

DESIGN FACTORS FOR A DESIGN SPEED OF 45 MPH (RURAL) USING E= 8% MAX.		DESIGN SOFTWARE EQUIVALENTS (NUMBER OF LANES AT LANE WIDTH)																							
SPECIFICATION REFERENCE	DESIGN VELOCITY -45	WIDTH- 18 FT			WIDTH-20 FT			WIDTH-22 FT			WIDTH-24 FT			WIDTH-48 FT			WIDTH-72 FT			INTERCHANGE RAMPS WIDTH					
		1 @ 9'	1 @ 10'	1 @ 11'	1 @ 10'	1 @ 11'	1 @ 12'	1 @ 10'	1 @ 11'	1 @ 12'	1 @ 10'	1 @ 11'	1 @ 12'	1 @ 10'	1 @ 11'	1 @ 12'	1 @ 10'	1 @ 11'	1 @ 12'	16 FT	18 FT				
	RADIUS(FT) E(%)	Lt	Lr	w	Lt	Lr	w	Lt	Lr	w	Lt	Lr	w	Lt	Lr	w	Lt	Lr	w	Lt	Lr	Lt	Lr		
8000	NC 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4957	2.0	34	34	38	38	38	38	41	41	41	45	45	45	67	67	67	89	89	89	0.0	0.0	53	53	56	0
4702	2.1	34	35	38	38	39	39	41	43	41	45	47	47	67	70	70	89	94	94	0.0	0.0	53	56	56	59
4467	2.2	34	37	38	38	41	41	41	45	45	49	49	49	67	74	74	89	98	98	0.0	0.0	53	58	56	61
4254	2.3	34	39	38	43	43	43	41	47	47	45	52	52	67	77	77	89	103	103	0.0	0.0	53	61	56	64
4057	2.4	34	40	40	38	45	45	40	41	49	40	45	54	67	80	80	89	107	107	0.0	0.0	53	63	56	67
3876	2.5	34	42	42	38	47	47	40	41	51	40	45	56	67	84	84	89	112	112	0.0	0.0	53	66	56	70
3710	2.6	34	44	44	38	49	49	40	41	53	40	45	58	67	87	87	89	116	116	0.0	0.0	53	69	56	72
3554	2.7	34	45	45	38	50	50	40	41	55	40	45	60	67	90	90	90	120	120	0.0	0.0	53	71	56	75
3412	2.8	34	47	47	38	52	52	40	41	58	40	45	63	67	94	94	94	125	125	0.0	0.0	53	74	56	78
3278	2.9	34	49	49	38	54	54	40	41	60	40	45	65	67	97	97	97	129	129	0.0	0.0	53	77	56	81
3152	3.0	34	50	50	38	56	56	40	41	62	40	45	67	67	100	100	100	134	134	0.0	0.0	53	79	56	84
3035	3.1	34	52	52	38	58	58	40	41	64	40	45	69	67	104	104	104	138	138	0.0	0.0	53	82	56	86
2925	3.2	34	54	54	38	60	60	40	41	66	40	45	72	67	107	107	107	143	143	0.0	0.0	53	84	56	89
2866	3.3	34	55	55	38	62	62	40	41	68	40	45	74	67	110	110	110	147	147	0.0	0.0	53	87	56	92
2865	3.3	80	132	2.1	38	62	62	0.0	41	68	0.0	45	74	0.0	67	110	0.0	89	147	0.0	0.0	53	87	56	92
2822	3.3	80	132	2.1	38	62	62	0.0	41	68	0.0	45	74	0.0	67	110	0.0	89	147	0.0	0.0	53	87	56	92
2724	3.4	78	132	2.1	38	63	63	0.0	41	70	0.0	45	76	0.0	67	114	0.0	89	152	0.0	0.0	53	90	56	95
2631	3.5	76	132	2.1	38	65	65	0.0	41	72	0.0	45	78	0.0	67	117	0.0	89	156	0.0	0.0	53	92	56	97
2544	3.6	74	132	2.1	38	67	67	0.0	41	74	0.0	45	80	0.0	67	120	0.0	89	160	0.0	0.0	53	95	56	100
2461	3.7	72	132	2.2	38	69	69	0.0	41	76	0.0	45	83	0.0	67	124	0.0	89	165	0.0	0.0	53	98	56	103
2383	3.8	70	132	2.2	38	71	71	0.0	41	78	0.0	45	85	0.0	67	127	0.0	89	169	0.0	0.0	53	100	56	106
2308	3.9	68	132	2.2	38	73	73	0.0	41	80	0.0	45	87	0.0	67	130	0.0	89	174	0.0	0.0	53	103	56	108
2237	4.0	66	132	2.2	38	75	75	0.0	41	82	0.0	45	89	0.0	67	134	0.0	89	178	0.0	0.0	53	105	56	111
2169	4.1	65	132	2.2	38	76	76	0.0	41	84	0.0	45	92	0.0	67	137	0.0	89	183	0.0	0.0	53	108	56	114
2104	4.2	63	132	2.3	38	78	78	0.0	41	86	0.0	45	94	0.0	67	140	0.0	89	187	0.0	0.0	53	111	56	117
1982	4.4	60	132	2.3	38	80	80	0.0	41	88	0.0	45	96	0.0	67	144	0.0	89	192	0.0	0.0	53	113	56	120
1924	4.5	59	132	2.3	38	84	84	0.0	41	92	0.0	45	100	0.0	67	150	0.0	89	200	0.0	0.0	53	116	56	122
1870	4.6	58	132	2.4	38	86	86	0.0	41	94	0.0	45	103	0.0	67	154	0.0	89	205	0.0	0.0	53	121	56	128
1817	4.7	57	132	2.4	38	88	88	0.0	41	96	0.0	45	105	0.0	67	157	0.0	89	209	0.0	0.0	53	124	56	131
1766	4.8	55	132	2.4	38	89	89	0.0	41	98	0.0	45	107	0.0	67	160	0.0	89	214	0.0	0.0	53	126	56	133
1717	4.9	54	132	2.4	38	91	91	0.0	41	100	0.0	45	109	0.0	67	164	0.0	89	218	0.0	0.0	53	129	56	136
1669	5.0	53	132	2.4	38	93	93	0.0	41	102	0.0	45	112	0.0	67	167	0.0	89	223	0.0	0.0	53	132	56	139
1624	5.1	52	132	2.5	38	95	95	0.0	41	104	0.0	45	114	0.0	67	170	0.0	89	227	0.0	0.0	53	134	56	142
1579	5.2	51	132	2.5	38	97	97	0.0	41	106	0.0	45	116	0.0	67	174	0.0	89	232	0.0	0.0	53	137	56	144
1536	5.3	50	132	2.5	38	99	99	0.0	41	108	0.0	45	118	0.0	67	177	0.0	89	236	0.0	0.0	53	140	56	147
1495	5.4	49	132	2.5	38	100	100	0.0	41	110	0.0	45	120	0.0	67	180	0.0	89	240	0.0	0.0	53	142	56	150
1302	5.9	45	132	2.7	38	102	102	0.0	41	113	0.0	45	123	0.0	67	184	0.0	89	245	0.0	0.0	53	145	56	153
1266	6.0	44	132	2.7	38	104	104	0.0	41	115	0.0	45	125	0.0	67	187	0.0	89	249	0.0	0.0	53	147	56	156
1232	6.1	44	132	2.7	38	106	106	0.0	41	117	0.0	45	127	0.0	67	190	0.0	89	254	0.0	0.0	53	150	56	158
1199	6.2	43	132	2.8	38	108	108	0.0	41	119	0.0	45	129	0.0	67	194	0.0	89	258	0.0	0.0	53	153	56	161
1166	6.3	42	132	2.8	38	117	117	0.0	41	129	0.0	45	140	0.0	67	210	0.0	89	263	0.0	0.0	53	166	56	164
1135	6.4	42	132	2.8	38	119	119	0.0	41	131	0.0	45	143	0.0	67	214	0.0	89	285	0.0	0.0	53	168	56	178
1074	6.5	41	132	2.8	38	121	121	0.0	41	133	0.0	45	145	0.0	67	217	0.0	89	289	0.0	0.0	53	171	56	180
1044	6.7	40	132	2.9	38	123	123	0.0	41	135	0.0	45	147	0.0	67	220	0.0	89	294	0.0	0.0	53	174	56	183
1015	6.8	39	132	2.9	38	126	126	0.0	41	139	0.0	45	152	0.0	67	227	0.0	89	298	0.0	0.0	53	176	56	186
986	6.9	40	135	3.0	41	141	2.0	41	141	0.0	45	154	0.0	67	230	0.0	89	307	0.0	0.0	53	181	56	192	
957	7.0	40	137	3.0	41	143	2.0	41	143	0.0	45	156	0.0	67	234	0.0	89	312	0.0	0.0	53	184	56	194	
929	7.1	40	139	3.1	42	146	2.1	41	145	0.0	45	158	0.0	67	237	0.0	89	316	0.0	0.0	53				