

**DESIGN FACTORS FOR A DESIGN SPEED OF 50 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'	
		Lt	Lr	Lt	Lr	Lt	Lr	Lt	Lr	Lt	Lr	Lt	Lr
20000	2.1	160	160	160	160	160	160	160	160	160	160	160	160
15000	2.1	160	160	160	160	160	160	160	160	160	160	160	160
10000	2.1	160	160	160	160	160	160	160	160	160	160	160	160
7000	2.1	160	160	160	160	160	160	160	160	160	160	160	160
5000	2.1	160	160	160	160	160	160	160	160	160	160	160	160
4000	2.4	140	160	140	160	140	160	140	160	140	160	140	160
3000	2.7	125	160	125	160	125	160	125	160	125	160	125	160
2500	2.9	116	160	116	160	116	160	116	160	116	160	116	160
2250	3.1	109	160	109	160	109	160	109	160	109	160	109	160
2000	3.2	105	160	105	160	105	160	105	160	105	160	105	160
1750	3.4	99	160	99	160	99	160	99	160	99	160	112	180
1500	3.6	94	160	94	160	94	160	94	160	94	160	105	180
1300	3.8	89	160	89	160	89	160	89	160	100	180	111	200
1150	3.9	87	160	87	160	87	160	87	160	97	180	108	200
1000	4.0	84	160	84	160	84	160	84	160	95	180	105	200
929 ⊗	4.0	84	160	84	160	84	160	84	160	95	180	105	200

NOTE:

Lt AND Lr VALUES IN FEET.

FOR PAVEMENT WIDTHS GREATER THAN 72 FEET  
USE Lr VALUES DEVELOPED BY IGRDS WITH AN  
ABSOLUTE MINIMUM Lr OF 160 FEET.

⊗ MINIMUM ALLOWABLE RADIUS