

DESIGN FACTORS FOR A DESIGN SPEED OF 60 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	Lt	Lr	
20000	2.1	180	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	180
10000	2.1	180	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	180
5000	2.6	146	180	146	180	146	180	146	180	146	180	146	180	180
4000	2.9	131	180	131	180	131	180	131	180	131	180	131	180	180
3000	3.3	115	180	115	180	115	180	115	180	115	180	115	180	180
2500	3.6	105	180	105	180	105	180	105	180	105	180	117	200	200
2250	3.7	103	180	103	180	103	180	103	180	114	200	114	200	200
2000	3.9	97	180	97	180	97	180	97	180	108	200	119	220	220
1750	4.0	95	180	95	180	95	180	95	180	105	200	116	220	220
⊕1505	4.0	95	180	95	180	95	180	95	180	105	200	116	220	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