

**STAFF REPORT**  
**City of Lancaster**

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11/10/15
MVB

Date: November 10, 2015

To: Mayor Parris and City Council Members

From: Brian S. Ludicke, Planning Director

Subject: **Professional Services Agreement –Traffic Signal Coordination and Retiming**

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**Recommendations:**

- a. Authorize the City Engineer to negotiate a professional services agreement with Advantec Consulting Engineering of Palmdale, California, to provide engineering services for Traffic Signal Coordination and Retiming. Authorize the City Manager, or his designee, to sign all documents.
- b. Appropriate \$150,000.00 from the Traffic Signal Impact Fee Fund balance to Capital Improvements Budget Account No. 217-16TS026-924.

The consultant selection process was made in accordance with Government Codes 4526 and 53060.

**Fiscal Impact:**

Approximately \$350,000.00; There is currently \$200,000.00 in the Fiscal Year 2015/2016 budget for this project; with this action sufficient funds will be available in Capital Improvements Budget Account No. 217-16TS026-924 to complete the project.

**Background:**

The objective of the Traffic Signal Coordination and Retiming project is to improve mobility on our City streets by developing updated traffic signal coordination plans for morning, midday, afternoon, and weekend peak periods on selected corridors. Updated timing plans for one hundred and forty-eight (148) traffic signals, including nine (9) Caltrans signals will be implemented. The newly timed signals will reduce travel time and delays on coordinated streets by limiting stop-and-go traffic, which should lower vehicle emissions and save on overall fuel consumption.

On September 22, 2015, staff issued a request for proposal for professional engineering services for the Traffic Signal Coordination and Retiming project. Proposals were requested from sixteen (16) firms with traffic signal timing experience and six (6) proposals were received. Staff reviewed and ranked the proposals per the criteria stated within the RFP and has selected Advantec Consulting Engineering (Consultant) to provide the needed services.

With this action, the City Engineer will work with the Consultant to finalize a professional services agreement for the project. It is anticipated that an agreement will be executed by the end of November and that the Consultant will begin work in December. Development of the coordination and timing plans will take approximately three (3) months. The new coordination plans should therefore be in place by March of 2016. Once implemented, the Consultant will observe and evaluate the timing and will make necessary adjustments to fine-tune and optimize the timings. The final, optimized plans should be in place by the end of April 2016. A report summarizing the results of the project will be completed by the end of May 2016.

MC:lcs