



Illinois Department of Transportation

Memorandum

To: Regional Engineers
From: Omer M. Osman *Omer M. Osman* 1/11/16
Subject: Special Provision for Surface Testing of Hot-Mix Asphalt Overlays
Date: January 8, 2016

This special provision was originally developed by the Bureau of Materials & Physical Research as part of the Illinois Smoothness Initiative. It requires a 0.00 in. (0.0 mm) blanking band be used to calculate the Profile Index values and includes incentives and/or disincentives based on those values. This special provision has been revised to fit with the 2016 Standard Specifications.

This special provision should be inserted into all interstate resurfacing contracts. At the district's discretion, it can also be inserted into other multi-lane resurfacing contracts with overlay thicknesses of 3.75 in. (95 mm) or greater. Note: this special provision is not recommended for use on two lane hot-mix asphalt overlay projects or projects with overlay thicknesses less than 3.75 in. (95 mm).

The districts should include the Bureau of Design and Environment Check Sheet marked with the applicable special provisions for the April 22, 2016 and subsequent lettings. The Project Development and Implementation Section will include a copy in the contract.

This special provision will be available on the transfer directory January 8, 2016.

80317m

SURFACE TESTING OF HOT-MIX ASPHALT OVERLAYS (BDE)

Effective: January 1, 2013

Revised: April 1, 2016

Revise Article 406.03(h) of the Standard Specifications to read:

“(h) Pavement Surface Test Equipment 1101.10”

Revise Article 406.11 of the Standard Specifications to read:

“**406.11 Surface Tests.** The finished surface of the pavement shall be tested for smoothness according to Article 407.09, except as follows:

One wheel track shall be tested per lane. Testing shall be performed 3 ft (1 m) from and parallel to the edge of the lane away from traffic.

SMOOTHNESS ASSESSMENT SCHEDULE (HMA Overlays)		
High-Speed Mainline Pavement Average Profile Index in./mile (mm/km)	Low-Speed Mainline Pavement Average Profile Index in./mile (mm/km)	Assessment per subplot
6.0 (95) or less	15.0 (240) or less	+\$150.00
>6.0 (95) to 10.0 (160)	>15.0 (240) to 25.0 (400)	+\$80.00
>10.0 (160) to 30.0 (475)	>25.0 (400) to 45.0 (710)	+\$0.00
>30.0 (475) to 40.0 (635)	>45.0 (710) to 65.0 (1025)	+\$0.00
Greater than 40.0 (635)	Greater than 65.0 (1025)	-\$300.00”