

DESIGN FACTORS FOR A DESIGN SPEED OF 30 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	100
15300	2.1	100	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	100
7000	2.1	100	100	100	100	100	100	100	100	100	100	100	100
5300	2.1	100	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	100
3000	2.1	100	100	100	100	100	100	100	100	100	100	100	100
2530	2.1	100	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	100
2000	2.1	100	100	100	100	100	100	100	100	100	100	100	100
1750	2.2	96	100	96	100	96	100	96	100	96	100	96	100
1500	2.4	88	100	88	100	88	100	88	100	88	100	88	100
1000	2.5	84	100	84	100	84	100	84	100	84	100	84	100
1150	2.6	81	100	81	100	81	100	81	100	81	100	81	100
1000	2.8	75	100	75	100	75	100	75	100	75	100	90	120
900	2.9	73	100	73	100	73	100	73	100	73	100	87	120
800	3.0	70	100	70	100	70	100	70	100	70	100	84	120
750	3.1	68	100	68	100	68	100	68	100	82	120	82	120
700	3.2	66	100	66	100	66	100	66	100	79	120	79	120
650	3.3	64	100	64	100	64	100	64	100	77	120	77	120
600	3.4	62	100	62	100	62	100	75	120	75	120	87	140
570	3.5	60	100	60	100	60	100	72	120	72	120	84	140
500	3.6	59	100	59	100	59	100	70	120	70	120	82	140
475	3.7	57	100	57	100	57	100	69	120	80	140	80	140
450	3.8	56	100	56	100	67	120	67	120	78	140	78	140
425	3.8	56	100	56	100	67	120	67	120	78	140	78	140
400	3.9	54	100	54	100	65	120	65	120	76	140	76	140
375	3.9	54	100	54	100	65	120	65	120	76	140	76	140
350	4.0	53	100	53	100	63	120	63	120	74	140	84	160
325	4.0	53	100	53	100	63	120	63	120	74	140	84	160
⊕ 300	4.0	53	100	53	100	63	120	63	120	74	140	84	160

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