

## Memorandum

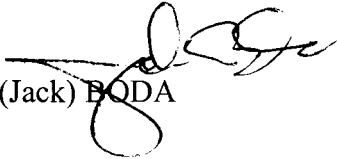
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Be energy efficient!*

To: DEPUTY DIRECTOR  
DEPUTY DISTRICT DIRECTORS  
Operations and Maintenance  
DISTRICT ELECTRICAL SENIORS, D1-D12  
ENGINEERING SERVICE CENTER- HQOE

Date: June 27, 2003

File:

From: JOHN A. (Jack) BODA  
Chief  
Division of Traffic Operations



Subject: State Furnished Materials for LED Modules and BBS Systems

This memorandum is to clarify the process used for obtaining the Light Emitting Diodes (LED) Traffic Signal Modules and LED Pedestrian signal face modules. It is the policy of the department that traffic signals and pedestrian service shall require LED Traffic Signal Modules and LED Pedestrian signal face Modules. The use of LED modules saves the State over 84% in energy costs.

In addition, because of the low power consumption of the LED Traffic Signal Modules, signalized intersections may require Battery Back-Up Systems. Please refer to the March 21, 2001, memo "Deploying Battery Back-up systems at Traffic Signalized Intersections." The BBS will benefit the State as well as the traveling motorist in case of a power interruption.

1. LED Traffic Signal and Pedestrian Modules and BBS Systems shall be State Furnished Equipment for all State projects involving new traffic signal system installations and/or modifications to existing system.
2. District Electrical Engineers will order the required LED Modules and BBS Systems through their district warehouse personnel. Be alerted that a lead-time of 30-45 days may be required to acquire the units from the HQ Warehouse.
3. Permit Fees for projects involving traffic signals, shall include adequate funds to State Furnish the LED signal modules and the BBS systems. District Permit Electrical

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Reviewer will order the required LED modules and the BBS Systems through their district warehouse personnel. Be alerted that a lead time of 30-45 days may be required to acquire the units from the HQ Warehouse

4. This process applies to each new and existing traffic signal system within the State Highway System, including those at the intersection of freeway ramps and local streets, whether they are maintained by the State or by local agency.

Any questions may be directed to Ms. Theresa Gabriel (916-654-5039) of my staff.

cc: Jack Boda  
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