

ORIGINATION FORM

THE INFORMATION BELOW IS TO BE PROVIDED BY THE ORIGINATOR

Modify Specification Section 705.
Section/File number

New Section _____.
Section number

Subject: Highway Delineators

Origination date: June 1, 2007

Originator: Chester Henson
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Problem statement: The current specification did not address the differences between object markers and delineators. Information in the current specification was inconsistent with the Manual on Uniform Traffic Control Devices.

Information source: The changes were coordinated with specifications, maintenance and industry.

Background data: The Design Standards and pay items have also been revised to clarify the differences between object markers and delineators.

**Recommended
Usage Note:**

**Expected fiscal
impact, if
implemented:** There is no significant financial impact.

Implementation of these changes, if and when approved, will begin with the July 2008 letting.



Florida Department of Transportation

CHARLIE CRIST
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

STEPHANIE KOPELOUSOS
SECRETARY

MEMORANDUM

DATE: June 8, 2007
TO: Specification Review Distribution List
FROM: Duane F. Brautigam, P.E., State Specifications Engineer
SUBJECT: Proposed Specifications Change:7050000 Object Markers and Highway Delineators

In accordance with Specification Development Procedures, we are sending you a copy of a proposed new specification change for Object Markers and Highway Delineators.

This change was proposed by Chester Henson of the State Design Office to address differenced between object markers and delineators and to eliminate inconsistencies with the current specs and the Manual on Uniform Traffic Control Devices.

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 SP965DB or duane.brautigam@dot.state.fl.us. Comments received after July 6, 2007 may not be considered. Your input is encouraged.

DFB/ft

Attachment

COMMENTS:

Submitted by:

Phone #:

HIGHWAY DELINEATORS.
(REV ~~4-25-07~~~~6-4-07~~)

SECTION 705 (Pages 731 and 732) is deleted and the following substituted:

SECTION 705
***OBJECT MARKERS AND* ~~HIGHWAY~~-DELINEATORS**

705-1 Description.

Furnish and install object markers *to mark obstructions within or adjacent to the roadway and highway delineators, with supporting posts,* of the types and at the locations called for in the plans *Design Standards or on the plans.* ~~Highway delineators consist of a reflector, or reflective sheeting permanently adhered to sheet aluminum, mounted to delineator post.~~

Furnish and install delineators above the roadway surface or along the side of the roadway to indicate the alignment of the roadway as indicated in the Design Standards or on the plans.

705-2 Materials.

705-2.1 ~~Delineator Assembly~~*General* : ~~Meet the requirements of Sections 993 and 994.~~
Meet the following requirements:

Recycled Plastic Products.....Section 972

Object Markers and DelineatorsSection 993

Retroreflective and Non-Reflective Sign Sheeting.....Section 994

705-2.2 ~~Object Markers:~~ ~~Meet the arrangement and design requirements of Section 3C of the MUTCD, with the following additions:~~

~~_____ (1) Use 0.080 inch aluminum sheets and plates and conform to ASTM B 209, Aluminum Association Alloy 6061 T6 or 5052 H38, or Fiberglass Reinforced Plastic Sign Panels conforming to 700-2.2.~~

~~_____ (2) Obtain the Engineer's approval of the object marker bracket and attachment.~~

~~_____ **705-2.3 Metal Delineator Posts:** Meet the requirements of Section 993.~~

~~_____ **705-2.4 Flexible Delineator Posts:** Meet the requirements of Section 972.~~

~~_____ **705-2.5 Reflective Sheeting for Delineator Posts:** Use Types III, IV, V or VII reflective sheeting meeting the requirements of Section 994.~~

705-2.26 Product Acceptance on the Project: Ensure that ~~Type A, Type C~~ delineators, and delineator post assemblies and markers used to delineate guardrail are listed on the Qualified Products List.

Provide to the Engineer a manufacturer's certification conforming to the requirements of Section 6, which confirms that each product meets the requirements of this Section.

705-3 Installation Requirements.

Delineators, object markers, and ~~Install the posts and mount the delineator assemblies or object markers to the top of the posts in accordance with the manufacturer's instructions. Install surface mounted posts to a height of 36 inches from the existing surface to the top of the posts. Install ground mounted posts to a height of 48 inches from the existing ground to the top of the posts.~~

~~Where reflective sheeting is a part of the delineator assembly, provide an assembly having a minimum of 4 by 8 inches of reflective sheeting, free of physical damage prior to and after installation. Mount the reflective sheeting using pressure sensitive adhesive in accordance with sheeting manufacturer's requirements, to prevent disbonding of the sheeting during the life of the post.~~ *reflector units for guardrail and barrier wall shall be installed at locations identified in the plans and in accordance with the Design Standards.*

705-4 Method of Measurement.

The quantity to be paid for will be the number of delineators or object markers furnished, installed and accepted.

705-5 Basis of Payment.

Prices and payments will be full compensation for work specified in this Section, including the cost of labor, materials, and incidental items required to complete the work.

Payment will be made under:

~~Item No. 705- 1 Delineator, Single Unit each.~~

~~Item No. 705- 2 Delineator, Double Unit each.~~

~~Item No. 705- 3 Delineator, Triple Unit each.~~

Item No. 705- 10- Object Marker - each.

~~Item No. 705- 71 Tubular Delineator (Flexible) each.~~

Item No. 705- 11~~xx~~ Delineator – each.