



Florida Department of Transportation

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GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

KEVIN J. THIBAUT, P.E.
SECRETARY

July 12, 2019

Khoa Nguyen
Director, Office of Technical Services
Federal Highway Administration
3500 Financial Plaza, Suite 400
Tallahassee, Florida 32312

Re: State Specifications Office
Section:
Proposed Specification: **9480907 Optional Drainage Products and Liner Repair Systems.**

Dear Mr. Nguyen:

We are submitting, for your approval, two copies of the above referenced Supplemental Specification.

The changes are proposed by Chase Knight of the State Materials Office (SMO) to modify the language.

Please review and transmit your comments, if any, within two weeks. Comments should be sent via email to stefanie.maxwell@dot.state.fl.us.

If you have any questions relating to this specification change, please call me at 414-4140.

Sincerely,

Signature on file

Stefanie D. Maxwell, P.E.
Manager, Program Management Office

SM/dt

Attachment

cc: Florida Transportation Builders' Assoc.
State Construction Engineer

OPTIONAL DRAINAGE PRODUCTS AND LINER REPAIR SYSTEMS.**(REV 5-14-19)**

SUBARICLE 948-9.7 is deleted and the following substituted:

948-9.7 CoatingSpray Applied Pipe Liner: CoatingSpray applied pipe liners consist of liquid, slurry, foam or gel that is ~~spread or~~ sprayed over the interior surface of an existing structure to rehabilitate it, with or without fiber reinforcement. CoatingSpray applied pipe liner installers shall submit to the Department proof of experience for on-site supervision and previously completed contracts including the following:

1. Project name and location
2. Names of contracting parties
3. Owner's names
4. A brief description of the work
5. Dates of completion of coatingspray applied pipe liner work

Materials that may be used for coatingspray applied pipe lining are:

1. Hydrophilic urethane-based foams or gels which shall meet the requirements of ASTM F2414.
2. Epoxy resins and unsaturated styrene-based resins which shall meet the resin material requirements of ASTM F1216.
3. Cementitious materials, as recommended by the manufacturer, including: annular backfill, low density cellular concrete, shotcrete, gunite, centrifugally cast, and pre-packaged grout.

4. High-strength, low-porosity geopolymer materials, as recommended by the manufacturer.

OPTIONAL DRAINAGE PRODUCTS AND LINER REPAIR SYSTEMS.**(REV 5-14-19)**

SUBARICLE 948-9.7 is deleted and the following substituted:

948-9.7 Spray Applied Liner: Spray applied liners consist of liquid, slurry, foam or gel that is sprayed over the interior surface of an existing structure to rehabilitate it, with or without fiber reinforcement. Spray applied liner installers shall submit to the Department proof of experience for on-site supervision and previously completed contracts including the following:

1. Project name and location
2. Names of contracting parties
3. Owner's names
4. A brief description of the work
5. Dates of completion of spray applied liner work

Materials that may be used for spray applied lining are:

1. Hydrophilic urethane-based foams or gels which shall meet the requirements of ASTM F2414.
2. Epoxy resins and unsaturated styrene-based resins which shall meet the resin material requirements of ASTM F1216.
3. Cementitious materials, as recommended by the manufacturer, including: annular backfill, low density cellular concrete, shotcrete, gunite, centrifugally cast, and pre-packaged grout.
4. High-strength, low-porosity geopolymer materials, as recommended by the manufacturer.