



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

May 21, 2014

SUBJECT: FAU 2783 (Ridgeland Avenue)
Project M-4003(285)
Section 13-00260-00-RS
Cook County
Contract No. 61A52
Item 52
June 13, 2014 Letting
Addendum (A)

NOTICE TO PROSPECTIVE BIDDERS:

Due to clarify information necessary to revise the following:

1. **Plan Sheets 2, 9, 10, 11, 19 & 32.**
2. **Index of Special Provisions.**
3. **BDE Special Provisions Check Sheet.**
4. **Added page 126A to Special Provisions.**
5. **Removed BDE for Hot Mix Asphalt Quality Control for Performance (BMPR) pages 116 thru 120.**
6. **Removed BDE 80071 (Working Days) page 179.**

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 black ink, appearing to read 'Ted B. Walschleger P.E.' with a stylized flourish at the end.

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

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Revised 5/21/04

<u>File Name</u>	<u>#</u>		<u>Special Provision Title</u>	<u>Effective</u>	<u>Revised</u>
80328	46	✓	Progress Payments	Nov. 2, 2013	
80281	47	✓	Quality Control/Quality Assurance of Concrete Mixtures	Jan. 1, 2012	Jan. 1, 2014
34261	48		Railroad Protective Liability Insurance	Dec. 1, 1986	Jan. 1, 2006
80157	49		Railroad Protective Liability Insurance (5 and 10)	Jan. 1, 2006	
* 80306	50		Reclaimed Asphalt Pavement (RAP) and Reclaimed Asphalt Shingles (RAS)	Nov. 1, 2012	April 1, 2014
80327	51		Reinforcement Bars	Nov. 1, 2013	
80283	52	✓	Removal and Disposal of Regulated Substances	Jan. 1, 2012	Nov. 2, 2012
80319	53	✓	Removal and Disposal of Surplus Materials	Nov. 2, 2012	
80307	54		Seeding	Nov. 1, 2012	
* 80339	55		Stabilized Subbase	April 1, 2014	
80127	56		Steel Cost Adjustment	April 2, 2004	April 1, 2009
80317	57		Surface Testing of Hot-Mix Asphalt Overlays	Jan. 1, 2013	
80301	58	✓	Tracking the Use of Pesticides	Aug. 1, 2012	
80333	59		Traffic Control Setup and Removal Freeway/Expressway	Jan. 1, 2014	
20338	60	✓	Training Special Provisions	Oct. 15, 1975	
* 80318	61		Traversable Pipe Grate	Jan. 1, 2013	April 1, 2014
80288	62	✓	Warm Mix Asphalt	Jan. 1, 2012	Nov. 1, 2013
80302	63	✓	Weekly DBE Trucking Reports	June 2, 2012	
80289	64		Wet Reflective Thermoplastic Pavement Marking	Jan. 1, 2012	
80071	65		Working Days	Jan. 1, 2002	

The following special provisions are in the 2014 Supplemental Specifications and Recurring Special Provisions:

<u>File Name</u>		<u>Special Provision Title</u>	<u>New Location</u>	<u>Effective</u>	<u>Revised</u>
80309	Anchor Bolts		Articles 1006.09, 1070.01, and 1070.03	Jan. 1, 2013	
80276	Bridge Relief Joint Sealer		Article 503.19 and Sections 588 and 589	Jan. 1, 2012	Aug. 1, 2012
80312	Drain Pipe, Tile, Drainage Mat, and Wall Drain		Article 101.01, 1040.03, and 1040.04	Jan. 1, 2013	
80313	Fabric Bearing Pads		Article 1082.01	Jan. 1, 2013	
80169	High Tension Cable Median Barrier		Section 644 and Article 1106.02	Jan. 1, 2007	Jan. 1, 2013
80320	Liquidated Damages		Article 108.09	April 1, 2013	
80297	Modified Urethane Pavement Marking		Section 780, Articles 1095.09 and 1105.04	April 1, 2012	
80253	Movable Traffic Barrier		Section 707 and Article 1106.02	Jan. 1, 2010	Jan. 1, 2013
80231	Pavement Marking Removal		Recurring CS #33	April 1, 2009	
80321	Pavement Removal		Article 440.07	April 1, 2013	
80022	Payments to Subcontractors		Article 109.11	June 1, 2000	Jan. 1, 2006
80316	Placing and Consolidating Concrete		Articles 503.06, 503.07, and 516.12	Jan. 1, 2013	
80278	Planting Woody Plants		Section 253 and Article 1081.01	Jan. 1, 2012	Aug. 1, 2012
80305	Polyurea Pavement Markings		Article 780.14	Nov. 1, 2012	Jan. 1, 2013
80279	Portland Cement Concrete		Sections 312, 503, 1003, 1004, 1019, and 1020	Jan. 1, 2012	Nov. 1, 2013
80218	Preventive Maintenance – Bituminous Surface Treatment		Recurring CS #34	Jan. 1, 2009	April 1, 2012
80219	Preventive Maintenance – Cape Seal		Recurring CS #35	Jan. 1, 2009	April 1, 2012
80220	Preventive Maintenance – Micro-Surfacing		Recurring CS #36	Jan. 1, 2009	April 1, 2012
80221	Preventive Maintenance – Slurry Seal		Recurring CS #37	Jan. 1, 2009	April 1, 2012

Revised 5/21/14

WORKING DAYS

The Contractor shall complete Stage 1 work within 40 working days. The Contractor shall commence Stage 2 work after May 26, 2015 following the completion of the separate Local Agency Utility Permit project (Ridgeland Avenue-Lake Street to Division Street) by others, and complete Stage 2 work within 35 working days. Total working days for the project is 75 working days not counting the shutdown of operations.

Added 5/21/14

HOT MIX ASPHALT QUALITY CONTROL FOR PERFORMANCE (BMPR)

Effective: January 1, 2012
 Revised: December 1, 2013

Description. This special provision describes the procedures for production, placement and payment of hot-mix asphalt (HMA). This work shall be according to the Standard Specifications except as modified herein. This special provision shall apply to HMA mixtures as listed in the following table.

Mixture/Use:	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5mm)
Location:	35+44.28 to 36+46, 37+62 to 43+60, 57+60 to 68+00, 90+96 to 143+76.91.
Mixture/Use:	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5mm)
Location:	43+60 to 57+60, 68+00 to 90+96.
Mixture/Use:	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50
Location:	35+44.28 to 35+69, 37+62 to 143+76.91.

Exceptions may be approved for small tonnage less than 800 (725 metric) tons and miscellaneous mixture applications as defined by the Engineer.

- Delete Articles:
- 406.06(b)(1), 2nd Paragraph (Temperature requirements)
 - 406.06 (e), 3rd Paragraph (Pavers speed requirements)
 - 406.07 (Compaction)
 - 1030.05(a)(4, 5, 9,) (QC/QA Documents)
 - 1030.05(d)(2)a. (Plant Tests)
 - 1030.05(d)(2)b. (Dust-to-Asphalt and Moisture Content)
 - 1030.05(d)(2)d. (Small Tonnage)
 - 1030.05(d)(2)f. (HMA Sampling)
 - 1030.05(d)(3) (Required Field Tests)
 - 1030.05(d)(4) (Control Limits)
 - 1030.05(d)(5) (Control Charts)
 - 1030.05(d)(7) (Corrective Action for Field Tests (Density))
 - 1030.05(e) (Quality Assurance by the Engineer)
 - 1030.05(f) (Acceptance by the Engineer)
 - 1030.06(a), 3rd paragraph (Before start-up...)
 - 1030.06(a), 7th paragraph (After an acceptable...)
 - 1030.06(a), 8th paragraph (If a mixture...)
 - 1030.06(a), 9th paragraph (A nuclear/core...)

Definitions:

Deleted 5/21/14

- (a) ~~Quality Control (QC): All production and construction activities by the Contractor required to achieve the required level of quality.~~
- (b) ~~Quality Assurance (QA): All monitoring and testing activities by the Engineer required to assess product quality, level of payment, and acceptability of the product.~~
- (c) ~~Pay Parameters: Pay Parameters shall be field Voids in the Mineral Aggregate (VMA), voids, and density. Field VMA will be calculated using the combined aggregates bulk specific gravity (G_{sb}) from the mix design.~~
- (d) ~~Mixture Lot. A lot shall begin once an acceptable test strip has been completed and the AJMF has been determined. If the test strip is waived, a subplot shall begin with the start of production. A mixture lot shall consist of four sublots unless it is the last or only lot, in which case it may consist of as few as one subplot~~
- (e) ~~Mixture Sublot. A mixture subplot for field VMA, voids, and Dust/AC will be a maximum of 1000 tons (910 metric tons).~~
- ~~• If the remaining quantity is greater than 200 but less than 1000 tons, a subplot will consist of that amount.~~
 - ~~• If the remaining quantity is less than or equal to 200 tons, the quantity shall be combined with the previous subplot.~~
- (f) ~~Density Interval. Density Intervals shall be every 0.2 mile (320 m) for lift thickness equal to or less than 3 in. (75 mm) and 0.1 mile (160 m) for lift thickness greater than 3 in. (75 mm).~~
- (g) ~~Density Sublot. A subplot for density shall be the average of five consecutive Density Intervals. If a Density Interval is less than 200 ft (60 m), it will be combined with the previous Density Intervals.~~
- ~~• If one or two Density Intervals remain outside a subplot, they shall be included in the previous subplot.~~
 - ~~• If three or more Density Intervals remain, they shall be considered a subplot.~~
- (h) ~~Density Test: A density test consists of a core taken at a random longitudinal and random transverse offset within each Density Interval. The HMA maximum theoretical gravity (G_{mm}) will be based on the running average of four Department test results. Initial G_{mm} will be based on the average of the first four test results. If less than four G_{mm} results are available, use an average of all available Department G_{mm} test results.~~

~~The random transverse offset excludes a distance from each outer edge equal to the lift thickness or a minimum of 4 in. (100 mm). If a core is located within one foot of an unconfined edge, 2.0 percent density will be added to the density of that core.~~

~~Quality Control (QC) by the Contractor:~~

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The Contractor's QC plan shall include the schedule of testing for both pay parameters and non-pay parameters required to control the product such as asphalt binder content and mixture gradation. The minimum test frequency shall be according to the following table.

Minimum Quality Control Sampling and Testing Requirements

Quality Characteristic		Minimum Test Frequency
Mixture Gradation		1 per subplot
Asphalt Binder Content		
Dust/AC Ratio		
Field VMA		
Voids	G _{mb}	
	G _{mm}	

The Contractor's splits in conjunction with other quality control tests shall be used to control production.

The Contractor shall submit split jobsite mix sample test results to the Engineer within 48 hours of the time of sampling. All QC testing shall be performed in a qualified laboratory by personnel who have successfully completed the Department's HMA Level I training.

Quality Assurance (QA) by the Engineer:

Voids, field VMA and Dust/AC ratio: The Engineer will determine the random tonnage and the Contractor shall be responsible for obtaining the sample according to the "PFP Hot-Mix Asphalt Random Jobsite Sampling" procedure.

Density: The Engineer will identify the random locations for each density testing interval. The Contractor shall be responsible for obtaining the four inch cores within the same day and prior to opening to traffic unless otherwise approved by the Engineer according to the "PFP and QCP Random Density Procedure". The locations will be identified after final rolling and cores shall be obtained under the supervision of the Engineer. All core holes shall be filled immediately upon completion of coring. All water shall be removed from the core holes prior to filling. All core holes shall be filled with a rapid hardening mortar or concrete which shall be mixed in a separate container prior to placement in the hole. Any depressions in the surface of the filled core holes greater than 1/4 inch at the time of final inspection will require removal of the fill material to the depth of the lift thickness and replacement.

The Engineer will witness and secure all mixture and density samples. The Contractor shall transport the secured sample to a location designated by the Engineer.

The Engineer will test one or all of the randomly selected split samples from each lot for voids, field VMA and dust/AC ratio. The Engineer will test a minimum of one sample per project. The Engineer will test all of the pavement cores for density. All QA testing will be performed in a qualified laboratory by personnel who have successfully completed the Department's HMA

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Level I training. QA test results will be available to the Contractor within 10 working days from receipt of secured cores and split mixture samples.

The Engineer will maintain a complete record of all Department test results and copies will be provided to the Contractor with each set of subplot results. The records will contain, as a minimum, the originals of all Department test results and raw data, random numbers used and resulting calculations for sampling locations, and quality level analysis calculations.

If the QA results do not meet the 100% subplot pay factor limits or do not compare to QC results within the precision limits listed below, the Engineer will test all split mix samples for the lot.

Test Parameter	Limits of Precision
G _{mb}	0.030
G _{mm}	0.025
Field VMA	1.0 %

Acceptance by the Engineer: All of the Department's tests shall be within the acceptable limits listed below:

Parameter		Acceptable Limits
Field VMA		-1.0 – +3.0% ^{1/}
Voids		2.0 – 6.0%
Density:	IL-9.5, IL-12.5, IL-19.0, IL-25.0, IL-4.75, IL-9.5FG ^{3/}	90.0 – 98.0%
	SMA	92.0 – 98.0%
Dust / AC Ratio		0.4 – 1.6 ^{2/}

1/ Based on minimum required VMA from mix design

2/ Does not apply to SMA.

3/ Acceptable density limits for IL-9.5FG placed less than 1.25 in. shall be 89.0% - 98.0%

In addition, no visible pavement distresses shall be present such as, but not limited to, segregation, excessive coarse aggregate fracturing or flushing.

Basis of Payment: Payment will be based on the calculation of the Composite Pay Factor using QA results for each mix according to the "QCP Payment Calculation" document.

Dust / AC Ratio. A monetary deduction will be made using the pay adjustment table below for dust/AC ratios that deviate from the 0.6 to 1.2 range. If the tested subplot is outside of this range, the Department will test the remaining subplots for Dust / AC pay adjustment.

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~~Dust / AC Pay Adjustment Table^{1/}~~

Range	Deduct / subplot
$0.6 \leq X \leq 1.2$	\$0
$0.5 \leq X < 0.6$ or $1.2 < X \leq 1.4$	\$1000
$0.4 \leq X < 0.5$ or $1.4 < X \leq 1.6$	\$3000
$X < 0.4$ or $X > 1.6$	Shall be removed and replaced

~~1/ Does not apply to SMA.~~

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~~WORKING DAYS (BDE)~~

~~Effective: January 1, 2002~~

~~The Contractor shall complete the work within 60 working days.~~

~~80071~~

Deleted 5/21/14

~~179~~