



# Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

April 11, 2019

SUBJECT: FAP Route 740 (IL 251)  
Project NHPP-W78V(291)  
Section 109RS-4  
Ogle County  
Contract No. 64L59  
Item No. 30, April 26, 2019, 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 ii of the Table of Contents to the Special Provisions.
2. Added pages 64-66 to the Special Provisions.

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

Very truly yours,

Jack A. Elston, P.E.  
Bureau Chief, Bureau of Design and Environment

A handwritten signature in cursive script, reading "Ted B. Walschleger P.E.".

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

WARM MIX ASPHALT (BDE) .....62  
WEEKLY DBE TRUCKING REPORTS (BDE).....63  
WORKING DAYS (BDE).....63  
HOT-MIX ASPHALT MIXTURE IL-9.5FG (CBM).....64

**HOT-MIX ASPHALT MIXTURE IL-9.5FG (CBM)**

Effective: July 1, 2005

Revised: March 6, 2019

Description. This work shall consist of constructing fine graded hot-mix asphalt (HMA) surface course or leveling binder with an IL-9.5FG mixture. Work shall be according to Sections 406, 407 and 1030 of the Standard Specifications, except as modified herein.

Materials. Add the following after the second paragraph of Article 1003.03(c) of the Standard Specifications:

“For mixture IL-9.5FG, the fine aggregate fraction shall consist of at least 67 percent manufactured sand meeting FA 20 gradation. The manufactured sand shall be stone sand, slag sand, steel slag sand, or combinations thereof.”

Mixture Design. Add the following to the table in Article 1030.04(a)(1):

“High ESAL, MIXTURE COMPOSITION (% PASSING) <sup>1/</sup>		
Sieve Size	IL-9.5FG	
	min	max
1 1/2 in (37.5 mm)		
1 in. (25 mm)		
3/4 in. (19 mm)		
1/2 in. (12.5 mm)		100
3/8 in. (9.5 mm)	90	100
#4 (4.75 mm)	60 <sup>6/</sup>	75 <sup>6/</sup>
#8 (2.36 mm)	45 <sup>6/</sup>	60 <sup>6/</sup>
#16 (1.18 mm)	25	40
#30 (600 μm)	15	30
#50 (300 μm)	8	15
#100 (150 μm)	6	10
#200 (75 μm)	4	6.5
Ratio Dust/Asphalt Binder		1.0

6/ When used as level binder placed less than 1 in. (25 mm) thick, the min and max percent passing shall each be increased 5%.”

Revise the table in Article 1030.04(b)(1) of the Standard Specifications to read:

"VOLUMETRIC REQUIREMENTS High ESAL				
Ndesign	Voids in the Mineral Aggregate (VMA), % minimum			Voids Filled with Asphalt Binder (VFA), %
	IL-19.0	IL-9.5 IL-9.5FG	IL-4.75 <sup>1/</sup>	
50	13.5	15.0	18.5	65 - 78 <sup>2/</sup>
70			65 - 75 <sup>3/</sup>	
90				

- 1/ Maximum Draindown for IL-4.75 shall be 0.3 percent.
- 2/ VFA for IL-4.75 shall be 76-83 percent.
- 3/ VFA for IL-9.5FG shall be 65-78 percent"

Quality Control/Quality Assurance (QC/QA). Revise the second table in Article 1030.05(d)(4) to read:

DENSITY CONTROL LIMITS			
Mixture Composition		Parameter	Individual Test
IL-4.75		Ndesign = 50	93.0 – 97.4 % <sup>1/</sup>
IL-9.5FG	Lifts ≥ 1.25 in. (32 mm)	Ndesign = 50 - 90	93.0 – 97.4 <sup>1/</sup>
	Lifts < 1.25 in. (32 mm)	Ndesign = 50 - 90	91.0 – 96.0
IL-9.5		Ndesign = 90	92.0 – 96.0 %
IL-9.5, IL-9.5L,		Ndesign < 90	92.5 – 97.4 %
IL-19.0		Ndesign = 90	93.0 – 96.0 %
IL-19.0, IL-19.0L		Ndesign < 90	93.0 <sup>2/</sup> – 97.4 %
SMA		Ndesign = 50 & 80	93.5 – 97.4 %

- 1/ Density shall be determined by cores or by correlated, approved thin lift nuclear gauge.
- 2/ 92.0 % when placed as first lift on an unimproved subgrade.

CONSTRUCTION REQUIREMENTS

Leveling Binder. Revise the table and second paragraph of Article 406.05(c) of the Standard Specifications to read:

"Leveling Binder	
Nominal, Compacted, Leveling Binder Thickness, in. (mm)	Mixture Composition
≤ 1 1/4 (32)	IL-4.75, IL-9.5, IL-9.5 FG, or IL-9.5L
> 1 1/4 to 2 (32 to 50)	IL-9.5, IL-9.5FG, or IL-9.5L

The density requirements of Article 406.07(c) shall apply for leveling binder, machine method, when the nominal, compacted thickness is: 3/4 in. (19 mm) or greater for IL 4.75 and IL-9.5FG mixtures; 1 1/4 in. (32 mm) or greater for IL-9.5 and IL-9.5L mixtures."

Basis of Payment. Add the following two paragraphs after the third paragraph of Article 406.14 of the Standard Specifications:

"Mixture IL-9.5FG will be paid for at the contract unit price per ton (metric ton) for LEVELING BINDER (HAND METHOD), IL-9.5FG, of the Ndesign specified; LEVELING BINDER (MACHINE METHOD), IL-9.5FG, of the Ndesign specified; or HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FG, of the Ndesign specified.

Mixture IL-9.5FG in which polymer modified asphalt binders are required will be paid for at the contract unit price per ton (metric ton) for POLYMERIZED LEVELING BINDER (HAND METHOD), IL-9.5FG, of the Ndesign specified; POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-9.5FG, of the Ndesign specified; or POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FG, of the Ndesign specified."