

SUPERELEVATION $e_{\sigma}$	SUPERELEVATION TABLE ( $e_{max}=8\%$ )																					SUPERELEVATION $e_{\sigma}$
	$V_G = 15$ mph			$V_G = 20$ mph			$V_G = 25$ mph			$V_G = 30$ mph			$V_G = 35$ mph			$V_G = 40$ mph			$V_G = 45$ mph			
	RADIUS (FT.)	$L_r$ (FT.)		RADIUS (FT.)	$L_r$ (FT.)		RADIUS (FT.)	$L_r$ (FT.)		RADIUS (FT.)	$L_r$ (FT.)		RADIUS (FT.)	$L_r$ (FT.)		RADIUS (FT.)	$L_r$ (FT.)		RADIUS (FT.)	$L_r$ (FT.)		
		$n_1=1$	$n_1=2$		$n_1=1$	$n_1=2$		$n_1=1$	$n_1=2$		$n_1=1$	$n_1=2$		$n_1=1$	$n_1=2$		$n_1=1$	$n_1=2$		$n_1=1$	$n_1=2$	
-2.0% (NC)	932	31	46	1,640	32	49	2,370	34	51	3,240	36	55	4,260	39	58	5,410	41	62	6,710	44	67	-2.0% (NC)
2.0% (RC)	676	31	46	1,190	32	49	1,720	34	51	2,370	36	55	3,120	39	58	3,970	41	62	4,930	44	67	2.0% (RC)
2.2%	605	34	51	1,070	36	54	1,550	38	57	2,130	40	60	2,800	43	64	3,570	46	68	4,440	49	73	2.2%
2.4%	546	37	55	959	39	58	1,400	41	62	1,930	44	65	2,540	46	70	3,240	50	74	4,030	53	80	2.4%
2.6%	496	40	60	872	42	63	1,280	45	67	1,760	47	71	2,320	50	75	2,960	54	81	3,690	58	87	2.6%
2.8%	453	43	65	796	45	68	1,170	48	72	1,610	51	76	2,130	54	81	2,720	58	87	3,390	62	93	2.8%
3.0%	415	46	69	730	49	73	1,070	51	77	1,480	55	82	1,960	58	87	2,510	62	93	3,130	67	100	3.0%
3.2%	382	49	74	672	52	78	985	55	82	1,370	58	87	1,820	62	93	2,330	66	99	2,900	71	107	3.2%
3.4%	352	52	78	620	55	83	911	58	87	1,270	62	93	1,690	66	99	2,170	70	106	2,700	76	113	3.4%
3.6%	324	55	83	572	58	88	845	62	93	1,180	65	98	1,570	70	105	2,020	74	112	2,520	80	120	3.6%
3.8%	300	58	88	530	62	92	784	65	98	1,100	69	104	1,470	74	110	1,890	79	118	2,360	84	127	3.8%
4.0%	277	62	92	490	65	97	729	69	103	1,030	73	109	1,370	77	116	1,770	83	124	2,220	89	133	4.0%
4.2%	255	65	97	453	68	102	678	72	108	955	76	115	1,280	81	122	1,660	87	130	2,080	93	140	4.2%
4.4%	235	68	102	418	71	107	630	75	113	893	80	120	1,200	85	128	1,560	91	137	1,960	98	147	4.4%
4.6%	215	71	106	384	75	112	585	79	118	834	84	125	1,130	89	134	1,470	95	143	1,850	102	153	4.6%
4.8%	193	74	111	349	78	117	542	82	123	779	87	131	1,060	93	139	1,390	99	149	1,750	107	160	4.8%
5.0%	172	77	115	314	81	122	499	86	129	727	91	136	991	97	145	1,310	103	155	1,650	111	167	5.0%
5.2%	154	80	120	284	84	126	457	89	134	676	95	142	929	101	151	1,230	108	161	1,560	116	173	5.2%
5.4%	139	83	125	258	88	131	420	93	139	627	98	147	870	105	157	1,160	112	168	1,480	120	180	5.4%
5.6%	126	86	129	236	91	136	387	96	144	582	102	153	813	108	163	1,090	116	174	1,390	124	187	5.6%
5.8%	115	89	134	216	94	141	358	99	149	542	105	158	761	112	168	1,030	120	180	1,320	129	193	5.8%
6.0%	105	92	138	199	97	146	332	103	154	506	109	164	713	116	174	965	124	186	1,250	133	200	6.0%
6.2%	97	95	143	184	101	151	308	106	159	472	113	169	669	120	180	909	128	192	1,180	138	207	6.2%
6.4%	89	98	148	170	104	156	287	110	165	442	116	175	628	124	186	857	132	199	1,110	142	213	6.4%
6.6%	82	102	152	157	107	161	267	113	170	413	120	180	590	128	192	808	137	205	1,050	147	220	6.6%
6.8%	76	105	157	146	110	165	248	117	175	386	124	185	553	132	197	761	141	211	990	151	227	6.8%
7.0%	70	108	162	135	114	170	231	120	180	360	127	191	518	135	203	716	145	217	933	156	233	7.0%
7.2%	64	111	166	125	117	175	214	123	185	336	131	196	485	139	209	672	149	223	878	160	240	7.2%
7.4%	59	114	171	115	120	180	198	127	190	312	135	202	451	143	215	628	153	230	822	164	247	7.4%
7.6%	54	117	175	105	123	185	182	130	195	287	138	207	417	147	221	583	157	236	765	169	253	7.6%
7.8%	48	120	180	94	126	190	164	134	201	261	142	213	380	151	226	533	161	242	701	173	260	7.8%
8.0%	38	123	185	76	130	195	134	137	206	214	145	218	314	155	232	444	166	248	587	178	267	8.0%

SUPERELEVATION $e_{\sigma}$	SUPERELEVATION TABLE ( $e_{max}=8\%$ )																					SUPERELEVATION $e_{\sigma}$
	$V_G = 50$ mph			$V_G = 55$ mph			$V_G = 60$ mph			$V_G = 65$ mph			$V_G = 70$ mph			$V_G = 75$ mph			$V_G = 80$ mph			
	RADIUS (FT.)	$L_r$ (FT.)		RADIUS (FT.)	$L_r$ (FT.)		RADIUS (FT.)	$L_r$ (FT.)		RADIUS (FT.)	$L_r$ (FT.)		RADIUS (FT.)	$L_r$ (FT.)		RADIUS (FT.)	$L_r$ (FT.)		RADIUS (FT.)	$L_r$ (FT.)		
		$n_1=1$	$n_1=2$		$n_1=1$	$n_1=2$		$n_1=1$	$n_1=2$		$n_1=1$	$n_1=2$		$n_1=1$	$n_1=2$		$n_1=1$	$n_1=2$		$n_1=1$	$n_1=2$	
-2.0% (NC)	8,150	48	72	9,720	51	77	11,500	53	80	12,900	56	84	14,500	60	90	16,100	63	95	17,800	69	103	-2.0% (NC)
2.0% (RC)	5,990	48	72	7,150	51	77	8,440	53	80	9,510	56	84	10,700	60	90	12,000	63	95	13,300	69	103	2.0% (RC)
2.2%	5,400	53	79	6,450	56	84	7,620	59	86	8,600	61	92	9,660	66	99	10,800	69	104	12,000	75	113	2.2%
2.4%	4,910	58	86	5,870	61	92	6,930	64	96	7,830	67	100	8,810	72	108	9,850	76	114	11,000	82	123	2.4%
2.6%	4,490	62	94	5,370	66	100	6,350	69	104	7,180	73	109	8,090	78	117	9,050	82	123	10,100	89	134	2.6%
2.8%	4,130	67	101	4,950	71	107	5,850	75	112	6,630	78	117	7,470	84	126	8,370	88	133	9,340	96	144	2.8%
3.0%	3,820	72	108	4,580	77	115	5,420	80	120	6,140	84	126	6,930	90	135	7,780	95	142	8,700	103	154	3.0%
3.2%	3,550	77	115	4,250	82	123	5,040	85	128	5,720	89	134	6,460	96	144	7,260	101	152	8,130	110	165	3.2%
3.4%	3,300	82	122	3,970	87	130	4,700	91	136	5,350	95	142	6,050	102	153	6,800	107	161	7,620	117	175	3.4%
3.6%	3,090	86	130	3,710	92	138	4,400	96	144	5,010	100	151	5,680	108	162	6,400	114	171	7,180	123	185	3.6%
3.8%	2,890	91	137	3,480	97	146	4,140	101	152	4,710	106	159	5,350	114	171	6,030	120	180	6,780	130	195	3.8%
4.0%	2,720	96	144	3,270	102	153	3,890	107	160	4,450	112	167	5,050	120	180	5,710	126	189	6,420	137	206	4.0%
4.2%	2,560	101	151	3,080	107	161	3,670	112	168	4,200	117	176	4,780	126	189	5,410	133	199	6,090	144	216	4.2%
4.4%	2,410	106	158	2,910	112	169	3,470	117	176	3,980	123	184	4,540	132	198	5,140	139	208	5,800	151	226	4.4%
4.6%	2,280	110	166	2,750	117	176	3,290	123	184	3,770	128	193	4,310	138	207	4,890	145	218	5,530	158	237	4.6%
4.8%	2,160	115	173	2,610	123	184	3,120	128	192	3,590	134	201	4,100	144	216	4,670	152	227	5,280	165	247	4.8%
5.0%	2,040	120	180	2,470	128	191	2,960	133	200	3,410	140	209	3,910	150	225	4,460	158	237	5,050	171	257	5.0%
5.2%	1,930	125	187	2,350	133	199	2,820	139	208	3,250	145	218	3,740	156	234	4,260	164	246	4,840	178	267	5.2%
5.4%	1,830	130	194	2,230	138	207	2,680	144	216	3,110	151	226	3,570	162	243	4,090	171	256	4,640	185	278	5.4%
5.6%	1,740	134	202	2,120	143	214	2,550	149	224	2,970	156	234	3,420	168	252	3,920	177	265	4,460	192	288	5.6%
5.8%	1,650	139	209	2,010	148	222	2,430	155	232	2,840	162	243	3,280	174	261	3,760	183	275	4,290	199	298	5.8%
6.0%	1,560	144	216	1,920	153	230	2,320	160	240	2,710	167	251	3,150	180	270	3,620	189	284	4,140	206	309	6.0%
6.2%	1,480	149	223	1,820	158	237	2,210	165	248	2,600	173	260	3,020	186	279	3,480	196	294	3,990	213	319	6.2%
6.4%	1,400	154	230	1,730	163	245	2,110	171	256	2,490	179	268	2,910	192	288	3,360	202	303	3,850	219	329	6.4%
6.6%	1,330	158	238	1,650	169	253	2,010	176	264													