



# COUNCIL REPORT

**DATE:** August 30, 2022

**CATEGORY:** Consent

**DEPT.:** Public Works

**TITLE:** **Whisman Pump Station Improvements,  
Project 21-55—Amend Professional  
Design Services Agreement**

## **RECOMMENDATION**

Authorize the City Manager or designee to amend the professional design services agreement with HydroScience to provide design and construction support services for Whisman Pump Station Improvements, Project 21-55, and increase compensation by \$407,000 for a total contract amount of \$531,000.

## **BACKGROUND**

The Whisman Pump Station is located at the Municipal Operations Center (see Figure 1) and is equipped with four horizontal split-case pumps, which pump potable water from the Whisman Reservoir and distribute the water into two of the City's three pressure zones. The pump station was originally constructed in 1961. In 1998, the pump motor and check valves were replaced, and the electrical and instrumentation systems were upgraded. As the pump station continues to age, essential equipment becomes difficult to repair as replacement parts are challenging to procure.

In March 2021, staff issued a Request for Proposals (RFP) for engineering services to conduct a preliminary engineering study, final design, and construction support for the pump station. HydroScience was deemed the best-qualified firm for the work. On [June 22, 2021](#), Council approved a professional design services agreement with HydroScience in a not-to-exceed amount of \$124,000 to fund the preliminary engineering study portion of the project. In the June 22, 2021 Council report, staff indicated that upon completion of the preliminary engineering study and availability of additional funding, staff may seek Council approval to amend the agreement to add scope and funding for final design and construction support consistent with the scope of work in the RFP.

## **ANALYSIS**

The preliminary engineering study was completed in December 2021. It provided a detailed evaluation of the station related to maintenance, repairs, and upgrades considering current codes, laws, industry standards, and safety best practices.

The project is now ready to proceed into final design for the following upgrades:

- Replacement of two water pumps, structural supports, and apparatus.
- Replacement of sump pump and drainage piping.
- Replacement of electrical components such as control panels for automatic operations, pump drives, and harmonic filter.
- Installation of fall protection, seismic roof retrofit, access hatch, new piping, and supports.



**Figure 1: Project Location Map**

The general scope of work for the agreement amendment consists of:

- Preliminary and final mechanical, structural, and electrical design, including technical specifications and Engineer's cost estimate, for the improvements.

- Permit submittals to the resources agencies as required and City's Building Inspection Division.
- Bidding and construction support.

The requested amendment will add \$407,000 to the contract total, which includes \$370,000 for basic services, including reimbursable expenses, and \$37,000 for additional services. The recommended fees for the amendment are within the range typically charged for such services, and staff considers the fees to be fair and reasonable.

Staff recommends Council approve the design services agreement amendment with HydroScience to complete final design and provide construction support. If the recommendation is approved, HydroScience can begin design in October 2022 with estimated design completion in June 2023.

### **FISCAL IMPACT**

As part of the Fiscal Year 2022-23 Capital Improvement Program adopted by Council on June 28, 2022, the project budget for Whisman Pump Station Improvements, Project 21-55, was increased by \$495,000, for a total project budget of \$670,000. Project 21-55 is funded from the Water Fund. With the amendment, the contract with HydroScience will have a not-to-exceed total contract amount of \$531,000. There is sufficient funding in Project 21-55 for the recommended design services amendment of \$407,000.

### **ALTERNATIVES**

1. Do not authorize the contract amendment and defer design.
2. Provide other direction.

**PUBLIC NOTICING**—Agenda posting.

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