



**DATE:** September 28, 2021

**TO:** Mayor and City Council

**FROM:** Director of Public Works

**SUBJECT:** Adopt a Resolution Authorizing the City Manager to Execute an Agreement with Iteris, Inc., to Procure the Video Detection System for the Sydney Coordinated Adaptive Traffic System for Several Intersections on Jackson Street and West Winton Avenue in an Amount Not-To-Exceed \$130,000

### **RECOMMENDATION**

That the Council adopts a resolution (Attachment II) authorizing the City Manager to execute an agreement with Iteris, Inc., to procure the video detection system for the Sydney Coordinated Adaptive Traffic System (SCATS) for several intersections on Jackson Street and West Winton Avenue in an amount not-to-exceed \$130,000.

### **SUMMARY**

As part of the City's continued effort to improve the City's traffic signal system, SCATS will be added to four existing traffic signals along Jackson Street and one at West Winton Avenue. This agreement is for the procurement of the Iteris video detection system, which includes 5 years of service. This implementation will improve traffic flow, reduce traffic time, result in less congestion, reduce greenhouse gas emissions, allow faster response times to resident concerns, and provide collection of traffic data.

### **BACKGROUND**

In an effort to adapt signal timing to traffic conditions in real time, SCATS has been incorporated at signalized intersections on major roadways within the City, including Mission Boulevard and Foothill Boulevard. These systems rely on video detection cameras and related equipment to collect necessary vehicle, bicyclist, and pedestrian volumes, which are the primary basis for the signal timing adaption. The main benefits of deploying SCATS technology are the improvement of traffic flow and travel time, less congestion, reduction of greenhouse gas emissions, response times to resident concerns, and faster response times to collection of traffic data.

Four signalized intersections crossing Jackson Street at Cypress Avenue/Amador Street, Soto Road, Grand Street and Silva Avenue/Meek Avenue, and one at West Winton Ave and Saklan Road currently do not have SCATS. The improvement plans as part of the Mission Boulevard

Corridor Improvements Phase 2 and the Fire Station 6/Fire Training Center project would have included SCATS at these intersections; however, it was removed from bid documents during the bidding phase due to bidder questions that required additional design.

## **DISCUSSION**

### Mission Boulevard Corridor Improvements Phase 2

This project included improvements on Jackson Street to add SCATS to the existing traffic signals at:

- 1) Cypress Avenue/Amador Street and Jackson Street,
- 2) Soto Road and Jackson Street,
- 3) Grand Street and Jackson Street, and
- 4) Silva Avenue/Meek Avenue and Jackson Street.

The scope of this work was originally included in the Mission Boulevard Corridor Improvements Phase 2 project; however, it was removed from bid documents during the bidding phase due to bidder questions that required additional design.

### Fire Station 6/FTC

The improvements to the Fire Station 6/FTC project required relocation of an existing traffic signal pole at West Winton Avenue and Saklan Road and included video detection equipment since this intersection did not have SCATS; however, this scope of work was removed and deferred during the design phase due to the high estimated cost of \$200,000.

After completion of the design of the traffic signal and SCATS improvement for both projects, a request for proposals were sent to electrical contractors. One cost proposal was received in the amount of \$298,815. Due to the high-cost proposal, the request for proposals package was broken-up to separate the SCATS video detection equipment from work to install the equipment. In December 2020, cost proposals were received for the installation work. A contract was executed with DC Electric in the amount of \$116,500 to provide the installation services.

A separate request for proposals for the SCATS video detection equipment was sent to electrical contractors and directly to the manufacturer of the camera equipment. Staff received three proposals from St Francis Electric, DC Electric, and Iteris, Inc ranging from \$130,000 to \$141,000. Staff recommends that Council authorize execution of a contract for procurement of the SCATS equipment with Iteris, Inc., in the amount of \$130,000, as specified in its proposal.

The combined cost of procurement and installation will be \$246,500, which is less than the previous cost proposal of \$298,815.

## **ECONOMIC IMPACT**

Improvements to the City's traffic signal system make the overall transportation system more efficient which may result in positive economic benefits for businesses around the area.

**FISCAL IMPACT**

The adopted FY 2022 Capital Improvement Program’s Route 238 Corridor Improvement (Fund 410) and Measure C Capital (Fund 406) includes \$130,000 to procure the equipment and \$116,500 for the installation of the equipment.

**STRATEGIC ROADMAP**

This agenda item supports the Strategic Priority of Improve Infrastructure. Specifically, this item relates to the implementation of the following project:

Project 12: Construct the Fire Station and FTC

Additionally, this agenda item supports one of the top resident priorities from the 2019 Resident Satisfaction Survey: reduce traffic congestion.

**SUSTAINABILITY FEATURES**

Improvements to the traffic signals will reduce environmental impacts like greenhouse gas emissions and enhance the overall quality of life for residents and businesses.

**PUBLIC CONTACT**

No public contact was made for the procurement of the video detection system.

**NEXT STEPS**

If Council approves the resolution, the City Manager will execute the contract. After the contract is executed, the procurement can begin. The schedule is as follows:

Receive Iteris Equipment	December 2021
Begin Equipment Installation	January 2022
Complete Work	February 2022

*Prepared by:* Dave Hung, Senior Civil Engineer  
Kathy Garcia, Deputy Director of Public Works

*Recommended by:* Alex Ameri, Director of Public Works

Approved by:



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Kelly McAdoo, City Manager