



**STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY DESIGN DIVISION**  
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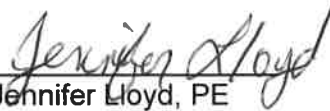
**BILL HASLAM**  
GOVERNOR

**INSTRUCTIONAL BULLETIN NO. 16-13**

**UPDATED SECTION 4-403.00 – COMPUTATIONS OF TACK COAT**

**Effective immediately, Section 4-403.00 – Computations for Tack Coat of the Roadway Design Guidelines has been updated. Application rates have been updated for item number 403-01 and item number 403-02.01 has been added.**

The updated section is attached to this instructional bulletin.

  
Jennifer Lloyd, PE  
Civil Engineering Director  
Roadway Design Division

KJL: ARH: VLN

October 10, 2016

**4-403.00 COMPUTATIONS FOR TACK COAT**

Item No. 403-01 Bituminous Material for Tack Coat (TC)

$$\frac{\text{Surface Area (S.Y.)} \times \text{*Rate (Gal./C.Y.)}}{231 \text{ Gal./ Ton}} = \text{Tons}$$

\*Rate = 0.05 – 0.10 Gal/Sq. Yd. (General Use)

\*Rate = 0.08 – 0.12 Gal/Sq. Yd. (Milling – Cold Plane)

Item No. 403-02 Asphalt Cement for Tack Coat (TC)

$$\frac{\text{Surface Area (S.Y.)} \times 0.05 \text{ (Gal./C.Y.)}}{231 \text{ Gal./ Ton}} = \text{Tons}$$

Item No. 403-02.01 Trackless Tack Coat

Calculations are similar to Item No. 403-01. Only the trackless materials listed in TDOT Standard Specifications for Road and Bridge Construction Section 403 shall be permitted.

**NOTE: Tack coat shall not be applied on top of either Grading AS or Treated Permeable Base mixtures.**