

# 1993 AASHTO Pavement Design

## DARWin Pavement Design and Analysis System

### A Proprietary AASHTOWare Computer Software Product

Kumar & Associates, Inc.  
2390 South Lipan Street  
Denver, Colorado 80223

### Flexible Structural Design Module

Access Drives and Fire Lanes

#### Flexible Structural Design

18-kip ESALs Over Initial Performance Period	40,000
Initial Serviceability	4.5
Terminal Serviceability	2
Reliability Level	80 %
Overall Standard Deviation	0.45
Roadbed Soil Resilient Modulus	3,562 psi
Stage Construction	1
Calculated Design Structural Number	2.44 in

#### Specified Layer Design

<u>Layer</u>	<u>Material Description</u>	Struct Coef. <u>(Ai)</u>	Drain Coef. <u>(Mi)</u>	Thickness <u>(Di)(in)</u>	Width <u>(ft)</u>	Calculated <u>SN (in)</u>
1	HMA	0.4	1	6.5	12	2.60
Total	-	-	-	6.50	-	2.60