

Origination Form

Specifications

Name:	Tim Holley	Specification Number:	948-9
Email:	tim.holley@dot.state.fl.us	Associated Specs:	N/A
Date:	2024-06-28T16:01:02Z	Verified:	VERIFIED

Summary:

Clarifying the Specification to provide a structural liner that does not depend on strength contribution from the host pipe. Requiring submittal of laboratory testing. Adding ASTM for UV Cured in Place Pipe liner.

Justification:

In coordination with industry and to clarify policy.

Do the changes affect other types of specifications?

Neither

List Specifications Affected:

Other Affected Documents/Offices	Contacted	Yes/No
Other Standard Plans		No
Florida Design Manual		No
Structures Manual		No
Basis of Estimates Manual		No
Approved Product List	Karen Byram/ Missy Hollis	Yes
Construction Office		No
Maintenance Office		No
Materials Manual		No
Traffic Engineering Manual		No

Are changes in line with promoting and making progress on improving safety, enhancing mobility, inspiring innovation, and fostering talent; explain how?

Will ensure that the design reflects a structural liner that will protect the integrity of the drainage system.

What financial impact does the change have; project costs, pay item structure, or consultant fees?

None identified.

What impact does the change have on production or construction schedules?

Should not impact production or construction schedules.

How does this change improve efficiency or quality?

Should improve quality by ensuring a liner with adequate structural capacity is installed.

Which FDOT offices does the change impact?

Construction, Materials, Drainage.

What is the impact to districts with this change?

Clarifies requirements for submittals.

Does the change shift risk and to who?

No.

Provide summary and resolution of any outstanding comments from the districts or industry.

Comments and Responses are available on the Track the Status of Revisions hyperlink located on the Specifications landing page: <https://www.fdot.gov/programmanagement/Specs.shtm>

What is the communication plan?

Through the established specification revision process (e.g., Internal and Industry Review)

What is the schedule for implementation?

The Standard Specifications eBook and Workbook are effective July 1st every year.

**OPTIONAL DRAINAGE PRODUCTS AND REPAIR SYSTEMS
(REV 6-28-24)**

SUBARTICLE 948-9.1 is deleted and the following substituted:

948-9 Repair Systems for Rehabilitation of Pipe and Other Drainage Structures.

948-9.1 General: Repair systems shall have at least the minimum stiffness required for the intended application in accordance with the AASHTO LRFD Bridge Design Specifications. Assume a fully deteriorated condition with no structural strength from the host pipe for calculations. Submit calculations, product data sheet, manufacturer's installation instructions, and documentation from independent laboratory testing showing that the repair system meets the requirements of this Section.

SUBARTICLE 948-9.2.1 is deleted and the following substituted:

948-9.2.1 Polyethylene: Folded polyethylene liner shall meet the requirements of ASTM F 2718 or ASTM F714 with a minimum cell classification of 335420 and between 2% to 4% carbon black.

SUBARTICLE 948-9.2.3 is deleted and the following substituted:

948-9.2.3 Cured-In-Place: Folded resin impregnated flexible tubing shall meet the requirements of ASTM F1216 and ASTM D5813 or ASTM F 2019.