



City of Orange

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Title: Agreement with Iteris, Inc. for Traffic Engineering Services for Tustin Avenue/Rose Drive Corridor Regional Traffic Signal Synchronization Program Project, and associated Cooperative Agreement between the City of Orange and the cities of Anaheim, Placentia, Santa Ana, Tustin, and Yorba Linda.

Sponsors:

Indexes:

Code sections:

Attachments: 1. Staff Report, 2. Professional Services Agreement, 3. Cooperative Agreement

Date	Ver.	Action By	Action	Result
9/14/2021	1	Orange City Council	Approved	Pass

TO: **Honorable Mayor and Members of the City Council**

THRU: **Rick Otto, City Manager**

FROM: **Christopher Cash, Public Works Director**

1. SUBJECT

Agreement with Iteris, Inc. for Traffic Engineering Services for Tustin Avenue/Rose Drive Corridor Regional Traffic Signal Synchronization Program Project, and associated Cooperative Agreement between the City of Orange and the cities of Anaheim, Placentia, Santa Ana, Tustin, and Yorba Linda.

2. SUMMARY

The Professional Services Agreement authorizes Iteris, Inc. to provide traffic engineering services needed to comply with and implement the requirements of Tustin Avenue/Rose Drive Corridor, a Renewed Measure M2 Regional Traffic Signal Synchronization Program Project. The associated Cooperative Agreement provides the terms of participation and cost sharing with the partner Cities.

3. RECOMMENDED ACTION

1. Approve the agreement with Iteris, Inc. in the amount of \$1,076,341 for Traffic Engineering Services for Tustin Avenue/Rose Drive Corridor Project Implementation and authorize the Mayor and City Clerk to execute on behalf of the City.
2. Authorize \$107,634.10 (10%) of the contract amount for contingency purposes.
3. Approve the associated Cooperative agreement between the City of Orange and the cities of Anaheim, Placentia, Santa Ana, Tustin, and Yorba Linda and authorize the City Manager to execute on behalf of the City.

4. Authorize the appropriation of \$454,070 into expenditure account number 550.5031.56510.20425.

4. FISCAL IMPACT

The total net expenditure for this agreement, including 10% contingency, is \$114,675.93 and will be funded in Tustin Street Signal Synchronization (20425) through:

TSIP Citywide (287)	\$114,675.93
Reimbursable Capital Projects (550)	
Street Light/Signal Install-Tustin	947,180.08
Other Capital Outlay-Tustin St Sig (Other Agencies)	122,119.09
Reimbursement from Renewed Measure M2	(947,180.08)
Reimbursement from Partner Agencies	<u>(122,119.09)</u>
Total:	\$114,675.93

5. STRATEGIC PLAN GOALS

Goal 1: Provide for a safe community

b: Provide and maintain infrastructure necessary to ensure the safety of the public.

6. DISCUSSION AND BACKGROUND

History

Tustin Street is a major traffic artery and significant commercial corridor in the City that is often used as an alternative to the 55 Freeway, to which it runs parallel. The facility extends south into the cities of Santa Ana and Tustin (as Tustin Avenue), and north into the cities of Anaheim, Placentia, and Yorba Linda (as Tustin Avenue or Rose Drive). Together, the 11 mile stretch of roadway comprises the Tustin/Rose Corridor. The Tustin/Rose Corridor contains 55 signalized intersections, almost half of which are located within the Orange city limits.

This corridor was last improved to optimize traffic signal synchronization in 2012. Since then, local and regional traffic volumes and patterns have evolved and now contribute to worsening congestion. In addition, a new generation of traffic signal technologies have emerged that, together with signal re-timing, can positively impact traffic flow.

Because the performance of this corridor is critical for mobility in Orange, staff had recommended the City lead a corridor-wide effort to pursue Orange County Transportation Authority (OCTA) funding for the traffic signal improvements and synchronization. In November 2019, Council approved Resolution No. 11196, nominating the Tustin Avenue/Rose Drive Corridor Regional Traffic Signal Synchronization Program Project (Tustin/Rose Corridor RTSSP Project) to OCTA for competitive Measure M2 funding. The Tustin/Rose Corridor RTSSP Project proposes traffic signal and communication equipment upgrades and the development and maintenance of optimized signal synchronization plans to best accommodate prevailing traffic patterns.

OCTA's Board of Directors awarded Measure M2 funding to the Tustin/Rose Corridor RTSSP Project for Fiscal Year 2021. The estimated cost of the project is approximately \$3.5M, of which \$2.8M (80%) would be contributed by OCTA, and the remaining \$690,590 (20%) match would be provided by participating agencies. The City's fair share would be \$236,520 while the other partner agencies would contribute \$454,070. The partner agency match is split between \$419,880 cash and \$34,190 of in-kind services, which is labor and materials commitments, in lieu of cash. Should the partner agencies fail to fulfill their in-kind match, they are obligated to pay an equivalent cash contribution.

Cooperative Agreement

The Cooperative Agreement between the cities of Orange, Anaheim, Placentia, Santa Ana, Tustin and Yorba Linda describes the duties, responsibilities, and funding obligations of all the participating agencies. The City of Orange will serve as the lead and implementing agency for this project. Staff will be coordinating with other partner agencies along the corridor, serving as the point of contact with OCTA, administering project funding, procuring and managing a qualified traffic engineering consultant to design and implement the project, bidding the project for construction, and submitting all require administrative reports. The Cooperative Agreement also authorizes the City to enter into a cooperative agreement with California Department of Transportation (Caltrans) on behalf of the partner agencies to coordinate implementation of project improvements and signal timing at the ten Caltrans-managed intersections along the corridor. Participating agencies will be responsible for coordinating the installation of their elements during the course of the project and on-going maintenance and operation after the three-year grant period. Staff recommends approving the proposed Cooperative Agreement.

Procurement

As the implementing agency, City staff issued a request for proposals (RFP) for traffic engineering services related to the project on April 29, 2021, with a submittal deadline of May 27, 2021. Four consultants submitted their proposals for consideration, all demonstrating qualified experience with similar RTSSP projects.

A four-member selection committee was assembled, comprised of three City of Orange staff members and one representative from OCTA. Each committee member evaluated the consultants' proposals based on the following criteria:

- Project team and availability
- Experience
- Technical expertise and qualifications
- Understanding and approach
- Schedule
- Responsiveness to proposal
- Cost

After evaluation of all proposals, the selection committee interviewed and ranked the top two firms as follows:

1. Iteris, Inc.
2. ADVANTEC Consulting Engineers, Inc.

Iteris, Inc. (Iteris) consistently demonstrated their capability in executing projects similar to the Tustin/Rose Corridor through both their proposal and presentation. With their extensive experience successfully managing RTSSP projects and familiarity with OCTA's Comprehensive Transportation Funding Programs requirements, the committee determined Iteris' team would be best suited to support the City in administering the project.

If approved, the awarded contract amount would be \$1,076,341 plus a 10% contingency of \$107,634.10, totaling \$1,183,975.10. Iteris' cost proposal falls within project's estimates for traffic engineering services which include, but is not limited to: project management and administration, inter-agency coordination, data collection and traffic studies, development of signal synchronization plans and charts, design of traffic signal improvements, and preparation of comprehensive project reports for each phase of the project. Staff recommends approving the proposed agreement with the

top-ranked Iteris.

7. ATTACHMENTS

- Professional Services Agreement
- Cooperative Agreement