

# LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT VERIFICATION PROCEDURE

## TIMERS

(AASHTO T72, T201, T202) (ASTM D88, D2170, D2171)

### Equipment

1. Timer, readable to 0.1 second, having a verified accuracy within the tolerance listed in the above test methods.

### Procedures

1. Start the timers simultaneously by pressing the start at the same time.
2. Run the timers for a minimum of 20 minutes and stop simultaneously.
3. Record the two readings and calculate the percent accuracy.

**EQUIPMENT VERIFICATION RECORD**

Inspected By: \_\_\_\_\_ Date \_\_\_\_\_  
Apparatus: **TIMERS (30 minutes 1/5 sec)** Make: \_\_\_\_\_  
Identification No.: \_\_\_\_\_ Verification Freq. \_\_\_\_\_ MO.  
Previous Verification Date: \_\_\_\_\_ Next Due Date: \_\_\_\_\_

Verification Equipment Used: FISHER ELECTRONIC DIGITAL STOPWATCH  
SERIAL NO. 840620 CERTIFIED

Verification Procedure: AASHTO T-88

Verified Timer Reading: \_\_\_\_\_ Timer Reading: \_\_\_\_\_  
(sec) (sec)

**CALIBRATION**

$$\% \text{ Accuracy} = \frac{(A-B)}{B} \times 100$$

A = Reading on lab timer (sec)  
B = Reading on verified timer (sec)

**% Accuracy:** \_\_\_\_\_

AASHTO TOLERANCES: MUST HAVE A SWEEPING SECOND HAND.  
ACCEPTABLE TOLERANCE - 0.1%. FIELD TOLERANCE - 0.3%.

Action Recommended: APPROVED \_\_\_\_\_ Replace \_\_\_\_\_ None \_\_\_\_\_

Comments \_\_\_\_\_  
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