

Toole, Deborah

From: Toole, Deborah
Sent: Wednesday, July 29, 2009 9:50 AM
To: 'monica.gourdine@fhwa.dot.gov'; Ann W Allshouse (ann.allshouse@fhwa.dot.gov)
Cc: Powell, Jr., Rudy; Harvey, Shirley; Henson, Chester; Maxwell, Stefanie
Subject: Typo change to 7100200 Painted Pavement Markings
Attachments: 7100200.D02.doc; 7100200.D02.cln.doc

We are submitting the attached for your information. This is not a submittal for approval, but for language modifications. All references to durable paint have been removed.

Thank you.....Debbie

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710 PAINTED PAVEMENT MARKINGS.
(REV ~~7-296-95-1-09~~) (FA 7-20-09) (1-10)

ARTICLE 710-2 (Page 796) is deleted and the following substituted:

710-2 Materials.

Use only materials listed on the Qualified Products List (QPL) meeting the following requirements:

Raised Retro-reflective Pavement Markers and Bituminous Adhesive	Section 970
<i>Standard</i> Waterborne <i>Fast Dry Traffic</i> Paint	971-1 and 971-3
Fast Dry Solvent Paint	971-1 and 971-4
Glass Spheres	971-1 and 971-2

The Engineer will take random samples of all material in accordance with the Department's Sampling, Testing and Reporting Guide schedule.

SUBARTICLE 710-4.1 (Pages 796 - 797) is deleted and the following substituted:

710-4.1 General: Remove existing pavement markings, such that scars or traces of removed markings will not conflict with new pavement markings, by a method approved by the Engineer. Payment for marking removal will be in accordance with 102-5.8.

Before applying traffic stripes and markings, remove any material by a method approved by the Engineer that would adversely affect the bond of the traffic stripes.

Apply traffic stripes and markings only to dry surfaces, and when the ambient air and surface temperature is at least 40°F and rising. Do not apply traffic stripes and markings when winds are sufficient to cause spray dust.

Apply traffic stripes and markings, having well defined edges, over existing pavement markings such that not more than 2 inches on either end and not more than 1 inch on either side is visible.

Mix the paint thoroughly prior to pouring into the painting machine. Apply paint to the pavement by spray or other means approved by the Engineer.

Conduct field testing in accordance with FM 5-541 ~~and 5-579~~. Remove and replace traffic stripes and markings not meeting the requirements of this Section at no additional cost to the Department.

Apply all pavement markings prior to opening the road to traffic.

SUBARTICLE 710-4.1.1 (Page 797) is deleted and the following substituted:

710-4.1.1 Final Surface: Painted Pavement Markings (Final Surface) will include two applications of *standard* painted pavement markings and one application of retro-reflective pavement markers applied to the final surface. Wait at least 14 days after the first application to apply the second application of Painted Pavement Markings (Final Surface). Second application must be applied prior to final acceptance of the project.

Apply all retro-reflective pavement markers ~~permeating~~ the requirements of Section 706.

SUBARTICLE 710-4.3 (Page 797) is deleted and the following substituted:

710-4.3 Retroreflectivity: Apply white and yellow *standard* pavement markings that will attain an initial retroreflectance of not less than 300 mcd/lx·m² and not less than 250 mcd/lx·m², respectively. Measure, record and certify on a Department approved form and submit to the Engineer, the retroreflectivity of white and yellow pavement markings in accordance with Florida Method FM 5-~~579~~*541*.

The Department reserves the right to test the markings within 3 days of receipt of the Contractor's certification. Failure to afford the Department opportunity to test the markings will result in non-payment. The test readings should be representative of the Contractor's striping performance. If the retroreflectivity values measure below values shown above, reapply the striping at no additional cost to the Department.

For *standard and durable pavement* ~~work zone~~ markings, ensure that the minimum retroreflectance of white and yellow pavement markings are not less than 150 mcd/lx m². If the retroreflectivity values fall below the 150 mcd/lx m² value within six months of initial application-, the striping will be reapplied at the Contractor's expense.

710 PAINTED PAVEMENT MARKINGS.
(REV 7-29-09) (FA 7-20-09) (1-10)

ARTICLE 710-2 (Page 796) is deleted and the following substituted:

710-2 Materials.

Use only materials listed on the Qualified Products List (QPL) meeting the following requirements:

Raised Retro-reflective Pavement Markers and Bituminous Adhesive	Section 970
Standard Waterborne Fast Dry Traffic Paint	971-1 and 971-3
Fast Dry Solvent Paint	971-1 and 971-4
Glass Spheres	971-1 and 971-2

The Engineer will take random samples of all material in accordance with the Department's Sampling, Testing and Reporting Guide schedule.

SUBARTICLE 710-4.1 (Pages 796 - 797) is deleted and the following substituted:

710-4.1 General: Remove existing pavement markings, such that scars or traces of removed markings will not conflict with new pavement markings, by a method approved by the Engineer. Payment for marking removal will be in accordance with 102-5.8.

Before applying traffic stripes and markings, remove any material by a method approved by the Engineer that would adversely affect the bond of the traffic stripes.

Apply traffic stripes and markings only to dry surfaces, and when the ambient air and surface temperature is at least 40°F and rising. Do not apply traffic stripes and markings when winds are sufficient to cause spray dust.

Apply traffic stripes and markings, having well defined edges, over existing pavement markings such that not more than 2 inches on either end and not more than 1 inch on either side is visible.

Mix the paint thoroughly prior to pouring into the painting machine. Apply paint to the pavement by spray or other means approved by the Engineer.

Conduct field testing in accordance with FM 5-541. Remove and replace traffic stripes and markings not meeting the requirements of this Section at no additional cost to the Department.

Apply all pavement markings prior to opening the road to traffic.

SUBARTICLE 710-4.1.1 (Page 797) is deleted and the following substituted:

710-4.1.1 Final Surface: Painted Pavement Markings (Final Surface) will include two applications of standard painted pavement markings and one application of retro-reflective pavement markers applied to the final surface. Wait at least 14 days after the first application to apply the second application of Painted Pavement Markings (Final Surface). Second application must be applied prior to final acceptance of the project.

Apply all retro-reflective pavement markers per the requirements of
Section 706.

SUBARTICLE 710-4.3 (Page 797) is deleted and the following substituted:

710-4.3 Retroreflectivity: Apply white and yellow standard pavement markings that will attain an initial retroreflectance of not less than $300 \text{ mcd/lx}\cdot\text{m}^2$ and not less than $250 \text{ mcd/lx}\cdot\text{m}^2$, respectively. Measure, record and certify on a Department approved form and submit to the Engineer, the retroreflectivity of white and yellow pavement markings in accordance with Florida Method FM 5-541.

The Department reserves the right to test the markings within 3 days of receipt of the Contractor's certification. Failure to afford the Department opportunity to test the markings will result in non-payment. The test readings should be representative of the Contractor's striping performance. If the retroreflectivity values measure below values shown above, reapply the striping at no additional cost to the Department.

For standard pavement markings, ensure that the minimum retroreflectance of white and yellow pavement markings are not less than 150 mcd/lx m^2 . If the retroreflectivity values fall below the 150 mcd/lx m^2 value within six months of initial application, the striping will be reapplied at the Contractor's expense.