



*Florida Department of Transportation*

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GOVERNOR

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JARED W. PERDUE, P.E.  
SECRETARY

August 2, 2024

Cathy Kendall  
Director, Office of Technical Services  
Federal Highway Administration  
3500 Financial Plaza, Suite 400  
Tallahassee, Florida 32312

Re: State Specifications Office  
Section: 650  
Proposed Specification: **6500200 Vehicular Traffic Signal Assemblies**

Dear Ms. Kendall:

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

The changes are proposed by Ronald Meyer to update formatting and requirements for consistency with warranty language for other traffic control devices.

Please review and transmit your comments, if any, within two weeks (10 business days). Comments should be sent via email [daniel.strickland@dot.state.fl.us](mailto:daniel.strickland@dot.state.fl.us).

If you have any questions relating to this specification change, please call me at (850) 414-4130.

Sincerely,

Signature on File

Daniel Strickland, P.E.  
State Specifications Engineer

DS/jb

Attachment

cc: Florida Transportation Builders' Assoc.  
State Construction Engineer

**VEHICULAR TRAFFIC SIGNAL ASSEMBLIES.**  
**(REV 6-5-24)**

ARTICLE 650-2 is deleted and the following substituted:

**650-2 Materials.**

Meet the following requirements:

Vehicular Traffic Signal Assemblies\* ..... 995-4

\*Use products on the Department's Approved Product List (APL).

~~Use vehicular signal assemblies that meet the requirements of Section 995 and are listed on the Department's Approved Product List (APL). Vehicular traffic signal assemblies must meet the physical and operational requirements of the MUTCD. Vehicular traffic signal assemblies must meet the requirements of Section 603 and the Institute of Transportation Engineers (ITE) Standard for Vehicle Traffic Control Signal Heads.~~

Provide vehicular traffic signal assemblies as a complete and functioning unit. Components include, but are not limited to, signal housing, light emitting diode (LED) signal modules, visors, backplates, and assembly hardware.

All sections of multi-section assemblies must be from the same manufacturer.

SUBARTICLE 650-3.13 is deleted and the following substituted:

**650-3.13 Transit Signal Heads:** Use two 12 inch signals for ~~For~~ transit signal priority at signalized intersections with bus queue jumper lanes, ~~install 12 inch two lens signal head assembly per the MUTCD, Figure 8C-3. The 12 inch LED optical unit indications must comply with the MUTCD, Section 8C.11 and as illustrated in Figure 8C-3. The 12 inch LED optical unit must conform to the requirements of the ITE's Performance Specification, Vehicle Traffic Control Signal Heads Light Emitting Diode (LED) Circular Signal Supplement, dated June 27, 2005, regarding environmental requirements, transient protection, operating voltage range, and electronic noise. The indication (bar symbol) must measure 1 1/2 inches wide by 9 inches long. The indication must be capable of being displayed in any angle of orientation from horizontal to vertical.~~

ARTICLE 650-4 is deleted and the following substituted:

**650-4 Warranty.**

Ensure that the signal housings, backplates, and any other signal assembly components have a manufacturer's warranty covering defects for a minimum of ~~three~~ 3 years from the date of final acceptance ~~in accordance with 5-11 and Section 608~~. Ensure the warranty includes providing replacements, within 30 calendar days of notification, for defective parts and equipment during the warranty period at no cost to the Department or the maintaining agency.

Ensure that the LED signal modules have a manufacturer's warranty covering defects for a minimum of ~~five~~ 5 years from the date of final acceptance ~~in accordance with 5-11 and 608~~. Ensure that the warranty includes providing replacements, within 30 calendar days of

notification, for any defective parts and equipment (including falling below minimum intensity levels) during the warranty period at no cost to the Department or the maintaining agency.

**VEHICULAR TRAFFIC SIGNAL ASSEMBLIES.**  
**(REV 6-5-24)**

ARTICLE 650-2 is deleted and the following substituted:

**650-2 Materials.**

Meet the following requirements:

Vehicular Traffic Signal Assemblies\* ..... 995-4

\*Use products on the Department's Approved Product List (APL).

Vehicular traffic signal assemblies must meet the physical and operational requirements of the MUTCD.

Provide vehicular traffic signal assemblies as a complete and functioning unit.

Components include, but are not limited to, signal housing, light emitting diode (LED) signal modules, visors, backplates, and assembly hardware.

All sections of multi-section assemblies must be from the same manufacturer.

SUBARTICLE 650-3.13 is deleted and the following substituted:

**650-3.13 Transit Signal Heads:** Use two 12 inch signals for transit signal priority at signalized intersections with bus queue jumper lanes.

ARTICLE 650-4 is deleted and the following substituted:

**650-4 Warranty.**

Ensure that the signal housings, backplates, and any other signal assembly components have a manufacturer's warranty covering defects for a minimum of 3 years from the date of final acceptance. Ensure the warranty includes providing replacements, within 30 calendar days of notification, for defective parts and equipment during the warranty period at no cost to the Department or the maintaining agency.

Ensure that the LED signal modules have a manufacturer's warranty covering defects for a minimum of 5 years from the date of final acceptance. Ensure that the warranty includes providing replacements, within 30 calendar days of notification, for any defective parts and equipment (including falling below minimum intensity levels) during the warranty period at no cost to the Department or the maintaining agency.