

DESIGN FACTORS FOR A DESIGN SPEED OF 45 MPH  
(URBAN) USING E- 4% MAX.

RADIUS (FEET)	E (%)	PAVEMENT WIDTH												
		24 FT		36 FT		48 FT		60 FT		66 FT		72 FT		
		IGRDS EQUIVALENTS (NUMBER OF LANES AT LANE WIDTH)												
		1 @ 12'		1.5 @ 12'		2 @ 12'		3 @ 10'		3 @ 11'		3 @ 12'		
CR	LS	CR	LS	CR	LS	CR	LS	CR	LS	CR	LS	CR	LS	
20000	2.1	140	140	140	140	140	140	140	140	140	140	140	140	140
15000	2.1	140	140	140	140	140	140	140	140	140	140	140	140	140
10000	2.1	140	140	140	140	140	140	140	140	140	140	140	140	140
7000	2.1	140	140	140	140	140	140	140	140	140	140	140	140	140
5000	2.1	140	140	140	140	140	140	140	140	140	140	140	140	140
4000	2.1	140	140	140	140	140	140	140	140	140	140	140	140	140
3000	2.5	118	140	118	140	118	140	118	140	118	140	118	140	140
2500	2.7	109	140	109	140	109	140	109	140	109	140	109	140	140
2250	2.8	105	140	105	140	105	140	105	140	105	140	105	140	140
2000	2.9	102	140	102	140	102	140	102	140	102	140	102	140	140
1750	3.1	95	140	95	140	95	140	95	140	95	140	95	140	140
1500	3.3	90	140	90	140	90	140	90	140	90	140	102	160	160
1300	3.5	84	140	84	140	84	140	84	140	96	160	96	160	160
1150	3.7	80	140	80	140	80	140	80	140	91	160	103	180	180
1000	3.9	76	140	76	140	76	140	87	160	87	160	97	180	180
900	4.0	74	140	74	140	74	140	84	160	95	160	95	180	180
800	4.0	74	140	74	140	74	140	84	160	95	180	95	180	180
750	4.0	74	140	74	140	74	140	84	160	95	180	95	180	180
⊙ 732	4.0	74	140	74	140	74	140	84	160	95	180	95	180	180

NOTE:

CR AND LS VALUES IN FEET.

FOR PAVEMENT WIDTHS GREATER THAN 72 FEET  
USE LS VALUES DEVELOPED BY IGRDS WITH AN  
ABSOLUTE MINIMUM LS OF 140 FEET.

⊙ MINIMUM ALLOWABLE RADIUS