



**PURCHASING ITEM  
FOR  
COUNCIL AGENDA**

**MEMO NO. TE09-022**

**1. Agenda Item Number:**

**28**

**2. Council Meeting Date:**

August 14, 2008

**TO: MAYOR & COUNCIL**

**3. Date Prepared:** July 28, 2008

**THROUGH: CITY MANAGER**

**4. Requesting Department:** Public Works

**5. SUBJECT:** Approval of the sole source purchase of Autoscope traffic signal video detection equipment from Econolite Control Products, Inc. for a total amount not to exceed \$595,000.00.

**6. RECOMMENDATION:** Approval of the sole source purchase of Autoscope traffic signal video detection equipment from Econolite Control Products, Inc. for a total amount not to exceed \$595,000.00.

**7. BACKGROUND/DISCUSSION:** Traffic Engineering requires traffic signal detection cameras on each leg of a street intersection to detect the presence of vehicles thus allowing intelligent traffic signal timing. Signal head indications change based on traffic demand as detected by the Autoscope detection cameras and predetermined volume calculations. To enhance environmental efficiency, Traffic Engineering coordinates traffic signal timings based on actual vehicle arrivals at each intersection with real time reporting and the ability to make signal changes from the Traffic Management Center. Detection is accomplished by the Autoscope detection cameras and routing equipment placed in the traffic signal cabinets. (These cameras do not monitor speed or red light running). With this MAG grant funded project, MAG project CHN-08-802, the City will have video detection at all intersections.

**8. EVALUATION PROCESS:** The City has a networked system of video detection and signal monitoring. Due to network compatibility the same type of cameras must be used at each intersection to feed back data to the Traffic Management Center. The City has been using Autoscope Solo Pro cameras and has had excellent results with this detection equipment.

**9. FINANCIAL IMPLICATIONS:**

Cost: \$595,000.00

Savings: \$0

Long Term Costs: N/A

Funding Source:

Acct No.:	Fund:	Program Name:	CIP Funded:	Funds:
215.3310.6516.8ST327	Highway User Revenue Fund	Video Detection Cameras	FY08-09	\$ 76,350.00
217.3310.6516.8ST327	CMAQ Grant	Video Detection Cameras	FY08-09	\$518,650.00

**10. PROPOSED MOTION:** Approval of the sole source purchase of Autoscope traffic signal video detection equipment from Econolite Control Products, Inc. for a total amount not to exceed \$595,000.00.

**APPROVALS**

**11. Requesting Department:**

*[Signature]*

Daniel W. Cook, Deputy Public Works Director

**12. Department Head:**

*[Signature]*

R. J. Zeder, Public Works Director

**13. Procurement Officer:**

*[Signature]*

Sharon Brause, CPPB

**14. City Manager:**

*[Signature]*

W. Mark Pentz



# Request for Sole Source

TO: PURCHASING OFFICE

DATE: 7/29/08

FM: Debra Bieber  
Name of Requester

PHONE NO. : 480 782-3455

Traffic Engineering /Public Works  
Name of Division/Department

SUB: Sole Source Request for the Purchase Of: Autoscope Detection Cameras

REQUESTED SUPPLIER: Econolite Control Products

SUPPLIER'S ADDRESS: 3360 E. La Palma Ave, Anaheim, Ca

CONTACT: Lori MacIntyre PHONE: 714 630-3700 COST ESTIMATE \$ 595,000.00

## STATEMENT OF NEED:

This recommendation for sole source is based upon an objective review of the product/service being required and appears to be in the best interest of the City. I know of no conflict of interest on my part or involved in any way with this request. No gratuities, favors or compromising action have taken place. Neither has my personal familiarity with particular brands, types of equipment, materials or firms been a deciding influence on my request to sole source this purchase when there are other known suppliers to exist.

Refer to the attached sole source justification as prepared by our (user) department, to the attached review of available products/services and to my (user department's) completed Purchase Requisition.

SIGNATURE OF REQUESTER:

Debra Bieber

DATE: 7/31/08

SIGNATURE OF REQUESTING DIVISION HEAD:

[Signature]

DATE: 7/31/08

APPROVAL OF DEPARTMENT DIRECTOR OR ASSISTANT DIRECTOR:

[Signature]

DATE: 7-31-08

JUSTIFICATION FOR SOLE SOURCE: (Describe the unique nature of the product or service, what efforts were made to locate other sources, any market testing and research results, any other information that may help evaluate the request for sole source. Attach documents as appropriate to this request.)

Econolite is the exclusive vendor of Autoscope cameras. The City uses Autoscope cameras and software at all of the existing traffic signals.

The video detection cameras will be installed by a contractor or City Staff at various locations, primarily the arterial -arterial intersections. City staff will maintain the cameras.

Autoscope is the only available product that is able to detect traffic and bring video back to the Traffic Management Center on the current Chandler City communication platform. Other brands are not compatible with the City's current system. No other vender offers the same type of open web based communication available with Autoscope detection cameras.

PURCHASING COMMENTS:

*Approved - R. Combs*

PURCHASING APPROVALS:

BUYER: \_\_\_\_\_

DATE: \_\_\_\_\_

PURCHASING & MATERIAL MGR: *Robert Combs*

DATE: *7-31-08*

TO BE COMPLETED BY REQUESTING DEPARTMENT AND SUBMITTED TO PURCHASING  
(PLEASE TYPE)