

**LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
SPECIFICATIONS**

ASPHALT MATERIALS

DESCRIPTION:

These specifications cover asphalt materials for road maintenance.

GENERAL REQUIREMENTS:

Asphalt cement and emulsions shall be from the Approved Materials List. Asphalt shall be prepared by the refining of petroleum. It shall be uniform in character, free from water, and shall not foam when heated to 350°F (177°C).

Storage tanks, piping, retorts, booster tanks, distributors and other equipment used in delivering, storing or handling asphaltic materials shall be kept clean and in good operating condition and shall be operated as to avoid contamination of the contents with foreign materials.

Test methods shall be the latest in effect. Final test results for asphaltic materials will be applied to the proper table herein for conformance to specifications. Any deviation from the specifications will result in a payment adjustment as specified. If test results are such that a price adjustment would result from more than 1 test value, the payment adjustment for the greatest reduction shall apply.

The adjustment in pay for asphaltic materials shall be applied only to samples taken at the point of delivery. Samples taken at the refinery shall conform to specification requirements; if the refinery sample fails to meet these requirements, the material will be rejected and shall not be shipped.

SAMPLING:

Sampling will be in accordance with the Materials Sampling Manual.

**TABLE 5
CATIONIC EMULSIFIED ASPHALT**

		Percent of Contract Unit Price/Gallon/Shipment		
		CRS-2 SAP Material Master No. 11504 (24-03-1765)		
		<u>Specifications</u>	<u>Deviations</u>	
		100	80	50 or Reject ¹
Test Method				
Viscosity, 50°C (122°F), SSF	AASHTO T-59	100-400	56-99 401-444	55- 445+
Residue by Distillation, % by Wt	AASHTO T-59	65 Min	61-64	60-
Oil Distillate by Volume, %	AASHTO T-59	3 Max	No Penalty	
Particle Charge	DOTD TR-311	Pos.		Neg.
Sieve Test, Retained on No. 20, %	AASHTO T-59	0.1 Max	No Penalty	
Settlement, 5 Days, %	AASHTO T-59	5 Max	No Penalty	
Tests on Residue				
Penetration, 25°C (77°F), 100%, 5 sec.	AASHTO T-49	100-250	84-99 251-266	83- 267+
Solubility in Trichloroethylene, %	AASHTO T-44	97.5 Min	No Penalty	
Ductility, 25°C (77°F), 5 cm/min	AASHTO T-51	80 Min	66-79	65-
Viscosity, 135°C (275°F), cSt	AASHTO T-201	175 Min	125-174	124 -

1 At the option of the Department.