

## 607 - ASPHALT PRIME COAT

### SECTION 607

#### ASPHALT PRIME COAT

##### 607.1 DESCRIPTION

Treat a previously prepared surface with asphalt material, and apply blotter material, when required, as specified in the Contract Documents.

##### BID ITEMS

Emulsified Asphalt (\*)

Cutback Asphalt (\*)

\*Designated Type and Grade.

##### UNITS

Ton

Ton

##### 607.2 MATERIALS

Provide asphalt materials that comply with **DIVISION 1200**.

##### 607.3 CONSTRUCTION REQUIREMENTS

**a. Preparation of Road Surfaces.** Before distributing asphalt materials, blade the surface of the roadbed to a smooth, uniform cross-section. Broom off all loose materials, and clean the surface until it is free from dust. Shape, blade and broom side roads that receive asphalt treatment, at the same time as the roadbed surface. When required by the Engineer, give the broomed surface of an earth subgrade or a water-bound base course or subbase a light application of water (approximately 0.1 gallon per square yard) before the asphalt material is applied.

**b. Protection of Adjacent Structures.** Protect the surfaces of all structures and other roadway appurtenances from damage or splatter of asphalt material. Restore any damaged or splattered appurtenances to their original condition at own expense.

**c. Temperature of Asphalt Materials at Time of Application.** Apply asphalt material at the temperature specified in **TABLE 601-1**, or included on the producer's Bill of Lading.

**d. Prime Coat.** Apply the prime coat to earth subgrades, water-bound base courses and subbases as soon as practicable after they have been prepared and are sufficiently dry.

Apply the prime coat to asphalt surfaces immediately after final rolling, and before any traffic has been allowed upon or the surface has hardened and glazed hindering the penetration of asphalt material.

Using a distributor (see **subsection 155.2**), uniformly apply asphalt material at the rate shown in the Contract Documents. Frequently check and adjust the spray nozzles and spray bar to obtain uniform distribution. Should any nozzle malfunction, immediately stop distribution. Correct any deficiency before distribution is resumed.

Only use hand sprayers for areas that can not be primed by normal operation of the distributor.

**e. Protection of Prime Coat After Application.** Maintain the prime coat and the surface of the subgrade or base course until it has been covered by the surface course or until final acceptance of the work. Clean all damaged areas of loose material, repair them satisfactorily and reapply the prime coat. Such maintenance and repair is at the Contractor's expense.

After 48 hours, the Engineer may require a light application of blotting material on specified areas to prevent damage from traffic. Use a clean fine sand or other approved material.

**f. Seasonal and Weather Limitations.** Construct asphalt prime coats between May 1 and October 15 when the ambient air temperature is 60°F and rising, and the weather is not rainy or foggy. These limitations may be modified with written approval from the Engineer.

**g. Pavement Smoothness.** Asphalt prime coat is excluded from profilograph testing, and not eligible for pay adjustments.

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### **607.4 MEASUREMENT AND PAYMENT**

The Engineer will measure emulsified asphalt and cutback asphalt by the ton.

The Engineer will measure blotter material by either the ton or the cubic yard in the vehicle at the time and place of unloading or at other points as designated by the Engineer. Blotting material will not be paid for as such, but will be included in the quantities of cover material or aggregate for base course, provided in the Contract Documents.

Manipulation for prime coat will not be measured directly, but will be subsidiary to the item of manipulation for other phases of work. Any water for the preparation of the prime coat is subsidiary.

Payment for "Emulsified Asphalt (\*)" and "Cutback Asphalt (\*)" at the contract unit prices is full compensation for the specified work.