

STATE

OF

TENNESSEE

September 8, 2016

January 1, 2021

SPECIAL PROVISION

REGARDING

MEASUREMENT AND PAYMENT

Insert the following before the penultimate paragraph in Subsection 109.01:

In lieu of platform scales, a computer controlled weighing system connected to the hydraulic lifting system on front end loaders, or similar machines, may be used for weighing rock materials obtained from the excavation as provided in Subsection 104.09 or from temporary sources established to supply stone solely to the project where approved by the Engineer, subject to the following conditions:

1. The operator of the weighing system shall be a Certified Public Weigher as prescribed in Title 47, Chapter 26, Part 8, T.C.A.
2. The accuracy of the weighing system shall be within 1% \pm .
3. The weighing system shall be checked for accuracy at least once each day, or as often as deemed necessary by the Engineer. Verified weights equal to the capacity of the loading equipment shall be available on the project at all times for checking the accuracy of the weighing system.

With the bucket empty, the zero reading shall be checked each day before any material is loaded and again after one or two trucks are loaded and thereafter as determined by the operator or as directed by the Engineer.

The operation and checking of the weighing equipment shall be in accordance with the recommendations of the manufacturer of the equipment. A copy of the manufacturer's Operators Manual shall be furnished the Engineer prior to beginning weighing operations.

4. If the weighing system exceeds the 1% \pm tolerance during any scale check, use of the weighing equipment shall cease until the scales are brought back within required tolerance.
5. The weighing system shall have a digital display capable of displaying the following:

- a. The weight of each bucket to the nearest 0.01 metric ton (ton) as the material is loaded.
 - b. The accumulated weight loaded into each hauling unit.
 - c. The total of the accumulated weights recorded on each sheet or roll of the printout (see Item No. 7 below).
6. The computer controlled weighing equipment shall be capable of printing weigh tickets on a continuous sheet or roll which provides the following data:
- a. Item number for rock material being weighed.
 - b. Identification number for haul unit. (Each haul unit shall have an identification number prominently displayed.)
 - c. Date and time each haul unit is loaded.
 - d. Weight of rock material in each bucket weighed to nearest 0.01 metric ton (ton).
 - e. Total weight of rock material in each haul unit.
 - f. Total weight loaded during each shift or other unit of time as may be requested by the Engineer.
7. The weigh tickets will not accompany each haul unit to the placement site but will be retained on the printout in the loading unit; and the original printout shall be given to the Engineer's representative at the conclusion of the day's work, or upon request. Each continuous sheet or roll, or portion thereof, shall have the Certified Weigher's stamp affixed along with his/her signature.
8. The Department's Inspector at the delivery site will visually inspect each load and keep a record of the haul unit number and time of arrival. In the event a discrepancy between weigh tickets and the Inspector's record arises, the Inspector's record shall govern.
9. Under normal operations the computer controlled weighing system shall be capable of calibration by means of the programming buttons, switches or keys on the control panel or keyboard without resorting to internal adjustments.
10. If at any time the Engineer deems that the computer controlled weighing system is not performing satisfactorily, he will direct the Contractor to discontinue its use and weigh the rock material on platform scales as described above in this Subsection.