NC Weight Laws Reference

Portable Scales

- All pads will be placed on one side for weighing the left side of a truck and then pads will be moved to weigh the other side of the truck. RMC trucks can only be weighed via portable scales by "rocking" the truck.
- Officer should have adequate scales to weigh all axles on one side
- Average size of portable scale is 18”x18”

Weigh In Motion Scales

- Two tracks will be set out so that both left and right side axles can be weighed at the same time.
- Avg length of WIM scales are 14’ so the entire truck will not fit on the scales at one time.
- Screening is the process of having you drive across the scales for weight - a ticket can not be written under this action with the truck weighed in "dynamic" mode.
- In order to write a ticket off a WIM scale the truck must be weighed in "static" mode and the drum must be allowed to stop.

Driver Procedure Reference

Driver Name: _________________________________________________________________________________________
Date: ______________________  Time: ______________________  Truck #: ______________________
Location: _____________________________________________________________________________________________
Type of Scale (circle one):          Portable Scale          Weigh In Motion Scale
Drum (circle one):          Allowed to Stop          Denied Ability to Stop
Auxiliary Axle Pressures: ________________  ________________  ________________
Notes/Comments:
NC Weight Laws

Senate Bill 749, effective July 1, 2012
SECTION 13. G.S. 20-118(c)(16) reads as rewritten:
"(16) Subsections (b) and (e) of this section do not apply to a vehicle or vehicle combination that meets all of the conditions below, but all other enforcement provisions of this Article remain applicable:
   a. Is hauling unhardened ready-mixed concrete.
   b. Does not operate on an interstate highway or a posted light-traffic road, or exceed any posted bridge weight limits.
   c. Does not exceed a maximum gross weight of 66,000 pounds on a three-axle vehicle with a single-axle Has a single steer axle weight of no more than 22,000 pounds, and a tandem-axle weight of no more than 46,000 pounds.
   d. Does not exceed a maximum gross weight of 66,000 pounds on a three-axle vehicle with a length of at least 21 feet between the center of axle one and the center of axle three of the vehicle.
   e. Does not exceed a maximum gross weight of 72,600 pounds on a four-axle vehicle with a length of at least 36 feet between the center of axle one and the center of axle four. The four-axle vehicle shall have a maximum gross weight of 66,000 pounds on axles one, two, and three with a length of at least 21 feet between the center of axle one and the center of axle three.
For purposes of this subdivision, no additional weight allowances as found in this section shall apply for the gross weight, single-axle weight, and tandem-axle weight, and the tolerance allowed by subsection (h) of this section shall not apply."

*Excludes low tonnage bridges

Senate Bill 145, effective July 1, 2018
STATIC WEIGHING OF READY-MIXED CONCRETE TRUCKS
SECTION 16.5. G.S. 20-118 is amended by adding a new subsection to read: "(l) A vehicle or vehicle combination that hauls unhardened ready-mixed concrete may be weighed with weigh in motion scales, but the vehicle or vehicle combination must be weighed static, allowing the drum to come to a complete stop."

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**Total Length**
- 1-6
- 1-5
- 1-4
- 1-3
- 1-2

- A single axle is an axle that is more than 96" from the closest axle.
- An axle grouping is any series of axles that are more than 40" apart and no greater than 96" apart
- Outer Bridge = Axles 1-6
- Inner Bridge = Any series of axle groupings