
Standard Specification for Materials for Embankments and Subgrades

AASHTO Designation: M 57-80 (2021)

Technically Revised: 1980

Reviewed but Not Updated: 2021

**Technical Subcommittee: 1b, Geotechnical Exploration,
Instrumentation, Stabilization, and Field Testing**



**American Association of State Highway and Transportation Officials
555 12th Street NW, Suite 1000
Washington, D.C. 20004**

Standard Specification for

Materials for Embankments and Subgrades

AASHTO Designation: M 57-80 (2021)



Technically Revised: 1980

Reviewed but Not Updated: 2021

Technical Subcommittee: 1b, Geotechnical Exploration, Instrumentation, Stabilization, and Field Testing

1. SCOPE

- 1.1. This specification covers materials for use in the construction of embankments and subgrades.
- 1.2. The values stated in SI units are to be regarded as the standard.

2. REFERENCED DOCUMENTS

2.1. *AASHTO Standards:*

- M 145, Classification of Soils and Soil–Aggregate Mixtures for Highway Construction Purposes
- M 146, Terms Relating to Subgrade, Soil–Aggregate, and Fill Materials
- R 58, Dry Preparation of Disturbed Soil and Soil–Aggregate Samples for Test
- R 74, Wet Preparation of Disturbed Soil Samples for Test
- T 11, Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing
- T 27, Sieve Analysis of Fine and Coarse Aggregates
- T 88, Particle Size Analysis of Soils
- T 89, Determining the Liquid Limit of Soils
- T 90, Determining the Plastic Limit and Plasticity Index of Soils
- T 99, Moisture–Density Relations of Soils Using a 2.5-kg (5.5-lb) Rammer and a 305-mm (12-in.) Drop
- T 180, Moisture–Density Relations of Soils Using a 4.54-kg (10-lb) Rammer and a 457-mm (18-in.) Drop
- T 191, Density of Soil In-Place by the Sand-Cone Method
- T 233, Density of Soil In-Place by Block, Chunk, or Core Sampling
- T 310, In-Place Density and Moisture Content of Soil and Soil–Aggregate by Nuclear Methods (Shallow Depth)

3. TERMINOLOGY

- 3.1. Terminology for these materials is given in M 146.