Standard Method of Test for

Using a Quartering Apparatus to Reduce Asphalt Mixtures to Testing Size

SCDOT Designation: **SC-T-93 (7/2019)**

1. SCOPE

1.1. This method is used for obtaining the required sample size for testing asphalt mixtures.

2. REFERENCED DOCUMENTS

2.1. South Carolina Test Methods
SC-T 62. SC-T 101

3. SIGNIFICANCE AND USE

3.1. The purpose of this procedure is to reduce asphalt mixtures in field applications to proper testing size. This procedure is used to prevent segregation of mixtures and to ensure that all samples are divided equally, reducing technician variability in reducing samples.

4. APPARATUS

4.1. An approved quartering apparatus (similar to the Gilson's Quartermaster), with smaller pails capable of holding asphalt mixtures.

5. TEST SPECIMEN

5.1. Asphalt Material

6. PROCEDURE

6.1. Obtain a representative sample of asphalt mixture in accordance with SC-T-101: Random Method of Sampling Asphalt Materials and SC-T-62: Sampling of Asphalt Mixtures.

6.2. Invert sample bucket (or bag) into the hopper of the quartering apparatus, as shown in Figure SC-T-93-A, and level. Release lever and allow sample to flow into the four smaller buckets. Pour opposing buckets into a sample bag and label accordingly. Place the other remaining buckets back into the original sample bucket (or bag).

6.3. Repeat step B using the opposite opposing buckets (see Figure SC-T-93-B) until required sample size is obtained.

Figure SC-T-93-A

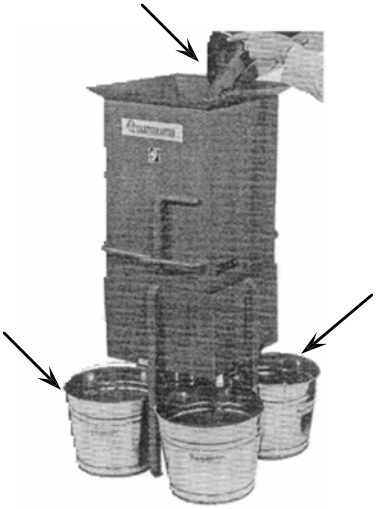

Figure SC-T-93-B

7. CALCULATIONS

7.1 None

8. REPORT

8.1 None