

## **AMENDMENT TO OPSS 313, APRIL 2021**

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Special Provision No. BITU0026

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### **Regression Method**

#### **313.01 SCOPE**

Section 313.01 of OPSS 313 is amended by deleting the first paragraph in its entirety and replaced with the following:

This specification covers the requirements for the placement, compaction, and acceptance of hot mix asphalt (HMA), for projects where the job mix formula has been adjusted for production using the regression method.

#### **313.03 DEFINITIONS**

Section 313.03 of OPSS 313 is amended by the addition of the following:

**Regressed AC Content** means the AC content corresponding to 3.5% air voids, determined by the regression method.

**Regression Method** means the mix design asphalt cement (AC) content, selected at 4.0% air voids, is increased for production purposes to an amount that will correspond to 3.5% air voids, taken from the air voids versus AC content plot in the submitted mix design.

#### **313.08 QUALITY ASSURANCE**

##### **313.08.01 Acceptance Criteria**

##### **313.08.01.02 Mix Properties and Compaction**

##### **313.08.01.02.03 Basis of Acceptance**

Clause 313.08.01.02.03 of OPSS 313 is amended by the addition of the following:

Any subplot with air voids less than or equal to 1.5% shall be considered rejectable. When a lot contains any subplot that is deemed rejectable due to the air voids, the lot shall be rejected until the subplot has been repaired and re-evaluated as acceptable.

### **TABLES:**

Table 5 of OPSS 313 is deleted in its entirety and replaced with the following:

**TABLE 5**  
**Specification Limits for HMA Acceptance Attributes**

<b>Attributes</b>	<b>HMA Type</b>	<b>Lower Limit (LL) %</b>	<b>Upper Limit (UL) %</b>
AC Content	All HMA types	JMF - 0.40 (Notes 1 and 2)	JMF + 0.50 (Note 2)
Designated Large Sieve	All HMA types	JMF - 5.0	JMF + 5.0
4.75 mm Sieve	All HMA types	JMF - 5.0	JMF + 5.0
75 µm Sieve	All HMA types	JMF - 2.0	JMF + 2.0
Air Voids	All HMA types	2.0	5.0
Pavement Compaction	Superpave 37.5, 25.0, 19.0, 12.5, 9.5 and 12.5FC 1	92.0	97.0
	Superpave 12.5FC 2	92.0	98.0
	SMA	93.0	98.0
<b>Notes:</b> 1. When a JMF change results in a decrease in the design AC content, the lower limit (LL) shall be set at the revised JMF minus 0.3% for all lots to which the JMF change applies. 2. When regression method is used, substitute JMF AC content with regressed AC content for calculation of PWL for mix acceptance.			

**WARRANT:** Always with BITU0025 for projects where the job mix formula needs to be adjusted for production using regression method, in consultation with the Regional Geotechnical Section and Bituminous Section.

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