



AGENCY: City Council
MEETING DATE: October 10, 2023
DEPARTMENT: Public Works
PRESENTED BY: John Smith
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AGENDA ITEM SUMMARY

TITLE:

RECEIVE REPORT AND CONSIDER ADOPTION OF CITY COUNCIL RESOLUTION APPROVING CONTRACT AMENDMENT WITH HDR ENGINEERING INC. FOR THE WATER TREATMENT PLANT REHABILITATION PROJECT BID AND CONSTRUCTION SERVICES, PROJECT NO. WTR-00017, INCREASING THE AMOUNT OF THE DESIGN CONTRACT WITH HDR ENGINEERING, INC., AND AUTHORIZING CITY MANAGER TO EXECUTE SAME (AMOUNT NOT TO EXCEED \$576,513; ACCOUNT 615-6006-0731)

ISSUE:

The Public Works Department released the Request for Proposals (RFP) for design services for the Water Treatment Plant Rehabilitation Project on October 20, 2020. On November 20, 2020, the City received four (4) responsive bids, although one arrived a few minutes late. The project involved numerous improvements to various portions of the Water Treatment Plant (WTP) and the bid responses were in some cases challenging to evaluate against each other, as some firms provided a single cost, while others presented a "base" cost with "extra" services to select from. However, the Department was able to fairly evaluate the proposed services against the proposed cost, in order to make a recommendation.

ANALYSIS:

At its regular meeting on June 13, 2022, the Fort Bragg City Council approved a resolution authorizing the City Manager to represent the City of Fort Bragg during the application process for funding assistance from the Drinking Water State Revolving fund for the rehabilitation of the City's Water Treatment Plant and Finished Water Tank Project. Authorizing that resolution started the application process that would eventually turn into an \$11,100,000 allowance to complete necessary improvements that will provide the greatest benefit to our customers.

The Water Treatment Plant (WTP) was originally built in 1958. There was a major treatment process upgrade at the plant in 1986 which made the nominal plant capacity 2.2 MGD. The upgrade replaced the old treatment process with two packaged Trident® filter treatment units (FTUs). Since then the treatment process has mostly remained unchanged. The last major improvement project at the plant was constructed in 2004 and modified the raw water storage ponds to construct backwash water storage ponds.

The current treatment process relies on two packaged Trident® FTUs, which were installed in 1986. The FTUs receive pumped raw water from the two unlined raw water storage ponds. The FTUs employ three basic treatment elements: 1) adsorption, 2) clarification, and 3) filtration, all inside the packaged unit. After raw water is treated by the FTUs, the filter effluent is disinfected before it is directed to the finish water clear well. The finish water is then pumped up to storage tanks where it is stored prior to city-wide distribution.

Construction of this project will improve efficiencies, including water savings and some labor reduction, within the water plant. The improvements will also include lined reservoirs at the treatment plant. Public Works is dedicated to being good stewards of our environment. This project is one of

many that will reduce the City's environmental footprint.

RECOMMENDED ACTION:

Approve a contract amendment for an additional \$150,000 to include bid and construction services for the project, increasing the budget to \$576,513.

ALTERNATIVE ACTION(S):

Not provide funds for these services.

FISCAL IMPACT:

Reduction in Water Enterprise capital reserves to provide additional funds to the project QA/QC.

CONSISTENCY:

The project is consistent with the general plan.

IMPLEMENTATION/TIMEFRAMES:

Within 45 days of appropriate signatures.

ATTACHMENTS:

1. Resolution
2. Budget Amendment

NOTIFICATION:

HDR Inc