

ITEM 407.0112 07 - FOG SEAL

DESCRIPTION

This work shall consist of fog sealing at the locations indicated in the Contract documents or where directed by the Engineer

MATERIALS

The asphalt emulsion shall meet the test requirements in Table 702-7 DILUTED TACK COAT. Other materials may be used with the approval of the Director of the Materials Bureau. Testing and certifying fog seal asphalt emulsion by the supplier and sampling of supplied material by Department representative shall be in accordance with the Department’s Materials Method (MM) 702-2 *Asphalt Emulsion - Quality Assurance*.

CONSTRUCTION DETAILS

Equipment. Shall meet the requirements detailed in §407-3.01 *Equipment*.

Application of Fog Seal Asphalt Emulsion. The surface shall be blown clean with compressed air just prior to application of fog seal material. This material shall be uniformly applied by a pressure distributor in a method approved by the Engineer. The fog seal asphalt emulsion shall be applied in a manner to offer the least inconvenience to traffic and to reduce pickup or tracking of the asphalt emulsion.

Fog seal shall not be applied on a wet pavement surface or when the surface temperature is below 7°C. The temperature and areas to be treated shall be approved by the Engineer prior to application. The application rate shall be 0.4 to 0.7 liters per square meter as approved by the Engineer. Refer to contract documents for the application area. Do not apply over existing pavement markings unless directed by the Engineer.

METHOD OF MEASUREMENT

The quantity to be measured for payment will be in liters of fog seal asphalt emulsion measured at 16°C to the nearest liter. The following formula will be used to calculate material quantity at 16°C:

$$\text{Volume}_{15^{\circ}\text{C}} = \text{Volume}_{\text{D}} \times [1 - (\Delta\text{T} \times 0.00045)]$$

$$\Delta\text{T} = \text{Delivered Temperature } (^{\circ}\text{C}) - 16$$

$$\text{Volume}_{\text{D}} = \text{Quantity Delivered (liters)}$$

BASIS OF PAYMENT

The unit price bid per liter of fog seal shall include the cost of all labor, materials, and equipment necessary to satisfactorily complete the work.

Payment will be made under:

| Item No. | Item | Pay Unit |
|-----------------|-------------|-----------------|
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