



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

April 14, 2015

SUBJECT: FAU Route 210 (Long Lake Drive)
Section 12-00035-00-RS (Round Lake)
Lake County
Contract No. 61A71
Item 169
April 24, 2015 Letting
Addendum B

NOTICE TO PROSPECTIVE BIDDERS:

Due to clarify information necessary to revise the following:

- 1. Deleted the Special Provision HMA-Quantity Correction (BMPP) from pages 23-24**

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

A handwritten signature in cursive script, reading "Ted B. Walschleger, P.E." with the initials "P.E." written in a smaller font to the right.

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

INDEX OF SPECIAL PROVISIONS

	<u>PAGE NO.</u>
LOCATION OF PROJECT	1
DESCRIPTION OF WORK.....	1
MAINTENANCE OF ROADWAYS	1
CONSTRUCTION DEBRIS	2
STATUS OF UTILITIES TO BE ADJUSTED	2
PUBLIC CONVENIENCE AND SAFETY (DIST 1)	3
AGGREGATE SUBGRADE IMPROVEMENT (D-1).....	4
PREPARATION OF BASE.....	6
RECLAIMED ASPHALT PAVEMENT AND RECLAIMED ASPHALT SHINGLES (D-1).....	7
HMA MIXTURE DESIGN REQUIREMENTS (D-1).....	17
GROUND TIRE RUBBER (GTR) MODIFIED ASPHALT BINDER (D-1).....	22
HOT MIX ASPHALT - QUANTITY CORRECTION (BMPR).....	23
STRUCTURES TO BE ADJUSTED	24
SANITARY MANHOLES TO BE ADJUSTED.....	24
FRAMES AND LIDS TO BE ADJUSTED (SPECIAL).....	25
ADJUSTMENTS AND RECONSTRUCTIONS (DISTRICT 1).....	26
DRAINAGE AND INLET PROTECTION UNDER TRAFFIC (DISTRICT 1).....	27
TRAFFIC CONTROL PLAN	28
BASE COURSE REMOVAL (SPECIAL).....	29
DUST CONTROL WATERING.....	29
TEMPORARY INFORMATION SIGNING.....	30
EXPLORATION TRENCH, SPECIAL.....	31
AGGREGATE SURFACE COURSE FOR TEMPORARY ACCESS	31
HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL.....	32
IDOT TRAINING PROGRAM GRADUATE ON-THE-JOB TRAINING SPECIAL PROVISION (TPG)	34
SOIL BORINGS AND PAVEMENT CORES	36

Sieve Size	Percent Passing
No. 16 (1.18 mm)	100
No. 30 (600 μm)	95 ± 5
No. 50 (300 μm)	> 20

Add the following to the end of Note 1. of article 1030.03 of the Standard Specifications:

“A dedicated storage tank for the Ground Tire Rubber (GTR) modified asphalt binder shall be provided. This tank must be capable of providing continuous mechanical mixing throughout by continuous agitation and recirculation of the asphalt binder to provide a uniform mixture. The tank shall be heated and capable of maintaining the temperature of the asphalt binder at 300 °F to 350 °F (149 °C to 177 °C). The asphalt binder metering systems of dryer drum plants shall be calibrated with the actual GTR modified asphalt binder material with an accuracy of ± 0.40 percent.”

Revise 1030.02(c) of the Standard Specifications to read:

“(c) RAP Materials (Note 3)1031”

Add the following note to 1030.02 of the Standard Specifications:

Note 3. When using reclaimed asphalt pavement and/or reclaimed asphalt shingles, the maximum asphalt binder replacement percentage shall be according to the most recent special provision for recycled materials.

HOT MIX ASPHALT - QUANTITY CORRECTION (BMPR)

Effective: ~~October 1, 2014~~

Revised: ~~October 2, 2014~~

~~Revise the fifth paragraph of Article 406.13(b) of the Standard Specifications to read as follows:~~

~~“HMA and Stone Matrix Asphalt (SMA) mixture in excess of 103 percent of the quantity shown on the plans or the plan quantity as specified by the Engineer will not be measured for payment. The “adjusted quantity to be placed” and the “adjusted pay quantity” for HMA and SMA mixtures will be calculated as follows.~~

~~Adjusted Quantity To Be Placed = C x quantity shown on the plans or the plan quantity as specified by the Engineer~~

~~where: C = English: $C = \frac{G_{mb} \times 46.8}{U}$ Metric: $C = \frac{G_{mb} \times 24.99}{U}$~~

~~and where: G_{mb} = average bulk specific gravity from approved mix design
 U = unit weight of HMA shown on the plans in lb/sq yd/in.
 (kg/sq m/25 mm), used to estimate plan quantity
 46.8 = English constant~~

revised 4-14-15

24.99 = metric constant

Adjusted Pay Quantity (not to exceed 103 percent of the quantity shown on the plans or the plan quantity as specified by the Engineer) = B x HMA tons actually placed

where: $B = \frac{1}{C}$

If project circumstances warrant a new mix design, the above equations shall be used to calculate the adjusted plan quantity and adjusted pay quantity for each mix design using its respective average bulk specific gravity."

STRUCTURES TO BE ADJUSTED:
SANITARY MANHOLES TO BE ADJUSTED:

This work shall be done in accordance with Section 602 of the Standard Specifications and shall consist of the adjustment of structures including sanitary manholes. Non-hardening butyl rubber mastic sealant; minimum thickness ¼-inch, shall be used between adjusting rings in place of mortar, or as required by the Engineer as coordinated with the Owner of the Sanitary Sewer. In locations where existing external frame seals exist, it shall be removed and reinstalled. In locations where internal frame seals exist, it shall be removed and disposed of and an external frame seal shall be installed. In locations where there are no existing frame seals, an external frame seal shall be installed. The installation of the external frame seal will not be paid for separately and will be considered included in this pay item.

The External Frame seal shall consist of the following:

- A. Provide frame seals consisting of a flexible external rubber sleeve and extension and stainless steel compression bands.
- B. Rubber sleeve and extension:
 1. Provide rubber sleeve and extension complying with ASTM C923.
 2. Comply with a minimum 1500 psi tensile strength, maximum 18 percent compression set and a hardness (durameter) of 48±5.
 3. Provide sleeve with a minimum thickness of 3/16-inch and unexpanded vertical heights of 6 or 9 inches.
- C. Provide extension having a minimum thickness of 3/16-inch.
- D. Compression band:
 1. Provide compression band to compress the sleeve against the manhole.
 2. Use 16 gauge stainless steel conforming to ASTM A240 Type 304 with no welded attachments and having a minimum width of 1-inch.
 3. Make a watertight seal having a minimum adjustment range of 2 diameter inches.
 4. Provide stainless steel screws, bolts, and nuts conforming to ASTM F593 and 594, Type 304.
- E. Or as coordinated with the Owner of the sanitary sewer system.

The External Frame Seal shall be installed as follows:

- A. Install external rubber gasket on the manhole frame and chimney.