3. Asphalt Emulsion Recycling

Characteristics (Note 1)	Test Method	Min.	Max.
Viscosity, Saybolt Furol, @ 77°F (25°C), SFS	AASHTO T 59	20	100
Sieve Test, No. 20, retained on sieve, %	AASHTO T 59		0.10
Storage Stability Test, 24 hr, %	AASHTO T 59		1
Residue by Distillation, % (Note 2)	AASHTO T 59	64	
Oil Distillate by volume of emulsified asphalt, %	AASHTO T 59		1
Penetration, 77°F (25°C), 100 g, 5 s, dmm	AASHTO T 49	50	200

Notes:

1. The asphalt emulsion shall be selected for the project by the asphalt emulsion supplier based on the Contractor's mixture design. The penetration of the supplied asphalt emulsion shall be within ±25 dmm of the penetration of the design asphalt emulsion. The asphalt emulsion shall be received on the job site at a temperature no greater than 120ºF (50°C).

2. Modified AASHTO T 59 – distillation temperature of 350 ±9°F (175 ±5°C) with a 20-minute hold.

4. Rapid Penetrating Emulsion, RPE

The asphalt material comprising the rapid penetrating emulsion shall be in accordance with the following:

Characteristics	Test Method	Requirements
Test on Emulsion		
Viscosity, Saybolt Furol at 25°C, max.	AASHTO T 59	50
Sieve Test, %, max.	AASHTO T 59	0.10
Oil Distillate by Volume of Emulsified Asphalt, %, max.	AASHTO T 59	1.0
Identification Test, %, min.	ITM 599	60
Water Resistance Test, %, min.	ITM 598	60
Residue by Distillation*, %, min.	AASHTO T 59	30
Test on Residue		
Penetration (0.1 mm) at 25C, 100g, 5s, max.	AASHTO T 49	150
Ash Content, %, max.	AASHTO T 111	1.0
* The minimum sample size shall be 300g.		

(c) Blank

(d) Utility Asphalt

The asphalts shall be uniform in character and shall not foam when heated to 350°F. Utility asphalts shall be in accordance with the following: