

**New Jersey Department of Transportation**  
1035 Parkway Avenue, PO Box 600, Trenton, New Jersey 08625-0600



## ***Baseline Document Change Announcement***

**ANNOUNCEMENT: BDC13S-10**

**DATE: August 12, 2013**

**SUBJECT: Air Voids in the SMA**  
- Revision to Subpart 404.03.01 of the 2007 Standard Specifications for Road and Bridge Construction.

Subpart 404.03.01 H, as it appears in the Standard Input (SI 2007) has been revised to change the lower limit of the allowable air voids in the Stone Matrix Asphalt (SMA). It is expected that the change in the lower limit from 2% to 1% will be less restrictive on the contractors and will not adversely affect the quality.

**The following revisions have been incorporated into the Standard Input SI2007 as of August 12, 2013.**

### **404.03.01 SMA**

#### **H. Air Void Requirements.**

THE FIFTH PARAGRAPH AS IT APPEARS IN THE SI IS CHANGED TO:

The ME will calculate the percent defective (PD) as the percentage of the lot outside the acceptable range of 1 percent air voids to 7 percent air voids. The acceptable quality limit is 10 percent defective. For lots in which PD < 10, the Department will award a positive pay adjustment. For lots in which PD > 10, the Department will assess a negative pay adjustment.

PART 2 UNDER THE SEVENTH PARAGRAPH AS IT APPEARS IN THE SI IS CHANGED TO:

#### **2. Quality Index (Q).**

$$Q_L = \frac{\bar{X} - 1.0}{S}$$

$$Q_U = \frac{1.0 - \bar{X}}{S}$$

**Implementation Code R (ROUTINE)**

Changes must be implemented in all applicable Department projects scheduled for Final Design Submission at least one month after the date of the BDC announcement. This will allow designers to make necessary plan, specifications, and estimate/proposal changes without requiring the need for an addenda or postponement of advertisement or receipt of bids.

**Recommended By:**

ORIGINAL SIGNED

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Richard Jaffe  
Director,  
Capital Program Support

**Approved By:**

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Richard T. Hammer  
Assistant Commissioner,  
Capital Program Management

RJ: KS: HP  
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