

SECTION 02513 - HOT BITUMINOUS PAVEMENT

PART 1 - GENERAL

1.01 DESCRIPTION OF WORK:

- A. General: Provide hot bituminous pavement as shown on the Drawings. This work includes temporary and permanent trench paving and pavement overlay.

1.02 QUALITY ASSURANCE:

- A. Standards: "Standard Specifications Highways and Bridges," revision of January 1984, Maine Department of Transportation.
- B. Pavement Supplier and Plant: MDOT "Standard Specification," Section 401.08.

1.03 SUBMITTALS:

- A. Material Certificates: Certificates signed by material producer and Contractor stating that each material complies with specified requirements.
- B. Design Mix: Provide for each truckload of hot bituminous material.
- C. Certified Weigh Slips: Provide for each truckload of hot bituminous material.

1.04 JOB CONDITIONS:

- A. Weather and Seasonal Limitations: MDOT "Standard Specification," Section 401.07.
- B. Additional Limitations:
 - 1. Apply bituminous prime and tack coats only when the ambient temperature in the shade is at least 50 degrees F for 12 hours immediately prior to application.
 - 2. Do not apply when the base surface is wet or contains an excess of moisture which would prevent uniform distribution and the required penetration.

PART 2 - PRODUCTS

2.01 AGGREGATE BASE:

- A. General: See Section 02200 - Earthwork.

2.02 HOT BITUMINOUS PAVEMENTS:

- A. General: Comply with materials requirements, MDOT "Standard Specification," Sections 403.
- B. Base Course: Grading 19.0 mm
- C. Surface Course Driveway and Parking: Grading 12.5 mm
- D. Walks: 9.5 mm

2.03 BITUMINOUS TACK COAT:

- A. General: MDOT "Standard Specifications," Section 702.04.
- B. Grade: AE-90

PART 3 - EXECUTION

3.01 AGGREGATE BASE AND SUBBASE:

- A. General: MDOT "Standard Specifications," Section 304.

3.02 HOT BITUMINOUS PAVEMENTS:

- A. General: MDOT "Standard Specifications," Sections listed below.
- B. Base Course: Section 301
- C. Surface Course: Section 403

3.03 BITUMINOUS TACK COAT:

- A. General: Apply tack coat immediately prior to placing pavement to edge of cut pavement for adequate bond. Generally, a tack coat will not be required for pavement placed immediately following the rolling of the underlying course.
- B. Rate Application: 0.05 to 0.15 gallons per square yard.

3.04 TRENCH PATCHING:

- A. General: Place aggregate subbase and base as shown on the drawings and as specified in Section 02200.

B. Permanent Patching:

1. Remove temporary pavement. Mechanically cut edges of existing pavement to a neat square edge to prevent deterioration of remaining pavement. Regrade base material and compact as required.
2. Provide base and surface courses to the depths shown on the drawings.

3.05 WINTER CONSTRUCTION MAINTENANCE:

- A. General: If hot bituminous pavement is not available, provide cold patch and maintain trench until paving can be completed.

* END OF SECTION 02513 *