

SECTION 02741

BITUMINOUS CONCRETE PAVING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Hot bituminous concrete paving.
- B. Portland Cement Concrete Sidewalk

1.02 RELATED SECTIONS

- A. Section 02315 - Excavation and Backfill.
- B. Section 02317 - Trenching.
- C. Section 02772 - Curbing.
- D. Section 03300 - Concrete.

1.03 REFERENCES

- A. State of Maine Department of Transportation Standard Specifications Highways and Bridges, latest revision (for Hot Mix Asphalt (HMA) pavement designations), hereafter designated as Maine DOT specifications.

1.04 QUALITY ASSURANCE

- A. Perform Work in accordance with Maine DOT Section 403
- B. Mixing Plant: Conform to Maine DOT Section 401.
- C. Pavement Proof Rolling Inspection.
- D. Pavement Surface Smoothness Testing
- E. Obtain materials from same source throughout.

1.05 REGULATORY REQUIREMENTS

- A. Conform to applicable code for paving work on public property.

1.06 ENVIRONMENTAL REQUIREMENTS

- A. Weather and seasonal limitations as required by Maine DOT Section 401.07 shall apply to this Section.

1.07 TESTS

- A. Submit proposed mix design of each class of mix for review prior to commencement of work.
 - 1. Mix design must be for current year.

PART 2 PRODUCTS

2.01 MATERIALS

- A. Asphalt Cement: Maine DOT Section 702
- B. Hot Bituminous Pavement: Maine DOT Section 401.02 Through 401.06
- C. Mineral Filler: Maine DOT Section 703.
- D. Emulsified Bituminous Sealing Compound: Maine DOT Section 702.12
- E. Joint Mortar: Maine DOT Section 705.02
- F. Tack Coat: Emulsified asphalt for tack coat shall conform to Maine DOT Section 702.

- G. Portland Cement Concrete Sidewalks: Maine DOT Section 608.

PART 3 EXECUTION

3.01 EXAMINATION

- A. BITUMINOUS CONCRETE PAVING
 1. Verify that compacted subgrade is dry and ready to support paving and imposed loads.
 2. Verify gradients and elevations of base are correct.
 3. Beginning of installation means acceptance of substrate.

3.02 PREPARATION AND PLACEMENT

- A. Prepare and place plant mix hot bituminous pavement in accordance with Maine DOT Sections 301 and 401

3.03 SIDEWALK

- A. Portland Cement Concrete Sidewalks: Conform to requirements of Maine DOT Section 608.03 with the exception that finish shall be a broom finish with 2" troweled edge.

3.04 TOLERANCES

- A. Flatness: Maximum variation of 3/16 inch measured with 10 foot straight edge.
- B. Compacted Thickness: Conform to requirements of Maine DOT Section 401.17
- C. Compacted Density: Average minimum density of 92% of theoretical maximum density (ASTM D-204).
- D. Variation from True Elevation: Maximum variation from true design elevation 1/4 inch.
- E. Areas which pond water for longer than 24 hours will be cut out and replace with hot mixed asphalt at no cost to the owner.
- F. FIELD QUALITY CONTROL
 1. Owner shall provide field inspection and testing. Owner shall take samples and perform tests in accordance with Maine DOT Specifications for mix aggregate gradation and asphalt content and 2 cores for compacted density.
 2. If tests indicate work does not meet specified requirements, remove work, replace and retest at no cost to the Owner.
- G. PROTECTION
 1. Immediately after placement, protect pavement from mechanical injury for 5 days.

END OF SECTION 02741