

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT VERIFICATION PROCEDURE

WEIGHTS

Purpose:

This procedure provides instructions for checking and calibrating of weights used in conjunction with scales.

Inspection Equipment Required:

1. Certified Weights traceable to NIST.
2. Balance, readable to 0.01 gram for gram weights from 200 grams to 2000 grams.
3. Balance, readable to 0.0001 gram for gram weights from 0 to 200 grams.
4. Scale, readable to 0.01 pound for all pound weights.

Tolerance:

The weight is read identical to the certified weight on the balance or scale being used. The correction is the one that is stated for the certified weight used.

Procedure:

1. Clean and polish weight.
2. Place certified weight on balance and read as accurate as possible.
3. Place weight to be calibrated on balance and adjust weight to read identical to certified weight by adding or subtracting weights.
4. After completing adjusting and cleaning the weight, check both the weight and the certified weight to be sure both readings are identical.
5. Complete the Weights Calibration Data Sheet and the Certification of Calibration.