



**COMMONWEALTH OF KENTUCKY  
TRANSPORTATION CABINET**

Frankfort, Kentucky 40622  
www.transportation.ky.gov/

**Matthew G. Bevin**  
Governor

**Greg Thomas**  
Secretary

November 18, 2019

CALL NO. 312  
CONTRACT ID NO. 192128  
ADDENDUM # 2

**Subject:** PIKE COUNTY, FD05 098 0119 002-005  
Letting November 22, 2019

(1) Revised - Special Note for Fog Seal - Pages 19-19(a) of 54

Proposal revisions are available at <http://transportation.ky.gov/Construction-Procurement/>.

If you have any questions, please contact us at 502-564-3500.

Sincerely,

A handwritten signature in black ink that reads "Rachel Mills".

Rachel Mills, P.E.  
Director  
Division of Construction Procurement

RM:mr  
Enclosures



An Equal Opportunity Employer M/F/D

**Table 3**

Payment Based on Rate of Application for 18 lb/yd <sup>2</sup>	
Rate of Application of Per Day of Production (lb/sy)	Reduction of Payment (%)
18 and Greater	100
17.9 - 17.5	95
17.4 - 17.0	90
16.9 - 16.5	80
16.4 - 16.0	70
15.9 and Below	50

**Table 4**

Payment Based on Rate of Application for 14 lb/yd <sup>2</sup>	
Rate of Application of Per Day of Production (lb/sy)	Reduction of Payment (%)
14 and Greater	100
13.9 - 13.5	95
13.4 - 13.0	90
12.9 - 12.5	80
12.4 - 12.0	70
11.9 and Below	50

**Table 5**

Payment Based on Rate of Application for 24 lb/yd <sup>2</sup>	
Rate of Application of Per Day of Production (lb/sy)	Reduction of Payment (%)
24 and Greater	100
23.9 - 23.5	95
23.4 - 23.0	90
22.9 - 22.5	80
22.4 - 22.0	70
21.9 and Below	50

<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>
20814EC	Micro Surfacing-Surface Course	Square Yard
21652EN	Micro Surfacing-Leveling Course	Square Yard
24515EC	Micro Surfacing-Rut Fill Course	Ton

**SPECIAL NOTE FOR FOG SEAL**

Except as provided herein, conform to all requirements of the current Standard Specifications for Road and Bridge Construction. Section references are to the Standard Specifications. For chip seal applications, use an approved fog seal material applied in two passes in opposite directions at a rate of 0.05 – 0.08 gallons per square yard with a total rate of 0.10-0.16 gallons per square yard. The emulsion used for fog sealing chip application shall be diluted between 28-32%.

For all other applications, use undiluted approved fog seal material at a rate of 0.12-0.16 gallons per square yard. The recommended emulsions are to be in accordance with AASHTO M208 or M140.

Before applying the fog seal, sweep the chip seal or roadway to remove any loose aggregate, mud, dirt, dust, and other caked material or loose foreign material that may have accumulate on the roadway. Uniformly apply the asphalt emulsion with an asphalt distributor or approved equipment in accordance with Section 406.03.03b except apply at the rates specified herein. Contrary to section 406 of the Standard Specification, material shall maintain a temperature range of 120° to 180° F during application. The fog seal shall be applied when air temperature is at least 50 degrees F and rising and a minimum surface temperature of 70 degrees F.

Any water added to the emulsion must meet the requirements of Section 803 of the Standard Specifications. If placed over a chip/scrub seal treatment, the application shall be a minimum of 5 to a maximum of 10 calendar days after the treatment application.

Adjust operations as necessary and as directed by the engineer to achieve complete, uniform coverage of the application. Correct areas of incomplete coverage by hand spraying or by a second application of material as approved by the engineer. Any fog seal material applied in excess of the requirements shall be covered or removed with a blotter course dry sand as directed by the Engineer.

Payment will be based on the accepted, weighed tons of diluted emulsion applied as specified.

Payment per ton of “Asphalt Emulsion for Fog Seal” will be full compensation for all labor, materials, and equipment necessary to prepare the surface for treatment, application of the emulsion, corrective work, and protection of the emulsion until cured. Dry sand used as a blotter course due to excessive use of fog seal will not be considered for payment. Liquid asphalt and fuel adjustments will not be considered for payment for all fog seal applications.

Application Rates of Material.

<b>Properties</b>	<b>Minumum</b>	<b>Maximu m</b>
Application rate of emulsion for chip seal Fog seal application required in both directions	0.05	0.08
Application rate of emulsion for non chip seal	0.12	0.16
Emulsion temperature, F	120	180