



# Standard Test Procedures Manual

Section: SAMPLING

Subject: SEAL COAT AGGREGATE FROM THE  
ROADWAY

## 1. SCOPE

### 1.1 Description of Test

This method covers the sampling of seal coat aggregate from the roadway.

### 1.2 Lot Size

One lot will consist of 5 lane-km on one control section for one aggregate stockpile. The final lot within one control section/one aggregate stockpile will vary in length from 2.1 to 7.0 lane-km.

### 1.3 Number of Samples

One sample will be taken randomly in each lot.

## 2. APPARATUS AND MATERIALS

### 2.1 Equipment

Laboratory Balance - minimum of ten (10) kg capacity and .2% accuracy.

Sample pans - length 50 cm, width 50 cm, area 0.25 m<sup>2</sup>, depth 8 cm and leg support height 2.5 cm.

Plastic sample bag.

## 3. PROCEDURE

### 3.1 Sampling Procedure

Obtain an aggregate sample by:

Placing the sample pan at the extreme end of the applied seal coat when the spreader stops to change trucks, or by

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Placing the sample pan ahead of the spreader on the freshly sprayed emulsion (Note: a small amount of aggregate may be spread on the area where the pan is placed to prevent the emulsion from sticking to the sample pan).

Note: for either method, the sample pan must be placed in such a position that the truck wheels and spreader clear the pan. In addition, the spreader must attain the calibration/design speed at the sampling point.

#### 4. RESULTS AND CALCULATIONS

Measure the aggregate sample mass.

Record the following data on the Seal Coat Daily Production Form:

- aggregate mass in kg
- area of the sample pan m<sup>2</sup>
- aggregate application rate in kg/m<sup>2</sup> (record to 0.1 accuracy)
- control section
- sample location (km and lane)
- sample number

Place the aggregate sample in the sample bag for future testing if required.

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## APPROVAL SHEET

New X Revision    Date of Previous Document   -  Effective Date:   -  

Description of Revision (Reason for Revision):

New test procedure.

Review/Implementation Process:

Lab Supervisors Committee

Other Manuals/Policies Affected:

Nil

Follow Up/Training Required:

Nil

Comments/Concerns/Implications (Budget/Environment/Stakeholders):

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Quality Control Engineer DateApproval Recommended by R.A. Widger 93-10-25  
Senior Materials Engineer DateApproval Recommended by A.R. Gerbrandt   -    
Dir., Technical Standards & Policies Br. DateApproved by D.G. Metz 93-10-27  
Assistant Deputy Minister, Infrastructure DateElectronic File Updated 93-11-01Update Mailed   -