

**Standard Method of Test for
Methods of Sampling Asphalt Mixture
SCDOT Designation SC-T-62 (rev. 06/2021)**

1. SCOPE

- 1.1 This method covers the procedures for sampling asphalt mixtures as prepared for use in paving.

2. REFERENCED DOCUMENTS

- 2.1 SC-T-72, SC-T-75, SC-T-83, SC-T-93, and SC-T-110

3. SUMMARY OF TEST METHOD

- 3.1 None

4. SIGNIFICANCE AND USE

- 4.1 The purpose of using this procedure is to ensure that the sample of asphalt mixture is representative of the entire truck or paver, and reduce sampling bias.

5. APPARATUS

- 5.1 Standard Round or Square point shovel, 5-gallon bucket(s) or similar, and sample bags or boxes for SCDOT testing.

6. TEST SPECIMAN

- 6.1 Minimum size sampled should be in accordance with the table shown below.

7. PROCEDURE

- 7.1 Selection of Samples - Sampling is equally as important as testing, and the sampler shall use every precaution to obtain samples that are truly representative of the asphalt mixture. Care shall be taken in sampling to avoid segregation of coarse aggregate and asphalt binder. Care shall also be taken to prevent contamination by dust or other foreign matter.
- 7.2 Size of Sample - The size of sample will be governed by the type of asphalt mixture being sampled. The size of sample must conform to the requirements as shown in the table below. Ensure SCDOT split samples are placed in sample boxes or sample bags using SC-T-72 or SC-T-93.

Type of Mixture	Contractor Split (DAM, IA, and Verification) Samples - Bagged (lbs.)	Contractor Split (DAM, IA, and Verification) Samples - Boxed
Base	20-50	See sample requirements stated in SC-T-75 and SC- T-83 for samples prepared for sample boxes
Shoulder Widening	20-50	
Intermediate	20-35	
Surface	15-35	
OGFC*	see SC-T-110* (sample boxes required) See sample requirements for SC-T-75	

Figure SC-T-62-A: Table of minimum sample sizes per mix type

7.3 Sampling Plant-Mixed Asphalt

7.3.1 *Truck Bed Sampling* -- Sampling from the truck beds must be accomplished by shoveling away the top part of the section to be sampled to a depth of at least 12 in. This is done so as to eliminate the possibility of segregated material. Then with a round-point shovel, dig straight down into the material from at least three places to obtain sample. A portion of each location should be placed in each of the buckets to ensure a representative sample is obtained from the truck. ***In no case should the plant technician step into the bed of the truck. If necessary, the truck will need to be repositioned in order to reach a desired location.***

7.3.2 *Paver Hopper Sampling* -- Sampling from the paver hopper must be accomplished by having the truck unload half of its load into the hopper and then having the truck pull forward. The sample should be obtained by shoveling away the top material with a round-point shovel and removing the material from at least three places in the hopper, directly above the slat conveyors. Ensure that in each of the three sampled areas, a portion is placed in each of the buckets to obtain a representative sample. Sampling from the paver screw conveyors will not be permitted.

8. CALCULATIONS

8.1 None

9. REPORT

9.1 None