



CITY OF SANTA BARBARA

COUNCIL AGENDA REPORT

AGENDA DATE: May 1, 2012

TO: Mayor and Councilmembers

FROM: Engineering Division, Public Works Department

SUBJECT: Approval Of Sole Source Purchases Of Traffic Signal Video Detection Management System And Traffic Signal Standard Equipment List

RECOMMENDATION: That Council:

- A. Approve and authorize the General Services Manager to issue a Sole Source Purchase Order to Iteris for \$46,489, for the purchase of video detection management software and remote communications modules, and authorize the General Services Manager to approve expenditures of up to \$4,649 for extra services that may result from necessary changes to the scope of work; and
- B. Find it to be in the City's best interest to approve equipment standardization for Traffic Signal Equipment for the next five-year period, in accordance with Sections 4.52.070 (k) and (l) of the Municipal Code.

DISCUSSION:

Purchase of Video Detection Remote Management Software

In the last five years, the City has installed 37 video detection systems at signalized intersections. Video detection offers superior detection capabilities of bicycles and motorcycles versus in-pavement loop detectors. While these cameras provide superior capabilities, they also require more frequent adjustments and configuration to ensure reliable service. The ability to make these adjustments remotely will improve response times and traffic signal performance. An added feature that this system offers is remote video viewing capabilities, which will be used to remotely adjust traffic signal timing, and improve traffic signal coordination. The current project will cover Upper State Street. Other signal corridors in our system will be added in the future.

Staff recommends the sole source purchase of Iteris brand video detection management software and remote communications modules for \$46,489. This software is the only software compatible with our existing video detection cameras. The vendor has offered the same pricing to Santa Barbara that has been offered to other Southern California cities.

Approval of Traffic Signal Standard Equipment List

It is in the City's best interest for the Traffic Engineering Division to standardize the equipment used to operate the City's traffic signals. This will ensure that traffic signal control equipment will communicate with the City's centralized traffic signal control system and minimize the need for staff to train on the installation, maintenance, and use of a wide variety of equipment. It also reduces the need to stock an array of specialized tools, and minimizes parts inventories necessary for equipment maintenance. Standardizing provides better response time when making traffic signal repairs and responding to urgent timing changes.

Sections 4.52.070 (k) and (l) of the Municipal Code authorize Council to purchase supplies, equipment, and services without complying with the formal bid procedure when it is found that the goods or services are only available from one source and that purchasing these goods or services is in the best interest of the City. Staff recommends that Council approve the attached list of equipment as standard for Traffic Engineering, through June 30, 2017.

BUDGET/FINANCIAL INFORMATION:

There are sufficient funds in the Streets Fund to cover project expenses.

ATTACHMENT: Traffic Signal Standard Equipment List

PREPARED BY: Derrick Bailey, Supervising Transportation Engineer/DB/kts

SUBMITTED BY: Christine F. Andersen, Public Works Director

APPROVED BY: City Administrator's Office

City of Santa Barbara Traffic Signal Standard Equipment List		
		May 1, 2012
No.	Equipment Manufacturer	Equipment Description
1	McCain, Inc.	Traffic Signal Controllers
2	McCain, Inc.	Traffic Signal Centralized Software and Support
3	Iteris	Video Detection Equipment
4	Iteris	Video Detection Remote Management Software and Support
5	Ruggedcom	Ethernet Switches
6	Clary	Battery Backup Systems
7	Global Traffic Technologies	Opticom Emergency Preemption Systems and Support