R	V <sub>d</sub> = 30 km/h L (m)			V <sub>d</sub> = 40 km/h			V <sub>d</sub> = 50 km/h			$V_d = 60 \text{ km/h}$			V <sub>d</sub> = 70 km/h			V <sub>d</sub> = 80 km/h			V <sub>e</sub> = 90 km/h			V <sub>4</sub> = 100 km/h			$\frac{V_d = 110 \text{ km/h}}{L \text{ (m)}}$			$\frac{V_d = 120 \text{ km}}{L \text{ (m)}}$		
				L (m)		L (m)		L (m)		m)		L	(m)	L (m)		m)	L (m		(m)		L (m)				m)			m)		
	e (%)	2 Lns	4 Lns	e (%)	2 Lns	4 Lns	e (%)	2 Lns	4 Lns	e (%)	2 Lns	4 Lns	e (%)	2 Lns	4 Lns	e (%)	2 Lns	4 Lns	e (%)	2 Lns	4 Lns	e (%)	2 Lns	4 Lns	e (%)	2 Lns	4 Lns	e (%)	2 Lns	4 Lns
(m)	(70)	Lais	LIIS	(70)	Lus	Lus	(70)			(,0)			(,,,			(,			-											
000	NC	0	0	NC	0	0	NC	0	0	NC	0	0	NC	0	0	NC	0	0	NC	0	0	NC	0	0	NC	0	0	NC	0	0
5000	NC	0	0	NC	0	0	NC	0	0	NC	0	0	NC	0	0	NC	0	0	NC	0	0	NC	0	0	NC	0	0	NC	0	0
3000	NC	0	0	NC	0	0	NC	0	0	NC	0	0	NC	0	0	NC	0	0	NC	0	0	RC	56	84	RC	61	92	2.1	67	101
2500	NC	0	0	NC	0	0	NC	0	0	NC	0	0	NC	0	0	NC	0	0	RC	50	75	RC	56	84	2.1	61	92	2.4	67	101
2000	NC	0	0	NC	0	0	NC	0	0	NC	0	0	NC	0	0	RC	44	66	RC	50	75	2.2	56	84	2.4	61	92	2.8	67	101
1500	NC	0	0	NC	0	0	NC	0	0	NC	0	0	RC	39	59	RC	44	66	2.3	50	75	2.6	56	84	2.9	61	92	3.3	67	101
1400	NC	ō	ō	NC	0	0	NC	0	0	NC	0	0	RC	39	59	2.1	44	66	2.4	50	75	2.7	56	84	3.0	61	92	3.5	67	101
1300	NC	ŏ	ō	NC	0	0	NC	0	0	NC	0	0	RC	39	59	2.2	44	66	2.5	50	75	2.8	56	84	3.1	61	92	3.6	67	101
1200	NC	ŏ	o	NC	Ö	0	NC	0	0	RC	33	50	RC	39	59	2.3	44	66	2.6	50	75	2.9	56	84	3.3	61	92	3.7	67	101
1000	NC	ő	ŏ	NC	ŏ	0	NC	0	0	RC	33	50	2.2	39	59	2.5	44	66	2.8	50	75	3.2	56	84	3.6	61	92	3.9	67	101
900	NC	ñ	ŏ	NC	ŏ	õ	RC	28	42	RC	33	50	2.4	39	59	2.7	44	66	3.0	50	75	3.4	56	84	3.7	61	92	4.0	67	101
800	NC	ő	ő	NC	ő	ŏ	RC	28	42	2.1	33	50	2.5	39	59	2.8	44	66	3.2	50	75	3.5	56	84	3.9	61	92	R,	min = 8°	70
700	NC	0	ő	NC	ő	ŏ	RC	28	42	2.3	33	50	2.7	39	59	3.0	44	66	3.4	50	75	3.7	56	84	4.0	61	92	-		
600	NC	0	0	RC	22	33	2.1	28	42	2.5	33	50	2.9	39	59	3.2	44	66	3.6	50	75	3.9	56	84	R	<sub>min</sub> = 63	15			
	NC	0	0	RC	22	33	2.3	28	42	2.7	33	50	3.1	39	59	3.5	44	66	3.8	50	75	4.0	56	84		1821				
500 400	NC NC	0	0	2.1	22	33	2.5	28	42	2.9	33	50	3.4	39	59	3.7	44	66	4.0	50	75	R	<sub>min</sub> = 4	90						
		17	26	2.4	22	33	2.8	28	42	3.3	33	50	3.8	39	59	4.0	44	66		min = 3			mun							
300	RC		26	2.6	22	33	3.0	28	42	3.6	33	50	3.9	39	59		nio = 21			mu -										
250	RC	17	26	2.8	22	33	3.3	28	42	3.8	33	50	R	. = 2		• • •	nin	,,,												
200	2.3	17		2.9	22	33	3.5	28	42	3.9	33	50	**	min - ~																
175	2.4	17	26			33	3.7	28	42	4.0	33	50																-		
150	2.5	17	26	3.1	22	33	3.8		42								l e		= 4.	0%										
140	2.6	17	26	3.2	22			28	42	ĸ,	= 1:	00					e <sub>m</sub>	n X		dius	of cur	ve								
130	2.6	17	26	3.3	22	33	3.8	28	42								v			sume			4							
120	2.7	17	26	3.4	22	33	3.9	28									, v													
110	2.8	17	26	3.5	22	33	4.0	28	42								e			te of					_					
100	2.9	17	26	3.6	22	33	4.0	28	42								L		= m	unimu	ım le	ngth (	of rur	off (d	loes n	ot inc	lude	tange	nt rur	iout)
90	3.0	17	26	3.7	22	33	R	main = 1	UU								NO.	2	= ne	ormal	crow	n sec	tion							
80	3.2	17	26	3.8	22	33											RC		= ге	move	adve	erse c	rown	. supe	releva	ate at	norm	al cro	wn sl	ope
70	3.3	17	26	3.9	22	33											*``	•						,p						
60	3.5	17	26	4.0	22	33												. ,		.1	4	. :			10			-1a-	aalaul	lation.
50	3.7	18	27	F	min = 6	0											No	te:	Lengi	ins ro	undec	ıınn	ınıab	ies oi	10 m	perm	ii sin	pier	caicui	auon
40	3.9	19	28														1	i	Use o	fe <sub>max</sub>	= 4.0	)% sh	ould	be lir	nited	to urb	an co	nditie	ons	
30	- F	= 3	15																											

	V <sub>4</sub> = 30 km/h			V,	V <sub>4</sub> = 40 km/h			V <sub>4</sub> = 50 km/h			V <sub>4</sub> = 60 km/h			V_= 70 km/h			V_= 80 km/h			V <sub>4</sub> = 90 km/h V			V <sub>4</sub> = 100 km/h			V <sub>4</sub> = 110 km/h			V <sub>4</sub> = 120 km/h		
	L (m)		L (m)		L (m)		L (m)			L (m)		L (m)		(m)	L (m)			L (m)		L (m)		(m)		L	L (m)						
R	e	2	4	e	2	4	e	2	4	e	2	4	e	2	4	e	2	4	e	2	4	e	2	4	e	2	4	e	2	4	
(m)	(%)	Lns	Lns	(%)	Lns	Lns	(%)	Lns	Lns	(%)	Lns	Lns	(%)	Lns	Lns	(%)	Lns	Lns	(%)	Lns	Lns	(%)	Lns	Lns	(%)	Lns	Lns	(%)	Lns	Lns	
7000	NC	0	0	NC	0	0	NC	0	0	NC	0	0	NC	0	0	NC	0	0	NC	0	0	NC	0	0	NC	0	0	NC	0	0	
5000	NC	0	0	NC	0	0	NC	0	0	NC	0	0	NC	0	0	NC	0	0	NC	0	0	NC	0	0	NC	0	0	NC	0	0	
3000	NC	0	0	NC	0	0	NC	0	0	NC	0	0	NC	0	0	NC	0	0	NC	0	0	RÇ	56	84	RC	61	92	2.3	67	101	
2500	NC	0	0	NC	0	0	NC	0	0	NC	0	0	NC	0	0	NC	0	0	RC	50	75	RC	56	84	2.3	61	92	2.7	67	101	
2000	NC	0	0	NC	0	0	NC	0	0	NC	0	0	NC	0	0	RC	44	66	2.1	50	75	2.5	56	84	2.8	61	92	3.3	67	101	
1500	NC	0	0	NC	0	0	NC	0	0	NC	0	0	RC	39	59	2.2	44	66	2.7	50	75	3.1	56	84	3.6	61	92	4.2	67	101	
1400	NC	0	0	NC	0	0	NC	0	0	NC	0	0	RC	39	59	2.4	44	66	2.8	50	75	3.3	56	84	3.8	61	92	4.4	67	101	
1300	NC	0	0	NC	0	0	NC	0	0	RC	33	50	2.1	39	59	2.5	44	66	3.0	50	75	3.5	56	84	4.0	61	92	4.7	67	101	
1200	NC	0	0	NC	0	0	NC	0	0	RC	33	50	2.2	39	59	2.7	44	66	3.2	50	75	3.7	56	84	4.2	61	92	5.0	67	101	
1000	NC	0	0	NC	0	0	RC	28	42	2.1	33	50	2.6	39	59	3.1	44	66	3.6	50	75	4.2	56	84	4.8	61	92	5.5	67	101	
900	NC	0	0	NC	0	0	RC	28	42	2.3	33	50	2.8	39	59	3.4	44	66	3.9	50	75	4.5	56	84	5.1	61	92	5.8	67	101	
800	NC	0	0	NC	0	0	RC	28	42	2.5	33	50	3.1	39	59	3.6	44	66	4.2	50	75	4.9	56	84	5.4	61	92	6.0	67	101	
700	NC	0	0	RC	22	33	2.1	28	42	2.8	33	50	3.4	39	59	4.0	44	66	4.6	50	75	5.2	56	84	5.7	61	92	R	. = 7	55	
600	NC	0	0	RC	22	33	2.4	28	42	3.1	33	50	3.8	39	59	4.3	44	66	5.0	50	75	5.6	56	84	6.0	61	92	n	an .		
500	NC	0	0	2.1	22	33	2.8	28	42	3.5	33	50	4.2	39	59	4.8	44	66	5.4	50	75	5.9	56	84	R.	<sub>nin</sub> = 56	0				
400	RC	17	26	2.5	22	33	3.3	28	42	4.0	33	50	4.7	39	59	5.3	44	66	5.9	50	75	R.	<sub>sia</sub> = 4	35	•	rain					
300	RC	17	26	3.1	22	33	3.9	28	42	4.6	33	50	5.4	39	59	5.9	44	66	R	= 3	35	-									
250	2.3	17	26	3.5	22	33	4.2	28	42	5.0	33	50	5.7	39	59	6.0	44	66													
200	2.8	17	26	3.9	22	33	4.7	28	42	5.5	33	50	6.0	39	59	R	. = 2	50													
175	3.0	17	26	4.1	22	33	5.0	28	42	5.8	35	52	R_	<sub>in</sub> = 19	5		•														
150	3.3	17	26	4.4	23	34	5.3	29	43	5.9	35	53		•••																	
140	3.5	17	26	4.5	23	35	5.4	29	44	6.0	36	54					_														
130	3.6	17	26	4.6	24	36	5.6	30	45	R <sub>m</sub>	. = 13	5					- 1	e <sub>max</sub>	=	6.09	%										
120	3.8	18	27	4.8	25	37	5.7	31	46									R	=	radi	us of	curve									
110	3.9	19	28	5.0	26	39	5.8	31	47								ľ	v	=			desig		ed							
100	4.1	20	29	5.2	27	40	5.9	32	48								1					perele									
90	4.2	20	30	5.4	28	42	6.0	32	49								- 1	e	=						r.,						
30	4.5	22	32	5.6	29	43	R	<sub>100</sub> = 90	)								- 1	L	==						I (doc	es not	ınclu	de tai	igent	runou	
70	4.7	23	34	5.8	30	45												NC	=			own:									
50	5.0	24	36	6.0	31	46												RC	=	rem	ove a	dvers	е сто	wn, si	uperel	levate	at no	rmal	crow	n slope	
60	5.4	26	39	R.	<sub>nin</sub> = 55																				-					-	
<b>1</b> 0	5.8	28	42	,														Note	: Le	neths	roun	ded ir	n mirl	tiples	of 10	) m re	rmit	simpl	er cal	culation	
10	6.0	29	43																							рс		Jp.	va		
	R	nia = 30																													