



# CITY OF SANTA BARBARA

## COUNCIL AGENDA REPORT

**AGENDA DATE:** October 25, 2016

**TO:** Mayor and Councilmembers

**FROM:** Engineering Division, Public Works Department

**SUBJECT:** Contract For Design Of El Cielito Pump Station Rehabilitation Project

### **RECOMMENDATION:**

That Council authorize the Public Works Director to execute a City Professional Services contract with Carollo Engineers, Inc., in the amount of \$204,301 for design services of the El Cielito Pump Station Rehabilitation, and authorize the Public Works Director to approve expenditures of up to \$20,430 for extra services of Carollo Engineers, Inc., that may result from necessary changes in the scope of work.

### **DISCUSSION:**

#### Background

The subject pump station was originally constructed in 1982, and its function is to pump water from the Sheffield Reservoirs (Tanks) to the El Cielito Reservoir. It also provides pressure for water services and fire protection in the El Cielito/Tunnel Road pressure zone.

The electrical controls for the pump station are now antiquated and becoming increasingly difficult to service due to lack of available replacement parts. The pumps were originally designed to take water from the old Sheffield Reservoir, which has since been removed and replaced with two underground tanks. The design review will update all of the engineering factors that affect pump sizing. In addition, the roofing for the structure is starting to sag, possibly from deterioration of the wood components after 34 years of service.

#### Project Description

The work consists of an assessment of the current condition of the equipment, the structure, and the piping, with recommendations for replacements. Included in the assessment will be the data collection and analysis needed to reestablish design

parameters for the performance of the pump station. Supervisory Control and Data Acquisition equipment will need to be updated with the other new equipment.

#### Design Phase Consultant Engineering Services

This phase of the work is to provide a detailed set of design plans and specifications suitable for competitive bidding for the procurement and installation of the needed equipment.

Staff recommends that Council authorize the Public Works Director to execute a contract with Carollo Engineers, Inc., (Carollo) in the amount of \$204,301 for design, \$20,430 for potential extra services, for a total amount of \$224,731. Carollo is well qualified for this type of work and was selected by staff from five firms that responded to the competitive RFP process.

#### Community Outreach

Based on the project as currently envisioned, outreach to the adjacent, neighboring property owners is planned. The proposed equipment replacement would be contained within the building and would not require any modifications to the structure itself. The only proposed exterior alteration would be the removal and replacement of the roof "in kind" with no substantive change to the building's architecture. Once the project has been fully developed and designed, the potential impacts will be defined and the plans for public outreach will be expanded, if appropriate.

#### Funding

The source of funding for this project is the Public Works Water Capital Program using the funds earmarked for Pump Station Rehabilitation. It is anticipated that the design work will be completed within Fiscal Year 2017 and the construction would be performed during low demand periods (winter) in Fiscal Year 2018.

The following summarizes all estimated total Project costs:

**ESTIMATED TOTAL PROJECT COST**

Design (by Contract)	\$224,731
Other Design Costs - City Engineering staff	49,198
<b>Subtotal</b>	<b>\$273,929</b>
Estimated Construction Contract w/Change Order Allowance	\$1,032,405
Estimated Construction Management/Inspection (by Contract or City)	89,866
Estimated Other Construction Costs (testing, etc.)	10,296
<b>Subtotal</b>	<b>\$1,132,567</b>
<b>TOTAL PROJECT COST</b>	<b>\$1,406,496</b>

There are sufficient funds in the Water Capital Program to cover these costs.

**SUSTAINABILITY IMPACT:**

The project may achieve better efficiencies with the consumption of electricity provided by Southern California Edison. This aspect will be considered when looking at the design options.

A copy of the contract/agreement is available for public review at the City Clerk's Office.

**PREPARED BY:** Linda Sumansky, Principal Engineer/TE/kts

**SUBMITTED BY:** Rebecca J. Bjork, Public Works Director

**APPROVED BY:** City Administrator's Office