

ORIGINATION FORM

Date: May 24, 2011

Originator: Chester A. Henson

Contact Information: Roadway Design (414-4117)

Specification Title: Traffic Marking Materials

Specification Section, Article, or Subarticle Number: Section 971

Why does the existing language need to be changed? Values were incorrect.

Summary of the changes: Modify minimum fineness of grind in 971-3.3 from 2 to 3 and remove the maximum value. Modify the minimum dry opacity from 0.96 to 0.92.

Are these changes applicable to all Department jobs? Yes. If not, what are the restrictions?

Will these changes result in an increase or decrease in project costs? If yes, what is the estimated change in costs? No.

With who have you discussed these changes? Manufactures and testing laboratories.

What other offices will be impacted by these changes? None

Are changes needed to the PPM, Design Standards, SDG, CPAM or other manual? No.

Is a Design Bulletin, Construction Memo, or Estimates Bulletin needed? No.

Contact the State Specifications Office for assistance in completing this form.

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ANANTH PRASAD, P.E.
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M E M O R A N D U M

DATE: June 8, 2011
TO: Specification Review Distribution List
FROM: Rudy Powell, Jr., P.E., State Specifications Engineer
SUBJECT: Proposed Specification: **9710303 Traffic Marking Materials.**

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

This change was proposed by Chester Henson of the State Roadway Design Office to correct the value for the minimum of fineness of grind, dry opacity and remove maximum value for fineness of grind.

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 SP965RP or rudy.powell@dot.state.fl.us. Comments received after **July 6, 2011** may not be considered. Your input is encouraged.

RP/cah
Attachment

TRAFFIC MARKING MATERIALS.
(REV 5-26-11)

SUBARTICLE 971-3.3 (of the Supplemental Specification) is deleted and the following substituted:

971-3.3 Physical Requirements: The material shall meet the following criteria:

Property	Test Method	Minimum	Maximum
Density	ASTM D 1475	13.5 ± 1.4 lb/gal	-
Viscosity at 77°F	ASTM D 562	80 KU	100 KU
Fineness of Grind	ASTM D 1210	32 (HS)	3 (HS)
Dry Opacity at 5 mils WFT	ASTM D 2805	0.9 2 6	-
Bleed Ratio	ASTM D 969	0.95	-
Flexibility	ASTM D 522 Method B	Pass	-
Abrasion Resistance	971-3.3.2	Pass	-

SUBARTICLE 971-4.3 (of the Supplemental Specification) is deleted and the following substituted:

971-4.3 Physical Requirements: The material shall meet the following criteria:

Property	Test Method	Minimum	Maximum
Density	ASTM D 1475	13.5 ± 0.37 lb/gal	N/A
Viscosity at 77°F	ASTM D 562	80 KU	100 KU
Fineness of Grind	ASTM D 1210	32 (HS)	3 (HS)
Dry Opacity at 5 mils WFT	ASTM D 2805	0.9 2 6	-
Bleed Ratio	ASTM D 969	0.95	-
Flexibility	ASTM D 522 Method B	Pass	-
Abrasion Resistance	971-4.3.2	Pass	-

SUBARTICLE 971-8.3 (of the Supplemental Specification) is deleted and the following substituted:

971-8.3 Physical Requirements: The material shall meet the following criteria:

Property	Test Method	Minimum	Maximum
Adhesion to Concrete	ASTM D 4541, ASTM D 7234 or ACI 503	Concrete Failure	-
Hardness	ASTM D 2240 (<i>Shore D</i>)	75	-
Abrasion Resistance	971-8.3.2	Pass	-