



**4500 - SPECIFICATION FOR OIL TREATMENT GRAVEL**

**4500 - 1 DESCRIPTION**

1.01 The work shall consist of crushed gravel placed in a stockpile.

**4500 - 2 MATERIALS**

2.01 The gravel shall be composed of fragments of durable rock free from undesirable quantities of soft or flaky particles, shale, loam, and organic or other deleterious material.

2.02 The crushed gravel shall comply with the following gradation requirements or as specified in the special provisions:

Nominal Sieve Opening	Percent By Weight Passing Canadian Metric Sieve Series		
	Type		
	111	112	113
22.4 mm	100	-	-
18.0 mm	-	100	-
16.0 mm	-	-	100
5.0 mm	40 - 70	45 - 75	50 - 80
2.0 mm	25 - 50	25 - 55	30 - 60
400 µm	10 - 25	10 - 25	15 - 30
71 µm	0 - 15	0 - 15	7 - 15

2.03 To comply with the gradation requirements for Type 113 oil treatment gravel, the Engineer may designate that binder, filler, and/or blender sand be added at the crushing plant using a separate conveyor system.

2.04 Type 111 and 112 crushed gravel will not be accepted unless permitted by the special provisions.

**4500 - 3 CONSTRUCTION**

3.01 Overburden shall be removed from material deposits in accordance with the requirements for Removal of Overburden (Specification 2260).

3.02 Materials shall be handled in a manner such that segregation of the coarser and finer fractions will not occur.

3.03 Binder, filler and blender sand will be provided in accordance with the requirements for Binder, Filler and Blender Sand (Specification 3400).

3.04 All rock passing a one hundred and sixty (160) millimetre square opening screen and larger than the maximum specified size shall be crushed. Only rotary, shaker, and vibratory screens having square openings not larger than the maximum specified size will be permitted.

- 3.05 Gravel shall be hauled in accordance with the requirements for Haul On The Basis Of The Kilometre (Specification 2405).
- 3.06 Stockpiles of gravel shall be constructed in accordance with the requirements for Stockpiling Aggregates (Specification 3600).
- 3.07 The Contractor shall be responsible for erecting and maintaining signs in accordance with *Department's standard plans for signing and* the requirements for Traffic Accommodation (Specification 8400).

#### **4500 - 4 MEASUREMENT**

- 4.01 Oil Treatment Gravel will be measured in tonnes.

#### **4500 - 5 PAYMENT**

- 5.01 Payment for OIL TREATMENT GRAVEL will be at the contract unit price per tonne. The unit price will be full compensation for excavating, crushing, screening, loading, and dumping the gravel; *preparing the stockpile site(s), and construction of the stockpile(s).*
- 5.02 Payment for HAULING OIL TREATMENT GRAVEL TO THE STOCKPILE will be at the contract unit price per tonne kilometre in accordance with the requirements for Haul On The Basis Of The Kilometre (Specification 2405). The unit price will be full compensation for hauling gravel.
- 5.03 Payment for OIL TREATMENT GRAVEL IN PLACE IN THE STOCKPILE will be at the contract unit price per tonne. The unit price will be full compensation for excavating, crushing, screening, loading, hauling, and dumping the gravel; *preparing the stockpile site(s), and for constructing the stockpile(s).*
- 5.04 *Payment for binder, filler, or blender sand will be in accordance with the requirements for Binder, Filler and Blender Sand (Specification 3400),*
- 5.05 Payment for removing overburden will be in accordance with the requirements for Removal of Overburden (Specification 2260) except that removing overburden will not be paid for directly, but will be considered a subsidiary obligation of the Contractor under other contract items, if surfacing aggregate(s) are removed from the same material deposit *for placement on the road* under the same contract.