

Origination Form

Specifications

Name:	Ronald Meyer	Specification Number:	970-2.3.4 (Table 970-2)
Email:	ronald.meyer@dot.state.fl.us	Associated Specs:	None
Date:	2024-06-27T19:33:34Z	Verified:	VERIFIED

Summary:

Removing requirements for Blue IIRPMs from Table 970-2.

Justification:

IIRPMs are not appropriate for marking fire hydrant locations. Traditional RPMs are required for that application. Blue IIRPMs are not allowed by the Traffic Engineering Manual and the IIRPM listed on the APL has a comment restriction allowing white, yellow, red only. The table title should also be clarified to indicate that the requirements therein are specifically for Class F RPMs (IIRPMs).

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. Changes reflect stakeholder needs and improve clarity of specification content.

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

No expected financial impact.

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

No expected impacts to production or construction schedules.

How does this change improve efficiency or quality?

Changes improve quality via consistency with requirements set forth in other FDOT publications.

Which FDOT offices does the change impact?

Traffic Engineering and Operations

What is the impact to districts with this change?

No expected impact to Districts.

Does the change shift risk and to who?

No shift in risk.

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.

**MATERIALS FOR RAISED PAVEMENT MARKERS AND ADHESIVE
(REV 6-27-24)**

SUBARTICLE 970-2.3.4 is deleted and the following substituted:

970-2.3.4 Performance Requirements: The light source for RPMs must be light-emitting diodes (LEDs).

The light produced by the RPM must only be visible from the direction of traffic that it is intended to guide. No light produced by the RPM should be visible when viewed from a height of 3.5 feet above the pavement at a distance of 20 feet from the opposite quadrant or side quadrants of the RPM's LED projection quadrant.

RPMs must be capable of producing the following luminance values when measured at the LED source:

Color	Luminance (Foot-candle)
White	5.00
Yellow	1.00
Red	1.50
<u>Blue</u>	<u>0.10</u>

The RPM lenses must meet the abrasion-resistant requirements of ASTM D4280. After abrading the RPM, the luminance produced by the RPM must be 50% or greater than the values in the above table.