

ORIGINATION FORM

Proposed Revisions to the Specifications

(Please provide all information - incomplete forms will be returned)

Date:

Office:

Originator:

Specification Section:

Telephone:

Article/Subarticle:

email:

Associated Section(s) Revisions:

Will the proposed revision require changes to:

Publication	Yes	No	Office Staff Contacted
Standard Plans Index			
Traffic Engineering Manual			
FDOT Design Manual			
Construction Project Administration Manual			
Basis of Estimate/Pay Items			
Structures Design Guidelines			
Approved Product List			
Materials Manual			

Will this revision necessitate any of the following:

Design Bulletin

Construction Bulletin

Estimates Bulletin

Materials Bulletin

Are all references to external publications current?

Yes

No

If not, what references need to be updated? (Please include changes in the redline document.)

Why does the existing language need to be changed?

Summary of the changes:

Are these changes applicable to all Department jobs?

Yes

No

If not, what are the restrictions?

Contact the State Specifications Office for assistance in completing this form.

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SECRETARY

M E M O R A N D U M

DATE: June 3, 2021
TO: Specification Review Distribution List
FROM: Daniel Strickland, P.E., State Specifications Engineer
SUBJECT: Proposed Specification: **4130304 Sealing Cracks and Concrete Structure Surfaces.**

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

This change was proposed by Guangming Wang from the State Materials Office to provide the services of an independent enterprise with prior experience on roadway friction testing with the equipment described to perform the friction test.

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 online at <http://fdotewp1.dot.state.fl.us/programmanagement/development/industryreview.aspx> . Comments received after **July 1, 2021**, may not be considered. Your input is encouraged.

DS/ra

Attachment

**SEALING CRACKS AND CONCRETE STRUCTURE SURFACES
(REV 5-13-21)**

SUBARTICLE 413-3.4.6 is deleted and the following substituted:

413-3.4.6 Sand Distribution: Apply sand over the monomer treated area within a timely period following the application of the polymer based on the manufacturer's recommendations for the existing conditions. Use equipment that will produce a uniform distribution of the sand over the treated area. If wheel mounted, use a sand spreader that has pneumatic tires compatible with the treatment material such that no tire footprints are left on the deck surface.

Use an initial application rate of 0.6 (plus or minus 0.05) pounds of sand per square yard of treated area, and adjust the rate as necessary to produce a friction number (FN) of no less than FN40R greater than or equal to 35 at 7 days. ~~Coordinate with the Engineer to conduct a preliminary on-site friction test to determine the actual sand application rate prior to the beginning of production application.~~ If friction numbers below those specified are obtained, completely remove all loose sand from the surface and re-apply the polymer at a rate of 150 square feet per gallon and spread additional sand as necessary to achieve the specified friction numbers. Remove the surface material by grinding, shot blasting, or other approved method if satisfactory friction values are not achieved. Friction tests ~~must~~will be conducted in accordance with AASHTO T242, using the ribbed tire option. ~~by the State Materials Office~~Secure the services of an independent enterprise with prior experience on roadway friction testing with the equipment described to perform the friction tests.