

## ORIGINATION 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**    7090000SS .  
Section/File number

**New Section**    \_\_\_\_\_ .  
Section number

**Subject:**                    Traffic Stripes and Markings - Two Reactive Components

**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

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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: 7090045 – Traffic Stripes and Markings – Two Reactive Components**

In accordance with Specification Development Procedures, we are sending you a copy of a proposed specification change to Traffic Stripes and Markings – Two Reactive Components.

This change was proposed by Chester Henson of the Roadway Design Office to specify the use of an approved 30 meter instrument, for measuring retroreflectivity.

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/sh

Attachment

COMMENTS:

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Submitted by:

Phone #:

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**TRAFFIC STRIPES AND MARKINGS – TWO REACTIVE COMPONENTS.**  
**(REV 9-10-049-15-04)**

ARTICLE 709-4.5 (of the Supplemental Specification), is deleted and the following substituted:

**709-4.5 Retroreflectivity:** Apply white and yellow pavement markings that will attain an initial retroreflectance of not less than ~~300 ed/fe\*ft<sup>2</sup> (300 mcd/lx\*m<sup>2</sup>)~~ and not less than ~~250 ed/fe\*ft<sup>2</sup> (250 mcd/lx\*m<sup>2</sup>)~~, respectively. *Use an approved 30 meter geometry instrument for measuring retroreflectivity.* ~~Ensure that the intermittent and final retroreflectance of white and yellow pavement markings are not less than 150 ed/fe\*ft<sup>2</sup> (150 mcd/lx\*m<sup>2</sup>).~~ This does not apply to transverse lines, bike lane symbols and longitudinal lines adjacent to or in a proposed bike lane.