



3535 - SPECIFICATION FOR RECLAIMED BITUMINOUS BASE COURSE

3535 - 1 DESCRIPTION

1.01 The work shall consist of a layer of reclaimed crushed bituminous material placed on a prepared surface, at the locations and in conformity with the lines, grades and dimensions shown on the plans or as designated by the Engineer.

1.02 In sections 1, 2 and 3 of this specification the following definitions will apply:

Base aggregate - The reclaimed aggregate before spreading and compacting.

Base course - The reclaimed base aggregate in place on the road during and after spreading and compacting problem.

3535 - 2 MATERIALS

2.01 The base aggregate shall be salvaged from the bituminous surface courses of highways or airports.

2.02 The base aggregate shall be free from undesirable quantities of clay, loam, organic or other deleterious materials.

2.03 Base course must comply with the following requirements.

Sieve Designation	Percent by Weight Passing Canadian Metric Sieve Series			
	TYPE			
	50	51	52	53
40.0 mm	100			
31.5 mm		100		
25.0 mm			100	
18.0 mm				100
71 µm	0 - 15	0 - 15	0 - 15	0 - 15
Plasticity Index	0 - 6	0 - 6	0 - 6	0 - 6

2.04 When the lift of base course is less than eight centimetres (8 cm) the maximum particle size shall not be greater than one-half (1/2) the depth of the lift.

3535 - 3 CONSTRUCTION

3.01 The Contractor may use any construction method to salvage the base aggregate.

3.02 The base aggregate shall not be mixed with the underlying material during the salvage operation.

3.03 All operations in the handling of materials shall be such that segregation of the coarser and finer fractions will not occur.

3.04 The base aggregate shall be crushed.

- 3.05 When stockpiles are constructed, the work shall be done in accordance with the requirements for Stockpiling Aggregates (Specification 3600).
- 3.06 The base aggregate shall be hauled in accordance with the requirements for Haul (Specification 2405).
- 3.07 Base course shall not be spread and compacted when the atmospheric temperature is less than two degrees Celsius (2°C).
- 3.08 Oversize material shall not be incorporated into the base course.
- 3.09 The thickness of any compacted base course lift shall be not less than four centimetres (4 cm) and not greater than ten centimetres (10 cm).
- 3.10 The base course shall be spread by blade patrols or other equipment approved by the engineer.
- 3.11 Each lift shall be compacted to not less than one hundred (100) percent of the density as determined by Test 9225. The base course shall be compacted at its natural moisture content. When excess moisture exists in the base course it shall be dried at no direct expense to the Department. The Engineer will determine, from the test results, the section of base course to be considered for evaluation. The density of the section will be considered satisfactory when:
 - (a) Test results on the section average not less than one hundred (100) percent of the required density.
 - (b) All individual test results within the section are greater than ninety-eight (98) percent of the required density.
- 3.12 The finished surface of the base course shall be true to grade and cross-section and free of any ruts or irregularities.
- 3.13 A prime coat shall be placed on the finished final lift of base course in accordance with the requirements for Bituminous Prime, Tack and Flush Coat (Specification 4000).
- 3.14 Any failures which develop in the subgrade, sub-base course or base course, after depositing the base aggregate on the road shall be repaired at no direct expense to the Department.
- 3.15 When work must be carried over from one construction season to the next the following will apply:

- (a) A prime coat shall be placed on all base course.
- (b) The Department will bear the cost of prime coat on any unfinished final lift of base course and/or on any other lifts up to a total length of three kilometres (3 km).
- (c) The Contractor shall place a prime coat on all other sections, on the full width of the base course, at no direct expense to the Department.
- (d) When work resumes the Department will bear the cost of removing the prime coat on unfinished surfaces.

3535 - 4 MEASUREMENT

4.01 Reclaimed bituminous Base Course will be measured in tonnes.

3535 - 5 PAYMENT

- 5.01 Payment for RECLAIMED BITUMINOUS BASE COURSE will be made at the unit price per tonne. The unit price will be full compensation for excavating, stockpiling, crushing, loading, dumping, spreading, compacting and finishing the base course.
- 5.02 Payment for HAULING RECLAIMED BITUMINOUS BASE COURSE will be made at the unit price per tonne in accordance with the requirements for Haul (Specification 2405).
- 5.03 Payment for RECLAIMED BITUMINOUS BASE COURSE IN PLACE will be made at the unit price per tonne. The unit price will be full compensation for excavating, stockpiling, crushing, loading, hauling, dumping, spreading, compacting and finishing the base course.
- 5.04 Payment for prime coat will be made in accordance with the requirements for Bituminous Prime, Tack and Flush Coat (Specification 4000).