EXPECTED IMPLEMENTATION JULY 2007

DRAFT

916 BITUMINOUS MATERIALS-REQUIREMENTS.
(REV 9-27-06) (FA 10-6-06) (7-07)

SUBARTICLE 916-4.1 (Pages 779-783) is expanded by the following:

916-4.1 Requirements.

EMULSIFIED ASPHALT GRADE CRS-1h		
Test	Conditions	Minimum/Maximum
Tests on Emulsion:		
Saybolt Furol Visc	77°F	20 – 100 seconds
Storage Stability	24 hour	maximum 1%
Demulsibility	35 ml 0.8% Sodium Dioctyl Sulfosuccinate (a)	minimum 60%
Sieve Test		maximum 0.10%
Residue by Distillation	500°F. Distillation	minimum 55%
Naphtha Portion	500°F. Distillation. (b)	maximum 3% by volume
Particle charge		positive
Tests on Residue From Distillation Test:		
Penetration (0.1mm)	77°F, 100g, 5 seconds	minimum 60
Viscosity	140°F	minimum 1600 poise
Ductility	77°F	minimum 400 mm
Solubility	in Trichloroethylene	minimum 97.5%
(a) The demulsibility test shall be made within 30 days from the date of shipment. (b) When CRS-1 has been modified to include naphtha, the 24 hour storage stability will be waived.		

EMULSIFIED ASPHALT GRADE NTSS-1hm		
Test	Conditions	Minimum/Maximum
Tests on Emulsion:		
Saybolt Furol Visc.	77°F	20 – 500 seconds
Storage Stability	24 hour	maximum 1%
Settlement	5 days	maximum 5%
Residue by Distillation		mimimum 50%
Naphtha Content	500°F. Distillation	maximum 1% by volume
Sieve Test		maximum 0.30% (a)
Tests on Residue From Distillation Test:		
Penetration (0.1mm)	77°F, 100g, 5 seconds	maximum 20
Softening Point ASTM D36		minimum 149°F
Dynamic Shear Rheometer AASHTO T315	G* sin&, 186.8°F @ 10rad/sec	minimum 1.00 kPa
Solubility	in Trichloroethylene	minimum 97.5%
(c) Sieve test may be waived if no application problems are present in the field.		

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