
HDOT TM 5 - 00

Standard Test Method for Wet Preparation of Disturbed Soil Samples

1. Scope

1.1 This test method is intended for the wet preparation of soil samples as received from the field, for subsequent testing for the liquid limit, plasticity index, sand equivalent, gradation, and/or moisture-density relations of soils.

1.2 This method is to be used on soils with natural moisture content higher than 40 percent or on sensitive soils such as volcanic ash which will have significant irreversible change in properties if dried before testing.

1.3 This method shall be used as directed by the Engineer or if allowed in the Special Provisions for the project in which the soil will be used.

2. Referenced Documents

2.1 AASHTO Standards:

- M92 Wire Cloth Sieves for Testing Purposes
- T11 Materials Finer Than $75\mu\text{m}$ (No. 200) Sieve in Mineral Aggregates by Washing
- T27 Sieve Analysis of Fine and Coarse Aggregates
- T89 Determining the Liquid Limit of Soils
- T90 Determining the Plastic Limit and Plasticity Index of Soils
- T99 The Moisture-Density Relations of Soils Using 2.5 kg (5.5 pounds) Rammer and a 305 mm (12 inches) Drop
- T176 Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test
- T180 Moisture-Density Relations of Soils Using a 4.54 kg (10 pounds) Rammer and a 457 mm (18 inches) Drop
- T265 Laboratory Determination of Moisture Content of Soils

3. Apparatus

3.1 Balance — The balance shall be precision to 0.1 gram.

3.2 Sieves — The 4.75 mm (No. 4), 2.00 mm (No. 10), 425 μm (No. 40) and 75 μm (No. 200) sieves shall conform with the requirements of AASHTO M 92.

3.3 Sample Splitter

4. Sampling

