



# CITY COUNCIL AGENDA REPORT

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MEETING DATE: APRIL 5, 2005

ITEM NUMBER:

**SUBJECT: APPROVAL TO PURCHASE THREE (3) TRAFFIC SIGNAL CONTROLLER CABINETS**

**DATE: MARCH 17, 2005**

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

**PRESENTATION BY: WILLIAM J. MORRIS, DIRECTOR OF PUBLIC SERVICES**

**FOR FURTHER INFORMATION CONTACT: PETER NAGHAVI, TRANSPORTATION SERVICES  
MANAGER (714) 754-5182**

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## **RECOMMENDATION:**

Approve the Purchase Requisition (Attachment 1) for three traffic signal controller **cabinets** in the amount of \$36,585.44 from Econolite Control Products, Inc., 3360 La Palma Avenue, Anaheim, CA 92806.

## **BACKGROUND:**

The Transportation Services Division administers a program for the maintenance of the City's 115 signalized intersections. This includes preventative maintenance and extraordinary maintenance of the traffic signals. During the performance of preventative maintenance, staff has identified a number of traffic signal controller **cabinets** that are deteriorating beyond repair and require replacement. Funds have been approved during the budget process to replace three (3) **cabinets** in Fiscal Year 2004-05. Controller **cabinets** house sensitive electronic equipment including computers, modems, and various communications and safety components required to maintain signal operations, coordination and interface with the Traffic Operations Center (TOC) within City Hall. The three locations identified for **cabinet** replacements are Harbor Boulevard/Wilson Street, Anton Boulevard/Park Center Drive, and Fair Drive/Vanguard Way.

Traffic signal **cabinets** are replaced as a preventative measure when severe deterioration is found. **Cabinets** that remain in a deteriorated state have an increasing probability of ongoing technical problems or failure with the traffic signal controller (computer), resulting in increased costs for extensive and/or emergency maintenance, with consequential impacts in congestion and degradation in safety to the motoring public. To proactively address this condition, the City budgets an annual appropriation to replace these damaged and deteriorated traffic signal **cabinets**.

## **ANALYSIS:**

The Transportation Services staff has received proposals from two manufacturers, Econolite Control Products, Inc. and JTB Supply Company, Inc., to provide three new traffic signal **cabinets** to replace existing damaged ones. Following a careful review, staff has determined that the Econolite Control Products, Inc. proposal is compatible with the City's signal technology and constitutes the lowest fee for furnishing the replacement **cabinets**. The purchase of these **cabinets** directly by the City will eliminate the "material mark-up" costs that would be provided to the City's signal maintenance contractor per the City Council authorized signal maintenance

contract agreement. This recommended action replicates City Council's prior fiscal year award to Econolite Control Products, Inc. for furnishing traffic signal **cabinets**.

**ALTERNATIVES CONSIDERED:**

One alternative is to not replace the deteriorated **cabinets**. Staff does not recommend this approach as these **cabinets** would eventually fail, resulting in a disruption to traffic, degradation in public safety and increased costs due to repairs or replacement as future emergency work. A second alternative is to replace the **cabinets** by the City's traffic signal maintenance contractor. This also is not recommended due to additional overhead expenses that will incur as stipulated by the contract agreement terms.

**FISCAL REVIEW:**

The cost to purchase the three **cabinets** has been included in the adopted budget in the Transportation Services Division fixed assets account for Fiscal Year 2004-05.

**LEGAL REVIEW:**

Legal review of this item is not applicable.

**CONCLUSION:**

The fund to replace three deteriorating traffic signal controller **cabinets** is included in the current fiscal year budget. Approving the purchase of the **cabinets** at this time is recommended to proactively eliminate traffic disruption, the degradation in public safety, and increased repair costs associated with the three failing **cabinets**. Based on careful review of proposals received, it is recommended that the City Council authorize the purchase requisition (Attachment 1) to Econolite Control Products, Inc. at the fee of \$36,585.44 for the replacement traffic signal **cabinets**.

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**PETER NAGHAVI**  
Transportation Services Manager

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**WILLIAM J. MORRIS**  
Director of Public Services

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**MARC R. PUCKETT**  
Director of Finance

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ATTACHMENTS: 1 [Purchase Requisition](#)

Date

Time