

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

DESIGN VELOCITY -60	WIDTH- 18 FT		WIDTH-20 FT		WIDTH-22 FT		WIDTH-24 FT		WIDTH-28 FT		WIDTH-48 FT		WIDTH-72 FT		INTERCHANGE RAMPS						
	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)						
	1 @ 9'		1 @ 10'		1 @ 11'		1 @ 12'		2 @ 12'		3 @ 12'		16 FT		18 FT						
	RADIUS(FT)	E(%)	CR	LS	w	CR	LS	w	CR	LS	w	CR	LS	w	CR	LS	CR	LS	CR	LS	
12000	NC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8480	2.0	40	0.0	45	0.0	49	49	54	54	54	54	80	80	80	107	107	0.0	63	63	67	67
8048	2.1	40	4.2	40	4.5	47	49	52	54	56	58	84	84	84	107	112	0.0	63	66	67	70
7654	2.2	40	4.4	40	4.5	49	49	54	54	59	60	80	88	88	107	118	0.0	63	70	67	74
7294	2.3	40	4.6	40	4.5	52	49	57	54	62	60	80	92	80	107	123	0.0	63	73	67	77
6965	2.4	40	4.8	40	4.5	54	49	59	54	64	60	80	96	80	107	128	0.0	63	76	67	80
6661	2.5	40	5.0	40	4.5	56	49	62	54	67	60	80	100	80	107	134	0.0	63	79	67	84
6381	2.6	40	5.2	40	4.5	58	49	64	54	70	60	80	104	80	107	139	0.0	63	82	67	87
6121	2.7	40	5.4	40	4.5	60	49	66	54	72	60	80	108	80	107	144	0.0	63	85	67	90
5879	2.8	40	5.6	40	4.5	63	49	69	54	75	60	80	112	80	107	150	0.0	63	88	67	94
5654	2.9	40	5.8	40	4.5	65	49	71	54	78	60	80	116	80	107	155	0.0	63	91	67	97
5444	3.0	40	6.0	40	4.5	67	49	74	54	80	60	80	120	80	107	160	0.0	63	95	67	100
5247	3.1	40	6.2	40	4.5	69	49	76	54	83	60	80	124	80	107	166	0.0	63	98	67	104
5063	3.2	40	6.4	40	4.5	72	49	79	54	86	60	80	128	80	107	171	0.0	63	101	67	107
4889	3.3	40	6.6	40	4.5	74	49	81	54	88	60	80	132	80	107	176	0.0	63	104	67	110
4725	3.4	40	6.8	40	4.5	76	49	84	54	91	60	80	136	80	107	182	0.0	63	107	67	114
4571	3.5	40	7.0	40	4.5	78	49	86	54	94	60	80	140	80	107	187	0.0	63	110	67	117
4424	3.6	40	7.2	40	4.5	80	49	88	54	96	60	80	144	80	107	192	0.0	63	113	67	120
4286	3.7	40	7.4	40	4.5	83	49	91	54	99	60	80	148	80	107	198	0.0	63	117	67	124
4155	3.8	40	7.6	40	4.5	85	49	93	54	102	60	80	152	80	107	203	0.0	63	120	67	127
4030	3.9	40	7.8	40	4.5	87	49	96	54	104	60	80	156	80	107	208	0.0	63	123	67	130
3911	4.0	40	8.0	40	4.5	89	49	98	54	107	60	80	160	80	107	214	0.0	63	126	67	134
3798	4.1	40	8.2	40	4.5	92	49	101	54	110	60	80	164	80	107	219	0.0	63	129	67	137
3690	4.2	40	8.4	40	4.5	94	49	103	54	112	60	80	168	80	107	224	0.0	63	132	67	140
3587	4.3	40	8.6	40	4.5	96	49	106	54	115	60	80	172	80	107	230	0.0	63	135	67	144
3488	4.4	40	8.8	40	4.5	98	49	108	54	118	60	80	176	80	107	235	0.0	63	139	67	147
3394	4.5	40	9.0	40	4.5	100	49	110	54	120	60	80	180	80	107	240	0.0	63	142	67	150
3303	4.6	40	9.2	40	4.5	103	49	113	54	123	60	80	184	80	107	246	0.0	63	145	67	154
3216	4.7	40	9.4	40	4.5	105	49	115	54	126	60	80	188	80	107	251	0.0	63	148	67	157
3133	4.8	40	9.6	40	4.5	107	49	118	54	128	60	80	192	80	107	256	0.0	63	151	67	160
3053	4.9	40	9.8	40	4.5	109	49	120	54	131	60	80	196	80	107	262	0.0	63	154	67	164
2975	5.0	40	10.0	40	4.5	112	49	123	54	134	60	80	200	80	107	267	0.0	63	157	67	167
2901	5.1	40	10.2	40	4.5	114	49	125	54	136	60	80	204	80	107	272	0.0	63	160	67	170
2866	5.2	40	10.4	40	4.5	116	49	128	54	139	60	80	208	80	107	278	0.0	63	164	67	174
2865	5.2	70	180	2.3	45	116	49	128	54	139	60	80	208	80	107	278	0.0	63	164	67	174
2829	5.2	70	180	2.4	45	116	49	128	54	139	60	80	208	80	107	278	0.0	63	164	67	174
2759	5.3	68	180	2.4	45	118	49	130	54	142	60	80	212	80	107	283	0.0	63	167	67	177
2692	5.4	67	180	2.4	45	120	49	132	54	144	60	80	216	80	107	288	0.0	63	170	67	180
2627	5.5	66	180	2.4	45	123	49	135	54	147	60	80	220	80	107	294	0.0	63	173	67	184
2565	5.6	65	180	2.4	45	125	49	137	54	150	60	80	224	80	107	299	0.0	63	176	67	187
2504	5.7	64	180	2.4	45	127	49	140	54	152	60	80	228	80	107	304	0.0	63	179	67	190
2445	5.8	63	180	2.5	45	129	49	142	54	155	60	80	232	80	107	310	0.0	63	182	67	194
2387	5.9	62	180	2.5	45	132	49	145	54	158	60	80	236	80	107	315	0.0	63	186	67	197
2332	6.0	60	180	2.5	45	134	49	147	54	160	60	80	240	80	107	320	0.0	63	189	67	200
2277	6.1	60	180	2.5	45	136	49	150	54	163	60	80	244	80	107	326	0.0	63	192	67	204
2225	6.2	59	180	2.5	45	138	49	152	54	166	60	80	248	80	107	331	0.0	63	195	67	207
2173	6.3	58	180	2.6	45	140	49	154	54	168	60	80	252	80	107	336	0.0	63	198	67	210
2122	6.4	57	180	2.6	45	143	49	157	54	171	60	80	256	80	107	342	0.0	63	201	67	214
2072	6.5	56	180	2.6	45	145	49	159	54	174	60	80	260	80	107	347	0.0	63	204	67	217
2022	6.6	55	180	2.6	45	147	49	162	54	176	60	80	264	80	107	352	0.0	63	208	67	220
1974	6.7	54	180	2.6	45	149	49	164	54	179	60	80	268	80	107	358	0.0	63	211	67	224
1925	6.8	53	180	2.7	45	152	49	167	54	182	60	80	272	80	107	363	0.0	63	214	67	227
1877	6.9	53	180	2.7	45	154	49	169	54	184	60	80	276	80	107	368	0.0	63	217	67	230
1830	7.0	52	180	2.7	45	156	49	172	54	187	60	80	280	80	107	374	0.0	63	220	67	234
1782	7.1	51	180	2.7	45	158	49	174	54	190	60	80	284	80	107	379	0.0	63	223	67	237
1735	7.2	50	180	2.8	45	160	49	176	54	192	60	80	288	80	107	384	0.0	63	226	67	240
1687	7.3	50	180	2.8	45	163	49	179	54	195	60	80	292	80	107	390	0.0	63	230	67	244
1638	7.4	49	180	2.8	45	165	49	181	54	198	60	80	296	80	107	395	0.0	63	233	67	247
1588	7.5	48	180	2.9	45	167	49	184	54	200	60	80	300	80	107	400	0.0	63	236	67	250
1537	7.6	48	180	2.9	45	169	49	186	54	203	60	80	304	80	107	406	0.0	63	239	67	254
1482	7.7	47	180	2.9	45	172	49	189	54	206	60	80	308	80	107	411	0.0	63	242	67	257
1422	7.8	47	182	3.0	49	191	2.0	49	54	208	60	80	312	80	107	416	0.0	63	245	67	260
1350	7.9	47	185	3.0	49	194	2.0	49	54	211	60	80	316	80	107	422	0.0	63	248	67	264
1204	8.0	48	189	3.2	50	198	2.2	49	54	214	60	80	320	80	107	427	0.0	63	251	67	267

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

SPECIFICATION  
REFERENCE