

PART 1 General

1.1 MEASUREMENT FOR PAYMENT

- .1 Refer to Section 01 29 00 - Measurement for Payment.

1.2 RELATED SECTIONS

- .1 Section 01 33 00 - Submittal Procedures.

1.3 DESCRIPTION OF WORK

- .1 This Section specifies the requirements for the materials, equipment and methods to be followed for production, placement and compaction of hot mix, hot laid asphalt concrete for pavement construction for the parking areas, including access driveways.
- .2 The following Prince Edward Island Department of Transportation and Infrastructure Specifications will be followed for all work related to Hot Mix Asphalt Concrete Paving.
  - .1 501 Asphalt Cement
  - .2 502 Asphalt Prime
  - .3 503 Asphalt Emulsions
  - .4 601 Tack Coat Application
  - .5 602 Prime Coat Application
  - .6 603 Hot Mix Asphaltic Concrete
  - .7 705 Cold Plane Construction Joint
  - .8 907 Vehicle Configurations and Restrictions

1.4 REFERENCES

- .1 American Society for Testing and Materials International, (ASTM)
  - .1 ASTM D995-95b(2002), Standard Specification for Mixing Plants for Hot-Mixed, Hot-Laid Bituminous Paving Mixtures.
  - .2 ASTM D1559-89, Test Method for Resistance to Plastic Flow of Bituminous Mixtures Using Marshall Apparatus, was withdrawn in 1998 with no replacement.
- .2 Asphalt Institute (AI)
  - .1 AI MS-2-1993, Mix Design Methods for Asphalt Concrete and Other Hot-Mix Types.
- .3 Canadian General Standards Board (CGSB)
  - .1 CAN/CGSB-16.1-M89, Cutback Asphalts for Road Purposes.
  - .2 CAN/CGSB-16.3-M90, Asphalt Cements for Road Purposes.

1.5 WASTE MANAGEMENT AND DISPOSAL

- .1 Separate waste materials for reuse in accordance with Waste Management Plan.
- .2 Divert unused asphalt materials from landfill.
- .3 Divert unused aggregate materials from landfill for reuse as approved by Departmental Representative.
- .4 Unused protective coating material must be disposed of at an official hazardous material collections site as approved by Departmental Representative.
- .5 Unused protective coating material must not be disposed of into sewer system, into streams, lakes, onto ground or in other location where it will pose health or environmental hazard.

## PART 2 Products

### 2.1 MATERIALS

- .1 Asphalt paving mixture: The current Prince Edward Island Department of Transportation and Infrastructure Specifications 603 and 501 for hot-mixed, hot-laid asphalt concrete shall govern the materials and composition of the asphalt concrete pavements.
  - .1 Base: Mix designation 'A' - as per Specification 501
  - .2 Seal: Mix designation 'B' - as per Specification 501
- .2 Asphalt prime: In accordance with the PEI Department of Transportation and Infrastructure Specification 502.
- .3 Asphalt emulsions: In accordance with the PEI Department of Transportation and Infrastructure Specification 503.

## PART 3 Execution

### 3.1 ASPHALT PRIME

- .1 Apply asphalt prime over imported granular base in accordance with the requirements of PEI Department of Transportation and Infrastructure Specification 602, Paragraphs 602.01 to 602.04 inclusive.

### 3.2 ASPHALT CONCRETE PAVING

- .1 Place and compact asphalt concrete base and seal courses in accordance with the requirements of PEI Department of Transportation and Infrastructure Specification 603 to thickness indicated on drawings.

### 3.3 ASPHALT TACK

- .1 Apply asphalt tack between base and seal courses and elsewhere as applicable in accordance with the requirements of PEI Department of Transportation and

Infrastructure Specification 601.

3.4 JOINTS

- .1 Provide cold plane joint at intersection with existing roads and elsewhere as required in accordance with PEI Department of Transportation and Infrastructure Specification 705, Paragraphs 705.01 and 705.02.

3.5 VEHICLE REQUIREMENTS

- .1 In accordance with PEI Department of Transportation and Infrastructure Specification 907.

3.6 TESTING AND INSPECTION

- .1 Testing of asphalt materials and inspection and testing of placement and compaction to be carried out by testing laboratory engaged and paid by the Contractor. Frequency of tests to be determined by the testing laboratory.

3.7 SURPLUS MATERIALS

- .1 Remove all surplus materials from site.
- .2 Dispose off site at a location approved by Provincial Authority governing such disposal and pay all fees that may be charged to dispose of materials.

3.8 ASPHALTIC CURBS

- .1 Form asphalt curbs by machine to profiles as indicated. Curve curbs uniformly.

3.9 PROTECTION

- .1 Keep vehicular traffic off newly paved areas until paving surface temperature has cooled below 38 degrees C. Do not permit stationary loads on pavement until 24 hours after placement.
- .2 Provide access to buildings as required. Arrange paving schedule so as not to interfere with normal use of premises.

**END OF SECTION**

PART 1 General

1.1 MEASUREMENT FOR PAYMENT

- .1 Dust Control will be considered incidental to the work and not measured separately for payment.

1.2 DESCRIPTION OF WORK

- .1 The work of this Section comprises the furnishing of all labour, materials and equipment necessary for the supply and application of water for prevention of dust nuisance caused by traffic, and/or weather conditions.

PART 2 Products

2.1 MATERIALS

- .1 Water: to Departmental Representative's approval.

2.2 SUPPLY

- .1 At least one mobile unit of at least 4.5 KL capacity for applying water shall be available on the project at all times.
- .2 The intake hose to the tank shall be equipped with a device satisfactory to the Departmental Representative to prevent fish from being pumped into the tank.

PART 3 Execution

3.1 APPLICATION

- .1 Apply water, when and where required, in location directed by Departmental Representative, with distributors equipped with a spray system that will ensure uniform application and with positive means of shut-off.

**END OF SECTION**