

ORIGINATION FORM

THE INFORMATION BELOW IS TO BE PROVIDED BY THE ORIGINATOR

Modify Specification 710/SS7100401.
Section/File number

New Section _____.
Section number

Subject: Painted Pavement Markings - Application

Origination date: January 2, 2007

Originator: Stefanie Maxwell

Office/Phone: State Construction Office (850) 414-4314

Email address: stefanie.maxwell@dot.state.fl.us

Userid: cn982sm

Problem statement: (1) Interpretation of last paragraph in 710-4.3 by some has been that the work zone pavement markings only have to be 150 mcd/lx·m² initially and not the intended 300 or 250 mcd/lx·m².
(2) To add back the 14 day requirement for the second application of Final Surface markings.

Information source: David Sadler, State Construction Engineer
Stefanie Maxwell, Specialty Engineer

Background data: (1) Clarify the spec so that it is understood that all painted pavement markings initial value is 300 or 250 and remove the designation to work zone pavement markings. (2) Want the 14 day requirement for second application, never intended for this to be deleted on the previous spec change.

Recommended Usage Note:

Expected fiscal impact, if implemented: None

Implementation of these changes, if and when approved, will begin with the July 2007 letting.



Florida Department of Transportation

CHARLIE CRIST
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

STEPHANIE KOPELOUSOS
INTERIM SECRETARY

MEMORANDUM

DATE: January 23, 2007
TO: Specification Review Distribution List
FROM: Duane F. Brautigam, P.E., State Specifications Engineer
SUBJECT: Proposed Specifications Change: **7100400**

In accordance with Specification Development Procedures, we are sending you a copy of a proposed new specification change for Painted Pavement Markings - Application.

This change was proposed by Stefanie Maxwell of the State Construction Office to clarify specification requirements for retroreflectivity and the second application of painted stripes.

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 SP965DB or duane.brautigam@dot.state.fl.us. Comments received after February 22, 2007 may not be considered. Your input is encouraged.

DFB/dr

Attachment

COMMENTS:

Submitted by:

Phone #:

PAINTED PAVEMENT MARKINGS – APPLICATION.
(REV 01-05-07)

ARTICLE 710-4 (Pages 738 and 739) is deleted and the following substituted:

710-4 Application:

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 102-5.98.

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.

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

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

710-4.2 Thickness: Apply paint to attain a minimum wet film thickness in accordance with the manufacturer's recommendations.

710-4.3 Retroreflectivity: Apply white and yellow 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. *-If the retroreflectivity falls below 150 mcd/lx·m² within six months of initial application, reapply the pavement markings at no additional cost to the Department.*

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 will be reapplied at the Contractor's expense at no additional cost to the Department.*

~~For 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.~~

710-4.4 Color: Use paint material that meet the requirements of 971-1.

710-4.5 Glass Spheres: Apply glass spheres on all pavement markings immediately and uniformly following the paint application. The rate of application shall be based on the manufacturer's recommendation.