

THIS IS A PART OF:

Chapter 4: Horizontal and Vertical Alignment

Table 4-6: Superelevation Runoff Length for Design Superelevation and Design Speed ($e_{\max} = 6\%$), 2 Lanes Rotated, in Feet

e (%)	V _d = 15 mph	V _d = 20 mph	V _d = 25 mph	V _d = 30 mph	V _d = 35 mph	V _d = 40 mph	V _d = 45 mph	V _d = 50 mph	V _d = 55 mph	V _d = 60 mph	V _d = 65 mph	V _d = 70 mph	V _d = 75 mph
1.5	35	37	39	41	44	47	50	54	58	60	63	68	71
2.0	46	49	51	55	58	62	67	72	77	80	84	90	95
2.2	51	54	57	60	64	68	73	79	84	88	92	99	104
2.4	55	58	62	65	70	74	80	86	92	96	100	108	114
2.6	60	63	67	71	75	81	87	94	100	104	109	117	123
2.8	65	68	72	76	81	87	93	101	107	112	117	126	133
3.0	69	73	77	82	87	93	100	108	115	120	126	135	142
3.2	74	78	82	87	93	99	107	115	123	128	134	144	152
3.4	78	83	87	93	99	106	113	122	130	136	142	153	161
3.6	83	88	93	98	105	112	120	130	138	144	151	162	171
3.8	88	92	98	104	110	118	127	137	146	152	159	171	180
4.0	92	97	103	109	116	124	133	144	153	160	167	180	189
4.2	97	102	108	115	122	130	140	151	161	168	176	189	199
4.4	102	107	113	120	128	137	147	158	169	176	184	198	208
4.6	106	112	118	125	134	143	153	166	176	184	193	207	218
4.8	111	117	123	131	139	149	160	173	184	192	201	216	227
5.0	115	122	129	136	145	155	167	180	191	200	209	225	237
5.2	120	126	134	142	151	161	173	187	199	208	218	234	246
5.4	125	131	139	147	157	168	180	194	207	216	226	243	256
5.6	129	136	144	153	163	174	187	202	214	224	234	252	265
5.8	134	141	149	158	168	180	193	209	222	232	243	261	275
6.0	138	146	154	164	174	186	200	216	230	240	251	270	284

Note: 2 lanes rotated is typical for 4-lane highway.

Source: A Policy on Geometric Design of Highways and Streets, AASHTO, 2018. Chapter 3 Elements of Design, Table 3-16a