

PART 1 - GENERAL

- 1.1 Description .1 This section specifies requirements for supply, hauling, placing, shaping and compacting hot mix asphalt concrete paving as shown on drawings.
- 1.2 Source Sampling .1 Inform Departmental Representative of proposed source of aggregates and provide access for sampling.
- .2 If requested, at least 1 week prior to commencing work submit samples of following materials proposed for use.
- .1 One 5 litre container of asphalt cement.
- .3 If materials have been tested by an independent testing laboratory within previous 2 months and have successfully passed tests equal to requirements of this specification, disregard above instructions and submit test certificates from testing laboratory showing suitability of materials for this project.
- 1.3 Measurement for Payment .1 Asphalt pavement as shown will be measured in square meters (m<sup>2</sup>) of asphalt concrete incorporated into the work. Payment will include all equipment, labour and material to complete the work.
- .2 The supply of asphalt cement, tack coat will not be measured for payment but considered incidental to the work.
- .3 Apply the base course(s) of asphalt pavement as required in 63.5 mm minimum compacted thickness followed by a top seal coat of 38mm minimum compacted thickness.
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PART 2 - PRODUCTS

- 2.1 Materials
- .1 All materials to meet the New Brunswick Department of Transportation (NBDOT) specification for asphaltic concrete. Asphalt cement to ASTM D946, performance grade PG 58-34. Mix type D.
  - .2 The Contractor will supply previous test results of the proposed materials for review and approval.
  - .3 Submit job mix formula to Departmental Representative for approval. Design of mix to meet NBDOT specification. Do not change job-mix without prior approval. Should change in material source be proposed, a new job-mix formula to be provided to the Departmental Representative .

PART 3 - EXECUTION

- 3.1 General
- .1 Requirements for the plant and equipment used and the mixing, transportation, placing, compaction and rolling of the materials to meet NBDOT specification unless otherwise indicated or directed.
- 3.2 Preparation
- .1 Reshape granular bed as required to attain proper drainage as directed.
    - .1 Place asphaltic concrete to depths, widths and lines indicated or as directed by the Departmental Representative .
    - .2 An average thickness of 100 mm of asphalt (2 lifts) will be placed over the new granular base material.
  - .2 The contractor will need to match the new grades with the existing asphalt to ensure that service area drainage will drain to the existing catch basins or in the harbour.
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- 3.3 Placing .1 Place asphaltic concrete to depths, widths and lines indicated or as directed by the Departmental Representative .
- .2 The maximum thickness of asphalt to be placed per lift is 63.5 mm. The finish elevation of the asphalt over the existing pavement on the ramp should have a uniform surface as much as possible.
- 3.4 Finish Tolerances .1 Finished asphalt surface to be within 5 mm of design elevation but not uniformly high or low.
- .2 Finished asphalt surface not to have irregularities exceeding 5 mm when checked with a 4 m straight edge placed in any direction.
- .3 Finish surface smooth, true to grade to following tolerances:  
.1 Base Course: 7mm in 3m.  
.2 Seal Course: 3mm in 3m.
- 3.5 Defective Work .1 Correct irregularities which develop before completion of rolling by loosening surface mix and removing or adding material as required. If irregularities or defects remain after final compaction, remove surface course promptly and lay new material to form a true and even surface and compact immediately to specified density.
- .2 Repair areas showing checking or hairline cracking.