

POLYMER MODIFIED FOG SEAL

| REVISED 4/09/07 _____

S-1.1 DESCRIPTION

This work shall consist of treating an existing bituminous pavement with a diluted polymer modified emulsion to seal the surface.

S-1.2 MATERIALS

A. Bituminous Material

Provide diluted CRS-2P, emulsified asphalt for fog seal, as specified in Mn/DOT 3151.E

S-1.3 REQUIREMENTS

The bituminous materials used shall meet the following requirements for the type and grade specified. Only Bituminous Material supplied from a certified source is approved for use. A list of certified sources is on file at the Chemical Laboratory.

A. Emulsified Asphalt

The emulsified asphalt, prior to dilution, shall meet the requirements of **AASHTO M-316-99 (polymer modified cationic)** subject to the following modification.

1. The CRS-2P shall be distilled at 400°F for 20 minutes for recovery testing.
2. **Polymer-Modified Cationic Emulsified Asphalt, (CRS-2P) shall be produced by using polymer modified base asphalt only. The use of Latex modification shall not be allowed. Any emulsion not meeting this requirement shall not be used.**
3. **The minimum residual asphalt shall be 50 percent.**

B. Dilution

The emulsified asphalt dilution rate will be approximately, three parts emulsion to one part water, by volume to improve application and distribution characteristics.