

SECTION 00705 - EMULSIFIED ASPHALT PRIME COAT AND EMULSIFIED ASPHALT FOG COAT

(Follow all instructions and make all edits with "Track Changes" turned on. If there are no instructions [purple text] above a subsection, paragraph, sentence, or bullet, then include it in the project. Delete all purple text before preparing the final document. All other modifications to this Section will require ODOT Technical Resource and State Specifications Engineer approval.)

Comply with Section 00705 of the Standard Specifications modified as follows:

~~(Use the following subsection .10 when aggregate cover material is required. Delete the language in purple parentheses that does not apply and delete all purple parentheses.)~~

00705.10 Aggregate Cover Material - Replace the paragraph that begins " When required by ..." with the following paragraph:

When required by the Special Provisions, furnish Aggregate cover material consisting of crushed or uncrushed Rock free of Clay, loam or other harmful substances and meeting the following gradation. Sieve analysis is determined according to AASHTO T 27. Sieve analysis may be waived and the Aggregate cover material accepted visually if allowed by the Engineer.

Replace the paragraph that begins "* Of the fraction ..." with the following paragraph:

* Of the fraction passing the 1/4-inch sieve, 40 to 60 percent is allowed to pass the No. 8 sieve.

~~(Use the following subsection .10two paragraphs when aggregate cover material is required. Delete the language in purple parentheses that does not apply and delete all purple parentheses.)~~

Add the following paragraph to the end of this subsection:

Provide (Fine Cover)(Coarse Cover) Aggregate material on this Project.

00705.11 Emulsified Asphalt - Replace this subsection, except for the subsection number and title, with the following:

Furnish asphalt meeting the following requirements:

(a) General - Furnish Emulsified Asphalt according to the requirement of ODOT's publication, *Standard Specifications for Asphalt Materials*. Copies of the publication are available from the ODOT Pavement Services Engineer. The applicable specifications are those contained in the current publication on the date the Project is advertised. The

materials may be conditionally accepted at the source or point of loading for transport to the Project.

Obtain samples of Emulsified Asphalt according to AASHTO R 66, prior to dilution with water, according to Section 00165. Samples are tested at the ODOT Materials Laboratory, or other laboratory as designated by the Agency, within 30 Calendar Days from the Day the sample was taken.

(b) Prime Coat - Furnish CSS-1, CSS-1h, or CMS-2S Emulsified Asphalt for the prime coat.

(c) Fog Coat - Furnish CSS-1, CSS-1h, or HFRS-P1 Emulsified Asphalt for the fog coat.

For every part Emulsified Asphalt, add not more than one part water. Add water at point of supply or point of application as directed, and mix with Emulsified Asphalt. The exact proportion of added water is determined in a manner acceptable to the Engineer.

(Use one of the following options as instructed. Delete the options that do not apply.)

[Option 1 - Use the following ~~subsection .11(c)~~ paragraphs when polymer modified emulsion is specified in the pavement design report or requested by the Project Manager or District Manager. Fill in the blank with the required grade of emulsified asphalt used on the project]

~~00705.11(c) Fog Coat - Replace the paragraph that begins "Provide CSS-1..." with the following paragraph:~~

~~Provide~~ Furnish _____ Emulsified Asphalt for the fog coat.

[Option 2 - Use the following ~~subsection .11(c)~~ paragraphs when SP00720 or SP00721 is included in the project special provisions.]

~~00705.11(c) Fog Coat - Replace the paragraph that begins "Provide CSS-1..." with the following paragraph:~~

~~Provide~~ Furnish CSS-1, CSS-1h, HFRS-P1, CMS-2RA, or HFMS-2RA ~~e~~E Emulsified ~~a~~A Asphalt for the fog coat.

~~[Option 3 - Use the following subsection .11(c) when SP00721 is included in the project special provisions.]~~

~~00705.11(c) Fog Coat - Replace the paragraph that begins "Provide CSS-1..." with the following paragraph:~~

~~Provide CSS-1, CSS-1h, HFRS-P1, CMS-2RA, or HFMS-2RA Emulsified Asphalt for the fog coat.~~

00705.21 Asphalt Distributor - Replace this subsection, except for the subsection number and title, with the following:

Provide an asphalt distributor meeting the following requirements:

- Designed, equipped, maintained, and operated so the Emulsified Asphalt Material is applied uniformly at even heat.
- Capable of applying the asphalt on variable surface widths up to 16 feet, at readily determined and controlled rates from 0.05 to 2.0 gallons per square yard, and with uniform pressure. Do not exceed 0.02 gallons per square yard in variation from any specified rate.
- Includes a tachometer, pressure gauges, accurate volume measuring devices and a thermometer for measuring temperature of tank contents.
- Equipped with a positive power unit for the asphalt pump, and full circulation spray bars adjustable both laterally and vertically. Set the bar height for triple lap coverage.

00705.40 Season and Weather Limitations - Replace the title of this subsection with “Weather Limitations”.

00705.43(a) Prime Coat - Replace this subsection, except for the subsection number and title, with the following:

Apply asphalt at a uniform rate, normally within a range of 0.20 to 0.75 gallons per square yard of surface. The exact rate of application is determined by the Engineer.

(Use the following subsection .43(b) when placing fog coat on existing open graded ACP.)

00705.43(b) Fog Coats - Replace the paragraph beginning “Apply the diluted Emulsified Asphalt...” with the following paragraph:

Apply the diluted Emulsified Asphalt within the range of 0.12 to 0.30 gallons per square yard. The exact rate of application ~~will be~~is determined by the Engineer.

00705.80 Measurement - Add the following to the end of the subsection:

If Emulsified Asphalt is diluted by the asphalt supplier prior to delivery, the quantity measured will be reduced to exclude the weight of the added water.

Measurement for Emulsified Asphalt will not include water added as allowed in 00705.11(c).

00705.90 Payment - Delete the sentence beginning “Item (b) includes water...”.

Replace the sentence that begins “Payment will be payment...” with the following sentence:

Payment will be payment in full for furnishing all Materials, mixing Emulsified Asphalt with water, placing all Materials and for ~~furnishing~~providing all Equipment labor, and incidentals necessary to complete the Work as specified.

Add the following paragraph to the end of this subsection:

No separate or additional payment will be made for water added prior to delivery by the Supplier or for water added to dilute the Emulsified Asphalt fog coat by the Contractor after delivery from the Supplier.

