

KALKASKA COUNTY ROAD COMMISSION

SPECIFICATIONS for FOG SEAL

2015

Description. This work shall consist of all labor, materials, and equipment required to Fog Seal as specified herein.

Equipment. All equipment must meet the requirements under Section 505 of MDOT’s 2012 Standard Specifications for Construction, except as modified herein:

Pressure Distributor:

The pressure distributor shall have a computerized application rate and speed control device interconnected with the asphalt emulsion pump such that the specified application rate will be supplied at any speed. This control shall have a radar ground sensing device that controls the application rate regardless of ground speed or spray bar width. The pressure distributor shall be capable of maintaining the asphalt emulsion at the specified temperature. The spray bar nozzles shall produce a uniform fan spray, and the shutoff shall be instantaneous with no dripping. Each pressure distributor shall be capable of maintaining the specified rate of application within +/- 0.015 gallons per square yard for each load.

Broom/Sweeper:

The use of a rotary-powered broom is required to remove the loose material from the surface to be treated and for removing loose aggregate after the work has been completed.

Miscellaneous:

Provide all equipment including hand tools, thermometers, etc. Equip all self-propelled equipment with at least one approved, flashing, rotating or oscillating amber light, visible to traffic in all directions.

FOG SEAL - APPLICATION RATES:

CSS-1H/SS-1H (at 50% dilution) shall be spread at a target rate between 0.10 and 0.15 gallons per square yard with a target rate of 0.13 gallons per square yard.

If the target rate of 0.13 gallons per square yard is not the optimum application rate due to the gradation of the coarse aggregate or due to existing surface conditions of the pavement, the Contractor shall notify the Road Commission’s inspector immediately and prior to application. Upon approval of changes by the engineer, the Contractor shall then document the new JMF rate(s) by stationing. All truck demurrage will be the responsibility of the Contractor.

Fog Seal shall be placed 24-48 hours after completion of chipseal and brooming.

MEASUREMENT AND PAYMENT:

Completed work, as measured, will be paid for at the contract unit price for the following contract items:

Pay Item	Pay Unit
Fog Seal	LS Per Road

Payment for the fog seal (as selected by RCRC from the prices for each material combination) includes all equipment, labor and materials for placement of a single application of asphalt emulsion, brooming before fogging, establishment of yield intervals.

No adjustments in the unit price will be made for approved rate that are within the ranges identified.

The contract unit price shall be payment in full for all labor and equipment needed to accomplish the work.