

DESIGN FACTORS FOR A DESIGN SPEED OF 30 MPH (RURAL) USING E= 8% MAX.		TC-5.01												
DESIGN VELOCITY +30	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							
	1 @ 9'		1 @ 10'		1 @ 11'		1 @ 12'		2 @ 12'		16 FT	18 FT		
RADIUS(FT)	E(V)	Lt	Lr	w	Lt	Lr	w	Lt	Lr	w	Lt	Lr	Lt	Lr

REV. 1/07
802.36

TRANSITION CURVES - RURAL

30 MPH DESIGN SPEED

SPECIFICATION
REFERENCE

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

3500	NC	0	0	0.0	0	0	0	0	0	0	0	0	0	0
2402	2.0	28	28	0.0	31	31	0.0	34	34	0.0	37	37	0.0	55
2276	2.1	28	29	0.0	31	32	0.0	34	35	0.0	37	39	0.0	55
2161	2.2	28	30	0.0	31	34	0.0	34	37	0.0	37	40	0.0	55
2056	2.3	28	32	0.0	31	35	0.0	34	39	0.0	37	42	0.0	55
1960	2.4	74	88	2.0	31	37	0.0	34	40	0.0	37	44	0.0	55
1871	2.5	71	88	2.0	31	38	0.0	34	42	0.0	37	46	0.0	55
1789	2.6	68	88	2.0	31	40	0.0	34	44	0.0	37	48	0.0	55
1713	2.7	66	88	2.1	31	41	0.0	34	45	0.0	37	50	0.0	55
1643	2.8	63	88	2.1	31	43	0.0	34	47	0.0	37	51	0.0	55
1577	2.9	61	88	2.1	31	44	0.0	34	49	0.0	37	53	0.0	55
1515	3.0	59	88	2.1	31	46	0.0	34	50	0.0	37	55	0.0	55
1457	3.1	57	88	2.2	31	47	0.0	34	52	0.0	37	57	0.0	55
1403	3.2	55	88	2.2	31	49	0.0	34	54	0.0	37	59	0.0	55
1352	3.3	54	88	2.2	31	50	0.0	34	55	0.0	37	60	0.0	55
1303	3.4	52	88	2.3	31	52	0.0	34	57	0.0	37	62	0.0	55
1258	3.5	51	88	2.3	31	54	0.0	34	59	0.0	37	64	0.0	55
1214	3.6	49	88	2.3	31	55	0.0	34	60	0.0	37	66	0.0	55
1173	3.7	48	88	2.3	31	57	0.0	34	62	0.0	37	68	0.0	55
1134	3.8	47	88	2.4	31	58	0.0	34	64	0.0	37	70	0.0	55
1097	3.9	46	88	2.4	31	60	0.0	34	65	0.0	37	71	0.0	55
1061	4.0	44	88	2.4	31	61	0.0	34	67	0.0	37	73	0.0	55
1028	4.1	43	88	2.5	31	63	0.0	34	69	0.0	37	75	0.0	55
995	4.2	42	88	2.5	31	64	0.0	34	70	0.0	37	77	0.0	55
964	4.3	41	88	2.5	31	66	0.0	34	72	0.0	37	79	0.0	55
934	4.4	40	88	2.6	31	67	0.0	34	74	0.0	37	80	0.0	55
905	4.5	40	88	2.6	31	69	0.0	34	75	0.0	37	82	0.0	55
877	4.6	39	88	2.6	31	70	0.0	34	77	0.0	37	84	0.0	55
851	4.7	38	88	2.7	31	72	0.0	34	79	0.0	37	86	0.0	55
825	4.8	37	88	2.7	31	73	0.0	34	80	0.0	37	88	0.0	55
800	4.9	36	88	2.7	31	75	0.0	34	82	0.0	37	90	0.0	55
775	5.0	36	88	2.8	31	76	0.0	34	84	0.0	37	91	0.0	55
752	5.1	35	88	2.8	31	78	0.0	34	85	0.0	37	93	0.0	55
729	5.2	34	88	2.8	31	79	0.0	34	87	0.0	37	95	0.0	55
706	5.3	34	88	2.9	31	81	0.0	34	89	0.0	37	97	0.0	55
684	5.4	33	88	2.9	31	82	0.0	34	90	0.0	37	99	0.0	55
663	5.5	32	88	3.0	34	92	0.0	34	92	0.0	37	100	0.0	55
641	5.6	33	90	3.0	34	94	2.0	34	94	0.0	37	102	0.0	55
621	5.7	32	91	3.0	34	95	2.0	34	95	0.0	37	104	0.0	55
602	5.8	33	93	3.1	34	98	2.1	34	99	0.0	37	106	0.0	55
583	5.9	33	95	3.1	34	99	2.1	34	100	0.0	37	108	0.0	55
565	6.0	33	97	3.2	34	101	2.2	34	100	0.0	37	110	0.0	55
548	6.1	33	98	3.2	34	103	2.2	34	102	0.0	37	111	0.0	55
531	6.2	33	101	3.3	34	105	2.3	34	104	0.0	37	113	0.0	55
515	6.3	33	102	3.3	34	107	2.3	34	105	0.0	37	115	0.0	55
499	6.4	33	104	3.4	35	109	2.4	34	107	0.0	37	117	0.0	55
484	6.5	33	106	3.4	35	111	2.4	34	109	0.0	37	119	0.0	55
469	6.6	33	108	3.5	35	113	2.5	34	110	0.0	37	120	0.0	55
455	6.7	33	110	3.5	35	115	2.5	34	112	0.0	37	122	0.0	55
441	6.8	33	112	3.6	35	117	2.6	34	114	0.0	37	124	0.0	55
427	6.9	33	113	3.6	35	119	2.6	34	115	0.0	37	126	0.0	55
414	7.0	34	116	3.7	35	121	2.7	34	117	0.0	37	128	0.0	55
400	7.1	34	118	3.8	35	123	2.8	34	119	0.0	37	130	0.0	55
387	7.2	34	119	3.8	35	125	2.8	34	120	0.0	37	131	0.0	55
374	7.3	34	122	3.9	35	127	2.9	34	122	0.0	37	133	0.0	55
361	7.4	34	124	4.0	35	129	3.0	37	135	2.0	37	135	0.0	60
348	7.5	34	126	4.1	36	132	3.1	37	137	2.1	37	137	0.0	60
334	7.6	34	128	4.2	36	134	3.2	37	140	2.2	37	139	0.0	60
320	7.7	35	131	4.3	36	136	3.3	37	142	2.3	37	140	0.0	61
305	7.8	35	133	4.4	36	139	3.4	38	145	2.4	37	142	0.0	62
287	7.9	35	135	4.5	36	141	3.5	38	147	2.5	37	144	0.0	62
251	8.0	35	139	4.9	37	145	3.9	38	151	2.9	37	146	0.0	64