ARKANSAS DEPARTMENT OF TRANSPORTATION

SUPPLEMENTAL SPECIFICATION

ASPHALT SURFACE TREATMENT

Division 400 of the Standard Specifications for Highway Construction, Edition of 2014, is hereby amended as follows:

Section 402, Asphalt Surface Treatment, is hereby modified as follows:

The first sentence of **Subsection 402.07(b)** is hereby deleted and the following substituted therefor:

> Asphalt material will be paid for at the contract unit price bid per gallon (liter) for Asphalt in Surface Treatment, Polymer Modified Cationic Emulsified Asphalt (CRS-2P) (solid polymer), or Polymer Modified Cationic Emulsified Asphalt (CRS-2P) (latex polymer).

The third paragraph of **Subsection 402.07(b)** is hereby deleted and the following substituted therefor:

> Payment will be made under:

Pay Item	**Pay Unit**
Mineral Aggregate in Asphalt Surface Treatment (Class___)	Cubic Yard (Cubic Meter) or Ton (Metric Ton)
Asphalt in Surface Treatment	Gallon (Liter)
Polymer Modified Cationic Emulsified Asphalt (CRS-2P) (solid polymer)	Gallon (Liter)
Polymer Modified Cationic Emulsified Asphalt (CRS-2P) (latex polymer)	Gallon (Liter)

Section 403, Materials and Equipment for Prime, Tack, and Asphalt Surface Treatments, is hereby modified as follows:

Subsection 403.03(e) is hereby deleted and the following substituted therefor:

> **(e) Polymer Modified Cationic Emulsified Asphalt.** Polymer Modified Cationic Emulsified Asphalt (CRS-2P) (solid polymer) and Polymer Modified Cationic Emulsified Asphalt (CRS-2P) (latex polymer) shall conform to the requirements of AASHTO M 316. The use of (CRS-2P) (solid polymer) or (CRS-2P) (latex polymer) will be specified in the plans. In addition, (CRS-2P) (solid polymer) and (CRS-2P) (latex polymer) shall have: 1) A minimum Saybolt Furol Viscosity at 122° F (50° C) at the point of manufacture and/or origin of 200 seconds, and a maximum Saybolt Furol

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ASPHALT SURFACE TREATMENT

Viscosity of 500 seconds. The Saybolt Furol Viscosity at 122° F (50° C) on destination field samples shall be within the limits of 100-500 seconds. If the asphalt fails to comply at 122° F (50° C) test temperature, the test shall be repeated at 160° F (71° C) and shall be within the limits of 90-200 seconds, and 2) the minimum residue from distillation by weight shall be 68%.

The Table in **Subsection 403.04** is hereby deleted and the following substituted therefor:

Type and Grade	Recommended Range		Maximum Allowable	
	°F	°C	°F	°C
RC-70	80-150	27-66	175	80
RC-250	100-175	38-80	200	93
RC-800	160-225	71-107	250	121
RC-3000	200-275	93-135	290	143
MC-30, MC-70	80-150	27-66	175	80
MC-250	100-200	38-93	230	110
MC-800	185-260	85-127	275	135
MC-3000	225-275	107-135	290	143
RS-1	70-160	21-71	160	71
RS-2	125-185	52-85	185	85
MS-2	70-160	21-71	160	71
SS-1, SS-1h	70-160	21-71	160	71
CRS-1, CRS-2, (CRS-2P) (solid polymer), (CRS-2P) (latex polymer)	125-185	52-85	185	85
CMS-2h, CMS-2	70-160	21-71	160	71
CSS-1, CSS-1h	70-160	21-71	160	71
All Asphalt Binders	275-325	135-163	350	177