



City of Sunnyvale

Agenda Item-No Attachments (PDF)

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REPORT TO COUNCIL

SUBJECT

Award of Contract for Traffic Signal Timing and Optimization (F17-106)

REPORT IN BRIEF

Approval is requested to award a contract in the amount of \$162,520 to DKS Associates of Oakland, CA for professional engineering services and for a 10% contingency in the amount of \$16,252.

EXISTING POLICY

Pursuant to 2.08 of the Sunnyvale Municipal Code, City Council approval is required for contracts exceeding \$100,000.

ENVIRONMENTAL REVIEW

The action being considered does not constitute a "project" within the meaning of the California Environmental Quality Act ("CEQA") pursuant to CEQA Guidelines section 15378(a) as it has no potential for resulting in either a direct physical change in the environment, or a reasonably foreseeable indirect physical change in the environment.

BACKGROUND AND DISCUSSION

The Engineering Services for Signal Coordination Timing and Coordination Optimization Project ("Project") will provide overall improvement and safety to pedestrian and bicyclists crossing of various intersections throughout the City. The optimized traffic signals would provide safer passage to non-motorized vehicles and pedestrians, and reduction in vehicle delays, fuel consumption, and CO2 emission during peak times.

The Project would enhance motorist, pedestrian and bicycle maneuvering and improve travel time at Fremont Avenue, Mary Avenue, Remington Drive and Hollenbeck Avenue. Fremont Avenue and Mary Avenue are classified as Class II Arterials; Remington Drive west of Sunnyvale Saratoga Road is classified as Residential Collector; Remington Drive east of Sunnyvale Saratoga Rd is classified as Class II Arterial; and Hollenbeck Avenue is classified as Residential Collector. These corridors experience significant traffic volume delays during peak hour, but also include school traffic, a wide variation of side street traffic volumes, and the traffic volumes from freeway on and off ramps. Fremont Avenue includes traffic signals on a Caltrans right-of-way located near State Route 85 and will be part of the traffic signal optimization and coordination timing included in this Project. Optimized traffic signal timing for pedestrian timing must conform to latest Institute of Transportation Engineers (ITE) Guidelines and City Standards.

A similar project along different corridors was procured in January of 2016 (RFP F16-74). Since the vendor community for these type of projects remains fairly stable, staff emailed Request for Proposals for this Project to the four vendors that proposed on the previous RFP. For the contract

recommended for award, two responsive proposals were received from DKS Associates and TJKM.

The qualifications of the proposers were evaluated by staff from the Public Works Department, and DKS Associates was selected as the top ranked team for the following reasons:

- Extensive experience with similar projects involving Caltrans, collision analysis, and MaxView traffic software;
- Familiarity, understanding, and anticipation of issues and opportunities at the corridors.

DKS Associates proposed base pricing in the amount of \$166,550 was subsequently negotiated to \$162,520 without a reduction in work scope.

FISCAL IMPACT

The total cost of the recommendation is \$178,772, which consists of the base bid in the amount of \$162,520 and a 10% contingency in the amount of \$16,252.

Funding Source

Funding for the Fremont Avenue (Project 832510), Mary Avenue (Project 832530), Remington Drive (Project 832540), and Hollenbeck Avenue (Project 832520) Traffic Signal Timing and Optimization Project will be through a Transportation Fund for Clean Air (TFCA) Grant.

PUBLIC CONTACT

Public contact was made by posting the Council agenda on the City's official-notice bulletin board outside City Hall, at the Sunnyvale Senior Center, Community Center and Department of Public Safety; and by making the agenda and report available at the Sunnyvale Public Library, the Office of the City Clerk and on the City's website.

RECOMMENDATION

1) Award a contract in substantially the same form as Attachment 1 to the report and in the amount of \$162,520 to DKS Associates for professional engineering services for the Signal Coordination Timing and Coordination Optimization Project and authorize the City Manager to execute the contract when all necessary conditions have been met; and 2) approve a 10% contract contingency for the project.

Prepared by: Gregory Card, Purchasing Officer

Reviewed by: Timothy J. Kirby, Director of Finance

Reviewed by: Manuel Pineda, Director of Public Works

Reviewed by: Walter C. Rossmann, Assistant City Manager

Approved by: Kent Steffens, Assistant City Manager for

Deanna J. Santana, City Manager

ATTACHMENT

1. Draft Consultant Services Agreement