

**DESIGN FACTORS FOR A DESIGN SPEED OF 25 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	100	100	100	100	100	100	100	100	100	100	100	
15000	2.1	100	100	100	100	100	100	100	100	100	100	100	
10000	2.1	100	100	100	100	100	100	100	100	100	100	100	
7000	2.1	100	100	100	100	100	100	100	100	100	100	100	
5000	2.1	100	100	100	100	100	100	100	100	100	100	100	
4000	2.1	100	100	100	100	100	100	100	100	100	100	100	
3000	2.1	100	100	100	100	100	100	100	100	100	100	100	
2500	2.1	100	100	100	100	100	100	100	100	100	100	100	
2250	2.1	100	100	100	100	100	100	100	100	100	100	100	
2000	2.1	100	100	100	100	100	100	100	100	100	100	100	
1750	2.1	100	100	100	100	100	100	100	100	100	100	100	
1500	2.1	100	100	100	100	100	100	100	100	100	100	100	
1300	2.1	100	100	100	100	100	100	100	100	100	100	100	
1150	2.3	92	100	92	100	92	100	92	100	92	100	100	
1000	2.4	88	100	88	100	88	100	88	100	88	100	100	
900	2.5	84	100	84	100	84	100	84	100	84	100	100	
800	2.6	81	100	81	100	81	100	81	100	81	100	100	
750	2.7	78	100	78	100	78	100	78	100	78	100	100	
700	2.8	75	100	75	100	75	100	75	100	75	100	100	
650	2.9	73	100	73	100	73	100	73	100	73	100	100	
600	2.9	73	100	73	100	73	100	73	100	73	100	100	
550	3.0	70	100	70	100	70	100	70	100	70	100	84	
500	3.2	66	100	66	100	66	100	66	100	66	100	79	
475	3.2	66	100	66	100	66	100	66	100	66	100	79	
450	3.3	64	100	64	100	64	100	64	100	77	120	77	
425	3.4	62	100	62	100	62	100	62	100	75	120	75	
400	3.4	62	100	62	100	62	100	62	100	75	120	75	
375	3.5	60	100	60	100	60	100	60	100	72	120	72	
350	3.6	59	100	59	100	59	100	70	120	70	120	82	
325	3.7	57	100	57	100	57	100	69	120	69	120	80	
300	3.8	56	100	56	100	56	100	67	120	67	120	78	
280	3.9	54	100	54	100	54	100	65	120	76	140	76	
265	3.9	54	100	54	100	54	100	65	120	76	140	76	
250	4.0	53	100	53	100	63	120	63	120	74	140	74	
235	4.0	53	100	53	100	63	120	63	120	74	140	74	
220	4.0	53	100	53	100	63	120	63	120	74	140	74	
⊕204	4.0	53	100	53	100	63	120	63	120	74	140	74	

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 100 FEET.

⊕MINIMUM ALLOWABLE RADIUS