

ORIGINATION FORM

Date: **05-29-2014**

Originator: Ron Meyer

Contact Information: Traffic Engineering and Operations, Traffic Systems Section
850-410-5600

Specification Title: **TRAFFIC CONTROLLER ASSEMBLISS**

Specification Section, Article, or Subarticle Number: 670

Why does the existing language need to be changed? Requirements previously contained in the Minimum Specifications for Traffic Control Signals and Devices (MSTCSD) must be consolidated into the Standard Specifications for Road and Bridge Construction (SSRBC). The consolidation effort is an ongoing project of the FDOT Central Office "Consolidation of Products and Specifications" (COPS) working group in conjunction with the C-team.

Summary of the changes: Added content for material requirements from the MSTCSD into the existing SSRBC section.

Are these changes applicable to all Department jobs? If not, what are the restrictions? This requirement has typically been applicable to all jobs in the past, specifically those including Traffic Controller Assemblies.

Will these changes result in an increase or decrease in project costs? If yes, what is the estimated change in costs? No increase or decrease in project costs is expected.

With who have you discussed these changes? In-house stakeholders (Traffic Engineering and Operations, Specifications, Construction, and Roadway Design staff).

What other offices will be impacted by these changes? Specifications and Estimates, Construction, Maintenance, and Roadway Design.

Are changes needed to the PPM, Design Standards, SDG, CPAM or other manual? No.

Is a Design Bulletin, Construction Memo, or Estimates Bulletin needed? No.

Contact the State Specifications Office for assistance in completing this form.

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ANANTH PRASAD, P.E.
SECRETARY

MEMORANDUM

DATE: August 6, 2014
TO: Specification Review Distribution List
FROM: Daniel Scheer, P.E., State Specifications Engineer
SUBJECT: Proposed Specification: **6700000 Traffic Controller Assemblies.**

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

This change was proposed by Alan El-Urfali of the State Traffic Engineering and Operations Office to consolidate material requirements from the Minimum Specifications for Traffic Control Signals and Devices (MSTCSD) and the Standard Specifications for Road and Bridge Construction (SSRBC). This activity is a planned part of an ongoing specification consolidation effort.

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 online at <http://www2.dot.state.fl.us/SpecificationsEstimates/Development/IndustryReview.aspx> . Comments received after **September 3, 2014**, may not be considered. Your input is encouraged.

DS/dt
Attachment

TRAFFIC CONTROLLER ASSEMBLIES.

(REV ~~5-297-29~~-14)

SECTION 670 is deleted and the following substituted:

SECTION 670 TRAFFIC CONTROLLER ASSEMBLIES

670-1 Description.

Furnish and install a traffic controller assembly or flashing intersection control beacon controller assembly *as shown in the Plans. Meet the requirements of Section 603.*

670-2 Materials.

Use a traffic controller assembly or intersection control beacon controller assembly listed on the Department's Approved Product List (APL). ~~Ensure that the t~~Traffic controller assembly ~~yies or~~and intersection control beacon controller assembly ~~yies is~~must be permanently marked with manufacturer name or trademark, ~~as well as~~ part number and serial number. ~~Ensure that the m~~Markings ~~are~~must be visible after installation.

Provide a traffic controller assembly consisting of a traffic controller, traffic controller accessories (including monitors, load switches, flasher, flash transfer relay, power supplies), and other equipment wired into a controller cabinet to make a complete and operational assembly. All traffic controller assemblies must provide functionality that meets or exceeds operational characteristics, including NTCIP support, as described in NEMA TS-2-2003.

670-2.1 Traffic Controller: Meet the requirements of Section 671.

670-2.2 Traffic Controller Accessories: Meet the requirements of Section 678.

670-2.3 Controller Cabinet: Meet the requirements of Section 676.

670-2.4 Flashing Intersection Control Beacon Controller Assembly: A flashing intersection control beacon controller assembly must consist of a Type 3 flasher wired into a Type 1 controller cabinet to make a complete and operational assembly.

670-3 Installation Requirements.

670-3.1 Controller Cabinets: Meet the requirements of Section 676.

670-3.2 Field Wiring: Meet the requirements of Sections 632 and 676.

670-3.3 Grounding: Meet the requirements of Sections 620 and 676.

670-3.4 Equipment Placement: Install all equipment in the cabinet in accordance with the manufacturer's recommendations.

670-4 Method of Measurement.

The Contract unit price per assembly for traffic controller assembly or intersection control beacon controller assembly will include all labor, equipment, and miscellaneous materials necessary for a complete and accepted installation.

670-5 Basis of Payment.

Prices and payments will be full compensation for all work specified in this Section. Payment will be made under:

6700000

All Jobs

Item No. 670- 4- Intersection Control Beacon Controller Assembly - per
assembly.

Item No. 670- 5- Traffic Controller Assembly - per assembly.