

DESIGN VELOCITY -40	DESIGN SOFTWARE EQUIVALENTS (NUMBER OF LANES AT LANE WIDTH)	WIDTH-18 FT	WIDTH-20 FT	WIDTH-22 FT	WIDTH-24 FT	WIDTH-48 FT	WIDTH-72 FT	INTERCHANGE RAMPS	WIDTH		
		Lt	Lr	w	Lt	Lr	w	Lt	Lr	w	Lt
6000	NC	0	0	0.0	0	0	0.0	0	0	0.0	0
4000	2.0	32	32	0.0	35	35	0.0	38	38	0.0	63
3792	2.1	33	33	0.0	35	37	0.0	38	40	0.0	63
3603	2.2	32	35	0.0	35	38	0.0	38	42	0.0	63
3430	2.3	32	36	0.0	35	40	0.0	38	44	0.0	63
3271	2.4	32	38	0.0	35	42	0.0	38	46	0.0	63
3125	2.5	32	39	0.0	35	44	0.0	38	48	0.0	63
2990	2.6	32	41	0.0	35	45	0.0	38	50	0.0	63
2866	2.7	32	42	0.0	35	47	0.0	38	52	0.0	63
2865	2.7	87	117	2.0	35	47	0.0	38	52	0.0	63
2748	2.8	84	117	2.0	35	49	0.0	38	54	0.0	63
2640	2.9	81	117	2.0	35	50	0.0	38	55	0.0	60
2538	3.0	78	117	2.0	35	52	0.0	38	57	0.0	63
2443	3.1	76	117	2.1	35	54	0.0	38	59	0.0	63
2354	3.2	74	117	2.1	35	56	0.0	38	61	0.0	63
2269	3.3	71	117	2.1	35	57	0.0	38	63	0.0	63
2190	3.4	69	117	2.1	35	59	0.0	38	65	0.0	63
2115	3.5	67	117	2.2	35	61	0.0	38	67	0.0	63
2044	3.6	65	117	2.2	35	63	0.0	38	69	0.0	63
1977	3.7	64	117	2.2	35	64	0.0	38	71	0.0	63
1913	3.8	62	117	2.2	35	66	0.0	38	73	0.0	63
1852	3.9	60	117	2.2	35	68	0.0	38	74	0.0	63
1794	4.0	59	117	2.3	35	69	0.0	38	76	0.0	63
1739	4.1	58	117	2.3	35	71	0.0	38	78	0.0	63
1686	4.2	56	117	2.3	35	73	0.0	38	80	0.0	63
1635	4.3	55	117	2.3	35	75	0.0	38	82	0.0	63
1587	4.4	54	117	2.4	35	76	0.0	38	84	0.0	63
1540	4.5	52	117	2.4	35	78	0.0	38	86	0.0	63
1495	4.6	51	117	2.4	35	80	0.0	38	88	0.0	63
1452	4.7	50	117	2.4	35	82	0.0	38	90	0.0	63
1411	4.8	49	117	2.5	35	83	0.0	38	92	0.0	63
1370	4.9	48	117	2.5	35	85	0.0	38	93	0.0	63
1332	5.0	47	117	2.5	35	87	0.0	38	95	0.0	63
1294	5.1	46	117	2.5	35	88	0.0	38	97	0.0	63
1258	5.2	45	117	2.6	35	90	0.0	38	99	0.0	63
1222	5.3	45	117	2.6	35	92	0.0	38	101	0.0	63
1188	5.4	44	117	2.6	35	94	0.0	38	103	0.0	63
1154	5.5	43	117	2.7	35	95	0.0	38	105	0.0	63
1122	5.6	42	117	2.7	35	97	0.0	38	107	0.0	63
1090	5.7	42	117	2.7	35	99	0.0	38	109	0.0	63
1058	5.8	41	117	2.7	35	100	0.0	38	110	0.0	63
1028	5.9	40	117	2.8	35	102	0.0	38	112	0.0	63
999	6.0	39	117	2.8	35	104	0.0	38	114	0.0	63
971	6.1	39	117	2.8	35	106	0.0	38	116	0.0	63
944	6.2	38	117	2.9	35	107	0.0	38	118	0.0	63
917	6.3	38	117	2.9	35	109	0.0	38	120	0.0	63
891	6.4	37	117	2.9	35	111	0.0	38	122	0.0	63
866	6.5	37	118	3.0	39	124	2.0	38	124	0.0	63
842	6.6	37	120	3.0	39	126	0.0	38	126	0.0	63
818	6.7	37	122	3.0	39	128	2.0	38	128	0.0	63
794	6.8	37	124	3.1	39	130	2.1	38	129	0.0	63
771	6.9	37	126	3.1	39	132	2.1	38	131	0.0	63
748	7.0	37	128	3.2	39	134	2.2	38	133	0.0	63
726	7.1	37	130	3.2	39	136	2.2	38	135	0.0	63
703	7.2	37	133	3.3	39	139	2.3	38	137	0.0	63
681	7.3	37	135	3.3	39	141	2.3	38	139	0.0	63
658	7.4	38	137	3.4	39	143	2.4	38	141	0.0	63
635	7.5	38	139	3.4	39	145	2.4	38	143	0.0	63
612	7.6	38	141	3.5	39	148	2.5	38	145	0.0	63
587	7.7	38	143	3.5	39	150	2.5	38	147	0.0	63
560	7.8	38	146	3.6	39	152	2.6	38	148	0.0	63
529	7.9	38	148	3.7	40	155	2.7	38	150	0.0	63
465	8.0	38	152	4.0	40	159	3.0	42	166	2.0	63

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

SPECIFICATION
REFERENCE

TRANSITION CURVES - RURAL 40 MPH DESIGN SPEED

VIRGINIA DEPARTMENT OF TRANSPORTATION