KANSAS DEPARTMENT OF TRANSPORTATION
SPECIAL PROVISION TO THE
STANDARD SPECIFICATIONS, 1990 EDITION

NOTE: This special provision is generally written in the imperative mood. The subject, "the *Contractor*" is implied. Also implied in this language are "*shall*", "*shall be*", or similar words and phrases. The word "*will*" generally pertains to decisions or actions of the Kansas Department of Transportation.

SECTION 1200

PERFORMANCE GRADED ASPHALT BINDER

1.0 DESCRIPTION

This specification covers performance graded asphalt binders developed to significantly improve the ability of the pavement to resist low temperature cracking and high temperature rutting.

2.0 REQUIREMENTS

a. Provide material that complies with the applicable requirements of Special Provision 90M-197 (latest revision) and AASHTO MP1 except with the added requirements for polymer modified binders as shown in **TABLE 1**. All binders shown in **TABLE 1** must be polymer modified.

TABLE 1

	PG 64-28	PG 70-22	PG 70-28	PG 70-34	PG 76-22	PG 76-28
Separation, ASTM D5976, Sec. 6, 163°C, 48 hrs., Difference in R&B from Top to Bottom, °C max. Run on Original Binder	**2**	**2**	**2**	**2**	**2**	**2**
Elastic Recovery, ASTM D6084, 25°C, 10 cm elongation, % min. Run on RTFO Residue	**45**	**45**	**65**	**70**	**65**	**75**

b. Provide the grade of material designated in the Contract Documents. The Department will not make changes in the grade of asphalt. The Contractor may substitute performance graded asphalt which meets or exceeds the upper and lower grade designations for the grade specified. For example, if a maintenance overlay specifies a PG 58-22, a PG 64-22 or a PG 58-

28 will also be accepted. Such substitutions require advance approval by the Engineer and a no-cost change order.

3.0 TEST METHODS.

Test according to the applicable provisions of ASTM D4402, D5976, D6084 and AASHTO T48, TP5 and TP1.

4.0 PREQUALIFICATION.

Prequalify material according to Special Provision 90M-197 (latest revision)

5.0 BASIS OF ACCEPTANCE.

See applicable requirements under Special Provision 90M-197 (latest revision).

06-19-00 M&R (REK)