

**COVERING EXISTING PAVEMENT MARKINGS WITH SAND SEAL COAT.
(REV 2-11-04)**

PAGE 239. The following new Section is inserted after Section 300:

**SECTION 311
COVERING EXISTING PAVEMENT MARKINGS
WITH SAND SEAL COAT**

311-1 Description.

Cover existing pavement markings with a sand seal coat composed of an application of bituminous material followed by the application of a sand cover material across the full width of the roadway.

311-2 Materials.

311-2.1 Bituminous Material: Meet the following requirements:

Asphalt Binder, PG 67-22.....	916-1
Emulsified Asphalt, Grade RS-1.....	916-4

Note: During the months of November through April, use emulsified asphalt. During the remaining months of the year, use either asphalt binder (PG 67-22) or emulsified asphalt, or as specified in the Contract.

311-2.2 Cover Material: Use silica sand meeting the requirements of 902-2.

311-3 Proportioning.

Use the following approximate proportions for the sand seal coat:

Bituminous Material	0.11 - 0.13 gal/yd ²
Cover Material	0.076 - 0.094 ft ³ /yd ²

The Engineer will designate the actual application rate for each material based on a uniform distribution of the material that is adequate to cover the existing pavement markings.

311-4 Equipment.

311-4.1 Power Broom: Provide a power broom for cleaning the existing pavement capable of removing all loose material from the surface.

311-4.2 Spreading Equipment: Provide a self-propelled aggregate spreader that can be adjusted to accurately apply the cover material at the specified rate and that spreads the material uniformly.

311-4.3 Traffic Rollers: Provide a self-propelled, pneumatic-tired traffic type roller meeting the requirements of 320-5.3.2.

311-4.4 Pressure Distributor: Use a pressure distributor to apply the bituminous material which is capable of maintaining the material at the specified temperature and applying it in a uniform manner.

311-5 Weather Limitations.

Do not apply bituminous material when the weather conditions or the surface conditions at the location where the application is to be made are such that it will prevent an adequate bond of the sand seal coat materials to the pavement.

311-6 Construction Methods.**311-6.1 Application of Bituminous Material:**

311-6.1.1 Distributor Pressure: After cleaning the surface to be treated to the satisfaction of the Engineer, uniformly apply the bituminous material over the surface by means of a pressure distributor. Use a distributor that maintains a pressure of at least 20 psi, but not more than 75 psi, or as specified by the Manufacturer.

311-6.1.2 Application Temperatures: For asphalt binder, maintain an application temperature between 300 and 350°F. For emulsified asphalt, maintain an application temperature between 100 and 170°F.

311-6.1.3 Uniformity of Distribution: Take special precautions to obtain an even and uniform distribution of bituminous material, and adjust and operate the distributor so as to maintain a uniform, even distribution of the type of material being applied. Immediately remove excessive deposits of bituminous material upon the road surface which are caused by stopping or starting the distributor, by leakage, or otherwise.

311-6.1.4 Limitations to Application: Ensure that the area to be covered by any one application of bituminous material is not greater than the aggregate can cover without interruption due to limitations of hauling and spreading equipment or to any other cause.

311-6.2 Application of Cover Material: Apply sand uniformly at the rate designated by the Engineer. If the Engineer considers it necessary for the proper distribution of the material, lightly drag the sand with a drag broom. Roll the entire area of the sand with at least two full coverages of a traffic roller.

311-7 Method of Measurement.

Payment of Sand Seal Coating (Bituminous and Sand) will be by the square yard used to cover the existing striping.

311-8 Basis of Payment.

Prices and payments will be full compensation for all work and materials specified in this Section.

Payment will be made under:

Item No. 904-311-1 Sand Seal Coating- Square Yard.