

ALABAMA DEPARTMENT OF TRANSPORTATION

DATE: April 18, 2018

Special Provision No. 18-0314

EFFECTIVE DATE: June 1, 2018

SUBJECT: Weight {Mass} Measurements.

Alabama Standard Specifications, 2018 Edition, SECTION 109 shall be modified as follows:

SECTION 109 MEASUREMENT AND PAYMENT

109.01 Measurement of Quantities.

(h) Weight {Mass} Measurements.

1. General.

The term "ton" shall mean the short ton {metric ton} consisting of 2,000 pounds avoirdupois {1000 kg}.

Scales furnished by the Contractor shall meet all requirements currently adopted by Alabama Department of Agriculture pertaining to weighing or measuring devices.

Scales shall be tested and inspected by a service agent currently registered with the Alabama Department of Agriculture. The time between inspections shall not exceed six months. In addition, any time a plant is moved or substantially modified, the scales shall be inspected. The inspection report shall be uploaded to the Alabama Department of Agriculture's reporting website and a copy sent to the Area in which the scale is located. It is the Contractor's responsibility to ensure weighing devices are maintained in proper working condition during use. Devices that are found to be out of compliance will not be used until such time corrections are made to comply with regulations and they are recertified. The Engineer will reject them for use on the project until they are recertified. Weights {Masses} above the acceptable capacity of a set of scales will not be acceptable.

2. Weight {Mass} Measure for Pay Purposes.

If material is shipped by rail, the car weight {mass} may be accepted provided that only the actual weight {mass} of material is paid for and is certified by a car weight {mass} obtained from a certified scale after the unloading. However, car weights will not be accepted for steel reinforcement, structural steel or materials that are to pass through a mixing plant.

Trucks used to haul material being paid by weight shall be measured empty daily, with the driver in the truck, to establish a daily tare weight. Each truck shall also bear a plain legible identification number.

Commercial materials, except reinforcing steel and structural steel, which are measured by weight {mass} for pay purposes shall be measured by a qualified "Weighmaster*" using acceptable weight tickets. As a minimum, the weight ticket shall contain the following:

- 1) Name of the Contractor and material producer.
- 2) Project Number and County.
- 3) Truck number.
- 4) Contract item number and item name.
- 5) Date and time of loading.
- 6) Gross, tare, and net weights.
- 7) Weighmaster's signature. (May be electronically generated).

- 8) Any additional information as required of the Contractor or material producer for participation as a Qualified Source as given in the Department's "Materials, Sources and Devices with Special Acceptance Requirements" manual unless furnished on a separate applicable BMT Certificate of Compliance.

For measurement systems capable of measuring net weight directly from the measuring hopper, the gross and tare weights will not be required. In lieu of bulk weight, the Department will accept weights of materials normally sold in bagged form (i.e. fertilizers, cement, etc.).

It shall be the sole responsibility of the Contractor to ensure that a weight {mass} ticket is delivered to the project with each load. Weight tickets will not be accepted after the truck has left the project.

*Weighmasters must be qualified in accordance with the provisions of Section 8, Chapter 16, of the Code of Alabama, 1975, or in case of material purchased out of State complying with the appropriate State laws, rules and regulations for Weighmasters of the State involved. A copy of the "Weighmaster's Certificate" shall be furnished the Engineer and additionally a copy shall be displayed in a conspicuous place in the vicinity of the measuring operations.

3. Weight {Mass} Measurement for Proportioning, etc. of Materials.

Scales used for proportioning mixtures within mixing plants shall comply with the following unless otherwise noted:

a. Asphalt Mixing Plants.

Scales shall meet current compliance regulations according to Alabama Department of Agriculture requirements and be visible to the plant inspector on the mixing platform.

b. Concrete Mixing Plants or Units.

Scales shall meet current compliance regulations according to Alabama Department of Agriculture requirements. Separate scales shall be provided for bulk cement and for bulk fly ash, as provided in Article 815.11.

c. Base Course Mixing Plants.

Measuring equipment shall meet the requirements of Sub item b. above with separate bins for each size aggregate and separate bins and scales for additives (calcium chloride, cement, etc.).