413   SEALING CRACKS AND CONCRETE STRUCTURE SURFACES.
(REV 3-8-13) (FA 5-2-13) (1-14)

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 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 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.