

DESIGN FACTORS FOR A DESIGN SPEED OF 110 km/h (RURAL) USING E-8% MAX.

DESIGN VELOCITY -110	DESIGN SOFTWARE EQUIVALENTS (NUMBER OF LANES AT LANE WIDTH)												INTERCHANGE RAMPS										
	WIDTH+ 5.4 m			WIDTH+6.0 m			WIDTH+6.6 m			WIDTH+7.2 m			WIDTH+14.4 m			WIDTH+21.6 m			WIDTH				
	1 e 2.7 m		1 e 3.0 m		1 e 3.3 m		1 e 3.6 m		2 e 3.6 m		3 e 3.6 m		4.8 m		5.4 m		Lt	Lr	Lt	Lr			
RADIUS (m)/E (%)	Lt	Lr	w	Lt	Lr	w	Lt	Lr	w	Lt	Lr	w	Lt	Lr	w	Lt	Lr	Lt	Lr	Lt	Lr		
5000	NC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
3096	2.0	14	14	0.0	15	15	0.0	17	17	0.0	18	18	0.0	27	27	0.0	36	36	0.0	21	21	23	23
2941	2.1	14	14	0.0	15	16	0.0	17	17	0.0	18	19	0.0	27	28	0.0	36	37	0.0	21	22	23	24
2799	2.2	14	15	0.0	15	17	0.0	17	18	0.0	18	20	0.0	27	29	0.0	36	39	0.0	21	23	23	25
2670	2.3	14	16	0.0	15	17	0.0	17	19	0.0	18	21	0.0	27	31	0.0	36	41	0.0	21	24	23	26
2551	2.4	14	16	0.0	15	18	0.0	17	20	0.0	18	22	0.0	27	32	0.0	36	43	0.0	21	26	23	27
2442	2.5	14	17	0.0	15	19	0.0	17	21	0.0	18	22	0.0	27	33	0.0	36	44	0.0	21	27	23	28
2341	2.6	14	18	0.0	15	20	0.0	17	21	0.0	18	23	0.0	27	35	0.0	36	46	0.0	21	28	23	29
2248	2.7	14	18	0.0	15	20	0.0	17	22	0.0	18	24	0.0	27	36	0.0	36	48	0.0	21	29	23	30
2161	2.8	14	19	0.0	15	21	0.0	17	23	0.0	18	25	0.0	27	37	0.0	36	50	0.0	21	30	23	31
2080	2.9	14	20	0.0	15	22	0.0	17	24	0.0	18	26	0.0	27	39	0.0	36	51	0.0	21	31	23	32
2004	3.0	14	20	0.0	15	22	0.0	17	25	0.0	18	27	0.0	27	40	0.0	36	53	0.0	21	32	23	34
1934	3.1	14	21	0.0	15	23	0.0	17	25	0.0	18	28	0.0	27	41	0.0	36	55	0.0	21	33	23	35
1867	3.2	14	22	0.0	15	24	0.0	17	26	0.0	18	29	0.0	27	43	0.0	36	57	0.0	21	34	23	36
1805	3.3	14	22	0.0	15	25	0.0	17	27	0.0	18	29	0.0	27	44	0.0	36	58	0.0	21	35	23	37
1746	3.4	14	23	0.0	15	25	0.0	17	28	0.0	18	30	0.0	27	45	0.0	36	60	0.0	21	36	23	38
1691	3.5	14	24	0.0	15	26	0.0	17	29	0.0	18	31	0.0	27	47	0.0	36	62	0.0	21	37	23	39
1639	3.6	14	24	0.0	15	27	0.0	17	29	0.0	18	32	0.0	27	48	0.0	36	64	0.0	21	38	23	40
1589	3.7	14	25	0.0	15	28	0.0	17	30	0.0	18	33	0.0	27	49	0.0	36	65	0.0	21	39	23	41
1542	3.8	14	26	0.0	15	28	0.0	17	31	0.0	18	34	0.0	27	51	0.0	36	67	0.0	21	40	23	42
1498	3.9	14	26	0.0	15	29	0.0	17	32	0.0	18	35	0.0	27	52	0.0	36	69	0.0	21	41	23	43
1455	4.0	14	27	0.0	15	30	0.0	17	33	0.0	18	36	0.0	27	53	0.0	36	71	0.0	21	42	23	45
1415	4.1	14	27	0.0	15	30	0.0	17	33	0.0	18	36	0.0	27	54	0.0	36	72	0.0	21	43	23	46
1376	4.2	14	28	0.0	15	31	0.0	17	34	0.0	18	37	0.0	27	56	0.0	36	74	0.0	21	44	23	47
1340	4.3	14	29	0.0	15	32	0.0	17	35	0.0	18	38	0.0	27	57	0.0	36	76	0.0	21	45	23	48
1305	4.4	14	29	0.0	15	33	0.0	17	36	0.0	18	39	0.0	27	58	0.0	36	78	0.0	21	46	23	49
1271	4.5	14	30	0.0	15	33	0.0	17	37	0.0	18	40	0.0	27	60	0.0	36	80	0.0	21	47	23	50
1239	4.6	14	31	0.0	15	34	0.0	17	38	0.0	18	41	0.0	27	61	0.0	36	81	0.0	21	48	23	51
1208	4.7	14	31	0.0	15	35	0.0	17	38	0.0	18	42	0.0	27	62	0.0	36	83	0.0	21	50	23	52
1178	4.8	14	32	0.0	15	36	0.0	17	39	0.0	18	43	0.0	27	64	0.0	36	85	0.0	21	51	23	53
1150	4.9	14	33	0.0	15	36	0.0	17	40	0.0	18	44	0.0	27	65	0.0	36	87	0.0	21	52	23	54
1123	5.0	14	33	0.0	15	37	0.0	17	41	0.0	18	44	0.0	27	66	0.0	36	88	0.0	21	53	23	56
1096	5.1	14	34	0.0	15	38	0.0	17	42	0.0	18	45	0.0	27	68	0.0	36	90	0.0	21	54	23	57
1071	5.2	14	35	0.0	15	39	0.0	17	43	0.0	18	46	0.0	27	69	0.0	36	92	0.0	21	55	23	58
1047	5.3	14	35	0.0	15	39	0.0	17	43	0.0	18	47	0.0	27	70	0.0	36	94	0.0	21	56	23	59
1023	5.4	14	36	0.0	15	40	0.0	17	44	0.0	18	48	0.0	27	72	0.0	36	95	0.0	21	57	23	60
1000	5.5	14	37	0.0	15	41	0.0	17	45	0.0	18	49	0.0	27	73	0.0	36	97	0.0	21	58	23	61
978	5.6	14	37	0.0	15	41	0.0	17	46	0.0	18	50	0.0	27	74	0.0	36	99	0.0	21	59	23	62
957	5.7	14	38	0.0	15	42	0.0	17	46	0.0	18	51	0.0	27	76	0.0	36	101	0.0	21	60	23	63
937	5.8	14	39	0.0	15	43	0.0	17	47	0.0	18	51	0.0	27	77	0.0	36	102	0.0	21	61	23	64
917	5.9	14	39	0.0	15	44	0.0	17	48	0.0	18	52	0.0	27	78	0.0	36	104	0.0	21	62	23	66
898	6.0	14	40	0.0	15	44	0.0	17	49	0.0	18	53	0.0	27	80	0.0	36	106	0.0	21	63	23	67
879	6.1	14	41	0.0	15	45	0.0	17	50	0.0	18	54	0.0	27	81	0.0	36	108	0.0	21	64	23	68
861	6.2	14	41	0.0	15	46	0.0	17	50	0.0	18	55	0.0	27	82	0.0	36	109	0.0	21	65	23	69
851	6.3	14	42	0.0	15	47	0.0	17	51	0.0	18	56	0.0	27	83	0.0	36	111	0.0	21	66	23	70
850	6.3	21	65	0.8	15	47	0.0	17	51	0.0	18	56	0.0	27	83	0.0	36	111	0.0	21	66	23	70
843	6.3	21	65	0.8	15	47	0.0	17	51	0.0	18	56	0.0	27	83	0.0	36	111	0.0	21	66	23	70
826	6.4	21	65	0.8	15	47	0.0	17	52	0.0	18	57	0.0	27	85	0.0	36	113	0.0	21	67	23	71
809	6.5	20	65	0.8	15	48	0.0	17	53	0.0	18	58	0.0	27	86	0.0	36	115	0.0	21	68	23	72
793	6.6	20	65	0.8	15	49	0.0	17	54	0.0	18	58	0.0	27	87	0.0	36	116	0.0	21	69	23	73
777	6.7	20	65	0.8	15	50	0.0	17	54	0.0	18	59	0.0	27	89	0.0	36	118	0.0	21	70	23	74
760	6.8	20	65	0.8	15	50	0.0	17	55	0.0	18	60	0.0	27	90	0.0	36	120	0.0	21	71	23	75
744	6.9	19	65	0.8	15	51	0.0	17	56	0.0	18	61	0.0	27	91	0.0	36	122	0.0	21	72	23	77
728	7.0	19	65	0.8	15	52	0.0	17	57	0.0	18	62	0.0	27	93	0.0	36	123	0.0	21	74	23	78
711	7.1	19	65	0.8	15	52	0.0	17	58	0.0	18	63	0.0	27	94	0.0	36	125	0.0	21	75	23	79
695	7.2	19	65	0.8	15	53	0.0	17	58	0.0	18	64	0.0	27	95	0.0	36	127	0.0	21	76	23	80
678	7.3	18	65	0.8	15	54	0.0	17	59	0.0	18	65	0.0	27	97	0.0	36	129	0.0	21	77	23	81
661	7.4	18	65	0.8	15	55	0.0	17	60	0.0	18	65	0.0	27	98	0.0	36	130	0.0	21	78	23	82
643	7.5	18	65	0.9	18	65	0.6	17	61	0.0	18	66	0.0	27	99	0.0	36	132	0.0	21	79	23	83
625	7.6	18	65	0.9	18	65	0.6	17	62	0.0	18	67	0.0	27	101	0.0	36	134	0.0	21	80	23	84
605	7.7	17	65	0.9	17	65	0.6	17	62	0.0	18	68	0.0	27	102	0.0	36	136	0.0	21	81	23	85
583	7.8	17	65	0.9	17	65	0.6	17	63	0.0	18	69	0.0	27	103	0.0	36	137	0.0	21	82	23	86
557	7.9	17	65	0.9	17	65	0.6	17	64	0.0	18	70	0.0	27	105	0.0	36	139	0.0	21	83	23	88
502	8.0	17	65	0.9	17	65	0.6	17	65	0.0	18	71	0.0	27	106	0.0	36	141	0.0	21	84	23	89

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

TRANSITION CURVES - RURAL
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