

SAND EQUIVALENT TEST FOR MINERAL AGGREGATE FOR ASPHALTIC CONCRETE FRICTION COURSE

(A Modification of AASHTO T 176)

This test procedure is the same as specified in AASHTO T 176, except:

1. The following is added: "This procedure is used for determining the sand equivalent value for mineral aggregate to be used in ACFC. The mineral aggregate gradation requirements for ACFC yield a large percentage of material which passes the 4.75 mm (No. 4) sieve and is retained on the 2.36 mm (No. 8) sieve. Due to the amount of material retained on the 2.36 mm (No. 8), the sand equivalent test, when performed as outlined in AASHTO T 176, utilizing minus 4.75 mm (No. 4) material does not lend itself to testing the mineral aggregate required for ACFC."

2. The following is added: "This test method may involve hazardous material, operations, or equipment. This test method does not purport to address all of the safety concerns associated with its use. It is the responsibility of the user to consult and establish appropriate safety and health practices and determine the applicability of any regulatory limitations prior to use."

3. The following is added: "See Appendix A1 of the Materials Testing Manual for information regarding the procedure to be used for rounding numbers to the required degree of accuracy."

4. The following is added: "Metric (SI) units and values are shown in this test method with English units and values following in parentheses. Values given for metric and English units may be numerically equivalent (soft converted) for the associated units, or they may be given as rounded or rationalized values (hard converted). Either the metric or English units along with their corresponding values shall be used in accordance with applicable specifications. See Appendix A2 of the Materials Testing Manual for additional information on the metric system."

5. The following is added: "Requirements for the frequency of equipment calibration and verification are found in Appendix A3 of the Materials Testing Manual."

6. In Section 4, "Sample Preparation", all references to "4.75 mm (No. 4) sieve" shall be replaced by "2.36 mm (No. 8) sieve."