

FORM 501



GOVERNMENT OF NEWFOUNDLAND AND LABRADOR
Department of Transportation and Works
Highway Design Division

SECTION 501 WEIGHING MATERIALS IN TRUCKS

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501.01 SCOPE

This specification covers the Department's requirements for weighing materials in trucks for those instances where payment is based on the weight of the material.

501.02 GENERAL

Where the contract includes items that require measurement for payment by weighing, the Contractor, as part of the work to be carried out under these items, shall provide, install, and maintain as necessary, truck weigh scales meeting the requirements of the Government of Canada Weights and Measures Act and Regulations, and also the requirements of this specification. On completion of the work, the Contractor shall remove temporary scales and scale ramps and clean up and trim the site on which the scale was located.

501.03 LOCATION

Scales for weighing hot mix asphaltic concrete shall be located at a site convenient to the asphalt plant. Scales for weighing other materials shall be installed at locations selected by the Contractor subject to the approval of the Engineer.

When, for the above locations, in the opinion of the Engineer, there is a waste or loss of material between the point of origin and the materials intended destination on the contract, the hauling operation may be terminated by the Engineer until the Contractor has, at his own expense, provided on a site approved by the Engineer, a scale which is close enough to the intended destination to preclude the possibility of waste or loss.

501.04 WEIGH SCALES

The scales shall be of such capacity to accurately weigh any single loaded truck arriving on the site. The contractor is advised that split weighing will not be permitted under any circumstances. The vehicle being weighed must be fully supported by the scale platform. Split or axle weighing is a method to be used only for highway weight restriction control.

The scale shall be equipped with a portable scale house complete with furniture and adequate provision for heat and light.

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Scale house and furniture shall be of a standard not less than that shown on the Department's Portable Scale House plan which is shown in Section 1202 for Beam type Scales and Section 1204 for Electronic Scales. Should the Contractor wish to supply a scale house or furniture other than that shown on the plan then prior written approval by the department will be required before substitution may be made.

Scales may not be used for weighing materials on the contract unless the scale house heater and lights are in working order.

The Contractor shall periodically clean the scale house and maintain all lights and heating in good working condition at all times when the scales are in use. The lights shall provide adequate lighting for general office work and the heater must be able to maintain the temperature in the scale house at 20°C.

In order to minimize the effect of impact loads on the scale adjustment and to reduce the effect of vehicle braking and kickback on the scale platform and scale adjustments, the approach ramp shall be constructed on a straight and level grade at the same elevation as the scale platform, for a distance at least equal to the length of the scale platform. Vehicles shall enter and leave the platform at a speed not exceeding 8 km/h.

The scale platform and mechanism shall at all times be maintained clean and free from encumbrances such as gravel, asphalt, snow, and ice.

Scale houses must be equipped with suitable washroom facilities that meet the OHS Act and Regulations under Sections 61 and 62 of the Regulations. These facilities must be located within 100m of the scale house.

These facilities must be provided for use of the Department of Transportation and Works employees only for the duration of the project while scales are being used. Other accommodations must be provided for contractors/subcontractors personnel.

The sanitary provisions shall be in accordance with the various Provincial Government and Municipal Government Regulations.

If portable toilets are used they must be a minimum of 2m (height) x 1m x 1m and must be approved by the Government Service Center. The contractor shall transport the waste from these units, using a collection company (whenever possible) licensed by the Government Service Center.

Toilet facilities must also be approved by the Resident Engineer. These facilities must be cleaned twice weekly and in the case of a portable toilet, emptied of sewage as well. Contractor must also supply toiletries for the facility. Also, adequate and suitable provisions for washing (hot and cold water, soap, towels OR ample supply of hand sanitizer liquid) must be included with the facility. The door to the facility must contain a lock and key and shall be provided to the Resident Engineer.

All associated costs to provide and maintain the sanitary provisions as outlined above shall be considered incidental to the cost of weighing materials in trucks.

501.05 TESTING AND CERTIFICATION

The Contractor shall engage an independent company to test and certify the weigh scales in accordance with the current acts and regulations of Measurement Canada.

All scales shall be tested by the proper authority at the Contractor's expense after each set-up and prior to use on every contract. After certification, the Contractor must provide, to the Engineer, a certificate of compliance from the scale testing company before the scales may be used.

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When considered necessary by the Engineer, the Contractor shall have the scales re-tested and re-certified.

The re-testing shall be at the Contractor's own expense.

501.06 DETERMINING TRUCK TARES

When scales are being used on the contract, the tares of the hauling vehicles will be determined randomly at least once daily, and more frequently if required by the Engineer. Vehicles which are being weighed for the tare shall contain the normal hauling complement of driver and accessories such as spare tires and tools.

501.07 WEIGHING COSTS

The Contractor shall supply a scale operator to take measurements for weights. However, Department representatives may also operate the scales and take measurements for weights whenever the Engineer sees fit during weighing operations.

Should the Contractor use a scale with electronic controls and readings, the Department may forgo the requirement for the Contractor to provide a scale operator.

All costs of providing, installing, maintaining, and finally removing weigh scales complete with scales and furniture, together with all costs of testing and certification in accordance with this specification shall be borne by the Contractor as part of the work to be carried out at the contract price for items which are measured by weighing.

The Department shall not be liable for claims caused by delays in testing or certification of the scales.

501.08 USE OF WEIGH SCALES BY ENFORCEMENT OFFICERS

Weigh scales, during weigh scale operating hours, shall be at the disposal of Police Officers and Highway Enforcement Officers of Service NL for the purposes of checking the various weights of vehicles hauling materials for use on this contract or on any departmental or private work the Contractor may undertake.