

## EQUIPMENT VERIFICATION PROCEDURE

### WEIGHTED FOOT ASSEMBLY (AASHTO T176)

#### I. EQUIPMENT

- A. Calipers, 12" length, readable to 0.005"
- B. Calipers or ruler, approx. 24" length, readable to 0.125"
- C. Balance accurate to 1 g, with capacity of 1005 g.

#### II. PROCEDURE

- A. Verify weight of assembly by placing on balance and reading to nearest gram. Record weight on worksheet.
- B. Verify overall height of assembly using 24" ruler, and record to the nearest 0.125".
- C. Verify the dimensions of the weight at the top of the assembly, and record the reading(s) to the nearest 0.005".
- D. Verify the position of the Sand Reading Indicator on the rod using the calipers, and record the reading to the nearest 0.015"
- E. Verify the dimensions of the Sand Reading Indicator, and record the reading(s) to the nearest 0.005".
- F. Verify the dimensions of the foot of the assembly, and record the reading(s) to the nearest 0.005".
- G. Record the Identifying Number of the Assembly on the Worksheet.

**STATE OF LOUISIANA  
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT**

**VERIFICATION OF  
WEIGHTED FOOT ASSEMBLY**  
verification procedure used: DOTD A22

Verification frequency: 12 months                      Previous verification date: \_\_\_\_\_  
 Date of verification: \_\_\_\_\_                      Next verification due: \_\_\_\_\_  
 Identification no.: \_\_\_\_\_                      Mfg./distributor: \_\_\_\_\_  
 Verified by: \_\_\_\_\_                      Verification equipment used: \_\_\_\_\_

<b>DIMENSIONS</b>		
Weight of assembly		Weighted to nearest 1 gram
Overall height of assembly		Read to nearest 0.125 in.
Diameter of rod		Read to nearest 0.001 in.
Diameter of Weight		Read to nearest 0.001 in.
Height of weight		Read to nearest 0.001 in.

<b>SAND READIG INDICATOR</b>		
Distance from foot bottom		Read to nearest 0.005 in.
Diameter		Read to nearest 0.001 in.
Thickness of lip		Read to nearest 0.001 in.

<b>FOOT</b>		
Diameter		Read to nearest 0.001 in.
Thickness		Read to nearest 0.001 in.
Distance across hexagonal face point to point		Read to nearest 0.001 in.

Recommended action:    repair \_\_\_\_\_    replace \_\_\_\_\_    other \_\_\_\_\_    none \_\_\_\_\_

Comments: \_\_\_\_\_