



Standard Test Procedures Manual

Section: SAMPLING

Subject: SUMMARY SCHEDULE CONSTRUT. MATERIALS

1. SCOPE

1.1 Description of Test

This method covers the schedule of submission of samples to district or central laboratories. These samples will be used for routine quality control for those materials not tested in the field, and for check testing of duplicate samples previously tested in the field.

Whenever possible samples will be taken from the sampling device of the delivery unit immediately before or during unloading.

2. APPARATUS AND MATERIALS

2.1 Samples to be Tested

2.1.1 **Asphalt Emulsions**

Submit one sample per day from each project, to Central Laboratory. When test results show material to be generally within specification, reduce submission to 1 or 2 samples per week.

Refer to STP 102 for method of sampling, size and type of container and shipping instructions.

2.1.2 **Asphalt Cements**

Submit one sample per operating day from each project to Central Laboratory.

Refer to STP 102 for method of sampling, containers and shipping instructions.

2.1.3 **Asphalt Cutback**

Submit 2 to 3 samples per week, depending on production.

Refer to STP 102 for method of sampling, containers and shipping instructions

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2.1.4 Asphalt Mixes

Duplicate samples are required by central (or district labs as applicable) to periodically check test results of fieldlabs. Submission may vary depending on how close check tests duplicate each other. Select samples in accordance with STP 103.

For the first few days of production submit every fourth sample as above. Thereafter, reduce sample intervals to 2 or 3 per week, providing check tests are reasonably comparable. Asphalt contents should check within 0.3% and sieve analysis within 2% for the fines and 4% for coarse fractions. Marshall densities should check within $\pm 25 \text{ kg/m}^3$.

2.1.5 Granular Materials

Duplicate samples are required by central or district labs as applicable, to periodically check test results of field labs. Submissions may vary depending on how close check tests duplicate each other.

Select samples in accordance with STP 105.

For samples to be submitted, split into approximately equal parts. Test the first part as usual in the field laboratory and submit the second part to the central or district laboratory.

During the first few days of production, submit 1 sample of subbase and base course as above. Thereafter, reduce sample submissions to one or two per week, depending if check tests are reasonably comparable. Plasticity index should check within 2 and sieve analysis within 2% for the fines and 4% for coarse fractions. Standard Proctor densities should check within $40 \pm \text{ kg/m}^3$ and may be submitted less frequently if pugmilled material is uniform.

2.1.6 Lime

Submit 1 or 2 per week to central laboratory or as required by the engineer.

Refer to STP 120 for method of sampling and shipping instructions.

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2.1.7 Lime-Soil Mixtures

Submit 1 sample to central laboratory per km of treated roadway or as directed by engineer. The sample consists of two parts; one of the untreated material and a matching sample after treating at the identical location. It is most important that the pair of samples be with 2 m of each other and at the same depth.

Refer to STP 107 for sampling method.

To take a sample from a discharge line, a detachable fitting with a valve that can be used to bleed off the sample must be used.