

TC-5.01		DESIGN FACTORS FOR A DESIGN SPEED OF 60 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
1300	NC	0	0	0	0	0	0	0	0	0	0	0	0
894	2.0	12	12	15	15	18	18	20	20	22	22	24	24
830	2.1	12	13	15	16	18	19	20	21	22	24	24	26
769	2.2	12	14	15	17	18	20	20	22	22	25	24	27
711	2.3	12	14	15	18	18	21	20	23	22	26	24	28
655	2.4	12	15	15	18	18	22	20	24	22	27	24	29
597	2.5	12	15	15	19	18	23	20	25	22	28	24	30
542	2.6	12	16	15	20	18	24	20	26	22	29	24	32
495	2.7	12	17	15	21	18	25	20	27	22	30	24	33
454	2.8	12	17	15	21	18	26	20	28	22	31	24	34
418	2.9	12	18	15	22	18	27	20	29	22	32	24	35
386	3.0	12	18	15	23	18	27	20	30	22	33	24	36
357	3.1	12	19	15	24	18	28	20	31	22	35	24	38
331	3.2	12	20	15	24	18	29	20	32	22	36	24	39
307	3.3	12	20	15	25	18	30	20	33	22	37	24	40
284	3.4	12	21	15	26	18	31	20	34	22	38	24	41
264	3.5	12	21	15	27	18	32	20	35	22	39	24	42
244	3.6	12	22	15	27	18	33	20	36	22	40	24	44
225	3.7	12	23	15	28	18	34	20	37	22	41	24	45
206	3.8	12	23	15	29	18	35	20	38	22	42	24	46
186	3.9	12	24	15	30	18	36	20	39	22	43	24	47
150	4.0	12	24	15	30	18	36	20	40	22	44	24	48

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**  
**60 km/h DESIGN SPEED**  
 VIRGINIA DEPARTMENT OF TRANSPORTATION

**SPECIFICATION  
REFERENCE**

REV. 1/07  
802.28