

PART 1 - GENERAL

1.1 PROTECTION

- .1 Protect buildings, landscaping, roads, driveways, sidewalks, trees and shrubs on site that may be damaged by paving machinery, equipment or personnel. Make good property damaged due to paving operations.
- .2 Take necessary precautions to protect workmen and public from hazards of paving operations.
- .3 Keep vehicular traffic off newly paved areas until paving properly cured.
- .4 Provide access to building at all times. Arrange paving schedule so as not to interfere with normal use of premises.

PART 2 - PRODUCTS

2.1 MATERIALS

- .1 Asphalt base course: to Ontario Provincial Standard Specification OPSS 1150, November 2010 for type HL 8. Maximum size aggregate 19.0 mm.
- .2 Asphalt surface course: to Ontario Provincial Standard Specification OPSS 1150, November 2010 for type HL 3. Maximum size aggregate 13.2 mm.
- .3 Primer: emulsified asphalt to Ontario Provincial Standard Specification OPSS 1103, November 2007 for rapid setting type.
- .4 Granular base: to Ontario Provincial Standard Specification OPSS 1010, April 2004 for Granular A. Maximum size 19.0 mm.
- .5 Granular sub-base: to Ontario Provincial Standard Specification OPSS 1010, April 2004 for Granular B. Maximum size 26.5mm.

PART 3 - EXECUTION

3.1 CLEANING

- .1 Remove dust, contaminants, loose and foreign materials, oil and grease in designated areas.
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3.1 CLEANING
(Cont'd)

- .2 Use rotary power brooms supplemented by hand brooming as required.
- .3 Where directed, remove to existing pavement level, sealing compound which has protruded excessively and dispose of removed material as directed.
- .4 Keep drainage system clear of loose and waste materials.

3.2 EXCAVATING

- .1 Excavate to elevations and dimensions indicated or required for construction of work.
- .2 Make excavation to clean lines to minimize quantity of fill material required.
- .3 Earth bottoms of excavations to be dry undisturbed soil, reasonably level, free from loose or organic matter.

3.3 INSPECTION

- .1 Check graded subgrade for conformity with elevations and cross-sections before placing granular sub-base and granular base material.
 - .2 Proof-roll subgrade sub-base and base surface with mass and type of roller approved by Departmental Representative.
 - .1 Check for unstable areas.
 - .2 Check for areas requiring additional compaction.
 - .3 Notify Departmental Representative of unsatisfactory conditions.
 - .4 Do not begin paving work until such conditions have been corrected and are ready to receive paving.
 - .5 When complete, have Departmental Representative inspect excavations to verify soil bearing capacity, depths and dimensions.
 - .6 Excavation, beyond limits shown on drawings, if authorized in writing by Departmental Representative, will be paid for as extra to Contract price in accordance with General Conditions. Quantities will be calculated in place, compaction included. Truck load measurements not acceptable.
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3.3 INSPECTION
(Cont'd)

- .7 Correct unauthorized excavation at no extra cost by filling with Granular A material.

3.4 ASPHALT COURSE

- .1 Apply primer at approximately 0.5 L/m².
- .2 Place compacted asphaltic concrete base course to thickness as indicated.
- .3 Place compacted asphaltic concrete surface course to thickness as indicated.
- .4 Minimum 7 C air temperature when placing mixture.
- .5 Minimum 120 C mixture temperature when spread.
- .6 Maximum 149 C mixture temperature at any time.
- .7 Compact each course with roller when it can support roller mass without undue cracking or displacement.
- .8 Roller, power driven, minimum mass 9 tonnes, minimum wheel width 600 mm.
- .9 Roll until roller marks are eliminated. Compact to 96 % laboratory density.
- .10 Keep roller speed slow enough to avoid mixture displacement.
- .11 Moisten roller wheels to prevent mixture adhesion.
- .12 Compact mixture with hot tampers in areas inaccessible to roller.
- .13 Finish surface true to grade and free from deviations exceeding 1:1000 when measured in any direction with a 3 m straight edge.

3.5 JOINTS

- .1 Cut back bituminous course to full depth in straight or curved lines as required to expose fresh vertical surfaces. Remove any broken or loose material.
- .2 Paint exposed edge of asphaltic joints, edges of manholes and catchbasin frames, curbs and similar items with asphalt primer prior to placing asphalt courses.
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3.5 JOINTS
(Cont'd)

- .3 Where paving comprises two courses overlap longitudinal joints not less than 600 mm.
- .4 Carefully place and compact hot asphaltic material against joints.