will also be a part of the Construction Manager/General Contractor (CMGC) contract. As such a guaranteed maximum price (GMP) will be established through a competitive bidding process and the contractor will be involved with the demolition plan from the beginning so there will be less likelihood for any unexpected changes.

DISADVANTAGES:

Not authorizing this work to be performed in conjunction with the Plant 2 design and construction, it has the potential to cost the City more money in engineering and construction costs. Additionally, there is a potential safety hazard if the structures are not removed.

BUDGET IMPLICATIONS:

Funds for this project will come from the IFA loan, Wastewater Improvement Fund, Wastewater Collection – IFA #2 (29-810-530-3018). The amendment amount is \$11,500 which brings the total contract to \$1,803,217.

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 City Council, approve the amendment to the Wastewater Treatment Plant 2 project for the demolition of the existing Plant 2 Site to the design team of SHN/CH2M HILL for an amount not to exceed \$11,500.