ITEM 314

EMULSIFIED ASPHALT TREATMENT

314.1. Description. This Item shall govern for one (1) or more applications of a mixture of emulsified asphalt and water used as a base or subgrade treatment, earthwork or mulch sod seal for erosion control, prime coat or dust preventative, and constructed in accordance with these specifications.

314.2. Materials. All materials shall conform to the pertinent requirements of the following Items:

- Item 204, "Sprinkling"
- Item 300, "Asphalts, Oils and Emulsions"

The amount of emulsified asphalt in the mixture, expressed as a percent by volume of the total mixture, shall be within the limits and shall be of the type and grade shown on the plans.

314.3. Construction Methods.

(1) General. The emulsified asphalt and water mixture shall be applied by a self-propelled sprinkler meeting the requirements of Item 204, "Sprinkling," or other equipment approved by the Engineer that will uniformly distribute the mixture in the quantity determined by the Engineer.

This mixture shall be applied at the locations and to the extent shown on the plans or as directed by the Engineer.

The Contractor shall make suitable provisions for agitating the two (2) materials sufficiently to produce a uniform blend. The sprinkler or other equipment and/or the measuring devices shall have been recently calibrated, and the Engineer shall be furnished an accurate and satisfactory record of such calibration. After beginning the work, should the yield of the mixture applied appear to be in error, the sprinkler or other equipment and/or the measuring device shall be calibrated in a manner satisfactory to the Engineer before proceeding with the work.

(2) Base or Subgrade Treatment. Where indicated on the plans, "Emulsified Asphalt Treatment" shall be mixed with the base or subbase material. The emulsified asphalt and water mixture shall be applied and incorporated into the top portion of the subbase or base course layers to the depth and width shown on the plans. Successive applications of the mixture of emulsified asphalt and water shall be applied until the specified amount of emulsified asphalt has been incorporated into the material.

The percentage of emulsified asphalt in the mixture shall be regulated to insure that the specified amount of emulsified asphalt is incorporated into the material, while maintaining the proper moisture content.

The treated material shall be mixed by blading, then shaped and compacted as required by the pertinent specification for the particular course, to the lines, grades and typical sections shown on plans. The surface shall be maintained with light applications of emulsified asphalt and water mixture or water, as directed by the Engineer, during curing of the course.

(3) Earthwork or Mulch Sod Seal or Dust Preventative. The emulsified asphalt and water mixture shall be applied as approved by the Engineer, where indicated on the plans or directed by the Engineer.

(4) Prime Coat. Where indicated on the plans, "Emulsified Asphalt Treatment" shall be applied at the width shown on the plans. Successive applications of the mixture shall be applied until the specified amount of emulsified asphalt has been distributed. The percentage of emulsified asphalt in the mixture shall be regulated to insure that the specified amount of emulsified asphalt has been distributed.

314.4. Measurement. This Item will be measured by the gallon of emulsified asphalt used in the emulsified asphalt and water mixture.
314.5. Payment. The work performed and the materials furnished in accordance with this Item and measured as provided under "Measurement" will be paid for at the unit price bid for "Emulsified Asphalt," "Emulsified Asphalt (Base or Subgrade Treatment)," or "Emulsified Asphalt (Erosion Control)" of the type and grade specified. This price shall be full compensation for furnishing all required materials, including mixing water for application; for all freight involved; for all hauling, mixing and distributing the mixture as specified; and for all manipulation, labor, tools, equipment and incidentals necessary to complete the work.