



Florida Department of Transportation

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THOMAS F. BARRY, JR.
SECRETARY

MEMORANDUM

DATE: October 21, 2002
TO: Specification Review Distribution List
FROM: Duane F. Brautigam, P.E., State Specifications Engineer
SUBJECT: **Proposed Specifications Change – D7050000 – Highway Delineators.**

In accordance with Specification Development Procedures, we are sending you a copy of a proposed specification change to Section 705.

This change was proposed by Philip Lancaster, State Materials Office to incorporate Qualified Products List (QPL) and Certification requirements.

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 November 18, 2002 may not be considered. Your input is encouraged.

DFB/jho

Attachment

COMMENTS:

Submitted by:

Phone #:

HIGHWAY DELINEATORS.
(REV ~~10-10-02~~ 10-21-02)

SECTION 705 (Pages 772 and 773) is deleted and the following substituted:

SECTION 705
HIGHWAY DELINEATORS

705-1 Description.

Furnish and install object markers and highway delineators, with supporting posts, of the types and at the locations called for in the plans. Highway delineators consist of a reflector, or reflective sheeting permanently adhered to sheet aluminum, mounted to delineator post. ~~Use only delineator posts, reflectors and reflective sheeting listed on the Qualified Products List.~~

705-2 Materials.

705-2.1 Delineator Assembly: Meet the requirements of Sections 993 and 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 [2.0 mm] aluminum sheets and plates and conform to ASTM B 209 [ASTM B 209M], 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.

705-2.6 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. Manufacturers seeking evaluation of their product must submit an application in accordance with Section 6.*

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.

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 [1 m] from the existing surface to the top of the posts. Install ground mounted posts to a height of 48 inches [1.2 m] 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 [100 by 200 mm] 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.

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. 2705- 1-	Delineator, Single Unit - each.
Item No. 705- 2-	Delineator, Double Unit - each.
Item No. 2705- 2-	Delineator, Double Unit - each.
Item No. 705- 3-	Delineator, Triple Unit - each.
Item No. 2705- 3-	Delineator, Triple Unit - each.
Item No. 705- 10-	Object Marker - each.
Item No. 2705- 10-	Object Marker - each.
Item No. 705- 71-	Tubular Delineator (Flexible) - each.
Item No. 2705- 71-	Tubular Delineator (Flexible) - each.