



4140 - SPECIFICATION FOR COLD-MIX BITUMINOUS SURFACE COURSE AGGREGATE

4140 - 1 DESCRIPTION

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

4140 - 2 MATERIALS

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

2.02 The aggregate shall comply with one or more of the following gradation requirements as specified:

Nominal Sieve Opening	Percent By Weight Passing Canadian Metric Sieve Series	
	Type	
	121	122
25.0 mm	-	-
18.0 mm	100	-
16.0 mm	-	100
12.5 mm	80 - 100	-
9.0 mm	-	75 - 100
5.0 mm	45 - 75	50 - 80
2.0 mm	28 - 55	30 - 60
900 µm	19 - 38	23 - 42
400 µm	14 - 28	15 - 30
160 µm	7 - 16	8 - 18
71 µm	5 - 10	7 - 11

2.03 To comply with the gradation requirements above, the Engineer may designate that binder, filler, or blender sand be added at the crushing plant using a separate conveyor system.

4140 - 3 CONSTRUCTION

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

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

3.03 All rock larger than the maximum specified size and which passes a 160 millimetre square opening screen shall be crushed. Only rotary, shaker, and vibratory screens having square openings not larger than the maximum specified size will be permitted. Materials shall be handled in a manner such that segregation of the coarser and finer fractions will not occur.

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

4140 - 4 MEASUREMENT

- 4.01 Cold-Mix Bituminous Surface Course Aggregate will be measured in tonnes.

4140 - 5 PAYMENT

- 5.01 Payment for COLD-MIX BITUMINOUS SURFACE COURSE AGGREGATE will be at the contract unit price per tonne. The unit price will be full compensation for excavating, crushing, screening, loading, and dumping the aggregate; preparing the stockpile site(s), and for constructing the stockpiles.
- 5.02 Payment for HAULING COLD-MIX BITUMINOUS SURFACE COURSE AGGREGATE 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 aggregate.
- 5.03 Payment for COLD-MIX BITUMINOUS SURFACE COURSE AGGREGATE 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 aggregate; 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.