



Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JARED W. PERDUE, P.E.
SECRETARY

August 26, 2025

Daniel Holt, PE, PTOE
Director, Project Delivery
Director, Technical Services
FHWA
400 West Washington Street, Suite 4200
Orlando, FL 32801

Re: State Specifications Office
Section: 991
Proposed Specification: **9910102 Channelizing Device Materials**

Dear Mr. Holt:

We are submitting, for your approval, two copies of the above referenced Supplemental Specification.

The changes are proposed by Ryan Gray to add language to support tubular marker options in non-paved areas

Please review and transmit your comments, if any, within two weeks (10 business days). Comments should be sent via email daniel.strickland@dot.state.fl.us.

If you have any questions relating to this specification change, please call me at (850) 414-4130.

Sincerely,

Signature on File

Daniel Strickland, P.E.
State Specifications Engineer

DS/jb

Attachment

cc: Florida Transportation Builders' Assoc.
State Construction Engineer

CHANNELIZING DEVICE MATERIALS

(REV 8-26-25)

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.

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 Section Product testing per 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.

CHANNELIZING DEVICE MATERIALS

(REV 8-26-25)

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.

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 Product testing per 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.