

**CITY OF SAN ANGELO****ITEM 310****ASPHALT PRIME COAT****310.1 DESCRIPTION.**

This Item shall consist of an application of asphaltic material on the completed base course in accordance with these specifications.

**310.2 MATERIALS.**

The asphaltic material used for the prime coat shall be of the type and grade shown on the plans and when tested by approved laboratory methods shall meet the requirements of Item 300, "Asphalts, Oils, and Emulsions".

**310.3 CONSTRUCTION METHODS.**

Prime coat shall not be applied when the air temperature is below 60°F and falling, but it may be applied when the air temperature is above 50°F and rising, the air temperature being taken in the shade away from artificial heat. Asphaltic material shall not be placed when general weather conditions, in the opinion of the City, are not suitable.

When, in the opinion of the City, the base is satisfactory to receive the prime coat, the surface shall be prepared by sweeping or other approved methods. If found necessary by the City, the surface shall be lightly sprinkled just prior to application of the asphaltic material. The asphaltic material shall be applied on the clean base by an approved type of self-propelled pressure distributor so operated as to distribute the material at the rate directed by the City, evenly and smoothly, under a pressure necessary for proper distribution. The Contractor shall provide all necessary facilities for determining the temperature of the asphaltic material in all of the heating equipment and in the distributor, for determining the rate at which it is applied, and for securing uniformity at the junction of two (2) distributor loads.

All storage tanks, piping, retorts, booster tanks, and distributors used in storing or handling asphaltic material shall be kept clean and in good operating condition at all times and shall be operated in such manner that there will be no contamination of the asphaltic material with foreign material. It shall be the responsibility of the Contractor to provide and maintain in good working order a recording thermometer at the storage heating unit at all times.

The distributor tank, when used for pay purposes, shall have been calibrated within ten years from the date it is first used on this project, unless modifications and or changes occur in the tank system that may alter the volume. The tank calibration procedure shall be in accordance with Test Method Tex-922-K, Part I, and shall be signed and sealed by a registered professional engineer. Unless otherwise shown on the plans, the Contractor shall provide the tank calibration and shall furnish the City an accurate and satisfactory calibration record prior to beginning the work.



The City may at any time verify calibration accuracy in accordance with Test Method Tex-922-K, Part II, and may perform the required recalibration if the calibration is found to be in error.

The City will select the temperature of application and the Contractor shall apply the asphalt at a temperature within 15°F of the temperature selected.

**WARNING TO CONTRACTORS.** Attention is called to the fact that asphaltic materials are flammable. The utmost care should be taken to prevent open flames from coming in contact with the asphaltic material or the gases of it. The Contractor shall be responsible for any fires or accidents, which may result from heating the asphaltic materials.

The Contractor shall be responsible for the maintenance of the surface until the work is accepted by the City.

No traffic, hauling or placing of any subsequent courses shall be permitted over the freshly applied prime coat until authorized by the City.

The asphalt or emulsion may be diluted as directed by the City, but in no case shall the base asphalt material may be diluted no more than 30 percent. Pay for prime will be by the gallon of asphalt actually used before dilution.

#### **310.4 MEASUREMENT.**

This Item will be measured at the point of delivery on the road by the gallon of asphaltic material at the applied temperature. The quantity to be measured for payment shall be the number of gallons used, as directed, of the accepted prime coat.

#### **310.5 PAYMENT.**

The work performed and materials furnished in accordance with this Item and measured as provided under Item 310.4, "Measurement" will be paid for at the unit price bid for "Asphaltic Material", of the type and grade specified. This price shall be full compensation for cleaning the area to be primed; for furnishing all required materials; for all heating, hauling, mixing and distributing the asphaltic material as specified; for all freight involved; and for all manipulation, labor, tools, equipment and incidentals necessary to complete the work.