

WORKBOOK CHANGE(S)

Add: 948004455
Rev Date 11-12-03
F.A. Date 2-4-04
Letting Date 7-04

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

Remarks New SS.

Dates

QP Section
*Copy of Spec to _____ that Impacts
QPL (ONLY) _____
Added to Nextwb file 2-4-04
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Additional back-up see _____

Route Slip

U.S. Department of Transportation
Federal Highway Administration
Florida Division
227 N. Bronough Street, Room 2015
Tallahassee, FL 32301

Distribution:

FDOT MS-75

RECEIVED

FEB - 4 2004

SPECIFICATIONS

To:	Organization:	Date:	Routing Symbol:
MR. DUANE BRAUTIGAM	FDOT, SPECIFICATIONS ENGINEER	Feb. 04, 2004	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:

D0020000 - Supplemental Specification for Proposal Requirements and Conditions, Section 2.

D0070001.D02, for Laws to be Observed, Section 7.

D0080D16.D01, for "Bonus" Payment and Waiver of Contractor Claims, Section 8.

D3500000.D04, for Cement Concrete Pavement, Section 350.

D3520000.D03, for Grinding Concrete Pavement, Section 352.

D3530000.D03, for Concrete Pavement Slab Replacement, Section 353.

D9480044, for Pipe Liner-Machine Spiral Wound Pipe Liner, Section 948.

ATTACHMENTS

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

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

January 14, 2004

Mr. Donald Davis
Program Operations Engineer
Federal Highway Administration
227 N. Bronough Street, Suite 2015
Tallahassee, Florida 32301

Re: Office of Design, Specifications
Section 948
Proposed Specification: D9480044

Dear Mr. Davis:

We are submitting, for your approval, two copies of a proposed Supplemental Specification for Pipe Liner-Machine Spiral Wound Pipe Liner.

This change was proposed by Linda Seigle of the State Drainage Office to add information on machine spiral wound pipe liner.

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,

Signature on file

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

DFB/jf

Attachment

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

**PIPE LINER-MACHINE SPIRAL WOUND PIPE LINER.
(REV 11-12-03)**

SUBARTICLE 948-4.4 (Page 861) is expanded by the following:

948-4.4.1 Machine Spiral Wound Pipe Liner: Machine spiral wound pipe liner shall consist of a continuous one piece profile strip wound directly into the deteriorated pipelines. The liner can be installed in close fit to the host pipe, or alternatively installed at a fixed diameter. Where the liner is installed at a fixed diameter, the annular space between the spiral wound liner pipe and the existing pipe is grouted.

(1) Polyvinyl Chloride: Polyvinyl chloride machine spiral wound pipe liner shall meet the requirements of ASTM F 1697 and shall have a minimum cell classification of 13354.

Formatted: Body Text, Line spacing: single

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APPROVED:  DATE: 02-04-04
For the Division Administrator



Judy F Frazier

01/14/2004 03:22 PM

To: donald.davis@fhwa.dot.gov,
cc: ann.allhouse@fhwa.dot.gov, bburleson@ftba.com, Ananth Prasad/CO/FDOT, Clay McGonagill/CO/FDOT, Linda L Seigle/CO/FDOT,

cc:

Subject: D9480044

Please review the attached draft specification and return your comment/approval within two weeks. Thank you.



D9480044.doc

Judy Frazier
(850) 414-4127, SC 994-4127
judy.frazier@dot.state.fl.us



Florida Department of Transportation

JEB BUSH
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JOSÉ ABREU
SECRETARY

January 14, 2004

Mr. Donald Davis
Program Operations Engineer
Federal Highway Administration
227 N. Bronough Street, Suite 2015
Tallahassee, Florida 32301

Re: Office of Design, Specifications
Section 948
Proposed Specification: D9480044

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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, appearing to read "Duane F. Brautigam".

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

DFB/jf

Attachment

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

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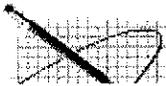
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Linda L Seigle

01/14/2004 02:26 PM

To: Judy F Frazier/CO/FDOT@FDOT
cc: Clinton Shaw/CO/FDOT@FDOT
Subject: Re: D9480044 

The attachment has my response to the comments on this spec. Please let me know if you need more information.



D9480044 response.doc

Thanks -

Linda L. Seigle, P.E., FDOT, CO Drainage
605 Suwannee Street, MS 32
Tallahassee, FL 32399-0450
Phone (850) 414-4322, SC 994-4322
FAX (850)414-5261, SC 994-5261
linda.seigle@dot.state.fl.us
Judy F Frazier



Judy F Frazier

01/06/2004 09:46 AM

To: Linda L Seigle/CO/FDOT@FDOT
cc:
Subject: D9480044

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



D9480044.doc

Judy Frazier
(850) 414-4127, SC 994-4127
judy.frazier@dot.state.fl.us



Florida Department of Transportation

JEB BUSH
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JOSÉ ABREU
SECRETARY

MEMORANDUM

DATE: January 6, 2004
TO: Linda Seigle
FROM: Clinton J. Shaw, State Specifications Office
SUBJECT: Proposed Modifications To Specification: D9480044

Comments received, regarding the subject modification to the Standard Specifications, are attached. Please review these comments and advise of any further modifications by January 15, 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/jf

Attachment

**PIPE LINER-MACHINE SPIRAL WOUND PIPE LINER.
(REV 11-12-03)**

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File: D9480044 - Pipe Liner-Machine Spiral Wound Pipe
Liner
Username: Bob Dion
UserEmail: bob_dion@urscorp.com
UserTel: 386 740-0731
UserFAX:
ContactRequested:
Remote Name: 68.16.163.82
Remote User:

Comments:

suggest you be more specific about the '.. can be installed in
close fit
to..' mentioned in the 2nd sentence.
Is a 1/4" space a close fit? it seems up to interputation. Also,
if there
is a space in a close fit, how should it be filled?

A close fit is inherent to the installation method since the machine uses the pipe to wind the lining. The choice of the type of pipe rehab specified should be based on a close inspection of the line to be repaired. If the designer does not feel that a "close fit" can be obtained or if he feels that the pipe cannot provide the structural support needed for this type lining, he can use another type of liner.

File: D9480044 - Pipe Liner-Machine Spiral Wound Pipe
Liner
Username: Gerald Avery
UserEmail: gerald.avery@dot.state.fl.us
UserTel: 813. 744-6070
UserFAX: 813. 744-6069
ContactRequested:
Remote Name: 156.75.109.104
Remote User:

Comments:

I don't know if anyone has proposed using them, but there are other types of pipe liners on the market. I do not know the name of the company but there is one type of heavy duty plastic liner that starts out smaller than the inside diameter of the pipe, is inserted the full length of the run, and then steam pressure is applied to heat and expand the liner material and permanently bond it to the existing pipe.

There are many types of pipe liners and other pipe rehab techniques available. The type of liner/rehab should be chosen based on the condition of the pipe, the type of damage to the pipe, whether there is enough room for the equipment needed for a particular type of rehab, and many other factors. The fact that FDOT does not have a Standard Specification for a specific type of liner does not mean that the District cannot use the best rehab method for their specific conditions.

File: D9480044 - Pipe Liner-Machine Spiral Wound Pipe
Liner
Username: Robert Robertson
UserEmail: robert.robertson2@dot.state.fl.us
UserTel: sc 994-4267
UserFAX:
ContactRequested:
Remote Name: 156.75.177.162
Remote User:

Comments:

Section 455-11.8 Previously the buildup was paid for concrete and steel and extra pile length. The pile length was for the extra effort required to form this small quantity. In the new version the steel and concrete are included in the cost but the extra pile length was not modified. This essentially reduces the amount of payment. Issue with contractors???

Comments do not apply to pipe liner



Judy F Frazier

01/06/2004 09:45 AM

To: Linda L Seigle/CO/FDOT,
cc:
cc:
Subject: D9480044

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



D9480044.doc

Judy Frazier
(850) 414-4127, SC 994-4127
judy.frazier@dot.state.fl.us



Florida Department of Transportation

JEB BUSH
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JOSÉ ABREU
SECRETARY

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CS/jf

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UserFAX:
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Comments:

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POSTED 11/24/03
JAB

Florida Department of Transportation

JEB BUSH
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JOSÉ ABREU
SECRETARY

MEMORANDUM

DATE: November 24 2003
TO: Specification Review Distribution List
FROM: Duane F. Brautigam, P.E., State Specifications Engineer
SUBJECT: **Proposed Specifications Change: D9480044 - Pipe Liner-
Machine Spiral Wound Pipe Liner**

In accordance with Specification Development Procedures, we are sending you a copy of a proposed specification change to Section 948.

This change was proposed by Linda Seigle of the State Drainage Office to add information on machine spiral wound pipe liner.

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 December 22, 2003 may not be considered. Your input is encouraged.

DFB/jf

Attachment

COMMENTS:

Submitted by:

Phone #:

**PIPE LINER-MACHINE SPIRAL WOUND PIPE LINER.
(REV 11-12-03)**

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David Sadler

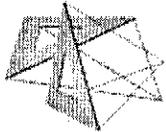
11/17/2003 12:06 PM

To: Judy F Frazier/CO/FDOT@FDOT
cc:
Subject: Re: D9480044 

Looks good to me.

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
Judy F Frazier



Judy F Frazier

11/14/2003 01:50 PM

To: bburleson@ftba.com, David Sadler/CO/FDOT@FDOT, Brian A
Blanchard/CO/FDOT@FDOT, William N Nickas/CO/FDOT@FDOT,
Bruce Dietrich/CO/FDOT@FDOT, Phillip G Davis/CO/FDOT@FDOT
cc: Linda L Seigle/CO/FDOT@FDOT
Subject: D9480044

Please review the attached draft specification and return your comments by November 21st.
Thank you.



D9480044.doc

Judy Frazier
(850) 414-4127, SC 994-4127
judy.frazier@dot.state.fl.us



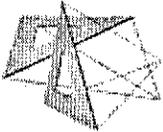
Phillip G Davis
11/14/2003 02:08 PM

To: Judy F Frazier/CO/FDOT@FDOT
cc:
Subject: Re: D9480044 

No comments.....Greg

Phillip "Greg" Davis, P.E.
State Estimates Engineer
Florida Department of Transportation
Email: phillipgreg.davis@dot.state.fl.us
Office: 850.414.4170 suncom 994.4170
FAX: 850.412.8039 suncom 277.4584
Mobile Phone: 850.544.2324

Judy F Frazier



Judy F Frazier
11/14/2003 01:50 PM

To: bburleson@ftba.com, David Sadler/CO/FDOT@FDOT, Brian A
Blanchard/CO/FDOT@FDOT, William N Nickas/CO/FDOT@FDOT,
Bruce Dietrich/CO/FDOT@FDOT, Phillip G Davis/CO/FDOT@FDOT
cc: Linda L Seigle/CO/FDOT@FDOT
Subject: D9480044

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Thank you.



D9480044.doc

Judy Frazier
(850) 414-4127, SC 994-4127
judy.frazier@dot.state.fl.us



Judy F Frazier

11/14/2003 01:47 PM

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,
cc: Linda L Seigle/CO/FDOT,
cc:
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D9480044.doc

Judy Frazier
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judy.frazier@dot.state.fl.us



Florida Department of Transportation

JEB BUSH
GOVERNOR

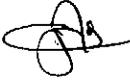
605 Suwannee Street
Tallahassee, FL 32399-0450

JOSE ABREU
SECRETARY

MEMORANDUM

DATE: November 14, 2003

TO: Bob Burlison, 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

FROM: Clinton J. Shaw, State Specifications Office 

SUBJECT: Proposed Specification: D9480044

Attached for your review and comments is a copy of the subject Special Provision for Pipe Liner-Machine Spiral Wound Pipe Liner.

This change was proposed by Linda Seigle to add information on machine wound pipe liner.

Please review and offer your comments.

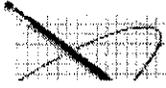
CS/jf
Attachment

**PIPE LINER-MACHINE SPIRAL WOUND PIPE LINER.
(REV 11-12-03)**

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(1) Polyvinyl Chloride: Polyvinyl chloride machine spiral wound pipe liner shall meet the requirements of ASTM F 1697 and shall have a minimum cell classification of 13354.



Linda L Seigle

11/13/2003 04:27 PM

To: Judy F Frazier/CO/FDOT@FDOT
cc: Clinton Shaw/CO/FDOT@FDOT
Subject: Re: Draft Specification 

The draft matches the requested language. Please continue with the process.

Thanks -

Linda L. Seigle, P.E., FDOT, CO Drainage
605 Suwannee Street, MS 32
Tallahassee, FL 32399-0450
Phone (850) 414-4322, SC 994-4322
FAX (850)414-5261, SC 994-5261
linda.seigle@dot.state.fl.us
Judy F Frazier



Judy F Frazier

11/13/2003 10:18 AM

To: Linda L Seigle/CO/FDOT@FDOT
cc:
Subject: Draft Specification

Linda, please review the attached draft specification. If it looks okay to you we will continue with the review process. Thanks.



D9480044.doc

Judy Frazier
(850) 414-4127, SC 994-4127
judy.frazier@dot.state.fl.us



Judy F Frazier

11/13/2003 10:13 AM

To: Linda L Seigle/CO/FDOT,
cc:
cc:
Subject: Draft Specification

Linda, please review the attached draft specification. If it looks okay to you we will continue with the review process. Thanks.



D9480044.doc

Judy Frazier
(850) 414-4127, SC 994-4127
judy.frazier@dot.state.fl.us



Florida Department of Transportation

JEB BUSH
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JOSÉ ABREU
SECRETARY

MEMORANDUM

DATE: November 13, 2003

TO: Linda Seigle

FROM: Clinton J. Shaw, State Specifications Office

SUBJECT: **Proposed Specification: D9480044 - Pipe Liner-Machine Spiral Wound Pipe Liner**

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/jf
Attachment

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(REV 11-12-03)**

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SPECIFICATION PROCESSING AND STATUS FORM

Begin date: November 12, 2003

File Number: D9480044

Projected completion date: February 11, 2004

Implementation team member: Judy Frazier

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: Insert Machine Spiral Wound requirements as an alternative method for Spiral Wound Pipe Liner.

Recommended Usage Note:

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

Proposed Language

948-4.84.1 Machine Spiral Wound Pipe Liner: Machine spiral wound pipe liner shall consist of a continuous one piece profile strip wound directly into the deteriorated pipelines. The liner can be installed in close fit to the host pipe, or alternatively installed at a fixed diameter. Where the liner is installed at a fixed diameter the annular space between the spiral wound liner pipe and the existing pipe is grouted.

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