

Origination Form

Specifications

Submittal Information			
Name:	Julia Cooper	Standard Specification Section:	990
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Date:	2026-05-19T15:46:55Z	Associated Specs:	N/A

Summary:

Section 2.3 (Drums): Updates to Fluorescent Orange color and upgrades sheeting from Type III or higher to Type IV for higher-quality material. Section 8.3 (Roll-Up Signs): Clarifies Fluorescent Orange color, aligns luminance with federal standards, and adds reboundable property testing to meet industry requirements.

Justification:

To provide clearer, more explicit requirements that align with current standards, enabling safer work zones. These updates clarify expectations for retroreflective sheeting and color properties used for drums and roll-up vinyl signs, reducing ambiguity and the risk of misapplication in the field.

Do the changes affect other types of specifications?

Neither

List Specifications Affected:

Other Affected Documents/Offices	Contacted	Yes/No
Other Standard Plans		No
Florida Design Manual		No
Structures Manual		No
Basis of Estimates Manual		No
Approved Product List		No
Construction Office		No
Maintenance Office		No

Materials Manual		No
Traffic Engineering Manual		No

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

Yes, incorporated changes to the Temporary Traffic Control Device Materials section provide clearer and more explicit language on material requirements, improving safety by reducing ambiguity and ensuring consistent application in the field. This clarity also supports mobility by minimizing delays during Maintenance of Traffic operations.

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

N/A

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

N/A

How does this change improve efficiency or quality?

For Section 2.3 (Drums), revising the requirement from Type III or higher to Type IV aligns with current practice and reflects the use of higher-quality sheeting materials. For Section 8.3 (Sign Panels), the ASTM luminance requirements for Fluorescent Orange and Orange are lower than federal standards. Since the MUTCD supersedes ASTM, explicitly incorporating the federal requirement into the specification improves quality by reducing the risk of incorrect reference.

Which FDOT offices does the change impact?

State Materials Office

What is the impact to districts with this change?

N/A

Does the change shift risk and to who?

N/A

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/specifications/default.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.

TEMPORARY TRAFFIC CONTROL DEVICE MATERIALS (REV 5-19-26)

ARTICLE 990-1 is deleted and the following substituted:

990-1 ~~General~~ Description.

990-1.1 General: This Section specifies the material requirements for temporary traffic control devices.

990-1.2 Approved Product List: All materials shall be one of the products listed on the Department's Approved Product List (APL). Manufacturers seeking evaluation of their product shall submit an application in accordance with Section 6 and include the documentation as identified in this section.

SUBARTICLE 990-2.3 is deleted and the following substituted:

990-2.3 Drums: ~~Drums~~ Sheeting shall meet the requirements of ASTM D4956 for Type ~~IV~~ II or higher retroreflective sheeting materials identified in Section 994 including supplementary requirements for reboundable sheeting with white and fluorescent orange stripes. Color shall be in accordance with applicable requirements of the MUTCD. After 12 months of weathering, in accordance with ASTM D4956 Type IV requirements, the sheeting shall meet the applicable performance criteria specified in Section 6 of ASTM D4956 and the color requirements specified in the MUTCD.

SUBARTICLE 990-4.9 is deleted and the following substituted:

990-4.9 Plastic Pull ~~T~~est: The stripes and markings shall support a dead weight of 4 pounds for not less than five minutes at a temperature range of 70°F to 80°F. Rectangular test specimen size shall be 6 inches by 1 inch by 0.05 inches minimum thickness.

SUBARTICLE 990-8.3 is deleted and the following substituted:

990-8.3 Sign Panels: Use signs that meet the material and process requirements of ASTM D4956 and Section 994. ~~Use Type VI sheeting for vinyl signs. Mesh signs must meet the color, daytime luminance, and non-reflective requirements of Section 994, Type VI.~~ After outdoor weathering in accordance with ASTM D4956, sheeting material shall meet the applicable performance requirements of ASTM D4956 Section 6 and the color requirements specified in the MUTCD.

For work zone roll up vinyl signs, use Type VI, Class 5 fluorescent orange retroreflective sheeting including supplementary requirements for reboundable sheeting.

Incident management signs shall be Type VI fluorescent pink.

For all static work zone signs, Use fluorescent orange Type IV sheeting for fluorescent orange work zone signs. Incident management signs shall be Type VI fluorescent pink.

For all other signs in the work zone, Use Type IV and Type XI sheeting for all other work zone signs.

SUBARTICLE 990-9.1.1 is deleted and the following substituted:

990-9.1.1 Removable Striping Type:

Table 990-2	
Characteristic:	Requirement
Composition:	Removable Polymer Striping Tape with pre-applied adhesive
Color:	White, Black or Orange*
Cross-section:	0.25 in. to 0.50 in. (height) x 4 in. (wide)

* Orange used for Temporary Raised Rumble Strips only

SUBARTICLE 990-9.1.2 is deleted and the following substituted:

990-9.1.2 Portable Type:

Table 990-3	
Characteristic:	Requirement
Composition:	Molded Engineered Polymer, Steel or Aluminum
Weight	Internally ballasted to a minimum of 100 lbs. to maintain position in use without the use of adhesives or mechanical fasteners
Color:	White, Black or Orange
Shape	Beveled on the leading edge
Cross-section:	0.625 in. to 0.875 in. (height) x 12 in. to 14 in. (wide)