

SECTION 321216

ASPHALT PAVING

PART 1 GENERAL

1.1 SUMMARY

- A. Provide hot-mixed asphalt paving and cape cod berm.

1.2 SUBMITTALS

- A. Product Data: Submit manufacturer's product data and installation instructions for each material and product used.
- B. Test Reports: Submit for approval test reports.

1.3 QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
- B. Construction Tolerances:
 - 1. Base Course Thickness: Within 1/2 inch.
 - 2. Surface Course Thickness: Within 1/4 inch.
 - 3. Base Course Surface Smoothness: Within 1/4 inch.
 - 4. Surface Course Surface Smoothness: Within 3/16 inch. No ponding acceptable.
 - 5. Crowned Surfaces: Within 1/4 inch from template.

PART 2 PRODUCTS

2.1 MATERIALS

- A. Hot-Mixed Asphalt Paving:
 - 1. Application: Roadways.
 - 2. Application: Sidewalks.
 - 3. Asphalt-Aggregate Mixture: Plant-mixed, hot-laid asphalt-aggregate mixture, ASTM D 3515, complying with local DOT and DPW regulations.
 - 4. Prime Coat: Cut-back asphalt, ASTM D 2027.
 - 5. Tack Coat: Emulsified asphalt, ASTM D 977.
 - 6. Herbicide Treatment: EPA registered chemical for weed control.
 - 7. Marking Paint: Alkyd-resin type, lead and chromate free, white color.
 - 8. Wheel Stops: Precast, concrete.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Asphalt/Aggregate Mixture: Comply with local DOT or DPW Standard Specifications for Highways and Bridges. Class as required by loading and use.
- B. Remove loose material from compacted subbase. Proof roll and check for areas requiring additional compaction. Report unsatisfactory conditions in writing. Beginning of work means

acceptance of subbase.

- C. Apply prime coat to prepared subbase. Apply tack coat to previous laid work and adjacent in-place concrete surfaces.
- D. Place asphalt concrete at minimum temperature of 225 degrees F in strips not less than 10 feet wide overlapping previous strips. Complete entire base course before beginning surface course.
- E. Construct curbs to dimensions indicated or if not indicated to standard shapes. Provide tack coat between curb and pavement.
- F. Begin rolling when pavement can withstand weight of roller. Roll while still hot to obtain maximum density and to eliminate roller marks.
- G. Provide 4-foot lane and striping paint in uniform, straight lines. Provide wheel stops where indicated and securely dowel into pavement. Protect work from traffic and damage.
- H. Test in-place asphalt work for thickness and smoothness. Remove and replace defective work and patch to eliminate evidence of patching

END OF SECTION