

DESIGN FACTORS FOR A DESIGN SPEED OF 60 MPH (RURAL) USING E- 8% MAX.

DESIGN VELOCITY -60	DESIGN SOFTWARE EQUIVALENTS (NUMBER OF LANES AT LANE WIDTH)										INTERCHANGE RAMPS									
	WIDTH- 18 FT		WIDTH-20 FT		WIDTH-22 FT		WIDTH-24 FT		WIDTH-48 FT		WIDTH-72 FT		16 FT		18 FT					
	DESIGN SOFTWARE EQUIVALENTS (NUMBER OF LANES AT LANE WIDTH)		DESIGN SOFTWARE EQUIVALENTS (NUMBER OF LANES AT LANE WIDTH)		DESIGN SOFTWARE EQUIVALENTS (NUMBER OF LANES AT LANE WIDTH)		DESIGN SOFTWARE EQUIVALENTS (NUMBER OF LANES AT LANE WIDTH)		DESIGN SOFTWARE EQUIVALENTS (NUMBER OF LANES AT LANE WIDTH)		DESIGN SOFTWARE EQUIVALENTS (NUMBER OF LANES AT LANE WIDTH)		DESIGN SOFTWARE EQUIVALENTS (NUMBER OF LANES AT LANE WIDTH)		DESIGN SOFTWARE EQUIVALENTS (NUMBER OF LANES AT LANE WIDTH)					
	CR	LS	w	CR	LS	w	CR	LS	w	CR	LS	w	CR	LS	w	CR	LS	w		
12000	NC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
8480	2.0	40	0	45	45	0	49	49	0	54	54	0	80	80	0	107	107			
8048	2.1	40	42	0	45	47	0	49	52	0	54	56	0	80	84	0	107			
7654	2.2	40	44	0	45	49	0	49	54	0	54	59	0	80	88	0	107			
7294	2.3	40	46	0	45	52	0	49	57	0	54	62	0	80	92	0	107			
6965	2.4	40	48	0	45	54	0	49	59	0	54	64	0	80	96	0	107			
6661	2.5	40	50	0	45	56	0	49	62	0	54	67	0	80	100	0	107			
6381	2.6	40	52	0	45	58	0	49	64	0	54	70	0	80	104	0	107			
6121	2.7	40	54	0	45	60	0	49	66	0	54	72	0	80	108	0	107			
5879	2.8	40	56	0	45	63	0	49	69	0	54	75	0	80	112	0	107			
5654	2.9	40	58	0	45	65	0	49	71	0	54	78	0	80	116	0	107			
5444	3.0	40	60	0	45	67	0	49	74	0	54	80	0	80	120	0	107			
5247	3.1	40	62	0	45	69	0	49	76	0	54	83	0	80	124	0	107			
5063	3.2	40	64	0	45	72	0	49	79	0	54	86	0	80	128	0	107			
4889	3.3	40	66	0	45	74	0	49	81	0	54	88	0	80	132	0	107			
4725	3.4	40	68	0	45	76	0	49	84	0	54	91	0	80	136	0	107			
4571	3.5	40	70	0	45	78	0	49	86	0	54	94	0	80	140	0	107			
4424	3.6	40	72	0	45	80	0	49	88	0	54	96	0	80	144	0	107			
4286	3.7	40	74	0	45	83	0	49	91	0	54	99	0	80	148	0	107			
4155	3.8	40	76	0	45	85	0	49	93	0	54	102	0	80	152	0	107			
4030	3.9	40	78	0	45	87	0	49	96	0	54	104	0	80	156	0	107			
3911	4.0	40	80	0	45	89	0	49	98	0	54	107	0	80	160	0	107			
3798	4.1	40	82	0	45	92	0	49	101	0	54	110	0	80	164	0	107			
3690	4.2	40	84	0	45	94	0	49	103	0	54	112	0	80	168	0	107			
3587	4.3	40	86	0	45	96	0	49	106	0	54	115	0	80	172	0	107			
3488	4.4	40	88	0	45	98	0	49	108	0	54	118	0	80	176	0	107			
3394	4.5	40	90	0	45	100	0	49	110	0	54	120	0	80	176	0	107			
3303	4.6	40	92	0	45	103	0	49	113	0	54	123	0	80	184	0	107			
3216	4.7	40	94	0	45	105	0	49	115	0	54	126	0	80	188	0	107			
3133	4.8	40	96	0	45	107	0	49	118	0	54	128	0	80	192	0	107			
3053	4.9	40	98	0	45	109	0	49	120	0	54	131	0	80	196	0	107			
2975	5.0	40	100	0	45	112	0	49	123	0	54	134	0	80	200	0	107			
2901	5.1	40	102	0	45	114	0	49	125	0	54	136	0	80	204	0	107			
2866	5.2	40	104	0	45	116	0	49	128	0	54	139	0	80	208	0	107			
2865	5.2	68	176	2.3	45	116	0	49	128	0	54	139	0	80	208	0	107			
2829	5.2	68	176	2.4	45	116	0	49	128	0	54	139	0	80	208	0	107			
2759	5.3	67	176	2.4	45	118	0	49	130	0	54	142	0	80	212	0	107			
2692	5.4	66	176	2.4	45	120	0	49	132	0	54	144	0	80	216	0	107			
2627	5.5	64	176	2.4	45	123	0	49	135	0	54	147	0	80	220	0	107			
2565	5.6	63	176	2.4	45	125	0	49	137	0	54	150	0	80	224	0	107			
2504	5.7	62	176	2.4	45	127	0	49	140	0	54	152	0	80	228	0	107			
2445	5.8	61	176	2.5	45	129	0	49	142	0	54	155	0	80	232	0	107			
2387	5.9	60	176	2.5	45	132	0	49	145	0	54	158	0	80	236	0	107			
2332	6.0	59	176	2.5	45	134	0	49	147	0	54	160	0	80	240	0	107			
2277	6.1	58	176	2.5	45	136	0	49	150	0	54	163	0	80	244	0	107			
2225	6.2	57	176	2.5	45	138	0	49	152	0	54	166	0	80	248	0	107			
2173	6.3	56	176	2.6	45	140	0	49	154	0	54	168	0	80	252	0	107			
2122	6.4	55	176	2.6	45	143	0	49	157	0	54	171	0	80	256	0	107			
2072	6.5	55	176	2.6	45	145	0	49	159	0	54	174	0	80	260	0	107			
2022	6.6	54	176	2.6	45	147	0	49	162	0	54	176	0	80	264	0	107			
1974	6.7	53	176	2.6	45	149	0	49	164	0	54	179	0	80	268	0	107			
1925	6.8	52	176	2.7	45	152	0	49	167	0	54	182	0	80	272	0	107			
1877	6.9	52	176	2.7	45	154	0	49	169	0	54	184	0	80	276	0	107			
1830	7.0	51	176	2.7	45	156	0	49	172	0	54	187	0	80	280	0	107			
1782	7.1	50	176	2.7	45	158	0	49	174	0	54	190	0	80	284	0	107			
1735	7.2	49	176	2.8	45	160	0	49	176	0	54	192	0	80	288	0	107			
1687	7.3	49	176	2.8	45	163	0	49	179	0	54	195	0	80	292	0	107			
1638	7.4	48	176	2.8	45	165	0	49	181	0	54	198	0	80	296	0	107			
1588	7.5	47	176	2.9	45	167	0	49	184	0	54	200	0	80	300	0	107			
1537	7.6	47	177	2.9	45	169	0	49	186	0	54	203	0	80	304	0	107			
1482	7.7	47	179	2.9	45	172	0	49	189	0	54	206	0	80	308	0	107			
1422	7.8	47	182	3.0	49	191	2.0	49	191	0	54	208	0	80	312	0	107			
1350	7.9	47	185	3.0	49	194	2.0	49	194	0	54	211	0	80	316	0	107			
1204	8.0	48	189	3.2	50	198	2.2	49	196	0	54	214	0	80	320	0	107			

NOTE: CR, LS & w VALUES IN FEET. LISTED RADIUS IS THE MINIMUM ALLOWABLE RADIUS FOR THE CORRESPONDING E, CR, LS, AND w VALUES.

TRANSITION CURVES - RURAL
60 MPH DESIGN SPEED
VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION REFERENCE