

**LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
SPECIFICATIONS**

**Annual Calibration & Certification
Universal Testing Machines and Extensometers**

All calibrations shall be completed between July 1 & July 30. All calibrated equipment listed below shall be issued a certificate of calibration and a certification decal.

- I. The following equipment shall be calibrated as per ASTM E4:
 - Tinius Olsen 400,000 lbf Super “L” Universal Testing Machine with 602 controller (S/N 222206)
 - Tinius Olsen 120,000 lbf Super “L” Universal Testing Machine with 602 controller (S/N 320726)
 - Tinius Olsen 120,000 lbf Universal Testing Machine with computer display (S/N 177610)
 - Tinius Olsen 60,000 lbf U300SL Universal Testing Machine (S/N 332931)
 - Tinius Olsen 50ST Universal Testing Machine (S/N ST-AF-00705GB)
 - Instron Model 4443 Universal Testing Machine (S/N 18521) (System ID 4443P5546)

- II. The following extensometers shall be calibrated as per ASTM E83, Class B-1 to the Tinius Olsen 400,000 lbf Super “L” Universal Testing Machine (S/N 222206) and the Tinius Olsen 120,000 lbf Super “L” Universal Testing Machine (S/N 320726) each machine with a 602 controller (Display):
 - 2 Inch Extensometer
 - 2 Inch Extensometer
 - 8 Inch Extensometer
 - 8 Inch Extensometer
 - 24 Inch Extensometer
 - 24 Inch Extensometer

- III. The following extensometers and strain head shall be calibrated as per ASTM E83, Class B-1 to the Tinius Olsen 60,000 lbf SL300 Universal Testing Machine (S/N 332931) with computer display:
 - 1 Inch Extensometer
 - 2 Inch Extensometer
 - Omega LC414-6K 6,000 lbf

- IV. The following extensometer shall be calibrated as per ASTM E83, Class B-1 to the Instron Model 4443 Universal Testing Machine (S/N 18521) (System ID 4443P5546):
 - Long Travel Extensometer