



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

September 9, 2009

SUBJECT: FAI Route 64 (I-64)
Section 82-1T
St. Clair County
Contract No. 76C48
Item No. 41, September 18, 2009 Letting
Addendum B

NOTICE TO PROSPECTIVE BIDDERS:

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

1. Revised page 24 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 cursive script, reading "Ted B. Walschleger P.E.", with the letters "P.E." written in a smaller font at the end.

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

cc: Mary C. Lamie, Region 5, District 8; Bill Frey; Estimates

TBW:DB:jc

Compressive Strength (ASTM C-579)	3000 psi
Tensile Strength (ASTM C-307)	300 psi
Flexural Strength (ASTM C-580)	600 psi
Shrinkage (ASTM C-596)	0% at 90% R.H.
Bond (ASTM C-321)	130 psi
Density, when applied (ASTM C-905)	105± pcf

5. Spray applied urethane or epoxy resin system or hybrid polyurea manhole lining (Sewer Manhole Rehabilitation, Level C): The material sprayed onto the surface of the manhole shall be a urethane (similar to Spraywall) or epoxy resin (similar to Warren Environmental Systems M-201 and S-301) or hybrid polyurea (similar to Millspec 1529) system formulated for application within a sanitary sewer environment. The resin will exhibit suitable corrosion resistance and enhance the structural integrity of the existing manhole. The cured urethane or epoxy resin or hybrid polyurea system shall conform to the following minimum structural standards:

TEST CURED PRODUCT	URETHANE/UREA METHOD	EPOXY RESULTS	POLYUREA RESULTS
Tensile Stress	ASTM D-638	5,000 psi	7,000 psi
Flexural Stress	ASTM D-790	10,000 psi	13,000 psi
Flexural Modulus	ASTM D-790	550,000psi	500,000 psi
Comp. Strength	ASTM D-695	14,000 psi	13,000 psi

Rehabilitation of the manhole structure:

1. General Procedures:
 - a. Previous Work: Manholes previously rehabilitated under other projects shall not be rehabilitated if in good condition as determined by the Engineer on-site.
 - b. Safety: The Contractor shall perform all work in strict accordance with all applicable OSHA and manufacturer's safety standards. Each method of manhole rehabilitation in this Section requires some degree of manhole entry by workers. Particular attention is drawn to those safety requirements regarding confined space entry and respiratory protection from airborne particulate materials during cleaning and product mixing and application.
 - c. Cleaning: All concrete and masonry surfaces to be rehabilitated shall be clean. All grease, oil, laitance, coatings, loose bricks, mortar, unsound brick or concrete and other foreign materials shall be completely removed. Water blasting utilizing a 210 degrees F steam unit and proper nozzles shall be the primary method of cleaning; however, other methods such as wet or dry sandblasting, acid wash, concrete cleaners, degreasers or mechanical means may be required

Revised 09/09/2009