



# Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

May 27, 2009

SUBJECT: Various Routes  
Section [113B-2; 106BC; 12B(BR)]I-1  
Henderson & Peoria Counties  
Contract No. 68879  
Item No. 23, June 12, 2009 Letting  
Addendum A

## NOTICE TO PROSPECTIVE BIDDERS:

Attached is an addendum to the plans or proposal. This addendum involves revised and/or added material.

1. Revised pages 2 and 3 of the Special Provisions.

Prime contractors must utilize the enclosed material when preparing their bid and must include any Schedule of Prices changes in their bidding proposal.

Bidders using computer-generated bids are cautioned to reflect any and all Schedule of Prices changes, if involved, into their computer programs.

Very truly yours,

Charles Ingersoll, Chief  
Bureau of Design and Environment

A handwritten signature in black ink, appearing to read "Ted B. Walschleger" followed by a small "P.E." to the right.

By: Ted B. Walschleger, P. E.  
Engineer of Project Management

cc: Joseph E. Crowe, Region 3, District 4; Bill Frey, R. E. Anderson;  
Estimates

TBW:DB:jc

## **SURFACE FILLER, SPECIAL (GALLON)**

This work shall consist of filling cracks over 1/32" and other surface defects such as popouts with a gun-grade elastomeric sealant prior to overcoating with "Protective Coat, Special".

Material. The material shall be a 1-component, polyurethane-based, non-sag elastomeric sealant that meets ASTM C-920, Type S, Grade NS, Class 100/50, use T, NT, G, M.

The surface filler material shall be as recommended by the Manufacturer for the "Protective Coat, Special" and shall be compatible with the protective coating applied to the concrete parapet as specified in the Special Provision for "Protective Coat, Special".

Construction. All cracks and surface defects to be repaired shall be sound, dry, and clean of any foreign material. Preparation, filling, and tooling shall be according to the Manufacturer's specifications. Curing time shall be as recommended by the manufacturer, but a minimum of one day cure time shall be allowed prior to overcoating with "Protective Coat, Special".

A manufacturer's technical representative shall be present on the first day of surface filling operations to ensure correct interpretation of the Manufacturer's specifications.

Method Measurement. The surface filler will be measured for payment in gallons used in place to the nearest 0.1 gallon.

Basis of Payment. The surface filler will be paid for at the contract unit price per gallons for SURFACE FILLER, SPECIAL (GALLON), which price shall include the furnishing of all materials, crack and surface defect preparation, and the application of the surface filler as specified.

## **PROTECTIVE COAT, SPECIAL**

This work consist of applying a protective coat system as specified herein, on concrete parapet surfaces as shown on the plans and as directed by the Engineer.

Materials. The concrete coating shall meet the following material requirements:

Color – Grey

Texture – Smooth

Type – One-component, elastomeric, crack-bridging, anti-carbonation, water vapor permeable, acrylic protective coating.

Weather Resistance – The product shall be intended for exterior applications.

Acceptance of the product will be based on the Manufacturer's Technical Data Sheet or a letter from the Manufacturer stating the product meets the Department's material specifications.

A. Properties of the elastomeric acrylic coating:

1. Pot Life: Indefinite.
2. Moisture Vapor permeability (ASTM E96) 14.5 perms.

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3. Tensile Properties (ASTM D-412 Modified)  
Elongation at break 700% min at 73°F (23°C)  
300% min at 0°F (-18°C)
4. Resistance to wind-driven rain (TT-C-555B): No passage of water through coating.
5. Weathering (ASTM G-23) 10,000 hours excellent, no chalking or cracking.

Construction. The concrete surface to be coated shall be sound, dry and clean of any foreign material. Surface Preparation shall be according to the Manufacturer's specifications, except blast cleaning or power washing (3000 psi min.) will be required. If the surface becomes soiled as determined by the Engineer, after either the initial cleaning or after the first coating, the Contractor shall clean the surface at no additional cost to the Department. Crack and surface defect repairs to the existing concrete parapet shall be performed prior to coating according to the Special Provision for "Surface Filler, Special". Mixing, application, and curing of the coating shall be according to the manufacturer's specifications, except application by spraying will not be allowed. A manufacturer's technical representative shall be present on the first day of the surface preparation operations and the first day of coating operations to ensure correct interpretation of the Manufacturer's specifications.

Do not apply material if it is raining or snowing, or if such conditions are imminent. Minimum application temperature 40°F (5°C) and rising.

The protective coat shall be applied in two coats. The application rate per coat shall produce a dry film thickness between 200-280 microns (8-11 mils). The final dry film thickness of protective coat system shall be between 400-560 microns (16 and 22 mils). Any additional coatings or removal of coatings to stay within the total system range shall be the Contractors responsibility and shall be accomplished at no additional cost to the Department.

The Contractor shall protect pedestrian, vehicular, watercraft, or other traffic upon or underneath the structure and/or roadway and also all portions of the structure and/or roadway against damage or disfigurement during surface preparation and protective coat operations. When doing surface preparation or applying the protective coat over waterways, the Contractor shall implement such controls as are necessary to avoid contamination of the water, spills into the water, or films from collecting on the water surface during operations. If the Engineer determines that the protection methods are not effective, the Engineer will withdraw approval of operations until such time when protective measures are approved.

Method of Measurements. This work will be measured for payment and the area computed in square meters (square yards) of parapet wall surface covered, complete in place.

Basis of Payment. The protective coat will be paid for at the contract unit price per square yard for PROTECTIVE COAT, SPECIAL, which price shall include the furnishing of all materials, surface preparation, and the application of the protective coat as specified.

## **CONCRETE HEALER SEALER**

Description. This work shall consist of all necessary labor, materials, and equipment for the preparation of the concrete bridge decks and subsequent placement of a super low viscosity, highly penetrating, fluorescent, two-component, epoxy healer/sealer. The area to be treated includes the tops of the bridge decks from abutment to abutment.

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