



**AGENCY:** City Council  
**MEETING DATE:** February 26, 2024  
**DEPARTMENT:** Public Works  
**PRESENTED BY:** John Smith  
**EMAIL ADDRESS:** jsmith@fortbragg.com

## AGENDA ITEM SUMMARY

### **TITLE:**

**Adopt City Council Resolution Approving Professional Services Agreement with SHN Consulting Engineers & Geologists, Inc. to Provide Construction Management Services for the Water Treatment Overhaul Project, City Project No. WTR-00017, and Authorizing City Manager to Execute Contract (Amount Not To Exceed \$757,000)**

### **ISSUE:**

A Request for Proposals (RFP) for Construction Management Services for the Water Treatment Plant Overhaul ("Project") was issued on December 5, 2023 and proposals were opened on January 12, 2024. One proposal was received, from SHN Consulting Engineers and Geologists, Inc. Based on prior experience with the firm and project budget, staff recommends awarding to the contract to SHN Consulting Engineers and Geologists, Inc. Their proposal was responsive, they are qualified to perform the work, and their submittal is within the allotted budget amount.

### **ANALYSIS:**

The City is preparing to start construction on the Water Treatment Plan Upgrade Project. The existing conditions of the facility are described as follows. 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 The existing FTUs rely on an outdated rotary surface wash system to wash the filter media.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 City of Fort Bragg requested proposals from qualified construction management consultants interested in contracting with the City to perform construction management services for the Project. The original solicitation was sent to dozens of consultants. The services of the Construction Management firm include, oversight of construction staking, chairing regular progress meetings, observation of selected construction activities, field inspection and documentation, complete daily inspection reports, monitoring Storm Water Pollution Prevention Plan (SWPPP) best management practices, assistance with necessary reporting, as well as administration and document recordkeeping for the contract.

**AGENDA ITEM NO.**

**RECOMMENDED ACTION:**

Public Works Staff Recommend Adopting the Resolution Awarding the Professional Services Agreement for Construction Management to SHN Consulting Engineers and Geologists, Inc. for the Water Treatment Plant Upgrade Project.

**ALTERNATIVE ACTION(S):**

Direct staff to reissue the Request for Proposals for Construction Management Services.

**FISCAL IMPACT:**

The source of funding for the construction and construction management of the project is the California State Water Resources Control Board. The City was awarded \$11,099,340 in grant funds for the execution of this project. The grant will fund this contract.

Construction Management services typically cost 10%-15% of the base bid. SHN's proposal was \$757,000, or 7.4% of the construction bid. The primary cost savings of SHN can be achieved because they will utilize local employees and run their materials testing and compaction testing through their Willits Office. There is adequate budgeted funding available for this project as bid.

**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:**

Construction of this project is consistent with the goal of increasing the reliability of the City's water system.

**IMPLEMENTATION/TIMEFRAMES:**

Proposals in response to RFP opened – January 12, 2024  
Professional Services Contract awarded – February 26, 2024  
Start Construction – April 2024  
Complete Construction – September 2025

**ATTACHMENTS:**

1. Resolution
2. SHN Agreement

**NOTIFICATION:**

1. Jason Island, PE SHN