



## Florida Department of Transportation

**CHARLIE CRIST**  
GOVERNOR

605 Suwannee Street  
Tallahassee, FL 32399-0450

**STEPHANIE KOPELOUSOS**  
SECRETARY

January 22, 2010

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

Re: Office of Design, Specifications  
Section 710  
Proposed Specification: 7100200 Painted Pavement Markings

Dear Ms. Gourdine:

We are submitting, for your approval, two copies of the above referenced Special Provision.

These changes were proposed by Chester Henson of the State Roadway Design Office to replace fast dry solvent paint with durable waterborne paint.

Please review and transmit your comments, if any, within two weeks. Comments should be sent via Email to ST986RP 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/dt

Attachment

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

**PAINTED PAVEMENT MARKINGS.**

(REV ~~112-22181-1009~~)

ARTICLE 710-2 (of the Supplemental Specifications) 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
- ~~Standard Waterborne Fast Dry Solvent Paint~~ ..... 971-1 and 971-4
- Durable Waterborne Traffic* ..... 971-1 and 971-2
- 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 710-4.3 (of the Supplemental Specifications) is deleted and the following substituted:

**710-4.3 Retroreflectivity:** Apply white and yellow standard *and durable* pavement markings that will attain an initial retroreflectance of not less than 300 mcd/lx·m<sup>2</sup> and not less than 250 mcd/lx·m<sup>2</sup>, 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 and durable* pavement markings, ensure that the minimum retroreflectance of white and yellow pavement markings are not less than 150 mcd/lx m<sup>2</sup>. If the retroreflectivity values fall below the 150 mcd/lx m<sup>2</sup> value within six months of initial application ~~for standard pavement markings or within 18 months of initial application for durable pavement markings~~, the striping will be reapplied at the Contractor’s expense.

SUBARTICLE 710-4.5 (Page 797) is deleted and the following substituted:

**710-4.5 Glass Spheres:** Apply glass spheres on all pavement markings immediately and uniformly following the paint application. *For standard paint markings, the type of beads and t*The rate of application shall be based on the manufacturer’s recommendation. *For durable paint markings, apply a single drop of Type 3 glass*

7100200.D024  
Maintenance All Jobs Only

spheres. The rate of application of Type 3 glass spheres shall be based on the manufacturer's recommendation.

**PAINTED PAVEMENT MARKINGS.**  
**(REV 1-22-10)**

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**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
- Durable Waterborne Traffic 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.

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**710-4.3 Retroreflectivity:** Apply white and yellow standard and durable pavement markings that will attain an initial retroreflectance of not less than 300 mcd/lx·m<sup>2</sup> and not less than 250 mcd/lx·m<sup>2</sup>, 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 painted pavement markings, ensure that the minimum retroreflectance of white and yellow pavement markings are not less than 150 mcd/lx m<sup>2</sup>. If the retroreflectivity values fall below the 150 mcd/lx m<sup>2</sup> value within six months of initial application, the striping will be reapplied at the Contractor’s expense.

SUBARTICLE 710-4.5 (Page 797) is deleted and the following substituted:

**710-4.5 Glass Spheres:** Apply glass spheres on all pavement markings immediately and uniformly following the paint application. For standard paint markings, the type of beads and the rate of application shall be based on the manufacturer’s recommendation. For durable paint markings, apply a single drop of Type 3 glass spheres. The rate of application of Type 3 glass spheres shall be based on the manufacturer’s recommendation.

