1. **SCOPE**

The method described determines the retained Marshall stability on Marshall compaction specimens after curing for 24 hours in a water bath at 60° C.

2. **APPARATUS AND MATERIALS**

2.1. **Equipment Required**

A water bath capable of maintaining a temperature at 60° C.

2.2. **Materials Required**

Six Marshall compaction specimens prepared in accordance with STP 204-8, PREPARATION OF MARSHALL COMPACTION SPECIMENS. The specimens shall be at the optimum asphalt content and design gradation.

3. **PROCEDURE**

3.1. **Test Procedure**

Determine density and air voids on each mold using STP 204-21, DENSITY AND VOID CHARACTERISTICS. Then select two sets of three molds, each having average equivalent properties.

Set three molds aside at room temperature and put three molds in a water bath at 60° C for 24 hours.

Run normal stability tests on each mold using STP 204-11, MARSHALL STABILITY AND FLOW, and average the results for each set. The three Standard Stability Specimens shall be conditioned as outlined in STP 204-11 at the end of a 24 hour waiting period.

4. **RESULTS AND CALCULATIONS**

4.1. **Calculations**

\[
\text{Retained Stability} = \frac{\text{Soaked Stability}}{\text{Standard Stability}} \times 100
\]
APPROVAL SHEET

New __ Revision _X_ Date of Previous Document 90-05-10
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):

Prepared and Recommended by D. MacLeod ____________ 93-03-01
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Approval Recommended by R.A. Widger ____________ - -
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Assistant Deputy Minister, Infrastructure Date

Electronic File Updated - -
Update Mailed - -