

WORKBOOK CHANGE(S)

Add: 7000025 SS. D02
Rev Date 2-25-04
F.A. Date 3-22-04
Letting Date 7-04

Move _____
To Deleted File _____
Rev Date _____
F.A. Date _____
Letting Date _____

Remarks New SS. Added
by Mandatory #2
for July 2004 letting

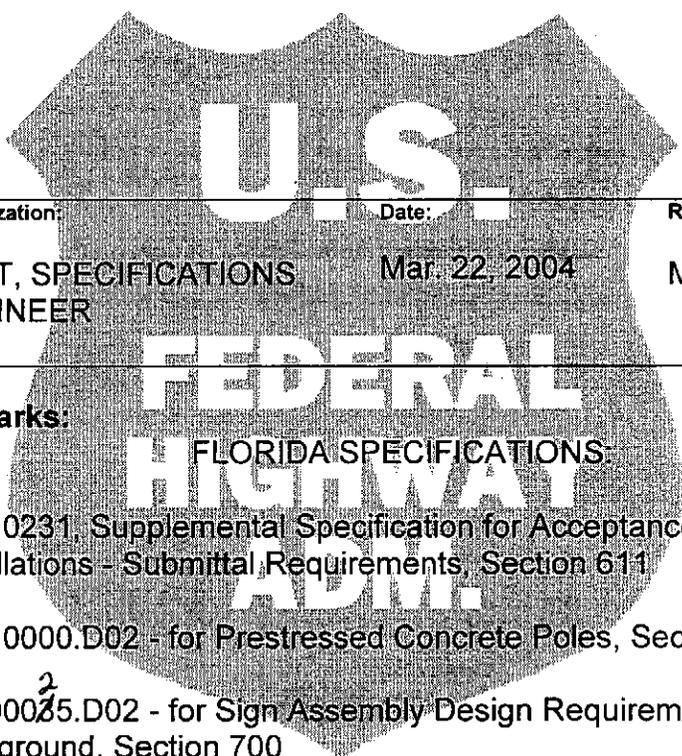
Dates

*Copy of Spec to _____ that Impacts
QPL (ONLY) _____
Added to Nextwb file 3-25-04 sh
Deleted from Nextwb file _____
History File Updated _____
Rolodexed 4/21/04 sh
Additional back-up see _____

Route Slip

U.S. Department of Transportation
 Federal Highway Administration
 Florida Division
 545 John Knox Road, Suite 200
 Tallahassee, FL 32303

Distribution:
FDOT MS-75



To: MR. DUANE BRAUTIGAM	Organization: FDOT, SPECIFICATIONS ENGINEER	Date: Mar. 22, 2004	Routing Symbol: MS-75
--------------------------------------	--	-------------------------------	---------------------------------

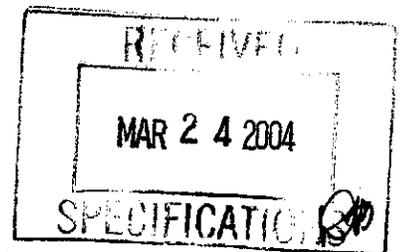
- Per Your Request
- For Your Information
- Per Our Conversation
- Comment
- Take Appropriate Action
- Note and Return
- Discuss With Me
- For Your Approval
- For Your Signature
- Please Answer
- Prepare Reply
For Signature of

Remarks:
 FLORIDA SPECIFICATIONS
 D6110231, Supplemental Specification for Acceptance of Signal Installations - Submittal Requirements, Section 611
 D6410000.D02 - for Prestressed Concrete Poles, Section 641
 D70000²35.D02 - for Sign Assembly Design Requirements - Sign Background, Section 700

ATTACHMENTS

From: By Ann Allshouse FOR: JAMES E. ST. JOHN, DIVISION ADMINISTRATOR	Telephone Number: (850) 942-9650, EXT. 3034	FDOT MS: # 29	Org/Rtg Symbol
---	---	-------------------------	-----------------------

DON Davis: ANN to file in binders cc: 1 (w/specification)





Florida Department of Transportation

JEB BUSH
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JOSÉ ABREU
SECRETARY

February 25, 2004

Mr. Donald Davis
Program Operations Engineer
Federal Highway Administration
545 John Knox Road
Tallahassee, Florida 32303

Re: Office of Design, Specifications
Section 700
Proposed Specification: D7000025.D02 – Sign Assembly Design Requirements – Sign
Background

Dear Mr. Davis:

We are submitting, for your approval, two copies of a proposed Supplemental Specification for Sign Assembly Design Requirements – Sign Background.

This change was proposed by Cheryl Adams of the Roadway Design Office to incorporate requirements for fluorescent orange for work zone signs.

Please review and transmit your comments, if any, within two weeks. Comments should be sent via Email to SP965DB or duane.brautigam@dot.state.fl.us.

If you have any questions relating to this specification change, please call Duane F. Brautigam, State Specifications Engineer at 414-4110.

Sincerely,

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

DFB/sh

Attachment

cc: General Counsel
Florida Transportation Builders' Assoc.
State Construction Engineer

SIGN ASSEMBLY DESIGN REQUIREMENTS – SIGN BACKGROUND.
(REV 2-25-04)

Deleted: 10-14-03

Deleted: 1-9-03

Inserted: 1-9-03

SUBARTICLE 700-2.5 (Page 731) is expanded by the following:

Use fluorescent orange Type VI or VII for all orange work zone signs on interstates. Do not mix work zone signs having fluorescent orange sheeting with signs having orange reflective sheeting.

Mesh signs shall meet the color, daytime luminance and non-reflective property requirements of Section 994 Type VI.

Deleted: Mesh signs for temporary use in only daytime hours shall meet the color, daytime luminance and non-reflective property requirements of Section 994 Type VI. Use fluorescent orange color for all mesh signs and all orange work zone signs on interstates.

Inserted: Mesh signs for temporary use in only daytime hours shall meet the color, daytime luminance and non-reflective property requirements of Section 994 Type VI. Use fluorescent orange color for all mesh signs and all orange work zone signs on interstates.

SUBARTICLE 700-3.8 (Page 732) is deleted and the following substituted:

700-3.8 Process Colors: Use transparent and black opaque process colors meeting the requirements of 994-4 on reflective sheeting and non-reflective sheeting.

Formatted

Deleted: for temporary use in only daytime hours

Deleted: Use fluorescent orange color for all mesh signs and all orange work zone signs on interstates

SIGN ASSEMBLY DESIGN REQUIREMENTS – SIGN BACKGROUND.
(REV 2-25-04)

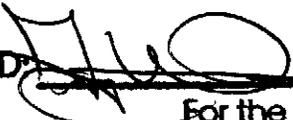
SUBARTICLE 700-2.5 (Page 731) is expanded by the following:

Use fluorescent orange Type VI or VII for all orange work zone signs on interstates. Do not mix work zone signs having fluorescent orange sheeting with signs having orange reflective sheeting.

Mesh signs shall meet the color, daytime luminance and non-reflective property requirements of Section 994 Type VI.

SUBARTICLE 700-3.8 (Page 732) is deleted and the following substituted:

700-3.8 Process Colors: Use transparent and black opaque process colors meeting the requirements of 994-4 on reflective sheeting and non-reflective sheeting.

APPROVED: 

DATE: 3-22-04

For the Division Administrator



Shirley Harvey

02/25/2004 01:21 PM

To: donald.davis@fhwa.dot.gov
cc: Clay McGonagill/CO/FDOT@FDOT, bburleson@ftba.com,
acarlisle@ftba.com, Ananth Prasad/CO/FDOT@FDOT,
ann.allshouse@fhwa.dot.gov
Subject: Approval for D7000025.D02 - Sign Assembly Design Requirements -
Sign Background



D7000025.D02.doc

Please review the attached draft specification and return your approval/comments within two weeks.

Thanks,
shirley harvey
SC 994-4120
(850)414-4120
shirley.harvey@dot.state.fl.us



Florida Department of Transportation

JEB BUSH
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JOSÉ ABREU
SECRETARY

February 25, 2004

Mr. Donald Davis
Program Operations Engineer
Federal Highway Administration
545 John Knox Road
Tallahassee, Florida 32303

Re: Office of Design, Specifications
Section 700

Proposed Specification: D7000025.D02 – Sign Assembly Design Requirements – Sign
Background

Dear Mr. Davis:

We are submitting, for your approval, two copies of a proposed Supplemental Specification for Sign Assembly Design Requirements – Sign Background.

This change was proposed by Cheryl Adams of the Roadway Design Office to incorporate requirements for fluorescent orange for work zone signs.

Please review and transmit your comments, if any, within two weeks. Comments should be sent via Email to SP965DB or duane.brautigam@dot.state.fl.us.

If you have any questions relating to this specification change, please call Duane F. Brautigam, State Specifications Engineer at 414-4110.

Sincerely,

A handwritten signature in black ink that reads "Duane F. Brautigam". The signature is stylized and cursive.

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

DFB/sh

Attachment

cc: General Counsel
Florida Transportation Builders' Assoc.
State Construction Engineer

SIGN ASSEMBLY DESIGN REQUIREMENTS – SIGN BACKGROUND.
(REV ~~10-14-03~~ ~~9-032-25-04~~)

SUBARTICLE 700-2.5 (Page 731) is expanded by the following:

~~Mesh signs for temporary use in only daytime hours shall meet the color, daytime luminance and non-reflective property requirements of Section 994 Type VI. Use fluorescent orange color for all mesh signs and all orange work zone signs on interstates. Use fluorescent orange Type VI or VII for all orange work zone signs on interstates. Do not mix work zone signs having fluorescent orange sheeting with signs having orange reflective sheeting.~~

~~Mesh signs for temporary use in only daytime hours shall meet the color, daytime luminance and non-reflective property requirements of Section 994 Type VI. Use fluorescent orange color for all mesh signs and all orange work zone signs on interstates.~~

SUBARTICLE 700-3.8 (Page 732) is deleted and the following substituted:

700-3.8 Process Colors: Use transparent and black opaque process colors meeting the requirements of 994-4 on reflective sheeting *and non-reflective sheeting.*

**SIGN ASSEMBLY DESIGN REQUIREMENTS – SIGN BACKGROUND.
(REV 2-25-04)**

SUBARTICLE 700-2.5 (Page 731) is expanded by the following:

Use fluorescent orange Type VI or VII for all orange work zone signs on interstates. Do not mix work zone signs having fluorescent orange sheeting with signs having orange reflective sheeting.

Mesh signs shall meet the color, daytime luminance and non-reflective property requirements of Section 994 Type VI.

SUBARTICLE 700-3.8 (Page 732) is deleted and the following substituted:

700-3.8 Process Colors: Use transparent and black opaque process colors meeting the requirements of 994-4 on reflective sheeting and non-reflective sheeting.

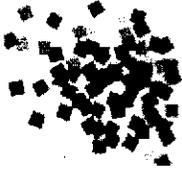
SIGN ASSEMBLY DESIGN REQUIREMENTS – SIGN BACKGROUND.
(REV ~~10-14-03~~ ~~9-03~~ 2/24/04)

SUBARTICLE 700-2.5 (Page 731) ~~is expanded by the following~~ *the last sentence is deleted and the following substituted:*

Use fluorescent orange Type VI or VII for all orange work zone signs on interstates. Do not mix work zone signs having fluorescent orange sheeting with signs having orange reflective sheeting. Mesh signs ~~for temporary use in only daytime hours~~ shall meet the color, daytime luminance and non-reflective property requirements of Section 994 Type VI. Use ~~fluorescent orange color for all mesh signs and all orange work zone signs on interstates.~~

SUBARTICLE 700-3.8 (Page 732) is deleted and the following substituted:

700-3.8 Process Colors: Use transparent and black opaque process colors meeting the requirements of 994-4 on reflective sheeting *and non-reflective sheeting.*



Cheryl Adams

02/25/2004 10:03 AM

To: Shirley Harvey/CO/FDOT@FDOT
cc: Clinton Shaw/CO/FDOT@FDOT, David Sadler/CO/FDOT@FDOT,
David Sumner/CO/FDOT@FDOT, Jim Mills/CO/FDOT@FDOT, Philip
D Lancaster/SM/FDOT@FDOT
Subject: Re: NEED ASAP - Comments Received for D7000025.D01 - Sign
Assembly Design Requirements - Sign Background

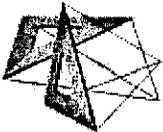
Please process for a July 2004 Letting! Thanks!

Phillip, Thanks for all your help, I really needed your expertise!

Cheryl Adams
Florida Department of Transportation
605 Suwannee Street MS 32
Tallahassee, Florida 32399-0450

Roadway and Criteria Section
850-414-4327 or Suncom 994-4327
cheryl.adams@dot.state.fl.us
RD960CA

----- Forwarded by Cheryl Adams/CO/FDOT on 02/25/2004 10:01 AM -----



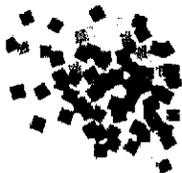
Philip D Lancaster

02/25/2004 09:54 AM

To: Cheryl Adams/CO/FDOT@FDOT
cc: Clinton Shaw/CO/FDOT@FDOT, David Sadler/CO/FDOT@FDOT,
David Sumner/CO/FDOT@FDOT, Jim Mills/CO/FDOT@FDOT, Shirley
Harvey/CO/FDOT@FDOT
Subject: Re: NEED ASAP - Comments Received for D7000025.D01 - Sign
Assembly Design Requirements - Sign Background

I checked these over. They look fine. Thanks,

Philip D. Lancaster, P.E
Florida Department of Transportation
Environmental Administrator
State Materials Office
(352)955-6654
Suncom: 625-6654
5007 NE 39th Avenue
Gainesville, FL 32609
Cheryl Adams



Cheryl Adams

02/24/2004 01:00 PM

To: Philip D Lancaster/SM/FDOT@FDOT
cc: Clinton Shaw/CO/FDOT@FDOT, David Sadler/CO/FDOT@FDOT,
David Sumner/CO/FDOT@FDOT, Jim Mills/CO/FDOT@FDOT, Shirley
Harvey/CO/FDOT@FDOT
Subject: Re: NEED ASAP - Comments Received for D7000025.D01 - Sign
Assembly Design Requirements - Sign Background

Here are the updated specs that incorporate Meslow, Dion's and Your comments.

Please review and make sure they are CORRECT and send me an E-Mail stating they are good
to go or mark up what needs to be corrected!

Thanks a heap!



D7000025.D01 - FOS Final to specs. D9940033 - FOS Final to Specs.c

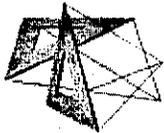


FOS Comment and Responses.c

Cheryl Adams
Florida Department of Transportation
605 Suwannee Street MS 32
Tallahassee, Florida 32399-0450

Roadway and Criteria Section
850-414-4327 or Suncom 994-4327
cheryl.adams@dot.state.fl.us
RD960CA

Philip D Lancaster



Philip D Lancaster
02/20/2004 05:33 PM

To: Cheryl Adams/CO/FDOT@FDOT
cc: Clinton Shaw/CO/FDOT@FDOT, David Sadler/CO/FDOT@FDOT,
David Sumner/CO/FDOT@FDOT, Jim Mills/CO/FDOT@FDOT
Subject: Re: NEED ASAP - Comments Received for D7000025.D01 - Sign
Assembly Design Requirements - Sign Background 

Paul's comment - The reference to ASTM D4956 type VI is for color, daytime luminance and non-reflective property a reflective roll-up sign. Since there are no other standards for non-reflective properties in ASTM, these properties are applicable to make the roll-up sign uniformed to what a motorist is expecting to see.

Dave's comment - I agree. ASTM is in the process of finalizing their specification which will be as those listed. Whenever the new ASTM D4956 is printed, then just a reference to the ASTM will be all that is required for the color.

Philip D. Lancaster, P.E
Florida Department of Transportation
Environmental Administrator
State Materials Office
(352)955-6654
Suncom: 625-6654
5007 NE 39th Avenue
Gainesville, FL 32609
Cheryl Adams



Cheryl Adams
02/12/2004 08:07 AM

To: Philip D Lancaster/SM/FDOT@FDOT
cc: Clinton Shaw/CO/FDOT@FDOT, Jim Mills/CO/FDOT@FDOT, David
Sadler/CO/FDOT@FDOT, David Sumner/CO/FDOT@FDOT
Subject: NEED ASAP - Comments Received for D7000025.D01 - Sign Assembly

Design Requirements - Sign Background

Phillip,

Please respond to David and Paul comments. They are outside my field.

I will take care of Bob and Roberts (the same person and comment)

Thanks

Cheryl Adams
Florida Department of Transportation
605 Suwannee Street MS 32
Tallahassee, Florida 32399-0450

Roadway and Criteria Section
850-414-4327 or Suncom 994-4327
cheryl.adams@dot.state.fl.us
RD960CA

----- Forwarded by Cheryl Adams/CO/FDOT on 02/12/2004 08:05 AM -----



Shirley Harvey

02/11/2004 10:34 AM

To: Cheryl Adams/CO/FDOT@FDOT
cc:
Subject: Comments Received for D7000025.D01 - Sign Assembly Design
Requirements - Sign Background



D7000025.D01.doc Bob Dion.pdf David Meslo.pdf Paul A. Grochowski.pdf Robert Dion.pdf

Please review the attached comments received from Industry Review and respond to each so that we may continue with the process.

Thanks,
shirley harvey
SC 994-4120
(850)414-4120
shirley.harvey@dot.state.fl.us

#	Comment and Responses for D7000025.D01 and D9940033.doc	Submitted	Response	By
1	I don't feel that a type VI sign is necessary. Spec. 994 only mentions type VI as reflective sheeting shall meet ASTM D4956. Therefore, I'm not sure why this is necessary. I'm leery of nonreflective sheeting being used at all.	Grochowski	The reference to ASTM D4956 type VI is for color, daytime luminance and non-reflective property a reflective roll-up sign. Since there are no other standards for non-reflective properties in ASTM, these properties are applicable to make the roll-up sign uniformed to what a motorist is expecting to see.	Lancaster
2	<p>Just a few comments:</p> <p>700-2.5 Second sentence should read: Use fluorescent orange Type VI or VII for all orange work zone signs on interstates. This provides much better clarification.</p> <p>994-3.3 x, y coordinates should match the FHWA and ASTM definitions table should read: Changes are in table 2 and top portion of table 3.</p> <p>Fluorescent 1 2 3 4</p> <p>Yellow Green X .387 .369 .428 .460 Y .610 .546 .496 .540</p> <p>Orange X .583 .535 .595 .645 Y .416 .400 .351 .355</p> <p>Final paragraph: The minimum Y for yellow green is 60 not 35.</p>	Meslow	<p>I agree. ASTM is in the process of finalizing their specification which will be as those listed. Whenever the new ASTM D4956 is printed, then just a reference to the ASTM will be all that is required for the color.</p> <p>Specification updated to include Meslow's comments.</p>	Lancaster
3	The use of mesh signs is outlined in index 600, sheet 4 of 10, Sign materials, restricting them to day time use only. Suggest removing 'for temporary use in only daytime hours' unless the index is going to be changed. The requirements or restriction should be in 1 place only.	Dion	I agree, remove the following language from spec: " <i>Mesh signs for temporary use in only daytime hours shall</i> "	Adams



Shirley Harvey

02/11/2004 10:34 AM

To: Cheryl Adams/CO/FDOT

CC:

Subject: Comments Received for D7000025.D01 - Sign Assembly Design Requirements - Sign Background



D7000025.D01.doc Bob Dion.pdf David Meslo.pdf Paul A. Grochowski.pd Robert Dion.pdf

Please review the attached comments received from Industry Review and respond to each so that we may continue with the process.

Thanks,
shirley harvey
SC 994-4120
(850)414-4120
shirley.harvey@dot.state.fl.us



Florida Department of Transportation

JEB BUSH
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JOSÉ ABREU
SECRETARY

MEMORANDUM

DATE: February 11, 2004

TO: Cheryl Adams, Roadway Design Office

FROM: Clinton J. Shaw, State Specifications Office 

SUBJECT: **Proposed Modifications To Specification: D7000025.D01 – Sign Assembly Design Requirements – Sign Background**

Comments received, regarding the subject modification to the Standard Specifications, are attached. Please review these comments and advise of any further modifications by February 25, 2004. Also, please submit an electronic summary, of your decisions concerning these comment(s) in memorandum format. This summary will be posted on the State Specifications Office Web Page and included in the Specifications folder for future reference, should someone question your response. Your assistance will be appreciated.

Please Email submittals to SP965CS or clinton.shaw@dot.state.fl.us.

CS/sh

Attachment

SIGN ASSEMBLY DESIGN REQUIREMENTS – SIGN BACKGROUND.
(REV ~~10-14-03~~1-9-03)

SUBARTICLE 700-2.5 (Page 731) is expanded by the following:

Mesh signs for temporary use in only daytime hours shall meet the color, daytime luminance and non-reflective property requirements of Section 994 Type VI. Use fluorescent orange color for all mesh signs and all orange work zone signs on interstates.

SUBARTICLE 700-3.8 (Page 732) is deleted and the following substituted:

700-3.8 Process Colors: Use transparent and black opaque process colors meeting the requirements of 994-4 on reflective sheeting *and non-reflective sheeting*.



Duane F Brautigam
01/15/2004 11:11 AM

To: Clinton Shaw/CO/FDOT@FDOT
cc:
Subject: Data posted to form 1 of
<http://www11.myflorida.com/specificationsoffice/IndustryReview.htm>

Duane F. Brautigam, P.E.
State Specifications Engineer
Florida Department of Transportation
(850) 414-4130; SC 994-4130
duane.brautigam@dot.state.fl.us

----- Forwarded by Duane F Brautigam/CO/FDOT on 01/15/2004 11:11 AM -----



<webmaster@dot.state.fl.us>
01/15/2004 11:04 AM

To: <duane.brautigam@dot.state.fl.us>
cc:
Subject: Data posted to form 1 of
<http://www11.myflorida.com/specificationsoffice/IndustryReview.htm>

File: D7000025.D01 - Sign Assembly Design Requirements -
Sign Background
Username: Paul A. Grochowski
UserEmail:
UserTel: (352) 381-4214
UserFAX:
ContactRequested:
Remote Name: 156.75.20.242
Remote User:

Comments:

I don't feel that a type VI sign is necessary. Spec. 994 only mentions type VI as a reflective sheeting shall meet ASTM D4956. Therefore, I'm not sure why this is necessary. I'm leary of nonreflective sheeting being used at all.



Duane F Brautigam
 01/21/2004 06:45 AM

To: Clinton Shaw/CO/FDOT@FDOT
 cc:
 cc:
 Subject: FW: Fw: Internal Review

Duane F. Brautigam, P.E.
 State Specifications Engineer
 Florida Department of Transportation
 (850) 414-4130; SC 994-4130
 duane.brautigam@dot.state.fl.us

----- Forwarded by Duane F Brautigam/CO/FDOT on 01/21/2004 06:45 AM -----



"Bob Burleson"
 <bburleson@ftba.com
 >
 01/19/2004 02:33 PM

To: "Duane Brautigam (E-mail)" <Duane.Brautigam@dot.state.fl.us>
 cc:
 Subject: FW: Fw: Internal Review

-----Original Message-----

From: dkmeslow1@mmm.com [mailto:dkmeslow1@mmm.com]
 Sent: Monday, January 19, 2004 2:13 PM
 To: Bob Burleson
 Subject: Re: Fw: Internal Review

Bob,

Just a few comments:

700-2.5 Second sentence should read: Use fluorescent orange Type VI or VII for all orange work zone signs on interstates. This provides much better clarification.

994-3.3 x, y coordinates should match the FHWA and ASTM definitions table should read: Changes are in table 2 and top portion of table 3.

Fluorescent	1	2	3	4
	Yellow Green			
X	.387	.369	.428	.460
Y	.610	.546	.496	.540
	Orange			
X	.583	.535	.595	.645
Y	.416	.400	.351	.355

Final paragraph: The minimum Y for yellow green is 60 not 35.

Regards,
 Dave

"Bob Burleson"
<bburleson@ftba.com> To: <dkmeslow1@mmm.com>
cc:
Subject: Fw: Internal Review
01/12/2004 11:14 AM

Any problems with the last 2?
Bob

-----Original Message-----

From: clinton.shaw@dot.state.fl.us <clinton.shaw@dot.state.fl.us>
To: Bob Burleson <bburleson@ftba.com>
Sent: Fri Jan 09 14:39:08 2004
Subject: Internal Review <<D5500000.doc>> <<D7000025.D01.doc>>

Good afternoon Bob,

We are finalizi <<D9940033.doc>> ng the workbook for July 2004 implementation. We have a few late spec changes that have to go into the workbook because of implementation commitments. As a result of this we have forsaken the Internal Review portion of the process and are going directly to Industry Review.

This is to avail you the opportunity to get a first look before they are posted for Industry.

(See attached file: D5500000.doc) (See attached file:
D7000025.D01.doc) (See attached file: D9940033.doc)

As usual feel free to give us a call, should you have any issues with which we may be of assistance.

Thanks

Clinton J. Shaw
(850) 414-4129 SC 994-4129
Clinton.Shaw@dot.state.fl.us

(See attached file: D5500000.doc) (See attached file:
D7000025.D01.doc) (See
attached file: D9940033.doc)



D5500000.doc



D7000025.D01.doc



D9940033.doc



Duane F Brautigam
02/04/2004 03:18 PM

To: Clinton Shaw/CO/FDOT@FDOT
cc:
Subject: Data posted to form 1 of
<http://www.dot.state.fl.us/specificationsoffice/IndustryReview.htm>

Duane F. Brautigam, P.E.
State Specifications Engineer
Florida Department of Transportation
(850) 414-4130; SC 994-4130
duane.brautigam@dot.state.fl.us

----- Forwarded by Duane F Brautigam/CO/FDOT on 02/04/2004 03:18 PM -----



<webmaster@dot.state.fl.us>
02/04/2004 03:17 PM

To: <duane.brautigam@dot.state.fl.us>
cc:
Subject: Data posted to form 1 of
<http://www.dot.state.fl.us/specificationsoffice/IndustryReview.htm>

File: D7000025.D01 - Sign Assembly Design Requirements -
Sign Background
Username: Bob Dion
UserEmail: bob_dion@urscorp.com
UserTel: 386-740-0665
UserFAX: 386 740-1275
ContactRequested:
Remote Name: 68.16.163.85
Remote User:

Comments:

The use of mesh signs is outlined in index 600, sheet 4 of 10, Sign materials, restricting them to day time use only. Suggest removing 'for temporary use in only daytime hours' unless the index is going to be changed. the requirments or restriction should be in 1 place only.



Duane F Brautigam
02/05/2004 03:31 PM

To: Clinton Shaw/CO/FDOT@FDOT
cc:
Subject: Data posted to form 1 of
<http://www.dot.state.fl.us/specificationsoffice/IndustryReview.htm>

Duane F. Brautigam, P.E.
State Specifications Engineer
Florida Department of Transportation
(850) 414-4130; SC 994-4130
duane.brautigam@dot.state.fl.us

----- Forwarded by Duane F Brautigam/CO/FDOT on 02/05/2004 03:31 PM -----



<webmaster@dot.state.fl.us>
02/05/2004 03:01 PM

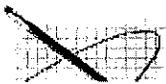
To: <duane.brautigam@dot.state.fl.us>
cc:
Subject: Data posted to form 1 of
<http://www.dot.state.fl.us/specificationsoffice/IndustryReview.htm>

File: D7000025.D01 - Sign Assembly Design Requirements -
Sign Background
Username: Bob Dion
UserEmail: bob_dion@urscorp.com
UserTel: 386-740-0665
UserFAX: 386 740-1275
ContactRequested:
Remote Name: 68.16.163.85
Remote User:

Comments:

recomend that you delete the reference to 'for temporary use in day time hours"

.it is spelled out in index 600 sht 4 of 6,Sign Material, that mesh signs can only be used in daylight hours, don't repeat in 2 places.



Clinton Shaw
01/28/2004 03:08 PM

To: Shirley Harvey/CO/FDOT@FDOT
cc:
Subject: FW: Fw: Internal Review

Clinton J. Shaw
(850) 414-4129 SC 994-4129
Clinton.Shaw@dot.state.fl.us
----- Forwarded by Clinton Shaw/CO/FDOT on 01/28/2004 03:09 PM -----



Duane F Brautigam
01/21/2004 06:45 AM

To: Clinton Shaw/CO/FDOT@FDOT
cc:
Subject: FW: Fw: Internal Review

Duane F. Brautigam, P.E.
State Specifications Engineer
Florida Department of Transportation
(850) 414-4130; SC 994-4130
duane.brautigam@dot.state.fl.us
----- Forwarded by Duane F Brautigam/CO/FDOT on 01/21/2004 06:45 AM -----



"Bob Burleson"
<bburleson@ftba.com
>
01/19/2004 02:33 PM

To: "Duane Brautigam (E-mail)" <Duane.Brautigam@dot.state.fl.us>
cc:
Subject: FW: Fw: Internal Review

-----Original Message-----

From: dkmeslow1@mmm.com [mailto:dkmeslow1@mmm.com]
Sent: Monday, January 19, 2004 2:13 PM
To: Bob Burleson
Subject: Re: Fw: Internal Review

Bob,

Just a few comments:

700-2.5 Second sentence should read: Use fluorescent orange Type VI or VII for all orange work zone signs on interstates. This provides much better clarification.

994-3.3 x, y coordinates should match the FHWA and ASTM definitions table should read: Changes are in table 2 and top portion of table 3.

Fluorescent	1	2	3	4
	Yellow Green			
X	.387	.369	.428	.460
Y	.610	.546	.496	.540

Orange

X .583 .535 .595 .645
Y .416 .400 .351 .355

Final paragraph: The minimum Y for yellow green is 60 not 35.

Regards,
Dave

"Bob Burleson"
<bburleson@ftba.com> To: <dkmeslow1@num.com>
cc:
Subject: Fw: Internal Review
01/12/2004 11:14 AM

Any problems with the last 2?
Bob

-----Original Message-----

From: clinton.shaw@dot.state.fl.us <clinton.shaw@dot.state.fl.us>
To: Bob Burleson <bburleson@ftba.com>
Sent: Fri Jan 09 14:39:08 2004
Subject: Internal Review <<D5500000.doc>> <<D7000025.D01.doc>>

Good afternoon Bob,

We are finalizi <<D9940033.doc>> ng the workbook for July 2004 implementation. We have a few late spec changes that have to go into the workbook because of implementation commitments. As a result of this we have forsaken the Internal Review portion of the process and are going directly to Industry Review.

This is to avail you the opportunity to get a first look before they are posted for Industry.

(See attached file: D5500000.doc) (See attached file: D7000025.D01.doc) (See attached file: D9940033.doc)

As usual feel free to give us a call, should you have any issues with which we may be of assistance.

Thanks

Clinton J. Shaw
(850) 414-4129 SC 994-4129
Clinton.Shaw@dot.state.fl.us

(See attached file: D5500000.doc) (See attached file: D7000025.D01.doc) (See attached file: D9940033.doc)



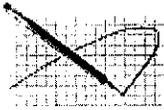
D5500000.doc



D7000025.D01.doc



D9940033.doc



Clinton Shaw
01/13/2004 02:40 PM

To: Shirley Harvey/CO/FDOT@FDOT
CC:
Subject: Data posted to form 1 of
<http://www.dot.state.fl.us/specificationsoffice/IndustryReview.htm>

This has been placed in the Comment folder.

Thanks

Clinton J. Shaw
(850) 414-4129 SC 994-4129
Clinton.Shaw@dot.state.fl.us
----- Forwarded by Clinton Shaw/CO/FDOT on 01/13/2004 02:39 PM -----



Duane F Brautigam
01/13/2004 11:47 AM

To: Clinton Shaw/CO/FDOT@FDOT
CC:
Subject: Data posted to form 1 of
<http://www.dot.state.fl.us/specificationsoffice/IndustryReview.htm>

Duane F. Brautigam, P.E.
State Specifications Engineer
Florida Department of Transportation
(850) 414-4130; SC 994-4130
duane.brautigam@dot.state.fl.us
----- Forwarded by Duane F Brautigam/CO/FDOT on 01/13/2004 11:47 AM -----



<webmaster@dot.state.fl.us>
01/13/2004 10:51 AM

To: <duane.brautigam@dot.state.fl.us>
CC:
Subject: Data posted to form 1 of
<http://www.dot.state.fl.us/specificationsoffice/IndustryReview.htm>

File: D7000025.D01 - Sign Assembly Design Requirements -
Sign Background
Username: Bob Dion
UserEmail: bob_dion@urscorp.com
UserTel: 386-740-0665
UserFAX: 386 740-1275
ContactRequested:
Remote Name: 68.16.163.85
Remote User:

Comments:

700-2.5 recommend deleting 'for temporary use in only daytime hours'.
The use of mesh signs is covered in Index 600, 4 of 10, Sign Material.

Cover the use of mesh signs in 1 place, prefer the Index as it currently
is or in Section 102. If you want to include this, suggest 'refer to
Index 600 for limitations of use'



Duane F Brautigam
02/04/2004 03:18 PM

To: Clinton Shaw/CO/FDOT@FDOT
cc:
Subject: Data posted to form 1 of
<http://www.dot.state.fl.us/specificationsoffice/IndustryReview.htm>

Duane F. Brautigam, P.E.
State Specifications Engineer
Florida Department of Transportation
(850) 414-4130; SC 994-4130
duane.brautigam@dot.state.fl.us

----- Forwarded by Duane F Brautigam/CO/FDOT on 02/04/2004 03:18 PM -----



<webmaster@dot.state.fl.us>
02/04/2004 03:17 PM

To: <duane.brautigam@dot.state.fl.us>
cc:
Subject: Data posted to form 1 of
<http://www.dot.state.fl.us/specificationsoffice/IndustryReview.htm>

File: D7000025.D01 - Sign Assembly Design Requirements -
Sign Background
Username: Bob Dion
UserEmail: bob_dion@urscorp.com
UserTel: 386-740-0665
UserFAX: 386 740-1275
ContactRequested:
Remote Name: 68.16.163.85
Remote User:

Comments:

The use of mesh signs is outlined in index 600, sheet 4 of 10, Sign materials, restricting them to day time use only. Suggest removing 'for temporary use in only daytime hours' unless the index is going to be changed. the requirments or restriction should be in 1 place only.



POSTED 1/12/04
J.A.B.

Florida Department of Transportation

JEB BUSH
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JOSÉ ABREU
SECRETARY

MEMORANDUM

DATE: January 12, 2004

TO: Specification Review Distribution List

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

SUBJECT: Proposed Specifications Change: D7000025.D01 – Sign Assembly Design Requirements – Sign Background

In accordance with Specification Development Procedures, we are sending you a copy of a proposed specification change to Sign Assembly Design Requirements – Sign Background.

This change was proposed by Cheryl Adams of the Roadway Design Office to incorporate requirements for fluorescent orange for work zone signs.

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 9, 2004 may not be considered. Your input is encouraged.

DFB/sh

Attachment

COMMENTS:

Submitted by: _____ Phone #: _____

SIGN ASSEMBLY DESIGN REQUIREMENTS – SIGN BACKGROUND.
(REV 1-6-03)

SUBARTICLE 700-2.5 (Page 731) is expanded by the following:

Mesh signs for temporary use in only daytime hours shall meet the color, daytime luminance and non-reflective property requirements of Section 994 Type VI. Use fluorescent orange color for all mesh signs and all orange work zone signs on interstates.

SUBARTICLE 700-3.8 (Page 732) is deleted and the following substituted:

700-3.8 Process Colors: Use transparent and black opaque process colors meeting the requirements of 994-4 on reflective sheeting *and non-reflective sheeting.*



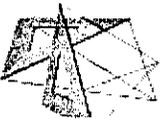
Clinton Shaw
01/06/2004 10:56 AM

To: Shirley Harvey/CO/FDOT@FDOT
cc:
Subject: Re: FOS spec.

Ms. Shirl,
Here is the new version.

Thanks

Clinton J. Shaw
(850) 414-4129 SC 994-4129
Clinton.Shaw@dot.state.fl.us
----- Forwarded by Clinton Shaw/CO/FDOT on 01/06/2004 10:55 AM -----



Philip D Lancaster
01/06/2004 10:45 AM

To: Cheryl Adams/CO/FDOT@FDOT
cc: Clinton Shaw/CO/FDOT@FDOT, David Sadler/CO/FDOT@FDOT, Jim
Mills/CO/FDOT@FDOT
Subject: Re: FOS spec.

Looks good, please proceed. Thanks,

Philip D. Lancaster, P.E
Florida Department of Transportation
Environmental Administrator
State Materials Office
(352)955-6654
Suncom: 625-6654
5007 NE 39th Avenue
Gainesville, Fl 32609
Cheryl Adams



Cheryl Adams
12/29/2003 03:54 PM

To: Philip D Lancaster/SM/FDOT@FDOT
cc: David Sadler/CO/FDOT@FDOT, Clinton Shaw/CO/FDOT@FDOT, Jim
Mills/CO/FDOT@FDOT
Subject: Re: FOS spec.

Please let me know if this is OK to finish processing for July 04 letting.

Thanks

Cheryl Adams
State of Florida
Department of Transportation
605 Suwannee Street (MS 32)
Tallahassee, Florida 32399-0450

Roadway Design - Criteria and Standards Section
Phone (850) 414-4327 or SC 994-4327
cheryl.adams@dot.state.fl.us
RD960CA
----- Forwarded by Cheryl Adams/CO/FDOT on 12/29/2003 03:53 PM -----



Cheryl Adams
12/15/2003 11:54 AM

To: Philip D Lancaster/SM/FDOT@FDOT
cc: David Sadler/CO/FDOT@FDOT, Clinton Shaw/CO/FDOT@FDOT
Subject: Re: FOS spec.

Phillip,

We NEED this spec to be in place for JULY 2004 lettings as committed to by Freddie.

I added the following language to section 700-2.5

"Use fluorescent orange color for all mesh signs and all orange work zone signs on interstates."

With this change, is it OK for Clinton to process? Thanks!



FOS Phillip and Cheryl version.c

NOTE: (for July 2005 lettings we will process another spec change to require FOS for ALL orange work zone signs)

Cheryl Adams
State of Florida
Department of Transportation
605 Suwannee Street (MS 32)
Tallahassee, Florida 32399-0450

Roadway Design - Criteria and Standards Section
Phone (850) 414-4327 or SC 994-4327
cheryl.adams@dot.state.fl.us
RD960CA
Clinton Shaw



Clinton Shaw
12/08/2003 01:33 PM

To: Cheryl Adams/CO/FDOT@FDOT
cc: David Sadler/CO/FDOT@FDOT, Philip D Lancaster/SM/FDOT@FDOT
Subject: Re: FOS spec.

Cheryl,

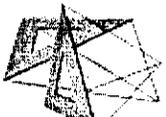
Where are we now with the commitments that have been made upstairs? We are in the final stages of getting the workbook ready and it seems like the final version of this change is still undecided.

Please keep us in the loop.

Thanks

Clinton J. Shaw
(850) 414-4129 SC 994-4129
Clinton.Shaw@dot.state.fl.us

----- Forwarded by Clinton Shaw/CO/FDOT on 12/08/2003 12:30 PM -----



Philip D Lancaster
12/05/2003 04:45 PM

To: David Sadler/CO/FDOT@FDOT, Clinton Shaw/CO/FDOT@FDOT,
Cheryl Adams/CO/FDOT@FDOT
cc: David L Duncan/CO/FDOT@FDOT
Subject: Re: FOS spec.

Thanks for the reminder. There has been some progress with the ASTM spec in November as expected. It is still not approved yet, but, at least I have a better idea where they want to place some of the values for the specs. Attached are the recommended revision to our specifications. Please let me know of any comments. Thank you,



FOS spec revision.doc

Philip D. Lancaster, P.E
Florida Department of Transportation
Environmental Administrator
State Materials Office
(352)955-6654
Suncom: 625-6654
5007 NE 39th Avenue
Gainesville, FL 32609
David Sadler



David Sadler
12/03/2003 07:53 AM

To: Philip D Lancaster/SM/FDOT@FDOT
cc:
Subject: Re: FOS spec.

Philip,

We spoke about this on November 6th and you indicated that it was assigned to one of your staff. Has a decision been reached yet on this? This relates to the spec changes suggested by 3M.

Please let me know if you have any questions.

David A. Sadler, P.E.
Construction Engineer
(850)414-5203, SC 994-5203
Lotus Notes FAX (850)412-8021
Fax Machine (850)414-4874, SC 994-4874
userid: cn982da email: david.sadler@dot.state.fl.us
----- Forwarded by David Sadler/CO/FDOT on 12/03/2003 07:48 AM -----



Clinton Shaw
11/19/2003 09:18 AM

To: Cheryl Adams/CO/FDOT@FDOT
cc: David L Duncan/CO/FDOT@FDOT, David Sadler/CO/FDOT@FDOT
Subject: Re: FOS spec.

No, Nothing yet. All I have is what you submitted back in September.

Thanks

Clinton J. Shaw
(850) 414-4129 SC 994-4129
Clinton.Shaw@dot.state.fl.us
Cheryl Adams



Cheryl Adams

To: Clinton Shaw/CO/FDOT@FDOT
cc: David Sadler/CO/FDOT@FDOT, David L Duncan/CO/FDOT@FDOT



11/19/2003 08:09 AM

Subject: FOS spec.

Has Phillip Lancaster, or someone from his office, submitted a proposed spec change to Section 700-2.5 on Fluorescent Orange sheeting for Interstate and Roll up signs yet?

I just want to make sure it does not fall thru the cracks, because we have an implementation date of July 2004.

Thanks

Cheryl Adams
State of Florida
Department of Transportation
605 Suwannee Street (MS 32)
Tallahassee, Florida 32399-0450

Roadway Design - Criteria and Standards Section
Phone (850) 414-4327 or SC 994-4327
cheryl.adams@dot.state.fl.us
RD960CA

700-2.5, add to end of existing sub-section,

Mesh signs for temporary use in only daytime hours shall meet the color, daytime luminance and non-reflective property requirements of Section 994 Type VI. *Use fluorescent orange color for all mesh signs and all orange work zone signs on interstates.*

700-3.8, add to end of sentence in subsection,
... and non-reflective sheeting.

994-3.3, Revise third and fourth sentences and chart,

In addition to ASTM D4956 Table 103, the orange fluorescent and yellow-green fluorescent colors shall meet the following x, y chromaticity coordinates:

Fluorescent		1	2	3	4
Yellow/Green	x	.387	.368	.421	.460
	y	.610	.539	.486	.540
Orange	x	.583	.535	.595	.645
	y	.416	.446	.351	.355

The daytime luminance for orange and yellow-green fluorescent sheetings shall have a daytime luminance factor of 25 minimum and 35 minimum in addition to ASTM D4956 Table 89, respectively.

SIGN ASSEMBLY DESIGN REQUIREMENTS – SIGN BACKGROUND.
(REV 1-6-03)

SUBARTICLE 700-2.5 (Page 731) is expanded by the follows:

Mesh signs for temporary use in only daytime hours shall meet the color, daytime luminance and non-reflective property requirements of Section 994 Type VI. Use fluorescent orange color for all mesh signs and all orange work zone signs on interstates.

SUBARTICLE 700-3.8 (Page 732) is deleted and the following substituted:

700-3.8 Process Colors: Use transparent and black opaque process colors meeting the requirements of 994-4 on reflective sheeting *and non-reflective sheeting.*



Duane F Brautigam
10/20/2003 03:57 PM

To: Clinton Shaw/CO/FDOT@FDOT, Cheryl Adams/CO/FDOT@FDOT
cc: Shirley Harvey/CO/FDOT@FDOT
Subject: FW: FW: Propose Spec D7000025 - Sign Assembly Design
Requirements - Sign Background

Clinton - Cheryl - I believe this comment is part of the Internal (fatal flaw) Review. It needs to be resolved before we send out for Industry Review.

Thanks - DFB

Duane F. Brautigam, P.E.
State Specifications Engineer
Florida Department of Transportation
(850) 414-4130; SC 994-4130
duane.brautigam@dot.state.fl.us

----- Forwarded by Duane F Brautigam/CO/FDOT on 10/20/2003 03:55 PM -----



"Bob Burleson"
<bburleson@ftba.com>
>
10/20/2003 10:03 AM

To: "Duane Brautigam (E-mail)" <Duane.Brautigam@dot.state.fl.us>
cc:
Subject: FW: FW: Propose Spec D7000025 - Sign Assembly Design
Requirements - Sign Background

-----Original Message-----

From: dkmeslow1@mmm.com [mailto:dkmeslow1@mmm.com]
Sent: Sunday, October 19, 2003 1:02 PM
To: Bob Burleson
Subject: Re: FW: Propose Spec D7000025 - Sign Assembly Design
Requirements - Sign Background

Bob,

This sign background spec needs to be cleaned up as follows:

Meet the requirements of Section 994. Use Type III, (~~IV or V~~)
) sheeting for background sheeting with white legends, borders and shields on all signs, excluding STOP, DO NOT ENTER, and WRONG Way signs. Use Type VII sheeting for STOP, DO NOT ENTER and WRONG WAY signs. Use Type (~~III, IV or~~) VII yellow-green fluorescent sheeting only of S1-1 SCHOOL ADVANCE signs and S2-1 SCHOOL CROSSING signs. Use Type (~~III, IV ,~~) VI (roll up) or Type VII fluorescent orange sheeting only for all work zone roll-up (non mesh) and all orange work zone signs on interstates. Do not mix work zone signs having fluorescent orange sheeting with signs having orange reflective sheeting.

I deleted the following:

Type III is used for all permanent signs except the red series and school zone signs. Type IV and V are roll up signs and are not used for permanent sign applications.

Again, Type VII fluorescent yellow green is the only product that shall be used for school zone signs. There are no fluorescent yellow green Type III or VI products manufactured or listed on the qpl.

Use Type IV (roll up) or Type VII fluorescent orange sheeting. Type III and IV and not fluorescent orange products and should be deleted.

These suggestions should be correct and do not favor 3M or eliminate any of our competitors.

Regards,
Dave

Type

<p>"Bob Burleson" <bburleson@ftba.co (E-mail)" <nrose@aol.com> <dkmeslow1@mmm.com> <tparker@oglesby-fl.com> <AndyP@highwaysafetydevices.com></p>	<p>10/15/2003 12:13 PM</p>	<p>To: "Neil Rose "Dave Meslow (E-mail)" "Tim Parker (E-mail)" "Andy Price (E-mail)"</p>
		<p>cc: Subject: FW: Propose Background</p>

Spec D7000025 - Sign Assembly Design Requirements - Sign Background

Any comments?

-----Original Message-----
From: shirley.harvey@dot.state.fl.us
[mailto:shirley.harvey@dot.state.fl.us]
Sent: Wednesday, October 15, 2003 11:33 AM
To: Bob Burleson; david.sadler@dot.state.fl.us;
brian.blanchard@dot.state.fl.us; william.nickas@dot.state.fl.us;
bruce.dietrich@dot.state.fl.us; phillipgreg.davis@dot.state.fl.us;
clay.mcgonagill@dot.state.fl.us
Cc: cheryl.adams@dot.state.fl.us
Subject: Propose Spec D7000025 - Sign Assembly Design Requirements -
Sign Background

(See attached file: D7000025.doc)

Please review the attached draft specification and return your comments as soon as possible so that we may continue with the review process.

Thanks,
shirley harvey

SC 994-4120
(850)414-4120
shirley.harvey@dot.state.fl.us

<< Attachment D7000025.doc removed by David K. Meslow >>



Shirley Harvey

10/15/2003 11:32 AM

To: bburleson@ftba.com, David Sadler/CO/FDOT, Brian A
Blanchard/CO/FDOT, William N Nickas/CO/FDOT, Bruce
Dietrich/CO/FDOT, Phillip G Davis/CO/FDOT, Clay
McGonagill/CO/FDOT
cc: Cheryl Adams/CO/FDOT@FDOT
Subject: Propose Spec D7000025 - Sign Assembly Design Requirements - Sign
Background



D7000025.doc

Please review the attached draft specification and return your comments as soon as possible so that we may continue with the review process.

Thanks,
shirley harvey
SC 994-4120
(850)414-4120
shirley.harvey@dot.state.fl.us



Florida Department of Transportation

JEB BUSH
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JOSE ABREU
SECRETARY

MEMORANDUM

DATE: October 15, 2003

TO: Bob Burleson, FTBA, David Sadler, State Construction Office, Brian Blanchard, State Roadway Design Office, William N. Nickas, State Structures Design Office, Bruce Dietrich, State Pavement Management Office, Greg Davis, State Estimates Office, Clay McGonagill, General Counsel's Office

FROM: Clinton J. Shaw, State Specifications Office 

SUBJECT: Proposed Specification: D7000025 – Sign Assembly Design Requirements – Sign Background

Attached for your review and comments is a copy of the subject Special Provision for Sign Assembly Design Requirements – Sign Background.

This change was proposed by Cheryl Adams to incorporate requirements for fluorescent orange for work zone signs.

Please review and offer your comments.

CS/sh
Attachment

**SIGN ASSEMBLY DESIGN REQUIREMENTS – SIGN
BACKGROUND.
(REV 10-14-03)**

SUBARTICLE 700-2.5 (Page 731) is deleted and the following substituted:

700-2.5 Sign Background: Meet the requirements of Section 994. Use Type III, IV or V sheeting for background sheeting, white legends, borders and shields on all signs, excluding STOP, DO NOT ENTER, and WRONG WAY. Use Type VII sheeting for STOP, DO NOT ENTER and WRONG WAY signs. Use Type III, IV, V or VII yellow-green fluorescent sheeting only for S1-1 school advance signs and S2-1 school crossing signs. *Use Type III, IV, V or VII fluorescent sheeting only for all orange work zone roll-up signs (non-mesh) and all orange work zone signs on interstates. Use fluorescent orange color for all mesh signs.* Do not mix work zone signs having fluorescent orange sheeting with signs having orange reflective sheeting.



Cheryl Adams

10/14/2003 05:18 PM

To: Shirley Harvey/CO/FDOT@FDOT
cc:
Subject: Re: Proposed Spec D7000025 - Sign Assembly Design Requirements - Sign Background 

Looks ok to me.

Cheryl Adams
State of Florida
Department of Transportation
605 Suwannee Street (MS 32)
Tallahassee, Florida 32399-0450

Roadway Design - Criteria and Standards Section
Phone (850) 414-4327 or SC 994-4327
cheryl.adams@dot.state.fl.us
RD960CA
Shirley Harvey



Shirley Harvey

10/14/2003 03:35 PM

To: Cheryl Adams/CO/FDOT@FDOT
cc:
Subject: Proposed Spec D7000025 - Sign Assembly Design Requirements - Sign Background



D7000025.doc

Please review the attached draft specification.

If you have any questions please call.

Thanks,
shirley harvey
SC 994-4120
(850)414-4120
shirley.harvey@dot.state.fl.us



Shirley Harvey

10/14/2003 03:35 PM

To: Cheryl Adams/CO/FDOT@FDOT

cc:

Subject: Proposed Spec D7000025 - Sign Assembly Design Requirements -
Sign Background



D7000025.doc

Please review the attached draft specification.

If you have any questions please call.

Thanks,
shirley harvey
SC 994-4120
(850)414-4120
shirley.harvey@dot.state.fl.us



Florida Department of Transportation

JEB BUSH
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JOSÉ ABREU
SECRETARY

MEMORANDUM

DATE: October 14, 2003

TO: Cheryl Adams, Roadway Design

FROM: Clinton J. Shaw, State Specifications Office 

SUBJECT: **Proposed Specification: D7000025 – Sign Assembly Design Requirements – Sign Background**

Your proposed specification has been formatted and entered for processing. As the originator for this specification, please review the formatted draft and make any necessary changes.

Additionally, please verify the condition under which this specification is to be used (see usage note under specification number).

If you have any questions, please contact Clinton Shaw at (850) 414-4129 or Suncom 994-4129. Your response within two weeks will be appreciated, as further processing is dependent upon your response. We will continue to update you as we process this request for implementation.

CS/sh
Attachment

**SIGN ASSEMBLY DESIGN REQUIREMENTS – SIGN
BACKGROUND.
(REV 10-14-03)**

SUBARTICLE 700-2.5 (Page 731) is deleted and the following substituted:

700-2.5 Sign Background: Meet the requirements of Section 994. Use Type III, IV or V sheeting for background sheeting, white legends, borders and shields on all signs, excluding STOP, DO NOT ENTER, and WRONG WAY. Use Type VII sheeting for STOP, DO NOT ENTER and WRONG WAY signs. Use Type III, IV, V or VII yellow-green fluorescent sheeting only for S1-1 school advance signs and S2-1 school crossing signs. *Use Type III, IV, V or VII fluorescent sheeting only for all orange work zone roll-up signs (non-mesh) and all orange work zone signs on interstates. Use fluorescent orange color for all mesh signs.* Do not mix work zone signs having fluorescent orange sheeting with signs having orange reflective sheeting.

SPECIFICATION PROCESSING AND STATUS FORM

Begin date: October 13, 2003

File Number: D7000025

Projected completion date: January 12, 2004.

Implementation team member: Shirley Harvey

Schedule of activities: Internal, Industry and FHWA reviews.

Resource needs: None identified at this time.

Implementation schedule: Beginning with the July 2004 letting.

Proposed solution: Incorporate requirements for fluorescent orange for work zone signs.

Recommended Usage Note: All Jobs

Progress report: What is the current status of the issue? Detail problems encountered, that hinders the process.

700-2.5 Sign Background: Meet the requirements of Section 994. Use Type III, IV or V sheeting for background sheeting, white legends, borders and shields on all signs, excluding STOP, DO NOT ENTER, and WRONG WAY. Use Type VII sheeting for STOP, DO NOT ENTER and WRONG WAY signs. Use Type III, IV, V or VII yellow-green fluorescent sheeting only for S1-1 school advance signs and S2-1 school crossing signs. *Use Type III, IV, V or VII fluorescent sheeting only for all orange work zone roll-up signs (non-mesh) and all orange work zone signs on interstates. Use fluorescent orange color for all mesh signs.* Do not mix work zone signs having fluorescent orange sheeting with signs having orange reflective sheeting.