

DESIGN FACTORS FOR A DESIGN SPEED OF 90 km/h (RURAL) USING E-8% MAX.

DESIGN VELOCITY -90	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		4.8 m		5.4 m			
	Lt	w	Lt	w	Lt	w	Lt	w	Lt	w	Lt	w	Lt	w	Lt	w		
3000	NC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2186	2.0	12	12	13	13	15	15	15	16	16	16	16	16	16	18	18		
2074	2.1	12	13	14	14	15	15	16	17	17	17	17	17	18	19	19		
1972	2.2	12	13	14	14	15	15	16	17	17	17	17	17	18	19	20		
1880	2.3	12	14	15	15	16	16	17	18	18	18	18	18	19	21	22		
1794	2.4	12	14	15	15	16	16	17	18	18	18	18	18	19	23	24		
1716	2.5	12	15	16	16	17	17	18	19	19	19	19	19	20	24	25		
1644	2.6	12	15	16	16	17	17	18	19	19	19	19	19	20	24	26		
1576	2.7	12	16	17	17	18	18	19	20	20	20	20	20	21	25	27		
1514	2.8	12	17	18	18	19	19	20	21	21	21	21	21	22	26	28		
1456	2.9	12	17	18	19	19	20	21	22	22	22	22	22	23	27	29		
1402	3.0	12	18	19	20	20	21	22	23	23	23	23	23	24	29	30		
1352	3.1	12	18	19	20	20	21	22	23	23	23	23	23	24	29	31		
1303	3.2	12	19	20	21	21	22	23	24	24	24	24	24	25	30	32		
1258	3.3	12	19	20	21	21	22	23	24	24	24	24	24	25	30	33		
1216	3.4	12	20	21	22	22	23	24	25	25	25	25	25	26	31	34		
1176	3.5	12	21	22	23	23	24	25	26	26	26	26	26	27	32	35		
1138	3.6	12	21	22	23	24	24	25	26	26	26	26	26	27	32	36		
1102	3.7	12	22	23	24	24	25	26	27	27	27	27	27	28	33	37		
1068	3.8	12	22	23	24	25	25	26	27	27	27	27	27	28	33	38		
1036	3.9	12	23	24	25	25	26	27	28	28	28	28	28	29	34	39		
1005	4.0	12	23	24	25	26	26	27	28	28	28	28	28	29	34	40		
976	4.1	12	24	25	26	26	27	28	29	29	29	29	29	30	35	41		
948	4.2	12	25	26	27	27	28	29	30	30	30	30	30	31	36	42		
921	4.3	12	25	26	27	28	28	29	30	30	30	30	30	31	36	43		
896	4.4	12	26	27	28	29	29	30	31	31	31	31	31	32	37	44		
871	4.5	12	26	27	28	29	30	31	32	32	32	32	32	33	38	45		
851	4.6	12	27	28	29	30	30	31	32	32	32	32	32	33	39	46		
850	4.6	22	50	0.7	13	30	0.0	15	33	0.0	16	36	0.0	23	53	0.0		
848	4.6	22	50	0.7	13	30	0.0	15	33	0.0	16	36	0.0	23	53	0.0		
826	4.7	22	50	0.7	13	30	0.0	15	33	0.0	16	36	0.0	23	54	0.0		
804	4.8	21	50	0.7	13	31	0.0	15	34	0.0	16	37	0.0	23	56	0.0		
783	4.9	21	50	0.7	13	32	0.0	15	35	0.0	16	38	0.0	23	57	0.0		
763	5.0	20	50	0.7	13	33	0.0	15	36	0.0	16	39	0.0	23	58	0.0		
744	5.1	20	50	0.7	13	33	0.0	15	36	0.0	16	40	0.0	23	59	0.0		
725	5.2	20	50	0.7	13	34	0.0	15	37	0.0	16	40	0.0	23	60	0.0		
707	5.3	19	50	0.8	13	34	0.0	15	38	0.0	16	41	0.0	23	61	0.0		
690	5.4	19	50	0.8	13	35	0.0	15	38	0.0	16	42	0.0	23	63	0.0		
673	5.5	19	50	0.8	13	36	0.0	15	39	0.0	16	43	0.0	23	64	0.0		
657	5.6	18	50	0.8	13	36	0.0	15	40	0.0	16	43	0.0	23	65	0.0		
641	5.7	18	50	0.8	13	37	0.0	15	41	0.0	16	44	0.0	23	66	0.0		
625	5.8	18	50	0.8	13	38	0.0	15	41	0.0	16	45	0.0	23	67	0.0		
611	5.9	17	50	0.8	13	38	0.0	15	42	0.0	16	46	0.0	23	68	0.0		
596	6.0	17	50	0.8	13	39	0.0	15	43	0.0	16	46	0.0	23	69	0.0		
582	6.1	17	50	0.8	13	39	0.0	15	43	0.0	16	47	0.0	23	71	0.0		
568	6.2	17	50	0.8	13	40	0.0	15	44	0.0	16	48	0.0	23	72	0.0		
554	6.3	16	50	0.8	13	41	0.0	15	45	0.0	16	49	0.0	23	73	0.0		
541	6.4	16	50	0.8	13	41	0.0	15	45	0.0	16	50	0.0	23	74	0.0		
528	6.5	16	50	0.8	13	42	0.0	15	46	0.0	16	50	0.0	23	75	0.0		
515	6.6	16	50	0.8	13	43	0.0	15	47	0.0	16	51	0.0	23	76	0.0		
503	6.7	15	50	0.8	13	43	0.0	15	48	0.0	16	52	0.0	23	77	0.0		
490	6.8	15	50	0.8	13	44	0.0	15	48	0.0	16	53	0.0	23	79	0.0		
478	6.9	15	50	0.9	15	50	0.6	15	49	0.0	16	53	0.0	23	80	0.0		
465	7.0	15	50	0.9	15	50	0.6	15	50	0.0	16	54	0.0	23	81	0.0		
453	7.1	15	50	0.9	15	50	0.6	15	50	0.0	16	55	0.0	23	82	0.0		
441	7.2	14	50	0.9	15	51	0.6	15	51	0.0	16	56	0.0	23	83	0.0		
428	7.3	14	50	0.9	15	52	0.6	15	52	0.0	16	56	0.0	23	84	0.0		
416	7.4	14	50	0.9	15	52	0.6	15	52	0.0	16	57	0.0	23	86	0.0		
403	7.5	14	51	0.9	15	53	0.6	15	53	0.0	16	58	0.0	23	87	0.0		
390	7.6	14	51	0.9	15	54	0.6	15	54	0.0	16	59	0.0	23	88	0.0		
376	7.7	14	52	0.9	15	55	0.6	15	55	0.0	16	59	0.0	23	89	0.0		
360	7.8	14	53	0.9	15	55	0.6	15	55	0.0	16	60	0.0	23	90	0.0		
342	7.9	14	54	1.0	15	57	0.7	15	56	0.0	16	61	0.0	23	91	0.0		
304	8.0	14	55	1.0	15	58	0.7	15	57	0.0	16	62	0.0	23	92	0.0		

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
90 km/h DESIGN SPEED

SPECIFICATION REFERENCE