



## Folsom City Council Staff Report

<b>MEETING DATE:</b>	7/8/2025
<b>AGENDA SECTION:</b>	Consent Calendar
<b>SUBJECT:</b>	Resolution No. 11422 - A Resolution Authorizing the City Manager to Execute an Agreement with Water Works Engineers, LLC for Pre-Design Services for \$161,160 from the Sewer Operating Fund (Fund 530) for the Oak Avenue Lift Station and Force Main Project (WW2601)
<b>FROM:</b>	Environmental and Water Resources Department

### **RECOMMENDATION / CITY COUNCIL ACTION**

The Environmental and Water Resources Department recommends the City Council pass and adopt Resolution No. 11422 - A Resolution Authorizing the City Manager to Execute an Agreement with Water Works Engineers, LLC for Pre-Design Services for \$161,160 from the Sewer Operating Fund (Fund 530) for the Oak Avenue Lift Station and Force Main Project (WW2601).

### **BACKGROUND / ISSUE**

The Environmental and Water Resources (EWR) Department identifies sewer infrastructure rehabilitation and replacement projects through sewer master plans and ongoing sewer condition assessment programs. As part of the City's Sewer System Management Plan for its wastewater collection system, the EWR Department performs ongoing condition assessments on the wastewater system and corrects any defects/deficiencies identified through this process. Through these efforts, City staff identified the Oak Avenue Lift Station and Force Main Project as needing improvements.

Currently, the Oak Avenue Parkway Sewer Lift Station has had several mechanical, electrical, and operational performance issues. Additionally, the existing 18-inch force main has failed twice due to longitudinal cracking caused by poor pipe bedding conditions during the original installation in 2002, resulting in costly emergency repairs and sanitary sewer spills in a high traffic area of the City.

In January 2025, the EWR Department completed the design and construction administration pre-qualification process and shortlisted ten engineering firms to provide on-call design and construction administration services. On March 21, 2025, the City issued a request for proposal for pre-design services for the Oak Avenue Lift Station and Force Main Project to all ten shortlisted on-call engineering firms. Of the ten firms, five firms chose to submit proposals to the City.

The pre-design report will serve as the basis for the future design effort of the development of plans and specifications for the Oak Avenue Lift Station and Force Main Project. The pre-design approach is broken into the following components:

- Oak Avenue Lift Station Site Analysis
- Oak Avenue Force Main Alignment Alternatives
- Project Management
- Review Available Information and Perform Site Investigation
- Geotechnical Desktop Study
- Preliminary Survey
- Preliminary Environmental Constraints
- Utility Coordination “A” Letters
- Pre-Design Alternatives Analysis and Workshop
- Pre-Design Report
- Schedule

This resolution will authorize the City Manager to execute an agreement with Water Works Engineers, LLC for Pre-Design Services for the Oak Avenue Lift Station and Force Main Project.

### **POLICY / RULE**

In accordance with Chapter 2.36 of the Folsom Municipal Code, supplies, equipment, services, and construction with a value of \$75,049 or greater shall be awarded by City Council.

### **ANALYSIS**

On March 21, 2025, the City issued a request for proposals for the Pre-Design Services for the Oak Avenue Lift Station and Force Main Project. On May 14, 2025, EWR received five proposals from Domenichelli & Associates, Inc., HDR Engineering, Inc., HydroScience Engineers, Inc., Verdantas Inc. and Water Works Engineers, LLC.

The five proposals were evaluated by five EWR staff members for technical evaluation prior to reviewing project costs. The proposals were reviewed and scored for project understanding, qualifications, deliverables, and project team staffing. The technical evaluation scores are shown in Table 1.

<b>Consultant</b>	<b>EWR 1</b>	<b>EWR 2</b>	<b>EWR 3</b>	<b>EWR 4</b>	<b>EWR 5</b>	<b>Average</b>
HydroScience Engineers Inc.	65	55	58	55	69	60.4
Water Works Engineers, LLC	60	69	70	65	65	65.8
Verdantas Inc.	52	61	53	53	63	56.4
HDR Engineering, Inc.	68	67	70	57	70	66.4
Domenichelli & Associates, Inc	52	58	53	61	60	56.8

*Table 1: Consultant Technical Scores without Costs*

After reviewing each proposal for project understanding, qualifications, deliverables, and project team staffing, the proposals were reviewed for project costs. The fee schedules for the scope of work outlined in the request for proposals from each consultant are shown in Table 2.

<b>Consultant</b>	<b>Hours</b>	<b>Fee Amount</b>	<b>Cost/Hour</b>
HydroScience Engineers Inc.	664	\$197,300	\$297
Water Works Engineers, LLC	840	\$161,160	\$192
Verdantas Inc.	586	\$131,021*	\$224
HDR Engineering, Inc.	924	\$288,221	\$312
Domenichelli & Associates, Inc	1,196	\$306,088	\$256

*Table 2: Consultant Project Costs and Project Hours*

*\*Corrected cost due to math errors in Proposal*

Water Works Engineers, LLC was determined to provide the best value to the City based on the scope of work provided in their proposal, the project team, their expertise for these types of projects, the total fee amount and overall cost based on the assumed number of hours proposed to complete the work. Although Verdantas Inc. has the lowest project cost, the Water Works Engineers project team provided more experience and qualifications relevant to the type of work necessary for this project. Given the complexity of the location of this pump station and the force main, the experience and qualifications is critical in developing the best alternative to move forward with for the design. Staff also believes that the alternatives analysis for the pump station site and proposed pipeline alignment will require more hours than provided by Verdantas. When compared to the other proposals, the number of hours for the alternatives analysis provided by Verdantas was approximately 254 hours less. Table 3 shows the overall total scores including project costs based on a maximum score of 100.

<b>Consultant</b>	<b>Technical Score (Avg.)</b>	<b>Cost Score</b>	<b>Total Score</b>
HydroScience Engineers Inc.	60.40	16.37	76.77
Water Works Engineers, LLC	65.80	22.66	88.46
Verdantas Inc.	56.40	23.23	79.63
HDR Engineering, Inc.	66.40	13.37	79.77
Domenichelli & Associates, Inc	56.80	14.72	71.52

*Table 3: Consultant Overall Scoring Including Project Costs and cost per hour*

This resolution will authorize the City Manager to execute an agreement with Water Works Engineers, Inc. for Pre-Design Services for the Oak Avenue Lift Station and Force Main Project for a not to exceed amount of \$161,160.

## **FINANCIAL IMPACT**

The Oak Avenue Lift Station and Force Main Project (WW2601) is included in the Fiscal Year 2025-26 Capital Improvement Plan. Sufficient funds in the amount of \$161,160 are budgeted and available in the Sewer Operating Fund (Fund 530).

## **ENVIRONMENTAL REVIEW**

An environmental opportunities and constraints analysis will be performed as part of the design process. The analysis will include a general approach to the environmental compliance process, including a recommendation for any California Environmental Quality Act (CEQA) documentation and identification, identification of potentially required regulatory permits, and a general mitigation strategy and cost estimate.

## **ATTACHMENT**

Resolution No. 11422 - A Resolution Authorizing the City Manager to Execute an Agreement with Water Works Engineers, LLC for Pre-Design Services for \$161,160 from the Sewer Operating Fund (Fund 530) for the Oak Avenue Lift Station and Force Main Project (WW2601)

Submitted,

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Marcus Yasutake, Director

ENVIRONMENTAL AND WATER RESOURCES DEPARTMENT