

ITEM 407.0111 07 - FOG SEALING MILLED-IN AUDIBLE ROADWAY DELINEATORS

DESCRIPTION

This work shall consist of fog sealing Milled-In Audible Roadway Delineator (MIARDs) at the locations indicated in the Contract documents or where directed by the Engineer and to the width and length required by the specifications.

MATERIALS

The fog seal asphalt emulsion shall meet the requirements specified in Section 702 - Bituminous Materials for Asphalt Emulsion Tack Coat.

This material shall meet the test requirements in Table 702-10 *Tack Coat*. 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) 8.2 *Asphalt Emulsion - Quality Assurance*.

CONSTRUCTION DETAILS

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

Application of Fog Seal Asphalt Emulsion. The MIARDs 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 0.20 to 0.70 liters per square meter as approved by the Engineer to properly coat the MIARDs. The width of fog seal shall not exceed 0.7 meters and shall not be applied over existing pavement markings.

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:

$$\text{Volume}_{16^{\circ}\text{C}} = \text{Volume}_D \times [1 - (\Delta T \times 0.00045)]$$

ΔT = Delivered Temperature (°C) - 16

Volume_D = 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
407.0111 07	Fog Sealing Milled-In Audible Roadway Delineators	Liter

9/21/07