

SPECIFICATION FOR WEIGH SCALES

## 170. 1. SCOPE

These Specifications govern all operations for and pertaining to supplying, installing and maintaining truck weigh scales.

## 170. 2. SCALES

## 2.1 Supply

The Contractor shall supply weigh scales and calibrated weights when:

- i) material provided by the Department and received by the Contractor at the site requires weighing to verify quantity.
- ii) the terms of the Contract require aggregate or material to be measured by weight.

Separate scales may be required when two or more different types of material measured by weight are being hauled simultaneously. At least one set of calibrated weights shall be located on the project convenient to the work.

**2.2 Type and Capacity**

Each weigh scale shall be of an approved type with a remote indicating beam.

Each scale shall be of sufficient capacity and length to weigh in one operation any truck, or truck and trailer combination, hauling material to be paid for by weight as a contract item.

Scales shall be equipped with metric scale heads.

**Belt scales which are certifiable for trade by Weights and Measure Inspection Services are acceptable for weighing aggregate being placed into a stockpile.**

## 2.3 Location

Scales shall be located as specified in the applicable Specifications or in the Special Provisions. When not specified, scales shall be located at sites approved by the Engineer.

## 2.4 Foundation

The foundation and ramp for the scale shall be adequate to support the largest load to be scaled. Retaining walls at each end of the scale shall prevent the ramp from binding against the scale platform. Each ramp shall be constructed straight and to the same elevation as the scale platform for a distance equal to at least the length of the platform.

The scale platform and mechanism shall be kept clean and maintained free of gravel, mud, snow and ice.

## 2.5 Certification

The Contractor shall provide evidence that scales and calibrated weights have been certified for the current calendar year by the Weights and Measures Services of the Government of Canada before the scales will be accepted for use.

## 170. 2.5 Certification (Cont'd)

Where the scale has not been certified for the current fiscal year, the Engineer may test the scale using procedures specified by Weights and Measures Inspection Services and approve the scale for use on this project.

## 2.6 Field Testing

Scales shall be field tested by the Contractor on a regular basis, and as requested by the Engineer, using procedures specified by the Weights and Measures Inspection Service. If subsequent testing of the scale by the Weights and Measures Inspection Service is required, it shall be performed at the expense of the Contractor.

## 2.7 Operation

The Engineer will direct the operation of the scale and issue weigh tickets showing gross, tare and net weight for each load of material. The tare weight shall be established when hauling begins on a project, and thereafter as frequently as directed by the Engineer.

In the event that material provided to the Contractor by the Department is delivered at a time when the Department scaleperson is not on duty, the Contractor shall verify the quantity delivered by weighing the hauling vehicle before and after unloading. These weights shall be recorded on the delivery slip which shall be given to the Engineer the next working day.

## 170. 3. SCALE HOUSE

Each scale shall be equipped with one well constructed weatherproof scale house, having minimum floor dimensions of 1.8 m x 2.4 m. The walls shall be at least 2.13 m high. A wooden door, screen door and step shall be located either on the wall opposite to approaching trucks or on the wall farthest away from the scales.

A screened window facing approaching trucks shall have an area of at least 0.46 m<sup>2</sup> and shall be capable of being opened. A window facing the scale shall have an area of at least 0.74 m<sup>2</sup>. Provision shall be made in the window to allow the checker to pass the scale ticket directly to the trucker.

The walls, floor and ceiling shall be insulated. There shall be a controllable approved (Department of Labour) heating unit to maintain the temperature above 18°C. A suitable table and chairs shall be provided.

A fully charged fire extinguisher with a minimum size of 2.3 kg., rated ABC, shall be supplied and conveniently located on the wall.

The Contractor shall provide adequate lighting on the scale, the ramps and in the scale house when hauling or receiving goods over the scale during darkness.

## 170. 11. BASIS OF PAYMENT

No direct payment will be made for providing scales, scale buildings, heating fuel or other items necessary or incidental thereto, as herein described, all of which will be considered incidental to the operations being performed.