

# Origination Form

## Specifications

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<b>Date:</b>	2025-05-28T17:56:00Z	<b>Associated Specs:</b>	704

### Summary:

Update Div II and Div III language to make provision for 24" tubular markers and add language to support usage options in non-paved areas.

### Justification:

(Associated with proposed revision to 704). The Managed Lanes Guidebook calls for the use of 24" tubular markers where stopping sight-distance criteria cannot be met - The Specifications currently allow for 36" markers only, requiring an MSP to be generated each time they are needed. Updating the language will eliminate the MSP requirement. Updates to Index 711-001 will add an option for non-paved area usages - Updating the Specification language will clarify and support the change.

### Do the changes affect other types of specifications?

Neither

### List Specifications Affected:

Other Affected Documents/Offices	Contacted	Yes/No
Other Standard Plans	Myself	Yes
Florida Design Manual		No
Structures Manual		No
Basis of Estimates Manual	Josh Toole	Yes
Approved Product List	Melissa Hollis	Yes
Construction Office		No
Maintenance Office		No
Materials Manual		No

**Are changes in line with promoting and making progress on improving safety, enhancing mobility, inspiring innovation, and fostering talent; explain how?**

N/A

**What financial impact does the change have; project costs, pay item structure, or consultant fees?**

May slightly reduce consultant fees by eliminating the processing of an MSP.

**What impact does the change have on production or construction schedules?**

May slightly cut down production time by eliminating the processing of an MSP.

**How does this change improve efficiency or quality?**

Same as above.

**Which FDOT offices does the change impact?**

Specifications and Systems Management

**What is the impact to districts with this change?**

None

**Does the change shift risk and to who?**

No

**Provide summary and resolution of any outstanding comments from the districts or industry.**

Comments and Responses are available on the Track the Status of Revisions hyperlink located on the Specifications landing page: <https://www.fdot.gov/programmanagement/Specs.shtm>

**What is the communication plan?**

Through the established specification revision process (e.g., Internal and Industry Review)

**What is the schedule for implementation?**

The Standard Specifications eBook and Workbook are effective July 1st every year.

## CHANNELIZING DEVICE MATERIALS (REV 5-28-25)

SUBARTICLE 991-1.2 is deleted and the following substituted:

**991-1.2 Dimensions:** The post shall have a minimum diameter of 3 inches. The base of the tubular marker shall have a maximum diameter, width, or length of 8 inches. The height of the tubular marker above the pavement surface shall be 24 or 36 inches.

SUBARTICLE 991-1.5 is deleted and the following substituted:

**991-1.5 Product Testing:** Manufacturers seeking evaluation of Tubular Markers not listed on the APL must include test reports from AASHTO Product Evaluation & Audit Solutions documenting the product meets the requirements of this Section. Impact testing must be performed on concrete in accordance with AASHTO Product Evaluation & Audit Solutions: Evaluation of Temporary Traffic Control Devices, Flexible Delineators for the category of High Speed Applications and for hot weather test temperature only.

Impact tests shall be performed only on tubular markers measuring 36 inches above the pavement surface. Evaluation of 24-inch tubular markers will be based on the 36-inch product testing.

Acceptable products are those meeting the following requirements after receiving an average of 45 bumper impacts per sample and an average of 150 tire impacts per sample:

1. All posts shall self-restore to within 15 degrees list or lean from vertical.
2. All posts shall have a minimum of 50% of its cross-section, at any point along the post height, free of tears or cracks.

Acceptable products used for non-paved areas in accordance with Index 711-001 must have a passing post (condition 2 above) with a drivable base.

SUBARTICLE 991-1.6 is deleted and the following substituted:

**991-1.6 Approved Product List Submission Requirements:** Manufacturers seeking evaluation of Tubular Marker products for inclusion on the APL shall submit an application in accordance with Section 6 and include the following documentation.

Table 991-1

Documentation	Requirement
Installation Instructions	Include mounting surface preparations, and touch-up and repair procedures. Separate installation instructions are required for different substrates. Identify adhesive types and mechanical anchor types for attachment of base to substrate.
AASHTO Product Evaluation & Audit Solutions: Audit Report	See <a href="#">Section Product testing per</a> 991-1.5
Product Label Photo	Displays the Product Name. Displays additional label requirements, if needed.
Product Photo	Displays the significant features of the product. Displays location of Manufacturer name and model number.
Technical Data Sheet, marker	Uniquely identifies the product and includes product specifications, storage instructions, and recommended installation materials and equipment as applicable.
Product Sample	Upon request from the Department, submit a sample of the tubular marker mounting material or hardware. If the product is a system comprised of multiple parts, a sample of each part must be submitted.