



4315 - SPECIFICATION FOR REPLACING GRAVEL IN PLACE ON HAUL ROADS

4315.1 DESCRIPTION

- 4315.1.1 The work shall consist of replacing gravel on haul road(s) that was displaced during haul under the Contract. The applicable haul roads will be as shown on the Plans and/or those that are designated by the Engineer.
- 4315.1.2 This Specification applies to gravel that is placed on haul road(s) after all haul on a haul road under the Contract is complete.
- 4315.1.3 The amount of gravel to be replaced on haul road(s), if any, shall be determined in accordance to General Provision 1300.7, Repair and Maintenance of Haul Roads.

4315.2 MATERIAL

- 4315.2.1 The gravel may be obtained from sources shown on the Plans, Department stockpile(s) when permitted in the Special Provisions, or from sources arranged by the Contractor.
- 4315.2.2 The gravel obtained from sources other than Department stockpiles shall be composed of fragments of durable rock free from undesirable quantities of soft or flaky particles, loam, and organic or other deleterious material. The gravel used will be subject to the Engineer's approval and generally shall comply with the following gradation requirements:

Nominal Sieve Opening	Percent by Weight Passing Canadian Metric Sieve Series
22.4 mm	100
5.0 mm	50 - 85
2.0 mm	30 - 70

- 4315.2.3 Gravel in the deposit may be crushed but a screened product will be accepted. If a crushed product is produced, all rock passing a 610 millimetre square opening screen and larger than the maximum specified size shall be crushed.

4315.3 CONSTRUCTION

- 4315.3.1 Overburden shall be removed in accordance with Specification 2260 For Removal Of Overburden.
- 4315.3.2 Gravel shall be hauled in accordance with Specification 2405 For Haul On The Basis Of The Kilometre.
- 4315.3.3 Gravel shall not be replaced until all haul under the Contract on a haul road is complete. Interim maintenance gravel required on a haul road is the responsibility of the Contractor.
- 4315.3.4 The gravel shall be dumped and spread uniformly on the portions of the haul roads requiring gravel at the rate(s) per kilometre designated by the Engineer. The Contractor shall replace the gravel on haul roads within 15 days of the completion of all hauling on the haul roads or as designated by the Engineer.
 - 4315.3.4.1 The amount of gravel to be replaced on individual haul roads does not have to be applied at a uniform rate over the entire length of haul road(s). It can be placed in concentrated or separate sections.
- 4315.3.5 The Contractor shall be responsible for the accommodation of traffic in accordance with Specification 8400 For Traffic Accommodation And Safety until the gravel has been spread.

4315.4 MEASUREMENT

4315.4.1 Replacing Gravel In Place On Haul Roads will be measured in cubic metres in the vehicle.

4315.4.2 The method of determining the quantity of Replacing Gravel In Place On Haul Roads will be as follows:

4315.4.2.1 The Contractor shall be responsible for the quantity of gravel to be replaced as determined by multiplying the tonnes or cubic metres of material to be hauled over the road by the length of the haul road in kilometres and by 0.0015. The quantity of gravel that the Contractor shall be responsible for replacing on any individual haul road shall not exceed an average of 60 tonnes or 35 cubic metres per kilometre of haul road.

4315.4.2.2 The quantity of Replacing Gravel In Place On Haul Roads will be calculated by subtracting the quantity the Contractor is responsible for, as calculated above, from the total quantity of gravel placed on the haul road(s) after hauling is complete.

4315.5 PAYMENT

4315.5.1 Payment for Replacing Gravel In Place On Haul Roads will be at the contract unit price per cubic metre and will include compensation for all work.