

## ORIGINATION FORM

**THE INFORMATION BELOW IS TO BE PROVIDED BY THE ORIGINATOR** (The person who receives or originates the issue and needs to forward the issue for action.)

**Specification:** 650-3.7

**Subject:** 650 VEHICULAR SIGNAL ASSEMBLIES  
650-3.7 Vertically Mounted Polycarbonate (Light-Weight) Signal Head Assemblies

**Origination date:** November 26, 2008

**Originator:** Jeff Morgan – Traffic Engineering and Operations Office  
**Office/Phone:** 850-921-7354

**Problem statement:** Certain polycarbonate three-section traffic signal assemblies are allowed to be installed without a die cast top section if they are approved and listed on the FDOT Approved Product List. The current specification prevents this. This revision is needed to allow the installation of approved all-poly three section signal assemblies for Districts that desire a lighter weight, corrosion resistant assembly to be installed.

**Proposed solution:** Add the one sentence show in the attached specification revision and the problem would be solved. The only documents impacted would be the Standard Specifications for Road and Bridge Construction and the Minimum Specifications for Traffic Control Signal Devices.

**Information source:** Gene Syfrett, District 3 Traffic Operations.

**Recommended Usage Note:** None.

**Estimated fiscal impact, if implemented:** None.

**Implementation of these changes, if and when approved, will begin with the July 2009 letting.**

### For State Specifications Office Use Only

Begin date:

File Number:

Scheduled completion date:

Implementation date:

Implementation team member:

Usage Note:



## *Florida Department of Transportation*

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### MEMORANDUM

**DATE:** May 1, 2009

**TO:** Specification Review Distribution List

**FROM:** Rudy Powell, Jr., P.E., State Specifications Engineer

**SUBJECT:** Proposed Specification: **6500307 Vehicular Signal Assemblies - Installation**

In accordance with Specification Development Procedures, we are sending you a copy of a proposed specification change.

This change was proposed by Jeff Morgan to allow certain polycarbonate 3-section traffic signal assemblies to be installed without a die cast top section if they are approved and listed on the Department's Approved Product List (APL).

Please share this proposal with others within your responsibility. Review comments are due within four weeks and should be sent to Mail Station 75 or to my attention via e-mail at ST986RP or rudy.powell@dot.state.fl.us. Comments received after May 29, 2009, may not be considered. Your input is encouraged.

RP/  
Attachment

**VEHICULAR SIGNAL ASSEMBLIES – INSTALLATION.**  
**(REV 7-25-084-30-09)**

SUBARTICLE 650-3.7 (pages706) is deleted and the following substituted:

**650-3.7 Vertically Mounted Polycarbonate (Light-Weight) Signal Head Assemblies:**

~~Ensure that when mounted in a vertical position and suspended from the top section all polycarbonate signal head assemblies have a die cast aluminum top section. Ensure that all sections of the assembly are from the same manufacturer. Single section polycarbonate assemblies may be used without a die cast aluminum top section.~~

*The top section of multi- section, vertically mounted, light- weight signal heads must be constructed of die cast aluminum, unless the entire 3- section polycarbonate signal head assembly is specifically approved and listed on the APL as a 12” Polycarbonate 3- Section Vehicle Assembly. Ensure that all sections of multi- section assemblies are from the same manufacturer.*

*Single section signals may utilize die cast aluminum or polycarbonate construction.*

Notes: