

**Special Provision  
for  
Penetrating Emulsified Asphalt  
P.E.A.**

Description: All references to Sections in this Special Provision shall be constructed to mean specific Sections in the Standard Specifications for Road and Bridge Construction, adopted by the Department of Transportation October 1, 1983.

When some penetration is required, penetrating emulsified asphalt may be used as an alternate to the bituminous materials in Section 403 for bituminous surface treatments that will be used on roads with low traffic volumes. Preparation of the penetrating emulsified asphalt shall be as specified in Article 403.07, except that the spraying (maximum-minimum) application temperature shall be between 140-190°F. (60-88oC). The emulsified asphalt shall meet the following specifications:

	Min	Max
Tests on Emulsion		
Viscosity, Saybolt Furol @ 77 °F., sec.	20	500
Sieve Test, %		0.10
Storage Stability Test, 1 day		1-
Float Test at 140°F., sec.	150 +	
Stone Coating Test	3 minutes, stone coated thoroughly	
Distillation Test:		
Residue from distillation test to		
500°F., %	65 +	
Oil Distillate, by volume %		3 -
Characteristics of residue from distillation		
Test to 500°F.,		
Penetration at 77°F., 100 g., 5 sec.	300 +	

Note: Must have pH 7.3 or higher with a negative particle charge.