

MEETING DATE: 02/12/07

AGENDA ITEM: Consideration to Approve a Budget Amendment for the
Purchase of Replacement Traffic Signal Preemption
Devices, Project P-882

ATTACHMENTS

Pages

1 May 22, 2006 Staff Report and Attachment

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City of Culver City, California
City Council Agenda Item Report

Meeting Date: 05/22/06		Item Number: A-8	
AGENDA ITEM: Consideration to Approve the Purchase of Replacement Traffic Signal Preemption Devices, Project T-1008			
Contact Persons/Dept.: Elaine Jeng/PW, Max Paetzold/PW		Phone Number: (310) 253-5621 (310) 253-5613	
Fiscal Impact: Yes ☒ No ☐		General Fund: Yes ☐ No ☒	
Public Hearing: ☐		Action Item: ☒ Attachments: ☒	
Public Notification: Master Notification List 5/18/06 and Chief Jeff Eastman on May 11, 2006			
Department Approval: Charles D. Herbertson 5/11/06		CAO Approval: Jerry Fulwood 5/18/06	
City Controller Approval: Marlee Chang 5/17/06			

RECOMMENDATION:

Staff recommends that the City Council approve the purchase of traffic signal preemption devices for 46 intersections for Capital Improvement Project, T-1008.

BACKGROUND:

Traffic signal preemption devices give priority to emergency vehicles such as fire, police and also buses. The City has been utilizing preemption device for more than 20 years for fire vehicles only. All devices were purchased from the manufacturer 3M.

Preemption devices are comprised of three components: a detection unit on top of traffic signal heads, connection wires from the detection unit to the traffic signal controller and discriminator cards to program the traffic controller. As fire vehicles approach an intersection equipped with the preemption device, the strobe light atop fire vehicles would emit a signal at a particular frequency readable by the detection unit. The detection unit then sends the information through the connection wires to the traffic controller. Based on the information programmed in the discriminator card, the signal would change its signal timing to accommodate the approaching emergency vehicle.

Preemption devices reduce the amount of traffic accidents between emergency and commuter vehicles as well as reduce response time. Many of the existing preemption devices were installed 20 years ago. Most devices are barely functional and require much of maintenance staff's time to maintain the operability of the equipment.

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DISCUSSION:

The manufacturer of preemption devices, 3M, is having a 50% sale. The sale expires on June 30, 2006. Staff is working with the representatives of Caltrans and FHWA to ensure that the grant (discussed below) would be available and the project qualifies for expenditure reimbursement before the end of 3M's promotional period on June 30, 2006.

With the current sale, the cost to replace preemption devices at 46 intersections would be approximately \$211,000.

FISCAL IMPACT:

The grant funding is comprised of two sources of funds; Demo-TEA 21 would provide approximately \$79,000 and SAFTEA-LU would provide \$26,000, for a total of \$105,000. Demo-TEA 21 fund is earmarked by the congress and based on the Federal Highway Administration (FHWA) Culver City's grant is secured and available. In order to begin using the funds, the City would need to work with the Local Assistance office of Caltrans District 7 office to file the appropriate paperwork. Staff has already begun this process. SAFTEA-LU funds would not be available until after July 2006. When the fund becomes available, the same process is required to begin using the SAFTEA-LU funds.

The available portion of the grant (\$79,000) would be used for equipment purchase. The remainder portion of the grant (\$26,000) would be used for the installation and implementation phase of the project to follow after the initial equipment purchase.

The federal grants require a total local match of \$85,000.

The project currently has an allocation of \$20,000 of Special Gas Tax funds. This is \$65,000 short of the required local match and \$86,000 short to replace preemption devices at 46 intersections.

Staff proposes to transfer \$25,000 from P-429 Traffic Signal Replacement/Upgrade and \$61,000 from Playa Vista Mitigation Funds, total \$86,000 to sufficiently fund the project.

The Playa Vista mitigation funds account has \$1,387,597. It is appropriate to use this funding as a local match as many of the intersections are on Sepulveda Boulevard.

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City Council Agenda Item Report

ATTACHMENT:

- List of intersections to receive replacement traffic signal preemption devices

MOTIONS:

That the Council:

1. Approve the purchase of Traffic Signal Preemption Devices for 46 intersections;
2. Authorize a budget amendment to appropriate Traffic Signal Replacement/Upgrade Project, (P-429) funds in the amount of \$25,000 to the Project and transfer \$25,000 to project expenditure line item 4201008.720100 Preemption Upgrade Project.;
3. Authorize a budget amendment to appropriate Playa Vista Mitigation Funds in the amount of \$61,000 to the Project and transfer \$61,000 to project expenditure line item 42001008.720100; and
4. Authorize a budget amendment to increase the grant portion of the project by \$5,000 to a total of \$105,000 in line 423001008.720100

MEETING DATE 05/22/06

AGENDA ITEM Consideration to Approve the Purchase of Replacement Traffic
Signal Preemption Devices Project T-1008

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1 List of intersections to receive replacement
traffic signal preemption devices

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**LIST OF INTERSECTIONS TO RECEIVE
REPLACEMENT TRAFFIC SIGNAL PREEMPTION DEVICES
May 22, 2006 City Council Agenda Item**

1	Culver Boulevard	Overland Avenue
2	Culver Boulevard	Motor Avenue
3	Culver Boulevard	Madison Avenue
4	Culver Boulevard	Duquesne Avenue
5	Culver Boulevard	La Fayette Place
6	Culver Boulevard	Elenda Street
7	Culver Boulevard	Sawtelle Boulevard
8	Duquesne Avenue	Jefferson Boulevard
9	Jefferson Boulevard	Slauson Avenue
10	Overland Avenue	MGM Driveway
11	Overland Avenue	Virginia Avenue
12	Overland Avenue	Centinela Avenue
13	Overland Avenue	Franklin Avenue
14	Overland Avenue	Jefferson Boulevard
15	Sawtelle Boulevard	405 Freeway Off Ramps
16	Sepulveda Boulevard	Washington Place
17	Sepulveda Boulevard	Lucerne Avenue
18	Sepulveda Boulevard	Braddock Drive
19	Sepulveda Boulevard	Linblade Drive
20	Sepulveda Boulevard	Culver Boulevard
21	Sepulveda Boulevard	Green Valley Circle
22	Sepulveda Boulevard	West Mall Driveway
23	Sepulveda Boulevard	Route 90 On Ramp
24	Sepulveda Boulevard	Slauson Avenue
25	Sepulveda Boulevard	Jefferson Boulevard
26	Sepulveda Boulevard	Berryman Avenue
27	Sepulveda Boulevard	Sawtelle Boulevard
28	Sepulveda Boulevard	Jefferson Boulevard
29	Sepulveda Boulevard	Route 405 On Ramp
30	Washington Boulevard	Culver Boulevard/Main Street
31	Washington Boulevard	Duquesne Avenue/Hughes Avenue
32	Washington Boulevard	Madison Avenue
33	Washington Boulevard	Jasmine Avenue
34	Washington Boulevard	Motor Avenue
35	Washington Boulevard	Overland Avenue
36	Washington Boulevard	Culver Center
37	Washington Boulevard	Sepulveda Boulevard
38	Washington Boulevard	Elenda Street
39	Washington Boulevard	Ince Boulevard
40	Washington Boulevard	Robertson Boulevard
41	Washington Boulevard	National Boulevard
42	Washington Boulevard	Helms Avenue
43	Washington Boulevard	McManus Avenue
44	Washington Boulevard	La Cienega Boulevard
45	Washington Boulevard	Adams Boulevard
46	Washington Place	Tilden Avenue

