



4160 - SPECIFICATION FOR HOT-MIX BITUMINOUS SURFACE COURSE AGGREGATE

4160 - 1 DESCRIPTION

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

4160 - 2 MATERIALS

2.01 The aggregate 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 aggregate shall comply with one (1) of the gradation requirements (types) in the following table:

Nominal Sieve Opening	Percent By Weight Passing Canadian Metric Sieve Series			
	TYPE			
	70	71	72	73
18.0 mm	100			
16.0 mm		100		
12.5 mm	75 - 100		100	
9.0 mm		75 - 100	84 - 100	100
5.0 mm	40 - 65	50 - 72	60 - 80	80 - 100
2.0 mm	25 - 46	32 - 51	40 - 56	65 - 93
900 µm	17 - 33	21 - 37	26 - 40	50 - 83
400 µm	13 - 25	16 - 27	20 - 30	30 - 70
160 µm	7 - 15	7 - 15	10 - 17	10 - 35
75 µm	3 - 9	4 - 10	5 - 11	5 - 13

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

2.04 Type 72 and 73 aggregate will not be accepted unless permitted by the special provisions.

4160 - 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 passing a one hundred and sixty (160) millimetre square opening screen and larger than the maximum specified size shall be crushed. Only rotary and vibratory screens having square openings not larger than the maximum specified size will be permitted.

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

- 3.05 Stockpiles of bituminous surface course aggregate shall be constructed in accordance with the requirements for Stockpiling Aggregates (Specification 3600).
- 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).

4160 - 4 MEASUREMENT

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

4160 - 5 PAYMENT

- 5.01 Payment for HOT-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(s).
- 5.02 Payment for HAULING HOT-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 HOT-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 removing overburden will be in accordance with the requirements for Removal of Overburden (Specification 2260).
- 5.05 Payment for binder, filler, or blender sand will be in accordance with the requirements for Binder, Filler and Blender Sand (Specification 3400).