



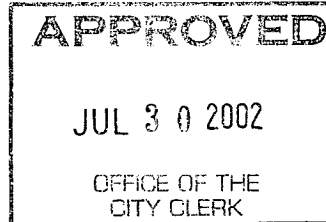
2.6

DEPARTMENT OF  
PUBLIC WORKS

TRAFFIC ENGINEERING  
DIVISION

CITY OF SACRAMENTO  
CALIFORNIA

July 12, 2002



1000 I STREET  
SUITE 170  
SACRAMENTO, CA  
95814

PH 916-264-5307  
FAX 916-264-8404

City Council  
Sacramento, California

Honorable Members in Session:

**SUBJECT: APPROVAL OF FUND APPROPRIATION IN THE AMOUNT OF \$63,000 TO COMPLETE RETROFIT OF LIGHT EMITTING DIODES (LED) INDICATIONS AT TRAFFIC SIGNAL INTERSECTIONS WITH BATTERY BACK UP SYSTEMS**

**LOCATION AND COUNCIL DISTRICT:** Citywide, all council districts.

**RECOMMENDATION:**

This report recommends that City Council adopt the attached resolution appropriating \$63,000 from Measure A Contingency to the LED Retrofit for BBS project (PN:SL35).

**CONTACT PERSON:** Angie Louie Fong, Supervising Engineer, 264-7921

**FOR COUNCIL MEETING OF:** July 30, 2002

**SUMMARY:**

This report requests that Council approve the appropriation of \$63,000 to complete retrofit of non-red traffic signal indications to Light Emitting Diodes (LEDs) at 25 intersections with Battery Back-up Systems.

**COMMITTEE/COMMISSION ACTION:** None

**BACKGROUND INFORMATION:**

Last summer, the Department of Public Works installed Battery Back-up Systems (BBS) at 25 signalized intersections in response to rolling blackout concerns (Attachment A). These intersections had red light emitting diode (LED) signal indications, allowing the

signal to operate in a flashing red mode up to eight hours with the BBS. However, in order to maintain full signal operations for up to three hours during a power outage at an intersection with a BBS unit, all signal indications (red, yellow, green and pedestrian) need to be LEDs. In July 2001, Council concurred with staff's recommendation to reallocate existing signal related funds to install all LED indications at the 25 intersections with BBS units to ensure full operation during a power outage. At this time, \$87,000 was allocated to order the equipment (PN:SL35 - LED Retrofit for BBS project).

The total estimated cost to retrofit (not including red LEDs) with green, yellow, arrows, and pedestrian indications at the 25 intersections with BBS units is \$150,000. Additional funding in the amount of \$63,000 is needed to complete this project.

**FINANCIAL CONSIDERATIONS**

The current project budget is \$87,000. The approval of the additional \$63,000 funding from Measure A Contingency will increase the total budget to \$150,000 which is sufficient to complete this project.

**ENVIRONMENTAL CONSIDERATIONS:**


Pursuant to Section 15378 (b) (3), the action requested in this report is not a project under the California Environmental Quality Act.

**POLICY CONSIDERATIONS:**

Providing full operations at key city signalized intersections in the event of power outages is consistent with the City's Strategic Plan Goal of Improving the Transportation System through the guiding principles of improving public safety and mobility.

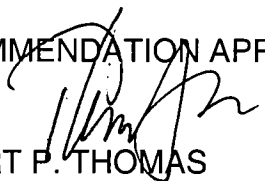
**ESBD CONSIDERATIONS:**

Any goods and services will be procured in accordance with established City policy.


Respectfully submitted,  


Martin W. Hanneman  
City Traffic Engineer

RECOMMENDATION APPROVED:

  
ROBERT P. THOMAS  
City Manager

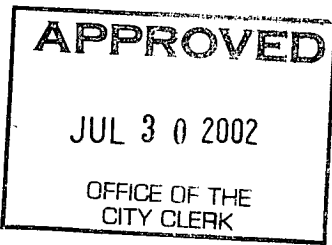
Approved by:

  
for Michael Kashiwagi  
Director of Public Works

Attachment

LOCATIONS WITH BBS UNITS

1. Pocket and Greenhaven
2. Franklin and 21<sup>st</sup> Ave.
3. Franklin and Fruitridge
4. Franklin and Mack
5. Franklin and Valley Hi
6. Mack and Valley Hi
7. Heritage and Response
8. Arden and Exposition
9. Arden and Heritage
10. Arden and Challenge
11. Arden and Del Paso
12. Del Paso and El Camino
13. Florin and 24<sup>th</sup>
14. Florin and Greenhaven
15. West El Camino and Azevedo
16. Arden-Garden and Northgate
17. 65<sup>th</sup> and Folsom
18. 65<sup>th</sup> and Broadway
19. Stockton and Broadway
20. Fair Oaks and Howe
21. Howe and University
22. Del Paso Blvd and Truxel Rd
23. Sutterville and Franklin Blvd
24. Truxel Rd. and Gateway Park Blvd
25. Marysville and Grand Ave.



**RESOLUTION NO. 2002-503**

ADOPTED BY THE SACRAMENTO CITY COUNCIL

ON DATE OF \_\_\_\_\_

**RESOLUTION APPROPRIATING \$63,000 FROM  
MEASURE A CONTINGENCY TO LED RETROFIT FOR BBS PROJECT (PN:SL35)**

**BE IT RESOLVED BY THE COUNCIL OF THE CITY OF SACRAMENTO THAT:**

The FY 2002/2003 Capital Improvement Program budget is amended by transferring \$63,000 from Measure A Contingency to the LED Retrofit for BBS project (PN:SL35) and adjust the budgets as follows:

201-710-7012-4999	Measure A Contingency	(\$63,000)
201-500-SL35-4820	LED Retrofit for BBS	\$63,000

\_\_\_\_\_  
MAYOR

ATTEST:

\_\_\_\_\_  
CITY CLERK

**FOR CITY CLERK USE ONLY**

RESOLUTION NO.: \_\_\_\_\_

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