



AGENCY: City Council
MEETING DATE: February 26, 2024
DEPARTMENT: Public Works
PRESENTED BY: John Smith
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AGENDA ITEM SUMMARY

TITLE:

Adopt City Council Resolution Awarding the Water Treatment Upgrade Project, City Project No. WTR-00017, to Wahlund Construction, Inc. as the Lowest Responsible Bidder and Authorizing City Manager to Execute Contract (Not To Exceed \$10,550,380) Subject to City Attorney Approval as to Form

ISSUE:

The Water Treatment Plant Upgrade Project (Project) construction and construction management services contracts were let to bid In December of 2023. Both the construction contract and the construction management contract are being presented for consideration, this evening under separate business items.

Bids for construction of the Project were opened on January 23, 2024. Three bids were received. The lowest base bid came from Wahlund Construction \$10,550,380. Terrecon Constructor, Inc. was the second lowest bid at \$10,673,821 followed by Clark Bros. Inc. with a bid of \$12,114,250.

ANALYSIS:

The City is preparing to start construction on the Project. The filter treatment units (FTU) were put into operation 35 years ago and are nearing the end of their useful life. The shell construction consists of coated carbon steel. The City has observed corrosion, inside and outside, on the shell due to deterioration in the coating. The spread and the severity of the metal degradation is not readily apparent; only abrasive blasting during surface preparation stage of the coating rehabilitation work will definitively uncover the extent of deterioration. Severe corrosion is expected at the air scour interface on the clarifier side of the FTUs. Furthermore, the filter and clarifier media, interior structural elements (such as media support grating and retention screen mesh), instrumentation, and controls of the FTUs are in a progressive stage of deterioration and need to be replaced. The existing FTUs rely on an outdated rotary surface wash system to wash the filter media. This wash system has deteriorated the topmost layer of the filter media, which consists of coal, and has reduced its treatment effectiveness. Additionally, the updated rotary wash system technology is anticipated to become difficult to source in the future. The existing waste flap gate is in good condition; however, the remainder of the critical instrumentation needs to be replaced.

The exterior of the facility will receive a facelift. This will include the shell of the pump room, which will be replaced with a new structure. This building was the original structure from the 1950's and was sided with plywood. It has been deteriorating for a number of years. Within the building, unnecessary plumbing and electrical equipment will be removed and pumps will be sent out to be rehabilitated. The existing lab will be moved to allow space for operators to complete daily compliance tasks with greater efficiency. The treatment plant will receive

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new roofing to replace the existing roof from the 1980's. Electrical equipment will be replaced or upgraded where necessary.

One of our three water tanks (tank 2) will receive a few plumbing adjustments and new paint inside and out, extending the life of the asset. Our two raw water ponds will receive liners to prevent exfiltration and the floating cover will be reinstalled, making sure there is no water loss. Similarly, the backwash ponds will receive a concrete barrier to reduce maintenance of the basins.

FISCAL IMPACT:

The construction and construction management of this project is fully funded by the State Water Resources Control Board. The total project budget available through the grant, which includes construction and construction management, is \$11,099,340. The engineer's estimate of probable cost provided by HDR Engineering and dated September 30, 2022 was for \$9,999,400.

The budget below shows a shortage. The State will provide funds to complete the project. Our engineer at the State provided the form to request additional funds. The State had no issue with the City awarding the project and requesting funds afterward.

Budget	-	\$11,099,340
Wahlund Bid	-	\$10,550,380
<u>SHN</u>	-	<u>\$757,000</u>
Total		(\$208,040)

ENVIRONMENTAL ANALYSIS:

The Project is exempt under the California Environmental Quality Act ("CEQA") and Title 14, the California Code of Regulations ("CEQA Guidelines"), Sections 15301 Existing Facilities & 15304 Minor alterations to land. These exemptions are appropriate because the project involves negligible expansion of use. The proposed alterations on the preexisting facilities are mainly repair and maintenance and do not expand the footprint of the site or surrounding area.

There will be a short-lived increase in greenhouse gas emissions during the construction phase due to the equipment necessary for the performance of the work. Increases in greenhouse gases will only occur during actual construction. All Air Quality Management District best management practices for minimizing greenhouse gas emissions during construction will be incorporated into the daily activities of this project.

CONSISTENCY:

Completion of this project is consistent with the goal of improving the resiliency of the City's water system and the goals of the grant that will fund this contract.

RECOMMENDED ACTION:

Accept the bid of Wahlund Construction Inc. and adopt the Resolution awarding the contract for construction to Wahlund Construction Inc. for the Project.

ALTERNATIVE ACTION(S):

Direct staff to reject all current bids and re-bid the project.

IMPLEMENTATION/TIMEFRAMES:

Bid Opened – January 23, 2024

Award Construction Contract – February 26, 2024

Start Construction – April 2024

Complete Construction – July 2025

ATTACHMENTS:

1. Bid Opening
2. Resolution
3. Contract

NOTIFICATION:

1. Wahlund Construction Inc.
2. Clark Bros. Inc.
3. Terracon constructor, Inc.