

ORINATION FORM

THE INFORMATION BELOW IS TO BE PROVIDED BY THE ORIGINATOR

(The person who receives or originates the issue and needs to forward the issue for action.)

Modify Specification 7100000SS .
Section/File number

New Section _____ .
Section number

Subject: Painted Pavement Markings

Origination date: July 8, 2003

Originator: Chester Henson
Office/Phone: Roadway Design/ 414-4117
Email address/ chester.henson@dot.state.fl.us
Userid:

Problem statement: Industry standard method of measurement of retroreflectivity has changed from 15 meter geometry to 30 meter geometry.

Information source: Input was provided from materials lab, construction and maintenance.

Background data: Materials Lab, construction and maintenance currently have the equipment to measure retroreflectivity using the new 30 meter geometry.

**Recommended
usage uote:**

**Desired
implementation
date:** **Beginning with the July 2005 letting.**



Florida Department of Transportation

JEB BUSH
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JOSÉ ABREU
SECRETARY

MEMORANDUM

DATE: September 24, 2004

TO: Specification Review Distribution List

FROM: Duane F. Brautigam, P.E., State Specifications Engineer

SUBJECT: **Proposed Specifications Change: 7100004 - Painted Pavement Markings**

In accordance with Specification Development Procedures, we are sending you a copy of a proposed specification change to Section 710.

This change was proposed by Chester Henson of the State Roadway Design Office to specify the use of a 30 meter geometry instrument for measurement and required film thickness.

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 October 22, 2004 may not be considered. Your input is encouraged.

DFB/jf

Attachment

COMMENTS:

Submitted by:

Phone #:

PAINTED PAVEMENT MARKINGS.
(REV 9-14-04)

SUBARTICLE 710-4.3 (of the Supplemental Specification), is deleted and the following substituted:

710-4.3 Retroreflectivity: Apply white and yellow Painted Pavement Markings that will attain an initial retroreflectance of not less than ~~250~~³⁰⁰ ~~cd/ft²~~ mcd/lx·m² and not less than ~~175~~²⁵⁰ ~~cd/ft²~~·mcd/lx·m², respectively. *Use an approved 30-meter geometry instrument for measuring retroreflectivity. Measure and certify, on a Department approved form, no later than the next working day after the application of Painted Pavement Markings, the reflectivity of white and yellow Painted Pavement Markings in accordance with Florida Method FM 5-541.*

If the Department retests within 3 days of initial application and reflectivity values measure below values shown above, the striping will be reapplied at the Contractor's expense. Project personnel performing any retesting should take into consideration events beyond the control of the Contractor and not due to material application failures before requiring re-striping at Contractor expense. The retest readings should be representative of the Contractor's striping performance.

Ensure that the ~~intermittent and final~~^{minimum} retroreflectance of white and yellow ~~Painted P~~ pavement ~~M~~ markings are not less than 150 ~~cd/ft²~~·mcd/lx·m². *This does not apply to transverse lines, bike lane symbols and longitudinal lines adjacent to or in a proposed bike lane.* Re-stripe whenever the reflectivity falls below the intermittent retroreflectance. Compensation will be at the Contract unit price for the appropriate material when the material used appears on the QPL and is properly installed.

Painted Pavement Markings (Final Surface) shall meet the initial reflectivity values stated above.

~~Measure and certify (on Department approved form), no later than the next working day after the application of Painted Pavement Markings, the reflectivity of white and yellow Painted Pavement Markings in accordance with Florida Method FM 5-541. Use an approved 30-meter geometry instrument for measuring retroreflectivity.~~

ARTICLE 710-4 (of the Supplemental Specification) is expanded by the following new subarticle:

710-4.5 Required Film Thickness: *Apply paint to attain a minimum wet film thickness in accordance with the manufacturer's recommendations.*