



**DATE:** September 20, 2016

**TO:** Mayor and City Council

**FROM:** Director of Public Works

**SUBJECT**

I-880/SR-92 Reliever Route: Phase 1 Project – Design Agreement and Construction Agreement Amendments

### **RECOMMENDATION**

That Council adopts the attached resolutions (Attachments II and III):

1. Authorizing the City Manager to amend the Professional Services Agreement with Kimley-Horn and Associates, Inc. for an additional amount not-to-exceed \$182,000 for construction support services; and
2. Authorizing the City Manager to increase the construction contingency in the contract with O.C. Jones and Sons, Inc. from \$885,957 to \$1,952,957 for a total construction contract amount not-to-exceed \$13,002,000.

### **BACKGROUND**

Once completed, the I-880/SR-92 Reliever Route Phase 1 project will provide better access to and from the industrial area located north of State Route 92 (SR-92) and west of Interstate 880 (I-880). The project will also help relieve congestion on I-880, SR-92 and several major arterial streets, such as West Winton Avenue, Clawiter Road, Depot Road, Hesperian Boulevard, and Industrial Boulevard. Phase 2, which is a separate future project, will provide a new combined interchange at SR-92 at Whitesell Street and Clawiter Road. Phase 2 design is not scheduled and will not proceed until additional funding is identified.

On February 17, 2015, Council awarded a construction contract to O.C. Jones & Sons, Inc. for \$11,935,000. The total estimated project cost at that time was \$28,280,000.

### **DISCUSSION**

The construction project has experienced various challenges from unknown and/or unforeseen conditions that have caused the project to exceed the approved construction contingency budget and the design consultant budget. Because of the adversarial nature of the right-of-way acquisition, the design consultant had limited access to survey actual field conditions. Some of the other challenges or unforeseen conditions included additional work to:

- Meet right-of-way acquisition settlement conditions
- Relocate PG&E and AT&T facilities
- Locate underground utilities and resolve conflicts at the Water Pollution Control Facility (WPCF)
- Maintain security and access at the WPCF
- Minimize the potential for storm water and sewage overflow from the WPCF site into the storm water system drain inlets

The original contract did not propose any work at the existing Union Pacific Railroad (UPRR) tracks. A bore under the UPRR tracks was added to connect the non-potable water pipe installed on both sides of the tracks. The Sewer Improvement Fund will reimburse \$124,000 for this work to extend the non-potable water line under UPRR tracks.

### **FISCAL AND ECONOMIC IMPACT**

Staff recognized the need for additional funds while preparing the FY17 Capital Improvement Program (CIP) budget. On June 28, 2016, Council appropriated an additional \$2,400,000 for the project in the CIP’s Street System Improvement Fund based on a preliminary estimate of funding needs.

The estimated project costs are as follows:

<b>Description</b>	<b>Estimated Cost at Award of Contract</b>	<b>Current Estimated Cost</b>
Preliminary Engineering & Environmental Review	\$600,000	\$600,000
Right-of-Way Acquisition	\$9,305,000	\$11,425,000
Legal Support Services	\$900,000	\$955,000
Consultant Design, Right-of-Way & Construction Support	\$3,010,000	\$3,192,000
Construction	\$11,049,043	\$11,049,043
Construction Contingencies	\$885,957	\$1,952,957
Staff Support Services (Design, R/W, and Construction Support)	\$2,000,000	\$1,800,000
Specialty, Testing, and Outside Support Services	\$530,000	\$633,000
<b>TOTAL</b>	<b>\$28,280,000</b>	<b>\$31,607,000</b>

### Project Revenues

A total of \$27,037,000 of Alameda County Transportation Commission (ACTC) Measure B (County-wide sales tax) funds and \$533,310 from the Water Pollution Control Facility, and \$709,690 from the Street System Improvement Fund were originally dedicated for this

project. There have been additional appropriations of \$124,000 from the Sewer Improvement Fund, and \$2,400,000 from the Streets System Improvement fund.

A summary of revenues is noted in the table below:

Revenue Source	Amount
ACTC Measure B Funds	\$27,037,000
Sewer Improvement Fund	\$1,460,018
Street System Improvement Fund	\$3,109,982
<b>TOTAL</b>	<b>\$31,607,000</b>

## SUSTAINABILITY FEATURES

1. Water: Installation of non-potable water utility line.

The project includes the installation of over one mile of non-potable water utility line for reclaimed water usage.

2. Transportation: Consistent with the City’s Complete Streets Policy.

This project will provide improved access in and out of industrial areas and help relieve congestion along Winton Avenue and Hesperian Boulevard by redirecting traffic on the new Whitesell Street. The project will provide complete streets including: bike lanes, ADA compliant sidewalks and curb ramps. This project will also improve traffic congestion with intersection improvements and traffic signal modifications at Winton Avenue/Hesperian Boulevard and Southland Drive/Hesperian Boulevard.

3. Environment: Applicant for Bay-Friendly Landscaping Certification & Storm Water Treatment.

This project has implemented Bay-Friendly Landscaping techniques to use native plants and climate appropriate plants for the median islands and sidewalk planters. The project will be reviewed for Bay-Friendly certification after the project is complete.

This project uses bio-swales to treat storm water runoff from the roadway and filters pollution from the storm water before entering the San Francisco Bay.

4. Energy: Installation of LED street lighting.

This project will install eighty-seven street lights with energy efficient LED lighting, providing electricity and maintenance cost savings.

**SCHEDULE**

The project is estimated to be completed by November 2016.

*Prepared by:* Yaw Owusu, Assistant City Engineer

*Recommended by:* Morad Fakhrai, Director of Public Works

Approved by:



---

Kelly McAdoo, City Manager