

SECTION 02741

BITUMINOUS CONCRETE PAVING

PART 1 GENERAL

1.01 SECTION INCLUDES

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

1.02 RELATED SECTIONS

- A. Section 02315 - Common Excavation, Embankment and Compaction.
- B. Section 02317 - Trenching.
- C. Section 03300 - Cast-In-Place 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 MDOT Specifications.

1.04 QUALITY ASSURANCE

- A. Perform Work in accordance with MDOT Section 403.
- B. Mixing Plant: Conform to MDOT Section 401.
- C. 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 MDOT 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 be for current year.

PART 2 PRODUCTS

2.01 MATERIALS

- A. Asphalt Cement: MDOT Section 702.
- B. Hot Bituminous Pavement: MDOT Section 401.02 through 401.06.
- C. Mineral Filler: MDOT Section 703.
- D. Emulsified Bituminous Sealing Compound: MDOT Section 702.12
- E. Joint Mortar: MDOT Section 705.02
- F. Tack Coat: Emulsified asphalt for tack coat shall conform to MDOT Section 702.
- G. Portland Cement Concrete Sidewalks: MDOT Section 608.

PART 3 EXECUTION

3.01 EXAMINATION

GORRILL-PALMER
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- A. Verify that compacted subgrade is dry and ready to support paving and imposed loads.
- B. Verify gradients and elevations of base are correct.
- C. Beginning of installation means acceptance of substrate.

3.02 PREPARATION AND PLACEMENT

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

3.03 SIDEWALK

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

3.04 TOLERANCES

- A. Flatness: Conform to requirements of MDOT Section 401.20.
- B. Compacted Thickness: Conform to requirements of MDOT Section 401.17.
- C. Variation from True Elevation: Conform to requirements of MDOT Section 403.

3.05 FIELD QUALITY CONTROL

- A. Owner shall provide field inspection and testing. Owner shall take samples and perform tests in accordance with (MDOT Specifications).
- B. If tests indicate work does not meet specified requirements, remove work, replace and retest at no cost to the Owner.

3.06 PROTECTION

- A. Immediately after placement, protect pavement from mechanical injury for 5 days.

END OF SECTION