



**CONSENT CALENDAR**

**Agenda Item # 7**

**AGENDA REPORT SUMMARY**

**Meeting Date:** March 27, 2018

**Subject:** Contract Change Order for Traffic Signal Control Upgrade, Project TS-01049

**Prepared by:** Aruna Bodduna, Transportation Services Manager

**Reviewed by:** Susanna Chan, Public Works Director

**Approved by:** Chris Jordan, City Manager

**Attachment(s):**

None

**Initiated by:**

Staff

**Previous Council Consideration:**

November 15, 2016

**Fiscal Impact:**

\$156,800 – Funded by CIP project TS-01049

**Environmental Review:**

Not applicable

**Policy Question(s) for Council Consideration:**

- None

**Summary:**

- The City of Los Altos was awarded \$415,000 in Vehicle Registration Fee-Intelligent Transportation Systems (VRF-ITS) Grant funds toward signal operations improvements.
- On November 15, 2016, Council authorized CIP project TS-01049 Traffic Signal Control Upgrade project to be funded by a portion of this grant funds.
- Purchase Order (P.O.) C2018115 in the amount of \$11,683.50 was approved on March 6, 2018 to procure traffic signal controllers for three intersections.
- Change Order #1 in the amount of \$156,800 is needed to procure Synchro Green traffic signal coordination software for ten intersections.

**Staff Recommendation:**

Authorize the City Manager to execute Change Order #1 for the P.O. #C2018115 to procure traffic signal coordination software Synchro Green in the amount of \$156,800 from Trafficware Group Inc. for Traffic Signal Control Upgrade project TS-01049



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### **Purpose**

To improve traffic signal operations around downtown Los Altos.

### **Background**

The City of Los Altos was awarded \$415,000 in Vehicle Registration Fee – Intelligent Transportation Systems (VRF-ITS) Grant funds toward signal operations improvements. A portion of this funding is allocated for El Monte Signal Improvements which includes design and installation of fiber optic cable to connect signals along El Monte corridor. This work will be incorporated as part of the County's Foothill Expressway Improvement project between San Antonio and El Monte. The remaining grant funds will be used to upgrade the existing traffic signal controllers and provide adaptive traffic signal timing software to better coordinate signals in the vicinity of the Downtown.

### **Discussion/Analysis**

The intersections of Main Street and First Street, First Street and Los Altos Avenue/W. Edith Avenue, San Antonio Road and First Street/Cuesta, and El Monte and Covington/Giffin Road are owned by the City of Los Altos, but are coordinated by Santa Clara County with Foothill Expressway. These intersections currently operate with a traffic responsive plan. This area has experienced an increase in traffic and both the City and County have received increased complaints regarding signal timing and congestion. The implementation of adaptive traffic signal timing software will help the County and City ease the transition of timing plans and reduce congestion and delay. The existing signal controllers at three locations will need to be replaced with NAZTEC traffic signal controllers that support the use of adaptive signal timing software, Synchro Green. This equipment was chosen to comply with County guidelines. Staff recently issued a purchase order in the amount of \$11,683.50 to procure signal controllers from Trafficware Group Inc. The cost to procure adaptive signal timing software Synchro Green, also provided by Trafficware Group Inc. is \$156,800, which requires Council approval.

The following locations will receive new Synchro Green Adaptive Signal Timing Software:

1. Foothill/W. Edith
2. W. Edith/First/Los Altos Ave
3. San Antonio/Main/ W. Edith
4. Foothill/Main
5. Foothill/First
6. San Antonio/First/Cuesta
7. Foothill/San Antonio
8. Foothill/El Monte
9. El Monte/University
10. El Monte/Summerhill



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## Options

- 1) Authorize the City Manager to execute Change Order #1 for the P.O. #C2018115 to procure traffic signal coordination software Synchro Green in the amount of \$156,800 from Trafficware Group Inc.

**Advantages:** The implementation of Synchro Green software will help to better coordinate the closely spaced signals and reduce congestion and delay. Project will comply with the VRF-ITS grant award.

**Disadvantages:**

- 2) Do not approve Change Order #1.

**Advantages:** None

**Disadvantages:** Project would not comply with the VRF-ITS grant award. Improved signal coordination cannot be achieved.

## Recommendation

The staff recommends Option 1.