ATT-46/95 CALIBRATION OF AGGREGATE SPREADER

1.0 SCOPE

This method describes the procedure for determining the aggregate application rate in kg/m^2 of spreaders used in the application of surface treatments, seal coat chips and slurry seals.

2.0 EQUIPMENT

log book
pencil
calculator

3.0 PROCEDURE

1. Record the station where the spreader has stopped after a truck load of aggregate has been spread.

2. Obtain the weight of the aggregate contained in the next three trucks from their respective haul cards. Add the figures to get the total weight of aggregate spread.

3. When the load of the last truck has been spread, record the exact station of the spreader.

4. Determine the distance spread by calculating the difference between the initial and final stations.

5. Calculate the area covered as follows:

   Area Covered (m^2) = Distance Spread x Width of Spread

6. Determine the rate of spread in kilograms per square metre using the formula:

$$Spread\ (kg/m^2) = \frac{Total\ Weight\ of\ Aggregate\ Sp}{Area\ Covered\ (m^2)}$$

7. Adjust the spreader thickness controls if required, and repeat the procedure.

4.0 HINTS AND PRECAUTIONS

1. Ensure that the spreader controls are not adjusted during the calibration.