

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 _____990_____.
Section/File number

New Section _____.
Section number

Subject: Radar Speed Display Unit – Message Display

Origination date: February 14, 2005

Originator: Cheryl Adams

Office/Phone: Roadway and Criteria Section/850-414-4327 or Suncom 994-4327

Email address/ cheryl.adams@dot.state.fl.us

Userid: RD960CA

Problem statement: We currently call for RED pixels in the message display of radar speed display units, and the MUTCD states, that the pixel color should be YELLOW.

Information source: The 2003 MUTCD has added language on the color to be used, that was not in the MUTCD in 2000. (Section 2B-13 on page 2B-11)

Background data: If a changeable message sign displaying approach speeds is installed, the legend YOUR SPEED XX km/h (MPH) or such similar legend should be shown. The color of the changeable message legend should be a **yellow** legend on a black background or the reverse of these colors.

Recommended

Usage Note: All Jobs

**Desired
implementation**

date: Beginning with the January 2006 letting.



Florida Department of Transportation

JEB BUSH
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JOSÉ ABREU
SECRETARY

MEMORANDUM

DATE: March 10, 2005

TO: Specification Review Distribution List

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

SUBJECT: Proposed Specifications Change: 9900092 Radar Speed Display Unit

In accordance with Specification Development Procedures, we are sending you a copy of a proposed specification change to the Message Display of the Radar Speed Display Unit.

This change was proposed by Cheryl Adams of the State Design Office to change the pixel color of the message display from red to yellow to meet requirements of the 2003 MUTCD.

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 April 8, 2005 may not be considered. Your input is encouraged.

DFB/ft

Attachment

COMMENTS:

Submitted by:

Phone #:

**RADAR SPEED DISPLAY UNIT
(REV 2-25-04)**

SUBARTICLE 990-9.2 (Page 934) is deleted and the following substituted:

990-9.2 Message Display: The message Display shall meet the following physical requirements as a minimum:

(1) Provide a bright LED, 18 inch [450 mm], two digit speed display ~~with red, pixels,~~ or a two (2) line display, *with yellow pixels*.

(2) The message display area shall be a maximum 66 inches [1.7 m] wide by 24 inches [.6m] high. The message matrix panel shall contain two separate lines. Each line shall consist of at least seven characters, equally spaced a minimum of the equivalent to a single column of inactive matrix elements. Each message shall provide for a minimum 10 inch [254 mm] character height.

(3) Speed display shall be visible from a distance of at least ½ mile [805 m] and legible from a distance of at least 650 feet [198 m] under both day and night conditions.