

Sand Patch Test

Contract ID: _____ Date: _____

Project No.: _____ ALDOT Tester: _____

County: _____ Prime Contractor: _____

Region / Area: _____ Milling Contractor: _____

Location of Test Section (Random Numbers): _____

ASTM E965-15 Standard Test Method for Measuring Pavement Macrotexture Depth Using a Volumetric Technique

Perform the test method at 4 randomly spaced sites for each test section:	Solid Glass Spheres:
1. Select sites where the surface is a dry, homogeneous area that contains no unique, localized features such as cracks and joints.	Volume of Sample (min 1.5 in ³)
2. Thoroughly clean the surface with compressed air and/or a soft-bristled brush to remove any visible residue, debris, or loose aggregate.	_____
3. Place a portable wind screen around the site to be tested.	Mass of Sample (to nearest 0.1 g)
4. Pour the measured sample onto the surface and spread them in a circular motion with a rubber disk tool until the surface voids are filled flush with the aggregate particle tips.	_____
5. Measure and record the diameter of the material at 4 equally spaced locations. (If the diameter is greater than 12 inches, reduce the amount of material used by half.)	

TEST MEASUREMENTS & CALCULATIONS

	Station	Diameter 1	Diameter 2	Diameter 3	Diameter 4	Avg Diameter (0.1 inches)	MTD (0.0001 inches)
Site 1							
Site 2							
Site 3							
Site 4							
Overall Average of 4 Sites:							

$$MTD = \frac{4V}{\pi D^2}$$

MTD = Mean Texture Depth of Pavement Macrotexture (inches)
 V = Volume of Sample (cubic inches)
 D = Average Diameter (inches)

TEST VALIDATION FOR EACH SITE

Site MTDs are:

Within ± 0.005" of overall average MTD = **TEST IS VALID**

Not within ± 0.005" of overall average MTD = **RETEST THAT SITE or INCLUDE EXPLANATION**

TEST RESULTS

Overall Average MTD is:

Less Than or Equal To 0.0625" = **PASS**

Greater Than 0.0625" = **FAIL**