MANUAL COMPACTION HAMMER VERIFICATION PROCEDURE #21

Revised 4/24/2002

Equipment Checked: MANUAL HAMMER (AASHTO T 245)

Purpose:

This method provides instructions for checking the critical dimensions of the hammer used for compacting plugs.

Inspection Equipment Required:

- 1. Calipers readable to 0.001 inch.
- 2. Tape measure readable to 1/16 inch.
- 3. Balance, capacity 5 kg, readable to 1 g.

Tolerance:

Equipment shall meet the dimensional tolerance specified in the applicable test method.

Procedure:

- 1. Measure and record the diameter of the hammer face determined by taking two readings 90 degrees apart using the calipers.
- 2. Pull up the handle, measure and record the drop height of the hammer. Determine this height inside the guide-sleeve using the tape measure.
- 3. Remove the hammer from the guide-sleeve. Determine and record its mass to the nearest 1 g.
- 4. Measure and record the diameters of the vent holes near the end of the hammer.

EQUIPMENT CALIBRATION RECORD

Calibration Procedure No. 21 Manual Hammer (AASHTO T 245)

Date:	Calibrated by:
Previous Calibration Date:	Next Due:
Frequency: 12 months	
Action Recommended:	
Repair Replace None	eOther
Calibration Equipment	Serial Number
Balance	
Calipers	

AASHTO SPEC.	98.4 mm ± 1.0	4527 g. – 4545 g.	18 inches ± 0.06 free fall
Hammer I.D.	Dia. of face	Sliding weight	