

Specification For Granular Backfill At Bridges - 6610

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1 GENERAL

1.1 Description

1.1.1 The Work shall consist of placing granular backfill in accordance with this specification, and at the locations and to the lines and grades shown on the plans.

2 MATERIALS

2.1 The material for granular backfill shall be supplied by the Contractor, and shall comply with the following gradation requirements:

TABLE 6610.2.T1

SIEVE GRADATION REQUIREMENTS

Sieve Designation	Percent by Mass Passing Canadian Metric Standard Sieves
50 mm	100
18 mm	55 - 100
5 mm	25 - 100

2 mm	15 - 85
400 µm	0 - 25
71 µm	0 - 5
Plasticity Index	0

3 SAMPLING AND TESTING

- 3.1 The Contractor shall be responsible for testing the granular material to establish conformance to the specifications. The results of these tests shall be provided to the Ministry before this material is used in the work. The Ministry at its discretion may undertake confirmation testing of this material.

4 CONSTRUCTION

- 4.1 Granular backfill shall be placed in horizontal layers not exceeding 150 mm in loose thickness. Each layer shall be uniformly compacted, by means of vibratory hand compaction equipment, to not less than 100 percent of maximum density as determined by STP 205-7 Density-In-Place by Nuclear Gauge. Compacting by puddling or jetting will not be permitted.
- 4.2 No backfill shall be placed until permission has been given by the Ministry.

5 MEASUREMENT

- 5.1 Granular backfill will be measured in cubic metres on the basis of the actual volume in place, within the lines and grades shown on the plans.

6 PAYMENT

- 6.1 Payment will be made at the unit price per cubic metre for GRANULAR BACKFILL AT BRIDGES. The unit price will be full compensation for supply, testing, screening, loading, hauling, dumping, placing and compacting the granular material. It shall also include the cost of the addition of any water necessary to obtain the required density.