Centennial FDOT 1915 ★ 2015

# Florida Department of Transportation

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January 8, 2016

**MATERIALS BULLETIN NO. 14-15**
**DCE MEMORANDUM NO. 22-15**
***(FHWA Approved: 1/7/2016)***

**TO:** **DISTRICT MATERIALS AND RESEARCH ENGINEERS**
**DISTRICT CONSTRUCTION ENGINEERS**

**FROM:** Timothy J. Ruelke, P.E., Director, Office of Materials
David A. Sadler, P.E., Director, Office of Construction

**COPIES:** Amy Tootle, Tom Byron, Bob Burleson, Jim Warren, Jim Musselman, Rich Hewitt, Nick Finch, Rafiq Darji

**SUBJECT:** **IMPLEMENTATION OF VACUUM DRYING FOR DETERMINATION OF ROADWAY CORE DENSITY**

FM 1-T 166, Bulk Specific Gravity of Compacted Asphalt Specimens, is modified effective January 1, 2016 to make the use of a vacuum drying machine mandatory in the determination of the density of roadway cores. Along with the implementation of this device in FM 1-T 166, the following changes are also made to Sections 330 and 334:

1. The minimum acceptable density level in segregated areas is changed from 90.00 to 89.50 % Gmm in Subarticle 330-9.2.
2. The minimum density level in the Master Production Range in Table 334-5 is changed from 90.00 to 89.50 % Gmm.
3. The between-laboratory precision value for Gmb of roadway cores in Table 334-6 is changed from 0.015 to 0.014.
4. The PWL specification limits for density for static mode compaction in Table 334-8 are changed from 92.00 + 3.00, - 1.20 to 92.00 + 3.00, - 1.50 % Gmm.

This memorandum serves as a blanket approval to process a no-cost specification change incorporating the above changes to FM 1-T 166 and Sections 330 and 334 of the Standard Specifications for ongoing projects let prior to January 2016. For these changes to be applicable, the contractor, verification technician, and resolution technician must use a vacuum drying device meeting the requirements of FM 1-T 166 for the determination of density of roadway cores.

For any questions concerning this matter, please contact either Greg Sholar at 352.955.2920 or Tanya Nash at 352.955.2903.

TR/DS/gs