

TC-5.01		DESIGN FACTORS FOR A DESIGN SPEED OF 80 km/h (URBAN) USING E= 4% MAX.											
RADIUS (METERS)	E (%)	PAVEMENT WIDTH											
		7.2 m		10.8 m		14.4 m		18.0 m		19.8 m		21.6 m	
		DESIGN SOFTWARE EQUIVALENTS (NUMBER OF LANES AT LANE WIDTH)											
		1 @ 3.6 m		1.5 @ 3.6 m		2 @ 3.6 m		3 @ 3.0 m		3 @ 3.3 m		3 @ 3.6 m	
		Lt	Lr	Lt	Lr	Lt	Lr	Lt	Lr	Lt	Lr	Lt	Lr
2500	NC	0	0	0	0	0	0	0	0	0	0	0	0
1485	2.0	15	15	18	18	22	22	24	24	27	27	29	29
1383	2.1	15	16	18	19	22	23	24	26	27	28	29	31
1289	2.2	15	16	18	20	22	24	24	27	27	30	29	32
1199	2.3	15	17	18	21	22	25	24	28	27	31	29	34
1115	2.4	15	18	18	22	22	26	24	29	27	32	29	35
1032	2.5	15	18	18	23	22	27	24	30	27	33	29	36
950	2.6	15	19	18	24	22	29	24	32	27	35	29	38
874	2.7	15	20	18	25	22	30	24	33	27	36	29	39
807	2.8	15	21	18	26	22	31	24	34	27	37	29	41
747	2.9	15	21	18	26	22	32	24	35	27	39	29	42
694	3.0	15	22	18	27	22	33	24	36	27	40	29	44
645	3.1	15	23	18	28	22	34	24	38	27	41	29	45
600	3.2	15	24	18	29	22	35	24	39	27	43	29	47
559	3.3	15	24	18	30	22	36	24	40	27	44	29	48
521	3.4	15	25	18	31	22	37	24	41	27	45	29	49
485	3.5	15	26	18	32	22	38	24	42	27	47	29	51
450	3.6	15	26	18	33	22	39	24	44	27	48	29	52
416	3.7	15	27	18	34	22	40	24	45	27	49	29	54
382	3.8	15	28	18	35	22	42	24	46	27	51	29	55
346	3.9	15	29	18	35	22	43	24	47	27	52	29	57
280	4.0	15	30	18	36	22	44	24	48	27	54	29	58

NOTE:

Lt AND Lr VALUES IN METERS.

FOR PAVEMENT WIDTHS GREATER THAN 21.6 METERS USE Lr VALUES DEVELOPED BY DESIGN SOFTWARE.

LISTED RADIUS IS THE MINIMUM ALLOWABLE RADIUS FOR THE CORRESPONDING E, Lt, AND Lr VALUES.

TRANSITION CURVES - URBAN
80 km/h DESIGN SPEED
 VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION REFERENCE