

Method of Test For  
**AMOUNT OF MATERIAL FINER THAN THE 75 $\mu$ m (NO. 200) SIEVE IN  
AGGREGATE BY WASH**  
DOTD DESIGNATION: TR 112

**I. Scope**

- A. This method of test is used to determine the quantity of material finer than the 75 $\mu$ m (No. 200) sieve in aggregate by washing. The procedure is used in conjunction with DOTD TR 113 when the total material finer than the 75 $\mu$ m (No. 200) sieve is to be determined by both dry sieving and washing
- B. Reference Documents
  - 1. AASHTO R 76 – Standard Practice for Reducing Samples of Aggregate to Testing Size
  - 2. AASHTO T 11 – Amount of Material Finer Than 75- $\mu$ m (No. 200) Sieve in Mineral Aggregates by Washing
- C. For test procedure, refer to AASHTO T 11 with the following modifications

**II. Apparatus**

- A. Aggregate Test Report

**III. Health Precautions**

- A. Proper equipment and precautions are to be used whenever hot materials or equipment must be handled. Use container holders or gloves while handling hot containers. Use appropriate respirator and turn on ventilation system when working in dusty areas.

**IV. Procedure**

- A. Use AASHTO T 11 Section 9 PROCEDURE B -WASHING USING A WETTING AGENT
- B. Procedure B refers to AASHTO T 11 Section 8 PROCEDURE A –WASHING WITH PLAIN WATER Section 8.1 and 8.2.
  - 1. Section 8.2 – If the amount passing the No. 200 sieve is required, it shall be determined on a portion of the sample passing a sieve smaller than the nominal maximum size (the smallest sieve opening through which the entire amount of aggregate is permitted to pass) of the aggregate sample. The sample shall be placed on this designated sieve and the amount (mass) of the material passing this sieve shall be recorded to 0.1 percent. Use this mass as the original dry mass of the test sample in Section 10.1.