Florida Department of Transportation

RICK SCOTT
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

ANANTH PRASAD, P.E.
SECRETARY

July 11, 2011

Monica Gourdine
Program Operations Engineer
Federal Highway Administration
545 John Knox Road, Suite 200
Tallahassee, Florida 32303

Re: Office of Design, Specifications
Section 971
Proposed Specification: **9710303 Traffic Marking Materials.**

Dear Ms. Gourdine:

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

These changes were 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 for standard waterborne and fast dry solvent paint.

Please review and transmit your comments, if any, within two weeks. Comments should be sent via Email to SP965RP or rudy.powell@dot.state.fl.us.

If you have any questions relating to this specification change, please call Rudy Powell, State Specifications Engineer at 414-4280.

Sincerely,

Rudy Powell, Jr., P.E.
State Specifications Engineer

RP/cah
Attachment
cc: Gregory Jones, Chief Civil Litigation
Florida Transportation Builders' Assoc.
State Construction Engineer

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 77ºF	ASTM D 562	80 KU	100 KU
Fineness of Grind	ASTM D 1210	*3*~~2~~(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 77ºF	ASTM D 562	80 KU	100 KU
Fineness of Grind	ASTM D 1210	*3*~~2~~ (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 *(Shore D)*	75	-
Abrasion Resistance	971-8.3.2	Pass	-

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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 77ºF	ASTM D 562	80 KU	100 KU
Fineness of Grind	ASTM D 1210	3 (HS)	
Dry Opacity at 5 mils WFT	ASTM D 2805	0.92	-
Bleed Ratio	ASTM D 969	0.95	-
Flexibility	ASTM D 522 Method B	Pass	-
Abrasion Resistance	971-3.3.2	Pass	-

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

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Fineness of Grind	ASTM D 1210	3 (HS)	
Dry Opacity at 5 mils WFT	ASTM D 2805	0.92	-
Bleed Ratio	ASTM D 969	0.95	-
Flexibility	ASTM D 522 Method B	Pass	-
Abrasion Resistance	971-4.3.2	Pass	-

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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 (Shore D)	75	-
Abrasion Resistance	971-8.3.2	Pass	-