1. SCOPE

1.1 Description of Test

This method describes the sampling of the subgrade for California Bearing Ratio (C.B.R.). The resulting information is used for pavement design thickness.

2. APPARATUS AND MATERIALS

2.1 Equipment Required

A suitable rig equipped with a 150 mm auger.

Large cotton bags (with tags).

3. PROCEDURE

3.1 Test Procedure

Take a 35 kg sample at every third group index sample location, spacing may be increased on projects where the material is found to be very uniform. The district materials engineer or his designate will advise on the spacing of sampling.

Extreme care must be taken to ensure the sample is not contaminated with prepared Subgrade material (top 5 - 15 cm).

Take a group index sample and C.B.R. sample from the same hole. The group index sample is taken first, then enlarge the hole to obtain the C.B.R. sample. Ensure neither sample is contaminated from loose surface materials.

Record control section, station and offset at which the sample was taken on two tags. Place one tag inside the bag and attach the other to the outside of the bag.

Keep samples dry while stored in the field and transport to the district lab at earliest opportune time. A special trip is not required.
4. RESULTS AND CALCULATIONS

4.1 Reporting Results

Record control section, hole number, stationing and offset for further testing as proctor density is completed in the district lab and the C.B.R. testing is completed at the central lab in Regina.

5. ADDED INFORMATION

5.1 General

Refer to diagram in STP 104-5 for sampling procedure.

C.B.R. sampling is required on all subgrade types with the exception of clean sands.
# APPROVAL SHEET

New __ Revision _X__ Date of Previous Document __82-04-01__
Effective Date: __-__
Description of Revision (Reason for Revision):
  __Format of test procedure updated__.

Review/Implementation Process:  
  __Reviewed by the Materials Section of the Technical Standards and Policies__
  __Branch__.

Other Manuals/Policies Affected:
  __Nil__

Follow Up/Training Required:
  __Nil__

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

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Electronic File Updated __-__
Update Mailed __-__