

DESIGN FACTORS FOR A DESIGN SPEED OF 50 MPH
(URBAN) USING E= 4 % MAX.

RADIUS (FEET)	E (%)	PAVEMENT WIDTH											
		24 FT		36 FT		48 FT		60 FT		66 FT		72 FT	
		DESIGN SOFTWARE 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		
8000	NC	0	0	0	0	0	0	0	0	0	0	0	
4792	2.0	48	48	60	60	72	72	80	80	88	88	96	
4629	2.1	48	51	60	63	72	76	80	84	88	93	96	
4310	2.2	48	53	60	66	72	80	80	88	88	97	96	
4010	2.3	48	56	60	69	72	83	80	92	88	102	96	
3723	2.4	48	58	60	72	72	87	80	96	88	106	96	
3444	2.5	48	60	60	75	72	90	80	100	88	110	96	
3166	2.6	48	63	60	78	72	94	80	104	88	115	96	
2911	2.7	48	65	60	81	72	98	80	108	88	119	96	
2686	2.8	48	68	60	84	72	101	80	112	88	124	96	
2486	2.9	48	70	60	87	72	105	80	116	88	128	96	
2306	3.0	48	72	60	90	72	108	80	120	88	132	96	
2143	3.1	48	75	60	93	72	112	80	124	88	137	96	
1994	3.2	48	77	60	96	72	116	80	128	88	141	96	
1857	3.3	48	80	60	99	72	119	80	132	88	146	96	
1729	3.4	48	82	60	102	72	123	80	136	88	150	96	
1608	3.5	48	84	60	105	72	126	80	140	88	154	96	
1493	3.6	48	87	60	108	72	130	80	144	88	159	96	
1381	3.7	48	89	60	111	72	134	80	148	88	163	96	
1268	3.8	48	92	60	114	72	137	80	152	88	168	96	
1146	3.9	48	94	60	117	72	141	80	156	88	172	96	
929	4.0	48	96	60	120	72	144	80	160	88	176	96	

NOTE:

CR AND LS VALUES IN FEET.

FOR PAVEMENT WIDTHS GREATER THAN
72 FEET USE LS VALUES DEVELOPED
BY THE DESIGN SOFTWARE.

LISTED RADIUS IS THE MINIMUM ALLOWABLE
RADIUS FOR THE CORRESPONDING E, CR
AND LS VALUES.

TRANSITION CURVES - URBAN
50 MPH DESIGN SPEED