

DESIGN FACTORS FOR A DESIGN SPEED OF 55 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	180	180	180	180	180	180	180	180	180	180	180	180
15000	2.1	180	180	180	180	180	180	180	180	180	180	180	180
10000	2.1	180	180	180	180	180	180	180	180	180	180	180	180
7000	2.1	180	180	180	180	180	180	180	180	180	180	180	180
5000	2.3	165	180	165	180	165	180	165	180	165	180	165	180
4000	2.6	146	180	146	180	146	180	146	180	146	180	146	180
3000	3.0	126	180	126	180	126	180	126	180	126	180	126	180
2500	3.3	115	180	115	180	115	180	115	180	115	180	115	180
2250	3.4	112	180	112	180	112	180	112	180	112	180	112	180
2000	3.6	105	180	105	180	105	180	105	180	105	180	117	200
1750	3.8	100	180	100	180	100	180	100	180	100	180	111	200
1500	3.9	97	180	97	180	97	180	97	180	108	200	108	200
1300	4.0	95	180	95	180	95	180	95	180	105	200	116	220
⊕ 1190	4.0	95	180	95	180	95	180	95	180	105	200	116	220

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 180 FEET.

⊕ MINIMUM ALLOWABLE RADIUS