



## Florida Department of Transportation

**CHARLIE CRIST**  
GOVERNOR

605 Suwannee Street  
Tallahassee, FL 32399-0450

**STEPHANIE KOPELOUSOS**  
SECRETARY

December 22, 2010

Monica Gourdine  
Program Operations Engineer  
Federal Highway Administration  
545 John Knox Road, Suite 200  
Tallahassee, Florida 32303

Re: Office of Design, Specifications  
Section 650  
Proposed Specification: 6500200 Vehicular Signal Assemblies - Materials.

Dear Ms. Gourdine:

We are submitting, for your approval, two copies of the above referenced Supplemental Specification.

These changes were proposed by Chester Henson of the State Roadway Design Office to match the Plans Preparation Manual requirement to install backplates on all signal head assemblies starting in January 2010.

Please review and transmit your comments, if any, within two weeks. Comments should be sent via email to SP965RP or rudy.powell@dot.state.fl.us.

If you have any questions relating to this specification change, please call Rudy Powell, State Specifications Engineer at 414-4280.

Sincerely,

Rudy Powell, Jr., P.E.  
State Specifications Engineer

RP/cah  
Attachment

cc: Gregory Jones, Chief Civil Litigation  
Florida Transportation Builders' Assoc.  
State Construction Engineer

## VEHICULAR SIGNAL ASSEMBLIES

(REV 11-48-10)

ARTICLE 650-2 (Page 760) is deleted and the following substituted:

### 650-2 Materials.

Use signal and signal ~~lamps~~ *auxiliaries* currently listed on the Department's Approved Product List (APL). Ensure that all equipment is marked in accordance with Section 603.

SUBARTICLE 650-3.8 thru 650-3.10 (Page 761) is deleted and the following substituted:

**650-3.8 Backplates:** *Install louvered backplates on all signal head assemblies. On posted speed limits of 45 mph or greater, provide backplates with a reflectorized border.*

**650-3.89 Sealing Installed Signal Head Assembly:** Ensure that the installed signal head assembly is sealed to exclude dust and moisture. Drill two 1/4 inch drain holes in the bottom of the installed signal head assembly.

**650-3.910 Concealing Signals Not in Use:** Where traffic signals are installed and not put into service immediately, conceal the signal head assembly by placing burlap bags or other covering approved by the Engineer over a weather resistant covering of non-transparent material open at the bottom to prevent condensation buildup.

**650-3.1011 Installation Sequence:** Install all traffic signal assemblies at any intersection as a single operation unless a staged operation is approved by the Engineer.

SUBARTICLE 650-4.2 (Page 761) is deleted and the following substituted:

**650-4.2 Furnish and Install:** The Contract unit price per assembly for Traffic Signal, furnished and installed, will consist of the traffic signal assembly, *backplates and including* all hardware, labor, and materials necessary for a complete and accepted installation.

ARTICLE 650-5 (Page 762) is deleted and the following substituted:

### 650-5 Basis of Payment.

Price and payment will be full compensation for all work specified in this Section, including all hardware necessary to make a complete unit with proper lens indications, mounting hardware, brackets, drop-pipe, disconnect hangers, bulbs, *backplates* and any other materials or equipment to make a complete installation.

Payment will be made under:

Item No. 650- 5- Traffic Signal—per assembly.

## **VEHICULAR SIGNAL ASSEMBLIES (REV 11-8-10)**

ARTICLE 650-2 (Page 760) is deleted and the following substituted:

### **650-2 Materials.**

Use signal and signal auxiliaries currently listed on the Department's Approved Product List (APL). Ensure that all equipment is marked in accordance with Section 603.

SUBARTICLE 650-3.8 thru 650-3.10 (Page 761) is deleted and the following substituted:

**650-3.8 Backplates:** Install louvered backplates on all signal head assemblies. On posted speed limits of 45 mph or greater, provide backplates with a reflectorized border.

**650-3.9 Sealing Installed Signal Head Assembly:** Ensure that the installed signal head assembly is sealed to exclude dust and moisture. Drill two 1/4 inch drain holes in the bottom of the installed signal head assembly.

**650-3.10 Concealing Signals Not in Use:** Where traffic signals are installed and not put into service immediately, conceal the signal head assembly by placing burlap bags or other covering approved by the Engineer over a weather resistant covering of non-transparent material open at the bottom to prevent condensation buildup.

**650-3.11 Installation Sequence:** Install all traffic signal assemblies at any intersection as a single operation unless a staged operation is approved by the Engineer.

SUBARTICLE 650-4.2 (Page 761) is deleted and the following substituted:

**650-4.2 Furnish and Install:** The Contract unit price per assembly for Traffic Signal, furnished and installed, will consist of the traffic signal assembly, backplates and all hardware, labor, and materials necessary for a complete and accepted installation.

ARTICLE 650-5 (Page 762) is deleted and the following substituted:

### **650-5 Basis of Payment.**

Price and payment will be full compensation for all work specified in this Section, including all hardware necessary to make a complete unit with proper lens indications, mounting hardware, brackets, drop-pipe, disconnect hangers, bulbs, backplates and any other materials or equipment to make a complete installation.

Payment will be made under:

Item No. 650- 5- Traffic Signal—per assembly.