



# *CITY COUNCIL AGENDA REPORT*

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MEETING DATE: JUNE 15, 2010

ITEM NUMBER: \_\_\_\_\_

**SUBJECT: PROFESSIONAL SERVICES FOR TRAFFIC SIGNAL TIMING AND TRAFFIC SIGNAL SYSTEM REVIEW SERVICES**

**DATE: JUNE 3, 2010**

**FROM: PUBLIC SERVICES DEPARTMENT, TRANSPORTATION SERVICES DIVISION**

**PRESENTATION BY: PETER NAGHAVI, DIRECTOR, DEPARTMENT OF PUBLIC SERVICES**

**FOR FURTHER INFORMATION CONTACT: RAJA SETHURAMAN, MANAGER,  
TRANSPORTATION SERVICES, (714) 754-5032**

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## **RECOMMENDATION:**

- 1) Award a Professional Services Agreement (Attachment 1) to Albert Grover & Associates, 211 East Imperial Highway, Suite 208, Fullerton, California, in the amount of \$85,000, for traffic signal timing and traffic signal system review services.
- 2) Authorize the Mayor and the City Clerk to execute the Professional Services Agreement.

## **BACKGROUND:**

In March 2010, the Transportation Services Division issued a Request for Proposals (RFP) for traffic signal timing and traffic signal system review services. The objective of this task is to obtain specialized services to review and maintain the City's existing traffic signal timing, as well as to review, upgrade, and maintain the very significant central traffic signal system hardware.

The City's Associate Signal Engineer (Traffic Operations) retired in December 2009, and the position was not filled. This position was responsible for the day-to-day operation of the traffic signal system, including signal timing, synchronization, program development, special event signal management, as well as the system hardware management. Since the traffic operations engineer's retirement, some of the key operations tasks have been handled by the remaining staff, while several other planning tasks were kept on hold. In addition, services of a consulting firm were used to trouble-shoot traffic signal equipment, as needed.

The City's existing central traffic signal system was developed almost twenty years ago. While still functional, staff is experiencing significant issues with upkeep and operation of the system. The manufacturer of the current hardware is no longer in business, and, therefore, replacement parts are not readily available. Several other cities with similar systems have upgraded, or are in the process of upgrading, to a newer system. With the start of the Renewed Measure M program, there are grant funding opportunities to implement such an upgrade along a majority of the City's corridors. However, in order to take advantage of this potential resource, the City needs to develop a Traffic Signal Master Plan that will meet future needs and a migration path to upgrade to the new system.

In consideration of the above, an RFP was issued to provide traffic signal timing services and the development of a phased Traffic Signal Master Plan.

**ANALYSIS:**

In response to the City's RFP, six proposals were received from consultants specializing in traffic signal services.

Transportation Services staff has thoroughly reviewed all proposals and conducted interviews with three top-ranked firms. Based on this process, staff has determined that Albert Grover Associates' (AGA) proposal meets City standards based on qualifications and relative experience.

AGA has assisted Orange County Transportation Authority (OCTA) in the development of a Countywide Master Plan for Traffic Signal Coordination Program. In the City of Costa Mesa, AGA has, in the past, implemented traffic signal timing coordination along several major arterials including Adams Avenue, Victoria Street, Harbor Boulevard, Fairview Road, and others; therefore, they have a good understanding of the City's needs.

**ALTERNATIVES CONSIDERED:**

One alternative would be to perform the work in-house. However, the scope of work and demands of the project exceed staff's resources and time. A second alternative would be to not undertake this project. Not approving this project could possibly result in failure to provide adequate and safe signal operations. In addition, this alternative may result in the City not being able to take advantage of Renewed Measure M funds towards this traffic signal system upgrade project.

**FISCAL REVIEW:**

Staff proposes utilizing funds, for a total of \$85,000, from the 2009-10 Traffic Signal Maintenance account for this project.

**LEGAL REVIEW:**

The City Attorney's office has prepared the attached Professional Services Agreement and has approved the document relative to form.

**CONCLUSION:**

The City issued a Request for Proposals for traffic signal timing and traffic signal system review services in March 2010. After careful review of six proposals submitted, it is recommended that the City Council award the Professional Services Agreement to Albert Grover Associates. The required funds for this project are available in the 2009-10 Traffic Signal Maintenance account.

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RAJA SETHURAMAN  
Manager, Transportation Services

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PETER NAGHAVI  
Director, Department of Public Services

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COLLEEN O'DONOGHUE  
Assistant Finance Director

ATTACHMENT:        1 - [Professional Services Agreement](#)

DISTRIBUTION:     City Manager  
                         Assistant City Manager

City Attorney  
City Clerk  
Acting Director of Finance  
Director of Development Services

6-15-10 – Traffic Signal Timing Award Report

6-3-10

9:00 a.m.