

**LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT
VERIFICATION PROCEDURE**

**MANUAL HAMMER
(SOILS)
(AASHTO T99, T180)**

EQUIPMENT

1. Calipers 18 inches in length and readable to 0.001 inch.
2. Tape measure readable to 1/16 inch.
3. Balance, capacity 5 kg, readable to 1 gram.

PROCEDURE

1. Measure and record the diameter of the rammer face determined by taking two readings 90° 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. Removed the hammer from the guide-sleeve. Determine and record its mass to the nearest gram.
4. Measure and record the diameter of the vent holes near the end of the hammer.
5. Measure and record shaft thread. Threads must be a minimum of 2 inches.

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

VERIFICATION OF
MANUAL HAMMER
Verification procedure used: DOTD A11

Verification Frequency: 12 Months

Previous verification date:

Date of verification:

Next verification due:

Identification no.:

Mfg. /distributor: N/A

Verified by:

Verification equipment used:

Diameter of rammer face				Weight of hammer drop			
				lbs			
				5.50 lb. must be (5.50 ± 0.02 lb.)			
Average diameter of rammer face				10.00 lb. must be (10.00 ± 0.02 lb.)			
				Drop height of hammer			
Diameter must be (2.000 ± 0.01 in.)							
Is face of rammer flat				12 in. must be (12 ± 0.06 in.)			
	Yes		No	18 in. must be (18 ± 0.06 in.)			
Is hammer equipped with a guide sleeve				Is hammer fall unrestricted			
	Yes		No		Yes		No
Diameter of vent holes							
_____ mm		_____ mm		_____ mm		_____ mm	
Guide sleeve must have a minimum of 4 vent holes, each a minimum 3/8 in. Diameter							

Action recommended: Repair _____ Replace _____ None _____

Comments: _____