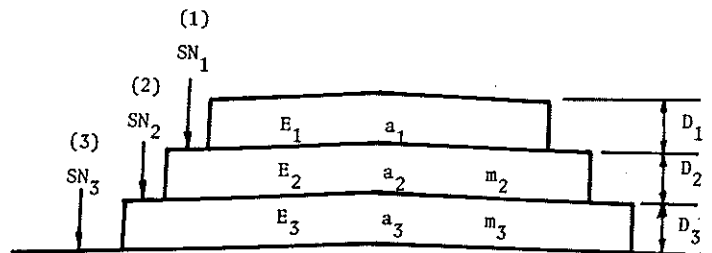


AASHTO Flexible Thickness Layer Selection**TABLE 11.21** MINIMUM THICKNESS FOR ASPHALT SURFACE AND AGGREGATE BASE

Traffic (ESAL)	Asphalt concrete	Aggregate base
Less than 50,000	1.0	4
50,001-150,000	2.0	4
150,001-500,000	2.5	4
500,001-2,000,000	3.0	6
2,000,001-7,000,000	3.5	6
Greater than 7,000,000	4.0	6

Note. Minimum thickness is in in., 1 in. = 25.4 mm.

Source. After AASHTO (1986).

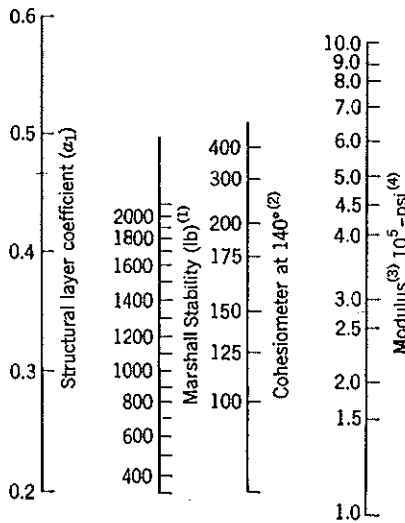
TABLE 11.20 RECOMMENDED DRAINAGE COEFFICIENTS FOR UNTREATED BASES AND SUBBASES IN FLEXIBLE PAVEMENTS

Quality of drainage	Water removed within	Percentage of time pavement structure is exposed to moisture levels approaching saturation			
		Less than 1%	1-5%	5-25%	Greater than 25%
Excellent	2 hours	1.40-1.35	1.35-1.30	1.30-1.20	1.20
Good	1 day	1.35-1.25	1.25-1.15	1.15-1.00	1.00
Fair	1 week	1.25-1.15	1.15-1.05	1.00-0.80	0.80
Poor	1 month	1.15-1.05	1.05-0.80	0.80-0.60	0.60
Very poor	Never drain	1.05-0.95	0.95-0.75	0.75-0.40	0.40

Source. After AASHTO (1986).

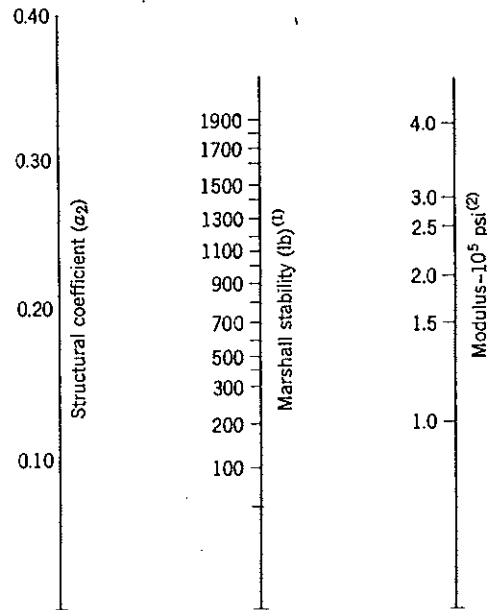
AASHTO Layer Structural Coefficients

SURFACE COURSE



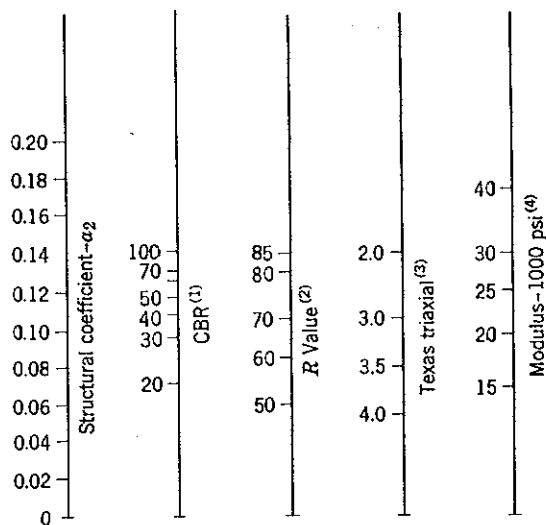
- (1) Scale derived by averaging correlations obtained from the Asphalt Institute, Illinois, Louisiana, New Mexico, and Wyoming.
- (2) Scale derived by averaging correlations obtained from California and Texas.
- (3) Scale derived on this project.
- (4) Modulus at 68° F

BITUMINOUS BASE COURSES



- (1) Scale derived by correlation obtained from Illinois.
- (2) Scale derived on this project.
- (3) Modulus at 68° F

AGGREGATE BASE COURSE



- (1) Scale derived by averaging correlations obtained from Illinois.
- (2) Scale derived by averaging correlations obtained from California, New Mexico, and Wyoming
- (3) Scale derived by averaging correlations obtained from Texas.
- (4) Scale derived on project.

(d)