

PAIKY--PAVEMENT DESIGN TABLES--AASHTO 1993--80% RELIABILITY--▲ PSI = 2.0

Traffic Characteristics	98% Autos, 2% Single Unit Trucks					92% Autos, 5% Single Unit Trucks, 3% Combination Trucks					
Estimated ESALs	7,500	15,000	30,000	60,000	120,000	250,000	500,000	1,000,000	2,000,000	4,000,000	8,000,000
Average Daily Traffic	< 100 ADT	< 200 ADT	< 400 ADT	< 700 ADT	< 1500 ADT	<700 ADT	<1500 ADT	<3000 ADT	<6000 ADT	<12000 ADT	<24000 ADT

Characteristics of Subgrade Materials:		Highly Compressible Fine Grained Soils--Liquid Limit Greater Than 50										
Materials	CBR											
	CBR 1	Stabilization is Recommended										
AC Surface		1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
AC Base		3.00	3.50	4.00	4.50	5.50	6.00	6.50	8.00	9.50	10.00	11.00
Aggregate		6.00	6.00	6.00	6.00	6.00	8.00	8.00	8.00	8.00	10.00	12.00
	CBR 2	Stabilization is Recommended										
AC Surface		1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
AC Base		3.00	3.25	3.50	4.00	4.50	5.00	6.00	6.50	7.50	9.00	10.00
Aggregate		6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
	CBR 3	Stabilization is Optional										
AC Surface		1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
AC Base		2.75	3.00	3.25	3.50	4.00	4.50	5.50	6.00	6.50	7.50	9.00
Aggregate		6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00

Characteristics of Subgrade Materials:		Low Compressible Fine Grained Soils--Liquid Limit Less Than 50										
	CBR 4	Stabilization Optional										
AC Surface		1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
AC Base		2.50	2.75	3.00	3.25	3.50	4.00	5.00	5.50	6.00	7.00	8.00
Aggregate		6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
	CBR 5	Stabilization Optional										
AC Surface		1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
AC Base		2.50	2.50	2.75	3.00	3.25	3.75	4.50	5.00	5.50	6.50	7.50
Aggregate		6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00

Characteristics of Subgrade Materials:		Coarse Grained Soils, Sand and Sandy Soils, Gravel and Gravelly Soils										
	CBR 6											
AC Surface		1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
AC Base		2.50	2.50	2.50	2.75	3.00	3.50	4.00	4.50	5.00	6.00	7.00
Aggregate		6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
	CBR 7											
AC Surface		1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
AC Base		2.50	2.50	2.50	2.50	2.75	3.25	3.75	4.00	4.50	5.50	6.50
Aggregate		6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
	CBR 8											
AC Surface		1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
AC Base		2.50	2.50	2.50	2.50	2.50	3.00	3.25	3.50	4.00	5.00	6.00
Aggregate		6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00

Characteristics of Subgrade Materials:		Rock (limestone, durable sanstone, durable shale, nondurable sandstone), Select Granular Materials										
	CBR 9											
AC Surface		1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
AC Base		2.50	2.50	2.50	2.50	2.50	2.75	3.00	3.25	3.75	4.75	5.75
Aggregate		6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
	CBR 10											
AC Surface		1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
AC Base		2.50	2.50	2.50	2.50	2.50	2.50	2.75	3.00	3.50	4.50	5.50
Aggregate		6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
	CBR 11											
AC Surface		1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
AC Base		2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.75	3.25	4.25	5.25
Aggregate		6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00