

SECTION 02803 - FOG SEAL COAT

PART 1 - GENERAL

1.1 DESCRIPTION

- A. The WORK under this Section includes providing all labor, materials, tools and equipment necessary to apply a Fog Seal Coat to all new asphalt surfaces. This Fog Seal Coat shall be composed of a slow setting asphalt emulsion and diluted with water. Blotting the Fog Seal Coat with sand after the emulsion breaks is required.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. The type of asphalt material used for the Fog Seal Coat shall be CSS-1 cationic emulsified asphalt.
- B. The asphalt material shall conform to the applicable requirements of Section 02801 - Asphalt Concrete Pavement and will be conditionally accepted at the source.
- C. The blotter material shall be suitable clean sand.

PART 3 - EXECUTION

3.1 GENERAL

- A. The CONTRACTOR shall provide equipment for heating and applying the asphalt emulsion and for applying blotter material and removing blotter material. The distributor equipment shall conform to the requirements set forth in Section 02801 - Asphalt Concrete Pavement. In addition, a self-propelled aggregate spreader of approved design, and a rotary paver broom, shall be provided by the CONTRACTOR.
- B. The emulsion shall not be applied to wet surfaces, or when the air temperature is below 45° F, or when weather conditions appear to threaten precipitation.
- C. The surface shall be clean and free from all loose material.
- D. The rate of application shall be between 0.08 and 0.15 gallons per square yard, or as directed by the ENGINEER. Building paper shall be placed over the end of the previous applications and the joining application shall start on the building paper. Building paper shall be permitted on the untreated portion of the roadbed. As soon as the asphalt material has been blotted and will not pick up, traffic may be transferred to the treated portion and the remaining width of the section fogged.
- E. After application of the Fog Seal Coat, blotter sand shall be applied by a ten (10) yard capacity truck with a rear-mounted spreader at a rate of three (3) to five (5) pounds per square yard.
- F. Blotting sand shall be removed by means of a rotary broom and vacuum truck within ten (10) days after application of the Fog Seal Coat. The road surface shall be less than 65°F when sweeping.

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- G. The Fog Seal Coat and sand blotters shall commence prior to the addition of base course to the shoulder to assure a fresh, clean asphalt-bonding surface.

END OF SECTION