



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

January 15, 2015

SUBJECT: FAI Route 55 (I-55)
Project ACNHPP-0055(411)
Section (84-2) BR-3, RS-4
Sangamon County
Contract No. 72F49
Item No. 29, January 30, 2015 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 page iii of the Table of Contents to the Special Provisions
2. Added page 210 to the Special Provisions
3. Revised sheets 43, 58, 61 & 62 of the Plans

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,

John D. Baranzelli, P.E.
Acting Engineer of Design and Environment

A handwritten signature in cursive script, 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: Roger Driskell, Region 4, District 6; Tim Kell; D. Carl Puzey; Estimates

MS/kf

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Revised 1/15/15

TEXTURED EPOXY COATED REINFORCEMENT BARS

Effective: January 1, 2015

Add the following Article to the end Article 1006.10(a) of the standard specifications.

(3) Textured Epoxy Coated reinforcement bars. Textured epoxy coated reinforcement bars shall be according to 1006(a)(2) except for the following.

- a. Certification. The epoxy coating applicator shall be certified according to the current Bureau of Materials and Physical Research's Policy memorandum, "Epoxy Coating Plant Certification Procedure." The Department will maintain an approved list.
- b. Coating thickness. The base coat of a dual coat systems shall have a thickness of 9 ± 2 mils ($229 \pm 50\mu\text{m}$) and a total coating thickness of not more than 16 mils ($406\mu\text{m}$).
- c. Cutting Reinforcement. Reinforcement bars may be sheared or sawn to length after coating, providing the end damage to the coating does not extend more than 0.5 in. (13 mm) back and the cut is patched before any visible rusting appears. Flame cutting will not be permitted.
- d. Coating Flexibility. Coating flexibility requirements of ASTM A775 Section 8.3 shall be waived for dual coat systems.
- e. Relative Bond Strength in Concrete. Relative Bond Strength shall be according to the Illinois Test procedure listed below.

All Bars to be tested shall be No 5 bars. A minimum of three (3) coated bars and three (3) uncoated bars 30 inches (760 mm) long shall be submitted for testing. Bars will be cast 8 inches (200 mm) into a 10 inch (250 mm) diameter cylinder of concrete with a minimum compressive strength of 3500 psi (24 MPa). The average minimum pull out strength of three test specimens shall achieve 100 percent of the average base uncoated bar ultimate bond strength.

- f. Job Site Quality Assurance Sampling. Three (3) bars from each heat delivered to the project will be designated as "Test Bars." For dual coat systems the first 6 feet (1.83 m) of the "Test Bars" shall have only the base coat applied and will be tested by the Bureau of Materials and Physical Research in according to ASTM A775 to ensure that the base coat meets the requirements of (3)b. above and will be used for acceptance.

Added 1/15/15