

PART 1 - GENERAL

- 1.1 Work Included .1 This Section specifies requirements for supplying, transporting, placing and rolling hot-mixed asphalt concrete pavement material including tack coat, saw cutting or keyways.
- 1.2 References .1 New Brunswick Department of Transportation Standard Specifications, Item No. 259 (Bituminous Tack Coat), No. 260 (Asphalt Concrete).
- 1.3 Samples .1 At least two (2) weeks prior to commencing work, inform the Departmental Representative of source of aggregates and asphalt cement and provide access for sampling.
- .2 Preliminary approval of any sample of any material does not constitute a final approval of material or its source of supply.
- .3 All materials to be incorporated in the work shall be continuously and regularly sampled and tested in the field and in the laboratory and shall comply with the requirements of the material specification.

PART 2 - PRODUCTS

- 2.1 Materials .1 Tack coat and asphalt cement to be as per NBDOT Standard Specifications, Item No. 259 and Item No. 260.
- .2 Asphaltic material: hot mixed, hot laid combination of mineral aggregates, uniformly coated and mixed with an asphaltic binder in a suitable mixing plant. Asphaltic materials and aggregates shall meet the requirements of NBDOT Standard Specifications, Item No. 260.
- .3 Composition of mixture: to grading and asphalt requirements in NBDOT Standard Specification. Base course asphalt concrete pavement shall be Mix Type B, thickness 50mm. Seal course asphalt concrete pavement shall be Mix Type D, thickness 50mm, or as specified on the Drawings.

PART 3 - EXECUTION

- 3.1 Inspection of Existing Granular Base
- .1 Before paving, reshape existing granular base roadbed as required to bring it to subgrade elevations as directed. Removing or shaping of existing driveway aprons as required and is incidental to the Work.
- 3.2 Equipment
- .1 Pressure distributor:
- .1 Distributor to be designed, maintained, equipped and operated that asphalt concrete pavement at even temperature may be applied in a uniform manner on width up to 4.5 metres at readily determined and controlled rates.
- .2 Equipped with easily read, accurate and sensitive device which registers temperature of liquid in reservoir.
- 3.3 Asphalt Paving
- .1 Prior to laying mix, clean surface of loose and foreign material.
- .2 Apply full width tack coat to asphalt surface when placing seal asphalt on existing asphalt or new asphalt that has been placed over 24 hours earlier.
- .3 Place asphalt concrete pavement to thicknesses, grades and lines indicated unless otherwise directed by the Departmental Representative. Carry out interface with existing asphalt as per NBDOT Standard Specifications. Keyways, tack coat and saw cutting straight edges is considered incidental to the Work.
- .4 Placing conditions:
- .1 Place asphalt concrete pavement only when air temperature is above 5°C for base course and 10°C for surface course.
- .2 When temperature of surface on which material is to be placed falls below 10°C, provide extra rollers as necessary to obtain required compaction before cooling.
- .3 Do not place asphalt concrete pavement when pools of standing water exist on surface to be paved, during rain, or when surface is damp.
- .5 Place, roll, and compact asphalt concrete pavement to NBDOT Standard Specifications.

3.4 Testing

- .1 Submit Marshall test results for asphalt concrete on a daily basis as quality control for mix design and asphalt properties.

END OF SECTION