



Agenda Report

Fullerton City Council

MEETING DATE: FEBRUARY 19, 2019

TO: CITY COUNCIL / SUCCESSOR AGENCY

SUBMITTED BY: KENNETH A. DOMER, CITY MANAGER

PREPARED BY: MEG McWADE, PUBLIC WORKS DIRECTOR
DAVID LANGSTAFF, TRAFFIC ENGINEERING ANALYST

SUBJECT: CONTRACT AWARD FOR CONSULTANT SERVICES FOR
THE ORANGETHORPE AVENUE / ESPERANZA ROAD
REGIONAL TRAFFIC SIGNAL SYNCHRONIZATION
PROJECT

SUMMARY

Award a contract to Albert Grover & Associates (AGA) to provide professional traffic engineering consultant services for design, system integration, construction management and ongoing monitoring and maintenance for the Orangethorpe Avenue / Esperanza Road Project P Regional Traffic Signal Synchronization Program.

RECOMMENDATION

1. Authorize the Public Works Director to execute the agreement, in a form approved by the City Attorney, with AGA for traffic engineering consultant services for design, system integration, construction management and ongoing monitoring and maintenance for the Orangethorpe Avenue / Esperanza Road Project P Regional Traffic Signal Synchronization Program, in the revised amount of \$1,283,247.
2. Authorize the Public Works Director to approve and award additional work to AGA for work described as "additional proposed tasks" within this letter and as may be determined to be necessary by the Public Works Director. Additional work shall not exceed \$248,134.

PRIORITY POLICY STATEMENT

This item matches the following Priority Policy Statement:

- Infrastructure and City Assets.

FISCAL IMPACT

The project is being partially funded by the Orange County Transportation Authority (OCTA) Measure M2 Project P Grant. The total cost of the project is \$4,472,100. Project P Grant guidelines require a twenty percent match. The City of Fullerton's share comes from Measure M2 Fund and Traffic Mitigation Fees in the amount of \$277,500 and other agency contribution in the amount of \$617,000. The remaining balance of \$3,577,600 is funded through OCTA Measure M2 Project P Grant funding through a reimbursement process. A Budget Data Sheet (Attachment 2) is included to summarize the estimated project costs and funding sources for the project corridor. Any remaining fund balance at the end of the project shall be returned to its original fund.

DISCUSSION

The aim of Project P and the Traffic Signal Synchronization Program is to improve and enhance signalized intersections and freeway interchanges along multi-jurisdictional corridors. Recognized improvements include fuel savings, reductions in greenhouse gasses and other harmful emissions, trimming an average of thirteen percent off travel times, reducing the number of stops by thirty-one percent and improving average safe speed by fifteen percent.

The Orangethorpe Avenue / Esperanza Road Corridor extends from Walker Street in the City of La Palma through the cities of Buena Park, Fullerton, Placentia, Anaheim and Caltrans jurisdiction, County area to New River Road in the City of Yorba Linda. The total length of the corridor is approximately 17.27 miles in length and includes 57 signalized intersections, of which 16 are in the City of Fullerton. A Vicinity Map (Attachment 3) is included for reference.

The scope of work, in terms of the tasks to be conducted, includes upgrades to fiber optic or wireless communication, new traffic signal controllers and cabinets, new video detection systems, upgrades to Traffic Management Centers, new closed circuit traffic surveillance cameras, signal modifications, new GPS time servers, new emergency vehicle preemption, implementation of new coordination regional timing and replacement of antiquated equipment.

Based on prior discussions with our partner cities and the OCTA, the City of Fullerton has been designated as the lead agency for the administration and management of the project, while the cities of La Palma, Buena Park, Placentia, Anaheim, Yorba Linda and County have agreed to fully participate and contribute their fair share of the match funding required.

As lead agency for the multi-agency project, Staff solicited bids from the OCTA pre-established and pre-approved list of consultants for such projects. Staff received only one bid on January 14, 2019 in response to the solicitation. The bid was submitted by AGA in the amount of \$1,334,337 for Proposed Engineering Services per the RFP with a second bid in the amount of \$248,134 for Additional Proposed Tasks. After a thorough review of the AGA proposal, it was determined that the consultant is qualified to complete the work and is familiar with the City's Traffic Signal System Network. They have familiarity with the various technical control systems used by all participating agencies and have successfully completed numerous multi-agency projects in Orange

County and across Southern California. AGA has sufficient staffing available to dedicate to the project and deliver the project within the time constraints dictated by OCTA.

In comparing AGA's proposed fee, staff discovered that AGA's project design and implementation fees were approximately 16% less than the OCTA's approved budget for those same tasks. AGA's proposed fee for the two-year post project operations and maintenance of the traffic signal timing, as required by the OCTA, was found to be in accordance with the OCTA approved project budget. Although the costs proposed were reasonable, in an effort to save money, staff requested that AGA further reduce their proposal costs for Proposed Engineering Services from \$1,334,337 to \$1,283,247. AGA agreed as shown in Revised Fee Proposal (Attachment 4).

Key tasks of the consultant include project management and contract administration, design and engineering, system integration and construction management, development and implementation of traffic signal timing, fine-tuning of coordination signal timing and providing ongoing system maintenance and operational services for two years.

It is anticipated that design will take approximately 12 months to complete which will be followed by construction. Additionally, for 24-months on-going system maintenance and operation services will continue following project implementation. Construction cost for the project is estimated at \$2,854,649 with a construction contract to be awarded by City Council after that bidding process.

The consultant also proposes to provide additional value added services, such as traffic operations recommendations report, traffic signal modification design, flush plans, holiday / shopping season timing plans, special school area signal timing plans, corridor safety review, network security / monitoring and traffic responsive operation. The aforementioned items are eligible for OCTA project funding based on their scope of work. There is sufficient project funding in place, as a result of a lower than anticipated consultant bid proposal, to potentially include these items at a later date.

Attachments:

- Attachment 1 – PowerPoint Presentation
- Attachment 2 – Budget Data Sheet
- Attachment 3 – Vicinity Map
- Attachment 4 – Revised Fee Proposal