

Wharf Reconstruction – Phase 2**Structure 408****Val-Comeau, New Brunswick****Project No. R.097242.003**

Hot Mix Asphalt Pavement

PART 1 – GENERAL1.1 Related Work

- .1 Refer to other Specification Sections for related information.
- .2 Refer to Section 01 33 00 for Shop Drawing/Submissions requirements.

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 liter 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 Refer to Section 01 29 00.
- .2 The supply of asphalt cement and tack coat will not be measured for payment but considered incidental to the work.
- .3 Apply a top seal coat of 38 mm minimum compacted thickness to the existing base course(s).

PART 2 – PRODUCTS2.1 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 58-28. 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 The contractor will need to match the new grades with the existing asphalt to ensure that service area drainage will drain to the new and existing catch basins.

3.3 Placing

- .1 Place asphaltic concrete to depths, widths and lines indicated or as directed by the Departmental Representative.
- .2 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: 7 mm in 3 m.
 - .2 Seal Course: 3 mm in 3 m.

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.

END OF SECTION