Table 10-4. Speed Change Lane Adjustment Factors as a Function of Grade

	4,304	P6/4/57	Wietrii			
Design	Deceleration Lanes					
Speed of Highway (km/h)	Ratio of Length on Grade to Length on Level for Design  Speed of Turning Curve (km/h) <sup>a</sup>					
All Speeds	3 to 4% upgrade 0.9 5 to 6% upgrade 0.8			3 to 4% downgrade 1.2 5 to 6% downgrade 1.35		
All Speeds						
Design	Acceleration Lanes  Ratio of Length on Grade to Length of Level for Design Speed of Turning Curve (km/h) <sup>a</sup>					
Speed of Highway (km/h)						
	40	50	60	70	80	All Speeds
	3 to 4% Upgrade					3 to 4% Downgrade
60	1.3	1.4	1.4	-	_	0.7
70	1.3	1.4	1.4	1.5	_	0.65
80	1.4	1.5	1.5	1.5	1.6	0.65
90	1.4	1.5	1.5	1.5	1.6	0.6
100	1.5	1.6	1.7	1.7	1.8	0.6
110	1.5	1.6	1.7	1.7	1.8	0.6
120	1.5	1.6	1.7	1.7	1.8	0.6
	5 to 6% Upgrade					5 to 6% Downgrade
60	1.5	1.5	_	-	_	0.6
70	1.5	1.6	1.7	_		0.6
80	1.5	1.7	1.9	1.8	_	0.55
90	1.6	1.8	2.0	2.1	2.2	0.55
100	1.7	1.9	2.2	2.4	2.5	0.5
110	2.0	2.2	2.6	2.8	3.0	0.5
120	2.3	2.5	3.0	3.2	3.5	0,5

Ratio from this table multiplied by the length in Table 10-3 or Table 10-5 gives length of speed change lane on grade.