

DESIGN FACTORS FOR A DESIGN SPEED OF 35 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'	
		CR	LS	CR	LS	CR	LS	CR	LS	CR	LS	CR	LS
20000	2.1	120	120	120	120	120	120	120	120	120	120	120	120
15000	2.1	120	120	120	120	120	120	120	120	120	120	120	120
10000	2.1	120	120	120	120	120	120	120	120	120	120	120	120
7000	2.1	120	120	120	120	120	120	120	120	120	120	120	120
5000	2.1	120	120	120	120	120	120	120	120	120	120	120	120
4000	2.1	120	120	120	120	120	120	120	120	120	120	120	120
3000	2.1	120	120	120	120	120	120	120	120	120	120	120	120
2500	2.1	120	120	120	120	120	120	120	120	120	120	120	120
2250	2.2	115	120	115	120	115	120	115	120	115	120	115	120
2000	2.4	105	120	105	120	105	120	105	120	105	120	105	120
1750	2.5	101	120	101	120	101	120	101	120	101	120	101	120
1500	2.7	94	120	94	120	94	120	94	120	94	120	94	120
1300	2.8	90	120	90	120	90	120	90	120	90	120	90	120
1150	3.0	84	120	84	120	84	120	84	120	84	120	84	120
1000	3.2	79	120	79	120	79	120	79	120	79	120	92	140
900	3.3	77	120	77	120	77	120	77	120	77	120	90	140
800	3.5	72	120	72	120	72	120	72	120	84	140	84	140
750	3.5	72	120	72	120	72	120	72	120	84	140	84	140
700	3.6	70	120	70	120	70	120	70	120	82	140	82	140
650	3.7	69	120	69	120	69	120	69	120	80	140	91	160
600	3.8	67	120	67	120	67	120	78	140	78	140	89	160
550	3.9	65	120	65	120	65	120	76	140	76	140	87	160
500	4.0	63	120	63	120	63	120	74	140	74	140	84	160
475	4.0	63	120	63	120	63	120	74	140	74	140	84	160
450	4.0	63	120	63	120	63	120	74	140	74	140	84	160
425	4.0	63	120	63	120	63	120	74	140	74	140	84	160
⊕ 420	4.0	63	120	63	120	63	120	74	140	74	140	84	160

NOTE:

CR AND LS VALUES IN FEET.

FOR PAVEMENT WIDTHS GREATER THAN 72 FEET  
USE LS VALUES DEVELOPED BY IGRDS WITH AN  
ABSOLUTE MINIMUM LS OF 120 FEET.

⊕ MINIMUM ALLOWABLE RADIUS