



Florida Department of Transportation

RICK SCOTT
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

ANANTH PRASAD, P.E.
SECRETARY

April 23, 2013

Monica Gourdine
Program Operations Engineer
Federal Highway Administration
545 John Knox Road, Suite 200
Tallahassee, Florida 32303

Re: Office of Design, Specifications
Section **413**
Proposed Specification: **4130100 Sealing Cracks and Concrete Structure Surfaces.**

Dear Ms. Gourdine:

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

These changes were proposed by Karen Byram of the Product Evaluation Section in the State Specifications and Estimates Office to correct a typographical error and for formatting.

Please review and transmit your comments, if any, within two weeks. Comments should be sent via email to SP965TT or trey.tillander@dot.state.fl.us.

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

Sincerely,

Signature on file

V. Y. "Trey" Tillander, III, P.E.
Manager State Specifications and Estimates Office

TT/dt

Attachment

cc: Florida Transportation Builders' Assoc.
State Construction Engineer

SEALING CRACKS AND CONCRETE STRUCTURE SURFACES.**(REV 3-8-13)**

ARTICLE 413-1 (Page 414) is deleted and the following substituted:

413-1 Description.

Seal concrete surfaces and cracks in concrete using materials, surface preparation, and application of penetrant sealers and high molecular weight ~~methacrylate~~*methacrylates* as specified in this Section and in accordance with the manufacturer recommendations. Consult with the FDOT State Materials Office in the event of conflict between the manufacturer's recommendations and this specification. Perform surface preparation and application to all areas as shown in the Plans or as directed by the Engineer.

ARTICLE 413-4 (Page 420) is deleted and the following substituted:

413-4 Method of Measurement.

Prestressed, precast items designated in the Plans to be sealed with penetrant sealer, will not be measured for separate payment. The Contractor shall include the cost of cleaning, sealing, and applying penetrant sealer with the cost of the prestressed, precast items. For cast-in-place surfaces to be sealed with penetrant sealer, the quantities to be paid for will be (1) the volume, in gallons, of penetrant sealer as determined by use of the field measured area satisfactorily sealed divided by the approved application rate based on field trials, and (2) the area, in square feet, of cleaning and sealing concrete surfaces as determined by field measurement, completed and accepted.

Quantities of high molecular weight methacrylate to be paid will be based on the volume in gallons of monomer resin material (not including the promoter and initiator) actually used to seal the cracked surfaces at the approved application rate, and the dimensions of the treated areas in square feet.

The area of application will be computed based on the ~~Plan~~*plan* dimensions of concrete surface sealed with methacrylate. For localized application, the Engineer will determine the method of measurement that most accurately reflects the area of application in square feet.

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The area of application will be computed based on the plan dimensions of concrete surface sealed with methacrylate. For localized application, the Engineer will determine the method of measurement that most accurately reflects the area of application in square feet.