

OHJEET TIEINVESTOINTILASKELMIEN SUORITTAMISEKSI

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TAULUKKOLIITTEET

I-VI

OHJEET TIEINVESTOINTILASKELMIEN SUORITTAMISEKSI

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sisäisen koron määrittämiseksi

Taulukkoja I:1-4 koskevat selitykset

Vuosittaista kustannussäästöä y merkitään:

$$y = y_1 - y_2 = (a_1 - a_2)t + (b_1 - b_2) = at + b$$

Tienrakenuskustannusten K erotuksen ($K_2 - K_1$) tulee olla yhtä suuri kuin vuosittaiset kustannussäästöt (20 vuoden aikana) diskontattuna nykyarvoon sisäisellä korolla r . Muut käytetyt symbolit ilmenevät ohjeiden kohdassa 2.4.

Taulukoissa 1-4 on r laskettu yhtälöstä:

$$K = \frac{a+b}{1+r} + \frac{2a+b}{(1+r)^2} + \dots + \frac{20a+b}{(1+r)^{20}} = \sum_{t=1}^{20} \frac{at+b}{(1+r)^t}$$

$$\frac{K}{b} = \sum_{t=1}^{20} \frac{\frac{a}{b} \cdot t + 1}{(1+r)^t}$$

Yhtälö (1) on laskettu $\frac{K}{b}$:n sekä $\frac{a}{b}$:n vaihtoehtoisille arvoille siten, että $0 < r \leq 200$. Sellaiset $\frac{K}{b}$:n ja $\frac{a}{b}$:n kombinaatiot, jotka antavat $r < 0$ on taulukoissa ilmaistu (-) merkillä sekä kombinaatiot, joilla $r > 200$ on ilmaistu (*).

Taulukko I:1

Sisäinen korko r kun $0.00 \leq a/b \leq 0.45$

K/b	a/b									
	0.00	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45
0.50	200.0	*								
0.55	181.8	195.6	*							
0.60	166.7	179.6	192.0	*						
0.65	153.8	166.1	177.9	189.1	*	*				
0.70	142.8	154.6	165.7	176.4	186.7	196.7				
0.75	133.3	144.6	155.2	165.4	175.2	184.7	194.0	*		
0.80	125.0	135.8	146.0	155.7	165.1	174.1	182.9	191.6	*	*
0.85	117.6	128.1	137.9	147.2	156.2	164.9	173.3	181.5	189.5	197.4
0.90	111.1	121.2	130.7	139.7	148.3	156.6	164.7	172.5	180.2	187.7
0.95	105.2	115.1	124.2	132.9	141.2	149.2	157.0	164.5	171.9	179.1
1.00	100.0	109.5	118.4	126.8	134.8	142.5	150.0	157.2	164.3	171.2
1.10	90.0	100.0	108.4	116.2	123.8	131.0	137.9	144.7	151.3	157.7
1.20	83.3	92.0	100.0	107.4	114.5	121.3	127.9	134.2	140.4	146.4
1.30	76.9	85.3	92.9	100.0	106.7	113.1	119.3	125.3	131.1	136.8
1.40	71.4	79.5	86.8	93.6	100.0	106.1	112.0	117.7	123.2	128.6
1.50	66.6	74.4	81.5	88.0	94.1	100.0	105.6	111.0	116.3	121.4
1.60	62.5	70.1	76.9	83.1	89.0	94.6	100.0	105.1	110.2	115.0
1.70	58.8	66.2	72.8	78.8	84.5	89.9	95.0	100.0	104.8	109.5
1.80	55.5	62.7	69.1	75.0	80.5	85.6	90.6	95.4	100.0	104.5
1.90	62.6	59.6	65.9	71.5	76.8	81.9	86.6	91.2	95.7	100.0
2.00	50.0	56.8	62.9	68.4	73.6	78.4	83.0	87.5	91.8	95.9
2.25	44.4	51.0	56.7	61.9	66.6	71.2	75.4	79.5	83.5	87.3
2.50	39.9	46.2	51.7	56.6	61.1	65.3	69.3	73.1	76.8	80.4
2.75	36.3	42.4	47.6	52.2	56.5	60.4	64.2	67.8	71.3	74.6
3.00	33.2	39.1	44.1	48.6	52.6	56.4	60.0	63.4	66.6	69.8
3.25	30.6	36.4	41.2	45.4	49.3	52.9	56.3	59.6	62.7	65.7
3.50	28.4	34.0	38.7	42.7	46.5	49.9	53.2	56.3	59.3	62.1
3.75	26.4	31.9	36.5	40.4	44.0	47.3	50.5	53.4	56.3	59.0
4.00	24.7	30.1	34.5	38.3	41.8	45.0	48.0	50.9	53.5	56.2
4.25	23.2	28.5	32.8	36.5	39.8	43.0	45.9	48.6	51.2	53.7
5.00	19.4	24.5	28.5	32.0	35.1	37.9	40.6	43.1	45.5	47.7
6.00	15.8	20.6	24.4	27.6	30.5	33.0	35.4	37.7	39.8	41.9
7.00	13.1	17.7	21.3	24.3	27.0	29.4	31.6	33.7	35.7	37.5
8.00	10.9	15.5	18.9	21.8	24.3	26.6	28.6	30.6	32.4	34.3
9.00	9.2	13.6	17.0	19.7	22.1	24.2	26.2	28.1	29.8	31.4
10.00	7.7	12.1	15.3	18.0	20.3	22.3	24.2	26.0	27.6	29.2
11.00	6.5	10.8	13.9	16.5	18.8	20.7	22.6	24.2	25.8	27.3
12.00	5.4	9.7	12.8	15.3	17.4	19.3	21.1	22.7	24.2	25.6
13.00	4.5	8.7	11.7	14.1	16.2	18.1	19.8	21.4	22.8	24.2
14.00	3.7	7.8	10.8	13.2	15.2	17.0	18.7	20.2	21.6	22.9
15.00	2.9	7.0	9.9	12.3	14.2	16.1	17.7	19.1	20.5	21.8
20.00	0.0	3.9	6.6	8.8	10.7	12.3	14.0	15.4	16.6	17.7
25.00	-	1.8	4.4	6.5	8.2	9.8	11.1	12.4	13.5	14.6
30.00	-	0.1	2.7	4.7	6.4	7.8	9.1	10.2	11.4	12.4
35.00	-	-	1.3	3.3	4.9	6.3	7.5	8.7	9.7	10.7
40.00	-	-	0.2	2.1	3.7	5.0	6.2	7.3	8.3	9.2
45.00	-	-	-	1.1	2.6	4.0	5.1	6.2	7.2	8.1
50.00	-	-	-	0.2	1.7	3.0	4.2	5.2	6.2	7.0
55.00	-	-	-	-	1.0	2.2	3.3	4.4	5.3	6.1
60.00	-	-	-	-	0.2	1.5	2.6	3.6	4.5	5.3

Taulukko I:2

Sisäinen korko r kun $0.50 \leq a/b \leq 0.95$

K/b	a/b									
	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95
0.50	*									
0.55	*									
0.60	*									
0.65	*									
0.70	*									
0.75	*									
0.80	*									
0.85	*									
0.90	195.1	*								
0.95	186.2	193.1	*	*						
1.00	178.0	184.7	191.3	197.8	*	*	*			
1.10	164.0	170.3	176.3	182.4	188.3	194.2	200.0	*	*	
1.20	152.3	158.1	163.8	169.5	175.0	180.4	185.8	191.2	196.5	*
1.30	142.4	147.8	153.2	158.5	163.7	168.8	173.8	178.8	183.8	188.7
1.40	133.8	139.0	144.0	149.0	153.9	158.7	163.5	168.2	172.9	177.5
1.50	126.3	131.3	136.1	140.8	145.4	150.0	154.5	159.0	163.4	167.7
1.60	119.8	124.5	129.0	133.5	137.9	142.3	146.6	150.8	155.0	159.2
1.70	114.0	118.5	122.8	127.1	131.3	135.5	139.6	143.6	147.6	151.6
1.80	108.8	113.1	117.3	121.4	125.4	129.4	133.3	137.2	141.0	144.8
1.90	104.2	108.3	112.3	116.2	120.1	123.9	127.7	131.4	135.1	138.7
2.00	100.0	103.9	107.8	111.6	115.3	119.0	122.6	126.2	129.7	133.2
2.25	91.0	94.7	98.2	101.7	105.1	108.5	111.8	115.0	118.3	121.4
2.50	83.8	87.2	90.5	93.7	96.9	100.0	103.0	106.0	109.0	111.9
2.75	77.9	81.0	84.1	87.1	90.1	92.0	85.8	98.6	101.3	104.1
3.00	72.8	75.8	78.7	81.6	84.3	87.0	89.7	92.3	94.9	97.5
3.25	68.6	71.4	74.1	76.8	79.4	82.0	84.5	87.0	89.4	91.8
3.50	64.8	67.5	70.1	72.7	75.2	77.6	80.0	82.3	84.7	86.9
3.75	61.6	64.2	66.6	69.1	71.4	73.7	76.0	78.3	80.5	82.6
4.00	58.7	61.2	63.6	65.9	68.2	70.4	72.5	74.7	76.8	78.9
4.25	56.2	58.5	60.8	63.0	65.2	67.3	69.4	71.5	73.5	75.5
5.00	49.9	52.0	54.1	56.1	58.1	60.0	61.8	63.7	65.5	67.2
6.00	43.8	45.7	47.5	49.4	51.0	52.7	54.4	56.0	57.6	59.2
7.00	39.3	41.0	42.7	44.3	45.9	47.4	48.9	50.4	51.8	53.3
8.00	35.8	37.4	39.0	40.5	41.9	43.3	44.7	46.0	47.4	48.6
9.00	33.0	34.5	35.9	37.3	38.7	40.0	41.3	42.5	43.8	45.0
10.00	30.7	32.1	33.4	34.8	36.0	37.3	38.5	39.6	40.8	41.9
11.00	28.7	30.0	31.3	32.6	33.8	34.9	36.1	37.2	38.3	39.4
12.00	27.0	28.3	29.5	30.7	31.9	33.0	34.1	35.1	36.1	37.2
13.00	25.5	26.7	27.9	29.1	30.2	31.3	32.3	33.3	34.3	35.3
14.00	24.2	25.4	26.5	27.6	28.7	29.7	30.7	31.7	32.7	33.6
15.00	23.0	24.2	25.3	26.3	27.4	28.4	29.4	30.3	31.2	32.1
20.00	18.6	19.6	20.6	21.5	22.4	23.3	24.1	25.0	25.7	26.5
25.00	15.6	16.5	17.4	18.3	19.1	19.9	20.6	21.4	22.1	22.8
30.00	13.3	14.2	15.0	15.8	16.6	17.4	18.1	18.7	19.4	20.1
35.00	11.6	12.4	13.2	14.0	14.7	15.4	16.1	16.7	17.3	17.9
40.00	10.1	10.9	11.7	12.4	13.1	13.8	14.4	15.0	15.6	16.2
45.00	8.9	9.7	10.4	11.1	11.8	12.4	13.0	13.6	14.2	14.8
50.00	7.8	8.6	9.3	10.0	10.6	11.3	11.8	12.4	13.0	13.5
55.00	6.9	7.7	8.4	9.0	9.7	10.3	10.8	11.4	11.9	12.4
60.00	6.1	6.8	7.5	8.2	8.8	9.4	9.9	10.5	11.0	11.5

Taulukko I:3

Sisäinen korko r kun $1.00 \leq a/b \leq 1.90$

K/b	a/b									
	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90
1.00	*									
1.10	*									
1.20	*									
1.30	193.6	*								
1.40	182.0	191.1	*	*						
1.50	172.0	180.6	189.0	197.2	*					
1.60	163.2	171.4	179.3	187.2	194.9	*				
1.70	155.4	163.2	170.7	178.2	185.5	192.8	*	*		
1.80	148.5	155.9	163.1	170.2	177.2	184.1	191.0	197.7	*	
1.90	142.2	149.3	156.2	163.0	169.7	176.3	182.9	189.4	195.8	*
2.00	136.6	143.3	150.0	156.5	162.9	169.3	175.5	181.8	187.9	193.9
2.25	124.5	130.7	136.7	142.7	148.5	154.3	160.0	165.6	171.2	176.7
2.50	114.8	120.5	126.1	132.5	136.9	142.2	147.4	152.5	157.6	162.7
2.75	106.8	112.0	117.2	122.3	127.3	132.2	137.0	141.8	146.5	151.1
3.00	100.0	104.9	109.7	114.5	119.2	123.7	128.2	132.7	137.1	141.4
3.25	94.2	98.8	103.4	107.9	112.2	116.5	120.7	124.9	129.0	133.1
3.50	89.1	93.6	97.9	102.1	106.2	110.3	114.3	118.2	122.1	125.9
3.75	84.7	89.0	93.1	97.1	100.9	104.8	108.6	112.3	116.0	119.7
4.00	80.9	84.9	88.7	92.6	96.3	100.0	103.6	107.1	110.6	114.1
4.25	77.4	81.2	85.0	88.6	92.2	95.7	99.1	102.5	105.9	109.2
5.00	69.0	72.4	75.7	78.9	82.1	85.2	88.2	91.2	94.2	97.1
6.00	60.7	63.7	66.6	69.5	72.3	75.0	77.7	80.3	82.8	85.4
7.00	54.6	57.3	60.0	62.5	65.0	67.4	69.8	72.2	74.5	76.8
8.00	49.9	52.4	54.8	57.1	59.4	61.6	63.8	65.9	68.0	70.1
9.00	46.2	48.4	50.6	52.8	54.9	57.0	59.0	60.9	62.9	64.8
10.00	43.0	45.2	47.3	49.2	51.2	53.1	55.0	56.8	58.6	60.4
11.00	40.4	42.4	44.4	46.3	48.1	49.9	51.6	53.4	55.1	56.7
12.00	38.2	40.1	41.9	43.7	45.5	47.2	48.8	50.5	52.0	53.6
13.00	36.2	38.0	39.8	41.5	43.2	44.8	46.4	47.9	49.4	50.9
14.00	34.5	36.3	38.0	39.6	41.2	42.7	44.2	45.7	47.1	48.5
15.00	33.0	34.7	36.3	37.9	39.4	40.9	42.3	43.7	45.1	46.4
20.00	27.3	28.7	30.1	31.5	32.7	34.0	35.2	36.4	37.6	38.7
25.00	23.4	24.8	26.0	27.2	28.4	29.5	30.5	31.6	32.6	33.6
30.00	20.7	21.9	23.0	24.1	25.2	26.2	27.2	28.1	29.1	30.0
35.00	18.5	19.6	20.7	21.7	22.7	23.6	24.6	25.4	26.3	27.1
40.00	16.7	17.8	18.8	19.8	20.7	21.6	22.4	23.3	24.1	24.9
45.00	15.3	16.3	17.3	18.2	19.1	19.9	20.7	21.5	22.3	23.0
50.00	14.0	15.0	15.9	16.8	17.7	18.5	19.3	20.0	20.7	21.5
55.00	12.9	13.9	14.8	15.6	16.4	17.2	18.0	18.7	19.4	20.1
60.00	12.0	12.9	13.8	14.6	15.4	16.1	16.9	17.6	18.2	18.9

Taulukko I:4

Sisäinen korko r kun $2.00 \leq a/b \leq 4.25$

K/b	a/b									
	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25
2.00	200.0	*								
2.25	182.1	195.6	*							
2.50	167.7	180.0	192.0	*	*					
2.75	155.7	167.1	178.3	189.2	200.0	*				
3.00	145.7	156.3	166.6	176.8	186.8	196.7	*			
3.25	137.1	147.1	156.7	166.3	175.6	184.8	194.0	*		
3.50	129.7	139.1	148.2	157.1	165.9	174.6	183.1	191.6	200.0	*
3.75	123.2	132.1	140.7	149.2	157.5	165.6	173.7	181.7	189.6	197.4
4.00	117.5	125.9	134.1	142.1	150.0	157.7	165.4	172.9	180.4	187.8
4.25	112.4	120.4	128.2	135.9	143.3	150.7	158.0	165.2	172.3	179.3
5.00	100.0	107.0	113.9	120.6	127.2	133.6	140.0	146.3	152.5	158.6
6.00	87.9	94.0	100.0	105.8	111.5	117.1	122.6	128.0	133.3	138.6
7.00	79.0	84.5	89.9	94.9	100.0	104.9	109.8	114.6	119.3	124.0
8.00	72.1	77.1	81.9	86.5	91.1	95.6	100.0	104.3	108.5	112.7
9.00	66.6	71.2	75.6	79.9	84.1	88.2	92.2	96.1	100.0	103.8
10.00	62.1	66.4	70.4	74.4	78.3	82.1	85.8	89.4	93.0	96.5
11.00	58.4	62.3	66.1	69.9	73.4	77.0	80.4	83.8	87.2	90.4
12.00	55.1	58.9	62.5	66.0	69.3	72.7	75.9	79.1	82.2	85.3
13.00	52.4	55.9	59.3	62.6	65.8	68.9	72.0	75.0	77.9	80.8
14.00	49.9	53.3	56.5	59.6	62.7	65.7	68.6	71.4	74.2	76.9
15.00	47.8	51.0	54.1	57.1	60.0	62.8	65.6	68.3	70.9	73.5
20.00	39.8	42.5	45.1	47.5	49.9	52.2	54.5	56.7	58.9	61.0
25.00	34.6	36.9	39.2	41.3	43.4	45.4	47.4	49.3	51.1	53.0
30.00	30.8	33.0	35.0	36.9	38.8	40.5	42.3	44.0	45.7	47.3
35.00	28.0	29.9	31.8	33.5	35.2	36.9	38.5	40.0	41.5	43.0
40.00	25.6	27.5	29.2	30.9	32.4	34.0	35.4	36.9	38.3	39.6
45.00	23.8	25.5	27.1	28.7	30.1	31.6	33.0	34.3	35.6	36.8
50.00	22.1	23.8	25.3	26.8	28.2	29.6	30.9	32.1	33.4	34.5
55.00	20.7	22.3	23.8	25.2	26.5	27.8	29.1	30.3	31.4	32.6
60.00	19.5	21.1	22.5	23.8	25.1	26.4	27.5	28.7	29.8	30.9

L i t e II

K O R O N K O R K O T E K I J Ä T A U L U K O T II:1-2

Taulukko II:1

$$\text{Korkotekijä } \left(1 + \frac{P}{100}\right)^n$$

Jak- sol.	0,5 %	1 % ^b	1,5 %	2 %	2,5 %	3 %	3,5 %	4 %
1	1,005	1,01	1,015	1,02	1,025	1,03	1,035	1,04
2	1,01003	1,0201	1,03023	1,0404	1,05063	1,0609	1,07123	1,0816
3	1,01503	1,03030	1,04568	1,06121	1,07689	1,09273	1,10872	1,12486
4	1,02015	1,04060	1,06136	1,08243	1,10381	1,12551	1,14752	1,16986
5	1,02525	1,05101	1,07728	1,10408	1,13141	1,15927	1,18769	1,21665
6	1,03038	1,06152	1,09344	1,12616	1,15969	1,19405	1,22926	1,26532
7	1,03553	1,07214	1,10984	1,14869	1,18869	1,22987	1,27228	1,31593
8	1,04071	1,08286	1,12649	1,17166	1,21840	1,26677	1,31681	1,36857
9	1,04591	1,09369	1,14339	1,19509	1,24886	1,30477	1,36290	1,42331
10	1,05114	1,10462	1,16054	1,21899	1,28003	1,34392	1,41060	1,48024
11	1,05640	1,11567	1,17795	1,24337	1,31209	1,38423	1,45997	1,53945
12	1,06168	1,12683	1,19562	1,26824	1,34489	1,42576	1,51107	1,60103
13	1,06699	1,13809	1,21355	1,29361	1,37851	1,46853	1,56396	1,66507
14	1,07232	1,14947	1,23176	1,31948	1,41297	1,51259	1,61869	1,73168
15	1,07768	1,16097	1,25023	1,34587	1,44830	1,55797	1,67535	1,80094
16	1,08307	1,17258	1,26899	1,37279	1,48451	1,60471	1,73399	1,87298
17	1,08849	1,18430	1,28802	1,40024	1,52162	1,65285	1,79468	1,94790
18	1,09393	1,19615	1,30754	1,42825	1,55966	1,70243	1,85749	2,02582
19	1,09940	1,20811	1,32695	1,45681	1,59865	1,75351	1,92250	2,10685
20	1,10490	1,22019	1,34636	1,48595	1,63862	1,80611	1,98979	2,19112
21	1,11042	1,23239	1,36703	1,51567	1,67938	1,86029	2,05943	2,27877
22	1,11597	1,24472	1,38756	1,54598	1,72157	1,91610	2,13151	2,36992
23	1,12155	1,25716	1,40838	1,57690	1,76461	1,97359	2,20611	2,46472
24	1,12716	1,26973	1,42950	1,60844	1,80873	2,03279	2,28333	2,56330
25	1,13280	1,28243	1,45095	1,64061	1,85394	2,09378	2,36324	2,66584
26	1,13846	1,29526	1,47271	1,67342	1,90029	2,15659	2,44596	2,77247
27	1,14415	1,30821	1,49480	1,70689	1,94780	2,22129	2,53157	2,88337
28	1,14987	1,32129	1,51722	1,74102	1,99650	2,28793	2,62017	2,99870
29	1,15562	1,33450	1,53993	1,77584	2,04641	2,35657	2,71188	3,11865
30	1,16140	1,34785	1,56303	1,81136	2,09757	2,42726	2,80679	3,24340
31	1,16721	1,36133	1,58653	1,84769	2,15001	2,50008	2,90503	3,37313
32	1,17304	1,37494	1,61032	1,88454	2,20376	2,57503	3,00671	3,50806
33	1,17891	1,38869	1,63443	1,92233	2,25885	2,65234	3,11194	3,64838
34	1,18480	1,40258	1,65900	1,96068	2,31532	2,73191	3,22086	3,79432
35	1,19073	1,41660	1,68388	1,99989	2,37321	2,81386	3,33359	3,94609
36	1,19668	1,43077	1,70914	2,03989	2,43254	2,89828	3,45027	4,10395
37	1,20266	1,44508	1,73478	2,08069	2,49335	2,98523	3,57103	4,26809
38	1,20868	1,45953	1,76080	2,12230	2,55563	3,07478	3,69601	4,43831
39	1,21472	1,47412	1,78721	2,16474	2,61957	3,16703	3,82537	4,61637
40	1,22079	1,48886	1,81402	2,20804	2,68506	3,26204	3,95926	4,80102
41	1,22690	1,50375	1,84123	2,25220	2,75219	3,35990	4,09785	4,99306
42	1,23303	1,51879	1,86885	2,29724	2,82100	3,46070	4,24126	5,19278
43	1,23920	1,53398	1,89688	2,34319	2,89152	3,56452	4,38970	5,40050
44	1,24539	1,54932	1,92533	2,39005	2,96381	3,67145	4,54334	5,61652
45	1,25162	1,56481	1,95421	2,43785	3,03790	3,78160	4,70236	5,84118
46	1,25788	1,58046	1,98353	2,48661	3,11385	3,89504	4,86694	6,07482
47	1,26417	1,59626	2,01328	2,53634	3,19170	4,01190	5,03728	6,31782
48	1,27049	1,61223	2,04348	2,58707	3,27149	4,13225	5,21359	6,57053
49	1,27684	1,62835	2,07413	2,63881	3,35323	4,25622	5,39606	6,83335
50	1,28323	1,64463	2,10524	2,69159	3,43711	4,38391	5,58493	7,10668
Jak- sol.	0,5 %	1 %	1,5 %	2 %	2,5 %	3 %	3,5 %	4 %

Taulukko II:2

Korkotekijä

Jak- sol.	4,5 %	5 %	5,5 %	6 %	6,5 %	7 %	7,5 %	8 %
1	1,045	1,05	1,055	1,06	1,065	1,07	1,075	1,08
2	1,09203	1,1025	1,11303	1,1236	1,13423	1,1449	1,15563	1,1664
3	1,14117	1,15763	1,17424	1,19102	1,20795	1,22504	1,24230	1,25971
4	1,19252	1,21551	1,23882	1,26248	1,28647	1,31080	1,33547	1,36049
5	1,24618	1,27628	1,30696	1,33823	1,37009	1,40255	1,43563	1,46933
6	1,30226	1,34010	1,37884	1,41852	1,45914	1,50073	1,54330	1,58687
7	1,36086	1,40710	1,45468	1,50363	1,55399	1,60578	1,65905	1,71382
8	1,42210	1,47746	1,53469	1,59385	1,65500	1,71819	1,78348	1,85093
9	1,48610	1,55133	1,61909	1,68948	1,76257	1,83846	1,91724	1,99900
10	1,55297	1,62889	1,70814	1,79085	1,87714	1,96715	2,06103	2,15893
11	1,62285	1,71034	1,80209	1,89830	1,99915	2,10485	2,21561	2,33164
12	1,69588	1,79586	1,90121	2,01220	2,12910	2,25219	2,38178	2,51817
13	1,77220	1,88565	2,00577	2,13293	2,26749	2,40985	2,56041	2,71962
14	1,85194	1,97993	2,11609	2,26090	2,41487	2,57853	2,75244	2,93719
15	1,93528	2,07893	2,23248	2,39656	2,57184	2,75903	2,95888	3,17217
16	2,02237	2,18287	2,35526	2,54035	2,73901	2,95216	3,18079	3,42594
17	2,11338	2,29202	2,48480	2,69277	2,91705	3,15882	3,41935	3,70002
18	2,20848	2,40662	2,62147	2,85434	3,10665	3,37993	3,67580	3,99602
19	2,30786	2,52695	2,76565	3,02560	3,30859	3,61653	3,95149	4,31570
20	2,41171	2,65330	2,91776	3,20714	3,52365	3,86968	4,24785	4,66096
21	2,52024	2,78596	3,07823	3,39956	3,75268	4,14056	4,56644	5,03383
22	2,63365	2,92526	3,24754	3,60351	3,99661	4,43040	4,90892	5,43654
23	2,75217	3,07152	3,42615	3,81975	4,25639	4,74053	5,27709	5,87146
24	2,87601	3,22510	3,61459	4,04893	4,53305	5,07237	5,67287	6,34118
25	3,00543	3,38635	3,81339	4,29187	4,82770	5,42743	6,09834	6,84848
26	3,14068	3,55567	4,02313	4,54938	5,14150	5,80735	6,55572	7,39635
27	3,28201	3,73346	4,24440	4,82235	5,47570	6,21387	7,04739	7,98806
28	3,42970	3,92013	4,47784	5,11169	5,83162	6,64884	7,57595	8,62711
29	3,58404	4,11614	4,72412	5,41839	6,21067	7,11426	8,14414	9,31727
30	3,74532	4,32194	4,98395	5,74349	6,61437	7,61226	8,75496	10,06266
31	3,91386	4,53804	5,25807	6,08810	7,04430	8,14511	9,41158	10,86767
32	4,08998	4,76494	5,54726	6,45339	7,50218	8,71527	10,11745	11,73708
33	4,27403	5,00319	5,85236	6,84059	7,98982	9,32534	10,87625	12,67605
34	4,46636	5,25335	6,17424	7,25103	8,50916	9,97811	11,69197	13,69013
35	4,66735	5,51602	6,51383	7,68609	9,06225	10,67658	12,56887	14,78534
36	4,87738	5,79182	6,87209	8,14725	9,65130	11,42394	13,51154	15,96817
37	5,09686	6,08141	7,25005	8,63609	10,27864	12,22362	14,52490	17,24563
38	5,32622	6,38548	7,64880	9,15425	10,94675	13,07927	15,61427	18,62528
39	5,56590	6,70475	8,06949	9,70351	11,65829	13,99482	16,78534	20,11530
40	5,81636	7,03999	8,51331	10,28572	12,41607	14,97446	18,04424	21,72452
41	6,07810	7,39199	8,98154	10,90286	13,22312	16,02267	19,39756	23,46248
42	6,35162	7,76159	9,47553	11,55703	14,08262	17,14426	20,85237	25,33948
43	6,63744	8,14967	9,99668	12,25045	14,99799	18,34435	22,41630	27,36664
44	6,93612	8,55715	10,54650	12,98548	15,97286	19,62846	24,09752	29,55597
45	7,24825	8,98501	11,12655	13,76461	17,01110	21,00245	25,90484	34,92045
46	7,57442	9,43426	11,73851	14,59049	18,11682	22,47262	27,84770	34,47409
47	7,91527	9,90597	12,38413	15,46592	19,29441	24,04571	29,93628	37,23201
48	8,27146	10,40127	13,06526	16,39387	20,54855	25,72891	32,18150	40,21057
49	8,64367	10,92133	13,78385	17,37750	21,88421	27,52993	34,59511	43,42742
50	9,03264	11,46740	14,54196	18,42015	23,30668	29,45703	37,18975	46,90161
Jak- sol.	4,5 %	5 %	5,5 %	6 %	6,5 %	7 %	7,5 %	8 %

Liite III

DISKONTTAUSTEKIJÄTAULUKOT III:1-3

Taulukko III:1

$$\text{Diskonttaustekijä } v^n = \frac{1}{(1+i)^n}$$

n/i	1 %	2 %	3 %	4 %	5 %	6 %	7 %	8 %	9 %	10 %
1	0.9901	0.9803	0.9708	0.9615	0.9523	0.9434	0.9345	0.9259	0.9174	0.9090
2	0.9803	0.9611	0.9426	0.9245	0.9070	0.8900	0.8734	0.8573	0.8416	0.8264
3	0.9705	0.9423	0.9151	0.8890	0.8638	0.8396	0.8163	0.7938	0.7721	0.7513
4	0.9609	0.9238	0.8884	0.8548	0.8227	0.7920	0.7629	0.7350	0.7084	0.6830
5	0.9514	0.9057	0.8626	0.8219	0.7835	0.7472	0.7129	0.6805	0.6499	0.6209
6	0.9420	0.8879	0.8374	0.7903	0.7462	0.7049	0.6663	0.6301	0.5962	0.5644
7	0.9327	0.8705	0.8130	0.7599	0.7106	0.6650	0.6227	0.5834	0.5470	0.5131
8	0.9234	0.8534	0.7894	0.7306	0.6768	0.6274	0.5820	0.5402	0.5018	0.4665
9	0.9143	0.8367	0.7664	0.7025	0.6446	0.5919	0.5439	0.5002	0.4604	0.4241
10	0.9052	0.8203	0.7440	0.6755	0.6139	0.5583	0.5083	0.4631	0.4224	0.3855
11	0.8963	0.8042	0.7224	0.6495	0.5846	0.5267	0.4750	0.4288	0.3875	0.3504
12	0.8874	0.7884	0.7013	0.6246	0.5568	0.4969	0.4440	0.3971	0.3555	0.3186
13	0.8786	0.7730	0.6809	0.6005	0.5303	0.4688	0.4149	0.3677	0.3261	0.2896
14	0.8699	0.7578	0.6611	0.5774	0.5050	0.4423	0.3878	0.3404	0.2992	0.2633
15	0.8613	0.7430	0.6418	0.5552	0.4810	0.4172	0.3624	0.3152	0.2745	0.2393
16	0.8528	0.7284	0.6231	0.5339	0.4581	0.3936	0.3387	0.2918	0.2518	0.2176
17	0.8443	0.7141	0.6050	0.5133	0.4363	0.3713	0.3165	0.2702	0.2310	0.1978
18	0.8360	0.7001	0.5873	0.4936	0.4155	0.3503	0.2958	0.2502	0.2119	0.1798
19	0.8277	0.6864	0.5702	0.4746	0.3957	0.3305	0.2765	0.2317	0.1944	0.1635
20	0.8195	0.6729	0.5536	0.4563	0.3768	0.3118	0.2584	0.2145	0.1784	0.1486
21	0.8114	0.6597	0.5375	0.4388	0.3589	0.2941	0.2415	0.1986	0.1637	0.1351
22	0.8034	0.6468	0.5218	0.4219	0.3418	0.2775	0.2257	0.1839	0.1501	0.1228
23	0.7954	0.6341	0.5066	0.4057	0.3255	0.2618	0.2109	0.1703	0.1377	0.1116
24	0.7875	0.6217	0.4919	0.3901	0.3100	0.2464	0.1971	0.1577	0.1269	0.1015
25	0.7797	0.6095	0.4776	0.3751	0.2953	0.2330	0.1842	0.1460	0.1159	0.0923
26	0.7720	0.5975	0.4636	0.3606	0.2812	0.2198	0.1722	0.1352	0.1063	0.0839
27	0.7644	0.5858	0.4501	0.3468	0.2678	0.2073	0.1609	0.1251	0.0976	0.0762
28	0.7568	0.5743	0.4370	0.3334	0.2550	0.1956	0.1504	0.1159	0.0895	0.0693
29	0.7493	0.5631	0.4243	0.3206	0.2429	0.1845	0.1405	0.1073	0.0821	0.0630
30	0.7419	0.5520	0.4119	0.3083	0.2313	0.1741	0.1313	0.0993	0.0753	0.0573
31	0.7345	0.5412	0.3999	0.2964	0.2203	0.1642	0.1227	0.0920	0.0691	0.0521
32	0.7273	0.5306	0.3883	0.2850	0.2098	0.1549	0.1147	0.0852	0.0634	0.0473
33	0.7201	0.5202	0.3770	0.2740	0.1998	0.1461	0.1072	0.0788	0.0582	0.0430
34	0.7129	0.5100	0.3660	0.2635	0.1903	0.1379	0.1002	0.0730	0.0533	0.0391
35	0.7059	0.5000	0.3553	0.2534	0.1812	0.1301	0.0936	0.0676	0.0489	0.0355
36	0.6989	0.4902	0.3450	0.2436	0.1726	0.1227	0.0875	0.0626	0.0449	0.0323
37	0.6920	0.4806	0.3349	0.2343	0.1644	0.1157	0.0818	0.0579	0.0412	0.0294
38	0.6851	0.4711	0.3252	0.2252	0.1566	0.1092	0.0764	0.0536	0.0378	0.0267
39	0.6783	0.4619	0.3157	0.2166	0.1491	0.1030	0.0714	0.0497	0.0347	0.0243
40	0.6716	0.4528	0.3065	0.2082	0.1420	0.0972	0.0667	0.0460	0.0318	0.0220
50	0.6080	0.3715	0.2281	0.1407	0.0872	0.0543	0.0339	0.0213	0.0134	0.0085
60	0.5504	0.3048	0.1697	0.0951	0.0535	0.0303	0.0173	0.0099	0.0057	0.0033
70	0.4983	0.2500	0.1263	0.0642	0.0329	0.0169	0.0088	0.0046	0.0024	0.0013
80	0.4511	0.2051	0.0940	0.0434	0.0202	0.0094	0.0045	0.0021	0.0010	0.0005
90	0.4084	0.1683	0.0699	0.0293	0.0124	0.0053	0.0023	0.0010	0.0004	0.0002
100	0.3697	0.1380	0.0520	0.0198	0.0076	0.0029	0.0011	0.0004	0.0002	0.0001

Taulukko III:3

Diskonttaustekijä

n/i	25 %	30 %	35 %	40 %	45 %	50 %
1	0.8000	0.7692	0.7407	0.7142	0.6896	0.6666
2	0.6400	0.5917	0.5487	0.5102	0.4756	0.4444
3	0.5120	0.4551	0.4064	0.3644	0.3280	0.2963
4	0.4096	0.3501	0.3010	0.2603	0.2262	0.1975
5	0.3276	0.2693	0.2230	0.1859	0.1560	0.1316
6	0.2621	0.2071	0.1652	0.1328	0.1075	0.0877
7	0.2097	0.1593	0.1223	0.0948	0.0742	0.0585
8	0.1677	0.1225	0.0906	0.0677	0.0511	0.0390
9	0.1342	0.0943	0.0671	0.0484	0.0352	0.0260
10	0.1073	0.0725	0.0497	0.0345	0.0243	0.0173
11	0.0859	0.0558	0.0368	0.0246	0.0167	0.0115
12	0.0687	0.0429	0.0272	0.0176	0.0115	0.0077
13	0.0549	0.0330	0.0202	0.0126	0.0079	0.0051
14	0.0439	0.0254	0.0149	0.0090	0.0055	0.0034
15	0.0351	0.0195	0.0110	0.0064	0.0038	0.0022
16	0.0281	0.0150	0.0082	0.0045	0.0026	0.0015
17	0.0225	0.0115	0.0060	0.0032	0.0018	0.0010
18	0.0180	0.0088	0.0045	0.0023	0.0012	0.0006
19	0.0144	0.0068	0.0033	0.0016	0.0008	0.0004
20	0.0115	0.0052	0.0024	0.0012	0.0005	0.0003
21	0.0092	0.0040	0.0018	0.0008	0.0004	0.0002
22	0.0073	0.0031	0.0013	0.0006	0.0002	0.0001
23	0.0059	0.0023	0.0010	0.0004	0.0001	0.0000
24	0.0047	0.0018	0.0007	0.0003	0.0001	
25	0.0037	0.0014	0.0005	0.0002	0.0000	
26	0.0030	0.0010	0.0004	0.0001		
27	0.0024	0.0008	0.0003	0.0001		
28	0.0019	0.0006	0.0002	0.0001		
29	0.0015	0.0005	0.0001	0.0001		
30	0.0012	0.0003	0.0001	0.0000		
31	0.0009	0.0002	0.0001			
32	0.0007	0.0002	0.0001			
33	0.0006	0.0001	0.0001			
34	0.0005	0.0001	0.0000			
35	0.0004	0.0001				
36	0.0003	0.0000				
37	0.0002					
38	0.0002					
39	0.0001					
40	0.0001					
50	0.0000					

L i t e IV

KUOLETUS- 1. ANNUITEETTITEKIJÄ-
TAULUKOT IV:1-2

Taulukko IV:1

Kuoletus- 1. annuiteettitekijä $\frac{i(1+i)^n}{(1+i)^n - 1}$

n/i	1 %	2 %	3 %	4 %	5 %	6 %	7 %	8 %	9 %	10 %
1	1.0100	1.0200	1.0300	1.0400	1.0500	1.0600	1.0700	1.0800	1.0900	1.1000
2	0.5075	0.5150	0.5226	0.5302	0.5378	0.5454	0.5531	0.5608	0.5685	0.5762
3	0.3400	0.3467	0.3535	0.3603	0.3672	0.3741	0.3810	0.3880	0.3951	0.4021
4	0.2563	0.2626	0.2690	0.2755	0.2820	0.2886	0.2952	0.3019	0.3087	0.3155
5	0.2060	0.2122	0.2183	0.2246	0.2310	0.2374	0.2439	0.2505	0.2571	0.2638
6	0.1725	0.1785	0.1846	0.1908	0.1970	0.2034	0.2098	0.2163	0.2229	0.2296
7	0.1486	0.1545	0.1605	0.1666	0.1728	0.1791	0.1856	0.1921	0.1987	0.2054
8	0.1307	0.1365	0.1425	0.1485	0.1547	0.1610	0.1675	0.1740	0.1807	0.1874
9	0.1167	0.1225	0.1284	0.1345	0.1407	0.1470	0.1535	0.1601	0.1668	0.1736
10	0.1056	0.1113	0.1172	0.1233	0.1295	0.1359	0.1424	0.1490	0.1558	0.1627
11	0.0964	0.1022	0.1081	0.1141	0.1204	0.1268	0.1334	0.1401	0.1469	0.1540
12	0.0888	0.0946	0.1005	0.1065	0.1128	0.1193	0.1259	0.1327	0.1396	0.1468
13	0.0824	0.0881	0.0940	0.1001	0.1065	0.1130	0.1197	0.1265	0.1336	0.1408
14	0.0769	0.0826	0.0885	0.0947	0.1010	0.1076	0.1143	0.1213	0.1284	0.1357
15	0.0721	0.0778	0.0838	0.0899	0.0963	0.1030	0.1098	0.1168	0.1241	0.1315
16	0.0679	0.0736	0.0796	0.0858	0.0923	0.0989	0.1059	0.1130	0.1203	0.1278
17	0.0643	0.0700	0.0759	0.0822	0.0887	0.0954	0.1024	0.1096	0.1170	0.1247
18	0.0610	0.0667	0.0727	0.0790	0.0855	0.0924	0.0994	0.1067	0.1142	0.1219
19	0.0580	0.0638	0.0698	0.0761	0.0827	0.0896	0.0967	0.1041	0.1117	0.1195
20	0.0554	0.0612	0.0672	0.0736	0.0802	0.0872	0.0944	0.1018	0.1095	0.1175
21	0.0530	0.0588	0.0649	0.0713	0.0780	0.0850	0.0923	0.0998	0.1076	0.1156
22	0.0509	0.0566	0.0627	0.0692	0.0760	0.0830	0.0904	0.0980	0.1059	0.1140
23	0.0489	0.0547	0.0608	0.0673	0.0741	0.0813	0.0887	0.0964	0.1044	0.1126
24	0.0471	0.0529	0.0590	0.0656	0.0725	0.0797	0.0872	0.0950	0.1030	0.1113
25	0.0454	0.0512	0.0574	0.0640	0.0709	0.0782	0.0858	0.0937	0.1018	0.1102
30	0.0388	0.0446	0.0510	0.0578	0.0650	0.0726	0.0806	0.0888	0.0973	0.1061
35	0.0340	0.0400	0.0465	0.0536	0.0611	0.0690	0.0772	0.0858	0.0946	0.1037
40	0.0305	0.0366	0.0433	0.0505	0.0583	0.0665	0.0750	0.0839	0.0930	0.1023
50	0.0255	0.0318	0.0389	0.0466	0.0548	0.0634	0.0725	0.0817	0.0912	0.1009
60	0.0222	0.0288	0.0361	0.0442	0.0528	0.0619	0.0712	0.0808	0.0905	0.1003
70	0.0199	0.0267	0.0343	0.0427	0.0517	0.0610	0.0706	0.0804	0.0902	0.1001
80	0.0182	0.0252	0.0331	0.0418	0.0510	0.0606	0.0703	0.0802	0.0901	0.1000
90	0.0169	0.0240	0.0323	0.0412	0.0506	0.0603	0.0702	0.0801	0.0900	
100	0.0159	0.0232	0.0316	0.0408	0.0504	0.0602	0.0701	0.0800		

Taulukko IV:3

Kuoletus- 1. annuiteettitekijä

n/i	25 %	30 %	35 %	40 %	45 %	50 %
1	1.2500	1.3000	1.3500	1.4000	1.4500	1.5000
2	0.6944	0.7348	0.7755	0.8167	0.8582	0.9000
3	0.5123	0.5506	0.5897	0.6294	0.6697	0.7105
4	0.4234	0.4616	0.5008	0.5408	0.5816	0.6231
5	0.3718	0.4106	0.4505	0.4914	0.5332	0.5758
6	0.3388	0.3784	0.4193	0.4613	0.5043	0.5481
7	0.3163	0.3569	0.3988	0.4419	0.4860	0.5311
8	0.3004	0.3419	0.3849	0.4291	0.4743	0.5203
9	0.2888	0.3312	0.3752	0.4203	0.4665	0.5133
10	0.2801	0.3235	0.3683	0.4143	0.4612	0.5088
11	0.2735	0.3177	0.3634	0.4101	0.4577	0.5058
12	0.2684	0.3134	0.3598	0.4072	0.4553	0.5039
13	0.2645	0.3102	0.3572	0.4051	0.4536	0.5026
14	0.2615	0.3078	0.3553	0.4036	0.4525	0.5017
15	0.2591	0.3060	0.3539	0.4026	0.4517	0.5011
16	0.2572	0.3046	0.3529	0.4018	0.4512	0.5008
17	0.2558	0.3035	0.3521	0.4013	0.4508	0.5005
18	0.2546	0.3027	0.3516	0.4009	0.4506	0.5003
19	0.2537	0.3021	0.3512	0.4007	0.4504	0.5002
20	0.2529	0.3016	0.3509	0.4005	0.4503	0.5001
21	0.2523	0.3012	0.3506	0.4003	0.4502	0.5001
22	0.2519	0.3009	0.3505	0.4002	0.4501	0.5001
23	0.2515	0.3007	0.3503	0.4002	0.4501	0.5000
24	0.2512	0.3005	0.3503	0.4001	0.4501	
25	0.2510	0.3004	0.3502	0.4001	0.4500	
30	0.2503	0.3001	0.3500	0.4000		
35	0.2501	0.3000				
40	0.2500					

L i i t e V

N O P E U S T A U L U K O T V:1-5

NOPEUS km/h moottoritiellä



T	k		0	50	100	0	50	100
	m							
500	0		100	95	90	70	67	64
	20		98	93	88	65	61	59
	40		90	86	81	40	40	40
1000	0		95	90	86	69	66	64
	20		93	88	84	62	60	58
	40		88	84	80	40	40	40
1500	0		90	86	81	68	65	63
	20		88	84	80	62	60	58
	40		85	81	77	40	40	40
2000	0		85	81	77	66	64	61
	20		83	79	75	62	60	57
	40		81	77	74	40	40	40
2500	0		80	76	73	65	63	60
	20		78	74	71	61	59	56
	40		77	74	70	40	40	40
3000	0		75	72	69	63	61	59
	20		73	70	67	59	57	55
	40		72	69	66	40	40	40
3500	0		70	67	64	60	58	56
	20		68	65	62	57	55	53
	40		67	64	61	40	40	40
4000	0		65	63	60	57	55	53
	20		63	61	58	53	52	50
	40		62	60	57	40	40	40

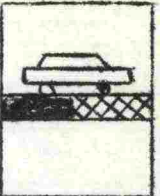
Selitykset:

T = tuntiliikenne (hay) yhdessä suunnassa

m = mäkisyys

k = kaarteisuus

NOPEUS km/h
2-kaistaisilla teillä



T	P-leikk m	13/7.5			10/7			8/7			7/6			5.5			
		k	0	50	100	0	50	100	0	50	100	0	50	100	0	50	100
150	0		90	86	81	86	82	78	82	78	75	78	75	71	75	72	69
	20		88	84	80	84	80	76	80	76	73	76	73	70	73	70	67
	40		85	81	77	82	78	75	78	75	71	75	72	69	72	69	66
	60		79	76	72	77	74	70	75	72	69	72	69	66	70	67	64
450	0		85	81	77	81	77	74	78	75	71	75	72	69	71	68	65
	20		83	79	76	79	76	72	76	73	70	73	70	69	69	66	64
	40		81	78	74	78	75	71	75	72	69	72	69	66	68	65	63
	60		77	74	70	75	72	69	72	69	66	70	67	64	66	64	61
750	0		78	75	71	74	71	68	71	68	65	67	64	61	63	61	59
	20		76	73	70	72	69	66	69	66	64	65	63	60	61	59	57
	40		75	72	69	71	68	65	68	65	63	64	62	59	60	58	56
	60		72	69	66	69	66	64	66	64	61	62	60	58	58	56	54
1050	0		72	69	66	68	65	63	64	62	59	59	57	55	52	51	50
	20		70	67	64	66	64	61	62	60	58	58	56	54	52	51	50
	40		69	66	64	65	63	60	61	59	57	56	54	53	51	50	49
	60		67	64	62	63	61	59	59	57	55	55	53	52	49	48	47
1350	0		67	64	62	62	60	58	56	54	53	51	50	49	42	42	42
	20		65	63	60	60	58	56	55	53	52	51	50	49	42	42	42
	40		64	62	59	59	57	55	54	53	51	50	49	48	42	42	42
	60		62	60	58	57	55	54	52	51	50	49	48	47	42	42	42
1650	0		62	60	58	56	54	53	50	49	48	45	44	44			
	20		60	58	56	55	53	52	50	49	48	45	44	44			
	40		59	57	55	54	53	51	49	48	47	45	44	44			
	60		57	55	54	52	51	50	48	47	46	44	44	43			

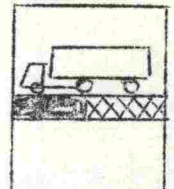
Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

NOPEUS km/h
2-kaistaisilla teillä



P-leikk. T	m	13/7.5			10/7			8/7			7/6			5.5		
		0	50	100	0	50	100	0	50	100	0	50	100	0	50	100
150	0	68	65	63	67	64	62	65	63	60	64	62	59	62	60	58
	20	63	61	59	61	59	57	61	59	57	60	58	56	59	57	55
	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
	60	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
450	0	66	64	61	65	63	60	64	62	59	62	60	58	61	59	57
	20	61	59	57	61	59	57	60	58	56	59	57	55	58	56	54
	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
	60	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
750	0	64	62	59	62	60	58	60	58	56	58	56	54	56	54	53
	20	60	58	56	59	57	55	57	55	54	55	53	52	54	53	51
	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
	60	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
1050	0	61	59	57	59	57	55	57	55	54	54	53	51	49	48	47
	20	58	56	54	56	54	53	54	53	51	52	50	50	48	47	46
	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
	60	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
1350	0	59	57	55	56	54	53	52	51	50	48	47	46	40	40	40
	20	56	54	53	54	53	51	51	50	49	47	46	45	40	40	40
	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
	60	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
1650	0	56	54	53	52	51	50	47	46	46	43	43	42			
	20	54	53	51	51	50	49	46	45	45	43	43	42			
	40	40	40	40	40	40	40	40	40	40	39	39	39			
	60	30	30	30	30	30	30	30	30	30	30	30	30			

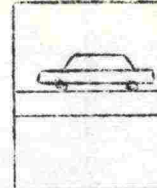
Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

NOPEUS km/h
2-kaistaisilla teillä



T	P-leikk. m	8/7			7/6			5.5		
		k	0	50	100	0	50	100	0	50
150	0	71	69	67	69	67	64	67	64	62
	20	70	67	65	67	65	63	65	63	61
	40	68	65	63	66	64	61	64	62	60
	60	66	64	61	64	62	59	62	60	58
450	0	69	67	64	67	64	62	64	62	60
	20	67	65	63	65	63	62	62	60	59
	40	66	64	62	64	62	60	61	59	57
	60	64	62	59	62	60	58	60	59	57
750	0	63	61	59	60	59	57	58	57	56
	20	62	60	58	59	58	56	57	56	55
	40	60	58	56	57	55	54	56	55	54
	60	59	57	55	56	54	53	54	53	51
1050	0	59	58	56	56	55	53	51	50	50
	20	58	56	55	55	54	53	51	50	50
	40	56	54	53	54	53	52	50	50	49
	60	55	53	52	52	51	50	48	47	46
1350	0	54	53	52	50	50	49	42	42	42
	20	53	52	51	50	50	49	42	42	42
	40	52	51	50	49	48	47	42	42	42
	60	51	50	50	48	47	46	42	42	42
1650	0	50	49	48	45	44	44			
	20	50	49	48	45	44	44			
	40	49	48	47	45	44	44			
	60	48	47	46	44	44	43			

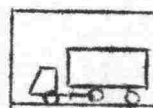
Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

NOPEUS km/h
2-kaistaisilla teillä



P-leikk T	m ^k	8/7			7/6			5.5		
		0	50	100	0	50	100	0	50	100
150	0	60	58	57	59	58	56	58	57	55
	20	57	56	55	57	55	54	56	55	53
	40	40	40	40	40	40	40	40	40	40
	60	30	30	30	30	30	30	30	30	30
450	0	59	58	56	58	57	55	57	56	55
	20	57	55	54	56	55	53	55	54	53
	40	40	40	40	40	40	40	40	40	40
	60	30	30	30	30	30	30	30	30	30
750	0	57	55	54	55	54	53	54	53	52
	20	55	53	53	54	52	51	53	52	50
	40	40	40	40	40	40	40	40	40	40
	60	30	30	30	30	30	30	30	30	30
1050	0	55	53	53	52	51	50	49	48	47
	20	53	52	50	51	50	50	48	47	46
	40	40	40	40	40	40	40	40	40	40
	60	30	30	30	30	30	30	30	30	30
1350	0	51	50	50	48	47	46	40	40	40
	20	50	50	49	47	46	45	40	40	40
	40	40	40	40	40	40	40	38	38	38
	60	30	30	30	30	30	30	30	30	30
1650	0	47	46	46	43	43	42			
	20	46	45	45	43	43	42			
	40	40	40	40	39	39	39			
	60	30	30	30	30	30	30			

Selitykset:

T = tuntiliikenne (hay)

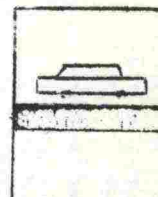
m = mäkisyys

k = kaarteisuus

Liite VI

AJOKUSTANNUSTAULUKOT VI:1-28

AJOKUSTANNUKSET p/km
moottoritiellä
kestäpäällyste



T	V K m	1965			1970			1975			1980		
		0	50	100	0	50	100	0	50	100	0	50	100
500	0	13.7	13.6	13.6	14.4	14.3	14.4	15.2	15.1	15.3	16.3	16.2	16.5
	20	13.7	13.7	13.7	14.4	14.4	14.5	15.2	15.2	15.4	16.3	16.4	16.6
	40	13.8	14.0	14.1	14.5	14.8	15.0	15.4	15.7	16.0	16.6	16.9	17.3
1000	0	13.6	13.7	13.9	14.3	14.5	14.7	15.2	15.4	15.6	16.3	16.6	16.8
	20	13.7	13.8	14.0	14.4	14.6	14.8	15.3	15.5	15.7	16.5	16.7	17.0
	40	13.9	14.2	14.3	14.7	15.0	15.2	15.6	15.9	16.2	16.8	17.1	17.5
1500	0	13.7	13.9	14.1	14.5	14.7	14.9	15.4	15.6	15.9	16.6	16.9	17.3
	20	13.8	14.0	14.2	14.6	14.8	15.0	15.5	15.7	16.0	16.8	17.0	17.4
	40	14.1	14.3	14.6	14.9	15.1	15.6	15.9	16.1	16.5	17.2	17.5	17.9
2000	0	13.9	14.1	14.4	14.8	15.0	15.3	15.8	16.0	16.4	17.0	17.3	17.8
	20	14.0	14.3	14.6	14.9	15.2	15.5	15.9	16.2	16.6	17.2	17.6	18.0
	40	14.3	14.6	14.9	15.2	15.5	15.8	16.2	16.6	16.9	17.5	18.0	18.5
2500	0	14.2	14.5	14.8	15.1	15.4	15.7	16.1	16.5	16.8	17.4	17.9	18.3
	20	14.4	14.7	15.0	15.3	15.6	16.0	16.3	16.7	17.1	17.7	18.1	18.6
	40	14.7	14.9	15.2	15.6	15.8	16.2	16.6	16.9	17.3	18.0	18.4	18.8
3000	0	14.6	14.8	15.1	15.5	15.8	16.1	16.6	17.0	17.3	18.0	18.5	18.9
	20	14.8	15.0	15.3	15.8	16.1	16.4	16.9	17.3	17.6	18.4	18.8	19.2
	40	15.1	15.3	15.6	16.1	16.3	16.7	17.2	17.5	17.9	18.7	19.1	19.5
3500	0	15.0	15.2	15.5	16.0	16.3	16.6	17.2	17.5	17.9	18.7	19.1	19.6
	20	15.2	15.4	15.8	16.2	16.5	16.9	17.4	17.8	18.2	19.0	19.4	19.9
	40	15.5	15.8	16.3	16.5	16.9	17.5	17.8	18.2	18.8	19.4	19.9	20.5
4000	0	15.5	15.8	16.1	16.6	16.9	17.3	17.9	18.2	18.7	19.5	19.9	20.4
	20	15.8	16.0	16.3	16.9	17.2	17.6	18.2	18.6	19.0	19.9	20.3	20.8
	40	16.2	16.4	16.8	17.3	17.6	18.1	18.6	19.0	19.6	20.3	20.8	21.4

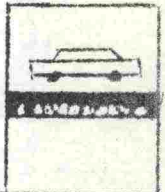
Selitykset:

T = tuntiliikenne (hay)yhdessä suunnassa

m = mäkisyyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
moottoritiellä
kestopäällyste



T	V m	1985			1990			1995			2000		
		0	50	100	0	50	100	0	50	100	0	50	100
500	0	17.5	17.5	17.8	19.1	19.2	19.5	20.9	21.1	21.5	23.2	23.5	24.0
	20	17.5	17.7	18.0	19.1	19.4	19.8	21.0	21.3	21.8	23.4	23.8	24.4
	40	18.0	18.3	18.7	19.7	20.1	20.7	21.7	22.2	22.9	24.3	24.9	25.7
1000	0	17.6	17.9	18.2	19.3	19.6	20.0	21.2	21.6	22.1	23.6	24.1	24.7
	20	17.8	18.1	18.4	19.5	19.9	20.3	21.4	21.9	22.4	23.9	24.5	25.1
	40	18.2	18.5	19.0	19.9	20.4	20.9	22.0	22.6	23.1	24.7	25.4	26.0
1500	0	18.0	18.3	18.8	19.7	20.1	20.7	21.7	22.2	22.9	24.2	24.8	25.6
	20	18.2	18.5	19.0	20.0	20.4	20.1	22.0	22.5	23.2	24.6	25.2	26.0
	40	18.6	19.0	19.5	20.4	20.9	21.5	22.5	23.1	23.8	25.2	26.0	26.8
2000	0	18.5	18.9	19.4	20.3	20.8	21.4	22.4	23.0	23.7	25.1	25.9	26.7
	20	18.7	19.2	19.7	20.5	21.1	21.7	22.7	23.4	24.1	25.5	26.4	27.2
	40	19.1	19.6	20.3	21.0	21.7	22.2	23.2	23.9	24.5	26.1	27.0	27.7
2500	0	19.0	19.5	20.0	20.9	21.6	22.1	23.2	24.0	24.6	26.0	27.0	27.7
	20	19.3	19.8	20.3	21.3	21.9	22.5	23.6	24.4	25.0	26.5	27.5	28.2
	40	19.6	20.1	20.5	21.6	22.2	22.7	24.0	24.7	25.3	27.0	27.9	28.6
3000	0	19.7	20.2	20.7	21.7	22.4	22.9	24.2	24.9	25.5	27.3	28.2	28.9
	20	20.1	20.5	21.0	22.2	22.7	23.3	24.7	25.3	26.0	27.9	28.7	29.5
	40	20.4	20.9	21.4	22.6	23.1	23.8	25.1	25.7	26.5	28.4	29.2	30.2
3500	0	20.5	21.0	21.6	22.7	23.3	23.9	25.3	26.0	26.8	28.6	29.5	30.5
	20	20.9	21.4	22.0	23.1	23.8	24.5	25.8	26.6	27.4	29.2	30.2	31.2
	40	21.3	21.9	22.6	23.6	24.5	25.1	26.3	27.1	28.0	29.9	30.9	32.0
4000	0	21.5	21.9	22.6	23.9	24.3	25.1	26.7	27.2	28.1	30.1	30.7	31.8
	20	21.9	22.4	23.0	24.1	25.0	25.6	27.2	27.8	28.7	30.7	31.5	32.5
	40	22.4	22.9	23.6	24.9	25.5	26.0	27.8	28.4	29.4	31.5	32.2	33.4

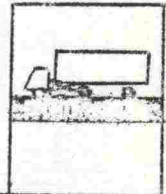
Selitykset:

T = tuntiliikenne (hay) yhdessä suunnassa

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
moottoriteillä
kestopäällyste



T	V	1965			1970			1975		
		k m	0	50	100	0	50	100	0	50
500	0	40.4	40.9	41.6	43.2	43.8	44.7	46.4	47.2	48.2
	20	41.7	42.1	42.7	44.7	45.3	46.0	48.3	49.0	49.8
	40	55.2	55.2	55.2	50.9	50.9	50.9	65.6	65.6	65.6
1000	0	40.7	41.2	41.7	43.5	44.2	44.8	46.7	47.6	48.3
	20	41.9	42.3	42.9	44.9	45.5	46.2	48.5	49.3	50.1
	40	55.3	55.3	55.3	60.0	60.0	60.0	65.7	65.7	65.7
1500	0	40.8	41.5	42.0	43.6	44.5	45.0	47.0	48.0	48.6
	20	42.0	42.5	43.1	45.3	45.7	46.4	49.1	49.5	50.3
	40	55.3	55.3	55.3	60.0	60.0	60.0	65.7	65.7	65.7
2000	0	41.2	41.7	42.5	44.2	44.8	45.7	47.7	48.4	49.4
	20	42.0	42.5	43.4	45.3	45.8	46.8	49.2	49.6	50.8
	40	55.3	55.3	55.3	60.1	60.1	60.1	65.8	65.8	65.8
2500	0	41.6	42.1	42.9	44.5	45.1	46.1	48.1	48.7	49.9
	20	42.3	42.9	43.9	45.4	46.1	47.3	49.5	50.0	51.3
	40	55.4	55.4	55.4	60.1	60.1	60.1	65.8	65.8	65.8
3000	0	42.1	42.6	43.3	45.1	45.7	46.6	48.8	49.5	50.5
	20	42.9	43.5	44.2	46.2	46.9	47.7	50.1	50.9	51.9
	40	55.4	55.4	55.4	60.2	60.2	60.2	65.9	65.9	65.9
3500	0	42.8	43.5	44.2	46.0	46.8	47.6	49.9	50.8	51.7
	20	43.5	44.2	45.0	46.8	47.7	48.6	50.9	51.9	53.0
	40	55.4	55.4	55.4	60.2	60.2	60.2	65.9	65.9	65.9
4000	0	44.0	44.7	45.4	47.3	48.3	49.2	51.4	52.4	53.4
	20	45.1	45.6	46.5	48.7	49.3	50.4	53.1	53.8	55.0
	40	55.5	55.5	55.5	60.3	60.3	60.3	66.0	66.0	66.0

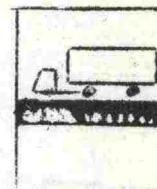
Selitykset:

T = tuntiliikenne (hay) yhdessä suunnassa

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
moottoritiellä
kestopäällyste



T	V m	1980			1985			1990		
		0	50	100	0	50	100	0	50	100
500	0	50.4	51.4	52.6	55.3	56.5	57.9	61.3	62.8	64.5
	20	52.8	53.6	54.6	58.2	59.2	60.3	64.8	66.0	67.4
	40	72.6	72.6	72.6	81.1	81.1	81.1	91.5	91.5	91.5
1000	0	50.8	51.9	52.7	55.8	57.0	58.0	61.9	63.4	64.6
	20	53.1	54.0	55.0	58.6	59.7	60.9	65.3	66.7	68.1
	40	72.7	72.7	72.7	81.2	81.2	81.2	91.6	91.6	91.6
1500	0	51.2	52.4	53.2	56.3	57.7	58.6	62.5	64.2	65.3
	20	53.5	54.3	55.3	58.9	60.0	61.2	65.7	67.0	68.4
	40	72.7	72.7	72.7	81.3	81.3	81.3	91.7	91.7	91.7
2000	0	52.0	52.8	54.1	57.2	58.2	59.8	63.6	64.8	66.2
	20	53.6	54.3	55.8	59.0	60.1	61.9	65.7	67.1	69.2
	40	72.8	72.8	72.8	81.4	81.4	81.4	91.8	91.8	91.8
2500	0	52.5	53.2	54.7	57.8	58.7	60.4	64.3	65.3	67.0
	20	54.0	54.8	56.4	59.5	60.6	62.5	66.4	67.7	70.1
	40	72.8	72.8	72.8	81.4	81.4	81.4	91.8	91.8	91.8
3000	0	53.3	54.2	55.3	58.8	59.9	61.1	65.4	66.8	68.3
	20	54.8	55.9	57.1	60.7	62.0	63.4	67.7	69.4	71.1
	40	72.9	72.9	72.9	81.5	81.5	81.5	91.9	91.9	91.9
3500	0	54.7	55.8	56.8	60.5	61.8	63.0	67.6	69.1	71.6
	20	55.9	57.1	58.4	62.1	63.5	64.9	69.4	71.1	72.9
	40	73.0	73.0	73.0	81.6	81.6	81.6	92.0	92.0	92.0
4000	0	56.5	57.8	58.8	62.6	64.2	65.3	70.0	71.8	73.4
	20	58.5	59.3	60.7	65.0	65.9	67.6	73.0	74.0	75.9
	40	73.1	73.1	73.1	81.7	81.7	81.7	92.1	92.1	92.1

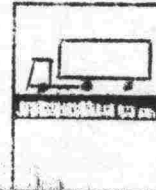
Selitykset:

T = tuntiliikenne (hay) yhdessä suunnassa

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
moottoritiellä
kestopäällyste



T	V k m	1995			2000		
		0	50	100	0	50	100
500	0	68.5	70.3	72.3	77.0	79.3	91.0
	20	72.8	74.3	75.9	82.2	84.2	86.3
	40	104.0	104.0	104.0	120.2	120.2	120.2
1000	0	69.2	71.0	72.4	78.1	80.4	82.3
	20	73.4	75.0	76.7	83.1	85.2	87.4
	40	104.1	104.1	104.1	120.3	120.3	120.3
1500	0	69.9	71.9	73.2	79.0	81.5	83.3
	20	73.8	75.4	77.1	83.6	85.6	87.9
	40	104.2	104.2	104.2	120.4	120.4	120.4
2000	0	71.2	72.6	74.9	80.5	82.3	85.1
	20	73.9	75.5	78.0	83.8	85.8	88.9
	40	104.3	104.3	104.3	120.5	120.5	120.5
2500	0	72.1	73.4	75.9	82.1	83.9	86.9
	20	74.7	76.3	79.1	85.4	87.5	90.7
	40	104.4	104.4	104.4	120.6	120.6	120.6
3000	0	73.5	75.1	76.8	83.8	85.8	87.9
	20	76.4	78.2	80.2	87.4	89.6	92.0
	40	104.5	104.5	104.5	120.7	120.7	120.7
3500	0	76.0	77.8	79.6	86.7	88.9	91.2
	20	78.3	80.3	82.4	89.5	92.1	94.2
	40	104.6	104.6	104.6	120.8	120.8	120.8
4000	0	78.8	80.8	82.8	89.7	92.1	94.5
	20	82.5	83.7	86.0	94.1	95.7	98.4
	40	104.7	104.7	104.7	120.9	120.9	120.9

Selitykset:

T = tuntiliikenne (hay) yhdessä suunnassa

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km

2-kaistaisilla teillä

kestopäällyste



13/7.5

T	V k m	1965			1970			1975			1980		
		0	50	100	0	50	100	0	50	100	0	50	100
150	0	13.9	14.0	14.0	14.8	14.9	15.0	15.9	16.0	16.1	17.2	17.3	17.5
	20	13.9	14.0	14.0	14.8	14.9	15.0	15.9	16.0	16.2	17.3	17.4	17.6
	40	14.2	14.3	14.4	15.2	15.3	15.4	16.3	16.4	16.6	17.6	17.8	18.1
	60	14.7	14.9	15.1	15.7	15.9	16.1	16.8	17.0	17.3	18.1	18.4	18.8
450	0	14.3	14.3	14.4	15.3	15.4	15.5	16.4	16.6	16.8	17.9	18.1	18.4
	20	14.4	14.4	14.5	15.4	15.5	15.7	16.6	16.8	17.0	18.1	18.3	18.6
	40	14.6	14.7	14.8	15.6	15.8	15.9	16.8	17.0	17.2	18.3	18.5	18.8
	60	15.0	15.1	15.3	16.1	16.2	16.5	17.3	17.5	17.8	18.8	19.1	19.5
750	0	14.5	14.6	14.7	15.6	15.7	15.9	16.8	17.0	17.3	18.4	18.7	19.0
	20	14.6	14.8	15.0	15.7	16.0	16.2	17.0	17.3	17.6	18.6	18.9	19.3
	40	14.9	15.1	15.3	16.0	16.3	16.5	17.3	17.6	17.9	19.0	19.3	19.7
	60	15.3	15.4	15.7	16.4	16.6	16.9	17.7	18.0	18.3	19.4	19.8	20.1
1050	0	14.7	14.9	15.1	15.9	16.1	16.4	17.2	17.5	17.8	19.0	19.3	19.7
	20	14.9	15.2	15.4	16.1	16.4	16.6	17.5	17.8	18.0	19.3	19.7	20.0
	40	15.2	15.5	15.8	16.4	16.7	17.0	17.8	18.1	18.4	19.6	20.0	20.4
	60	15.5	15.8	16.1	16.8	17.1	17.4	18.2	18.6	18.9	20.0	20.5	20.9
1350	0	15.0	15.3	15.5	16.3	16.6	16.8	17.7	18.0	18.3	19.5	19.9	20.2
	20	15.2	15.5	15.8	16.5	16.8	17.1	18.0	18.3	18.6	19.8	20.2	20.6
	40	15.5	15.8	16.1	16.8	17.1	17.5	18.3	18.6	19.0	20.1	20.5	21.0
	60	16.0	16.3	16.5	17.3	17.6	17.9	18.8	19.1	19.4	20.7	21.1	21.6
1650	0	15.4	15.6	15.8	16.7	16.9	17.2	18.2	18.4	18.7	20.1	20.4	20.8
	20	15.7	15.9	16.2	17.0	17.3	17.6	18.5	18.8	19.1	20.5	20.9	21.2
	40	16.0	16.2	16.5	17.4	17.6	17.9	18.9	19.2	19.5	20.9	21.3	21.7
	60	16.5	16.7	17.0	17.9	18.2	18.5	19.5	19.8	20.1	21.6	22.0	22.3
1950	0	15.9	16.2	16.3	17.2	17.5	17.7	18.8	18.9	19.2	20.7	21.0	21.3
	20	16.2	16.5	16.8	17.6	17.8	18.1	19.1	19.4	19.6	21.1	21.5	21.8
	40	16.6	16.8	17.0	18.0	18.3	18.5	19.6	19.9	20.1	21.6	22.0	22.3
	60	17.1	17.4	17.6	18.6	18.9	19.2	20.3	20.6	20.9	22.5	22.9	23.0

Selitykset:

T = tuntiliikenne (hay)

m = mäkiisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km

2-kaistaisilla teillä

kestopäällyste



LIIKENTEEN

13/7.5

T	V k m	1985			1990			1995			2000		
		0	50	100	0	50	100	0	50	100	0	50	100
150	0	18.7	18.9	19.2	20.6	20.9	21.3	22.9	23.3	23.8	25.7	26.2	26.8
	20	18.9	19.1	19.3	20.8	21.1	21.5	23.1	23.5	24.0	26.0	26.6	27.1
	40	19.1	19.4	19.8	21.1	21.5	22.0	23.5	24.0	24.6	26.5	27.2	27.7
	60	19.7	20.1	20.5	18.7	22.4	22.9	24.5	25.0	25.7	27.7	28.3	29.0
450	0	19.6	19.9	20.2	21.7	22.1	22.5	24.2	24.7	25.2	27.3	27.9	28.5
	20	19.8	20.1	20.4	22.0	22.4	22.8	24.5	25.0	25.5	27.7	28.3	28.8
	40	20.0	20.3	20.7	22.2	22.6	23.1	24.8	25.3	25.9	28.1	28.6	29.3
	60	20.6	21.0	21.4	22.9	23.4	23.9	25.6	26.1	26.8	29.0	29.7	30.3
750	0	20.3	20.6	20.9	22.6	23.0	23.5	25.3	25.7	26.4	28.7	29.2	30.0
	20	20.5	20.8	21.2	22.9	23.3	23.8	25.6	26.1	26.8	29.2	29.7	30.3
	40	20.9	21.2	21.7	23.3	23.7	24.3	26.0	26.6	27.2	29.6	30.1	31.1
	60	21.4	21.8	22.2	23.9	24.4	24.9	26.8	27.4	28.0	30.5	31.1	31.8
1050	0	21.0	21.4	21.8	23.5	24.0	24.5	26.4	26.9	27.5	30.0	30.7	31.2
	20	21.3	21.8	22.3	24.0	24.4	25.0	26.7	27.4	28.2	30.4	31.0	31.8
	40	21.7	22.2	22.6	24.2	24.8	25.3	27.2	27.8	28.5	30.8	31.6	32.1
	60	22.1	22.6	23.1	24.7	25.4	25.9	27.8	28.6	29.2	31.7	32.6	33.2
1350	0	21.7	22.1	22.4	24.3	24.8	25.2	27.4	28.0	28.5	31.2	31.9	32.4
	20	22.0	22.4	22.9	24.5	25.1	25.8	27.6	28.3	29.2	31.6	32.2	33.2
	40	22.3	22.8	23.4	25.0	25.5	26.3	28.2	28.8	29.7	32.0	32.7	33.7
	60	22.9	23.4	24.0	25.7	26.2	26.9	29.0	29.5	30.3	33.0	33.7	34.4
1650	0	22.3	22.7	23.1	25.1	25.5	26.0	28.4	28.9	29.5	32.3	33.0	33.6
	20	22.7	23.2	23.6	25.6	26.2	26.7	29.1	29.7	30.4	33.0	33.7	34.4
	40	23.1	23.6	24.1	26.0	26.6	27.1	29.5	30.1	30.8	33.6	34.3	35.1
	60	23.9	24.4	24.7	26.9	27.4	27.8	30.4	31.0	31.5	34.7	35.5	36.0
1950	0	22.9	23.3	23.8	25.8	26.2	26.8	29.4	29.8	30.5	33.6	34.2	34.9
	20	23.4	24.1	24.4	26.4	27.0	27.7	30.1	30.7	31.7	34.3	34.9	35.9
	40	23.9	24.5	24.9	26.9	27.4	28.1	30.6	31.2	31.9	35.0	35.7	36.5
	60	25.0	25.5	25.4	28.0	28.5	28.8	31.6	32.3	32.8	36.1	36.9	37.5

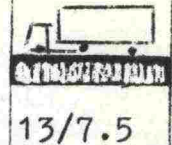
Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä
kestopäällyste



T	V k m	1965			1970			1975		
		0	50	100	0	50	100	0	50	100
150	0	40.5	41.2	41.8	43.5	44.3	45.0	47.0	48.0	48.7
	20	41.8	42.5	43.1	45.0	45.7	46.4	48.7	49.5	50.3
	40	55.8	55.8	55.8	60.7	60.7	60.7	66.5	66.5	66.5
	60	70.6	70.6	70.6	77.0	77.0	77.0	84.7	84.7	84.7
450	0	41.2	41.7	42.7	44.3	44.9	45.9	48.0	48.7	49.7
	20	42.3	43.1	43.7	45.4	45.6	46.4	49.4	50.6	51.5
	40	56.1	56.1	56.1	61.0	61.0	61.0	66.9	66.9	66.9
	60	70.9	70.9	70.9	77.3	77.3	77.3	85.1	85.1	85.1
750	0	41.7	42.3	43.2	44.9	45.3	46.6	48.7	49.0	50.7
	20	42.8	43.5	44.2	46.2	47.0	47.8	50.2	51.2	52.1
	40	56.2	56.2	56.2	61.1	61.1	61.1	67.0	67.0	67.0
	60	71.0	71.0	71.0	77.4	77.4	77.4	85.2	85.2	85.2
1050	0	42.5	43.1	43.8	45.9	46.6	47.4	49.9	50.7	51.7
	20	43.4	44.1	44.8	47.0	47.8	48.6	51.2	52.1	53.1
	40	56.2	56.2	56.2	61.3	61.3	61.3	67.3	67.3	67.3
	60	71.0	71.0	71.0	77.5	77.5	77.5	85.3	85.3	85.3
1350	0	43.1	43.7	44.4	46.5	47.3	48.1	50.6	51.5	52.5
	20	44.1	44.8	45.2	47.7	48.6	49.0	52.0	53.0	53.5
	40	56.2	56.2	56.2	61.1	61.1	61.1	67.0	67.0	67.0
	60	71.0	71.0	71.0	77.4	77.4	77.4	85.2	85.2	85.2
1650	0	44.0	44.2	45.1	47.6	48.2	48.9	51.9	52.9	53.4
	20	44.7	45.1	46.0	48.4	48.9	49.9	52.9	53.4	54.6
	40	56.2	56.2	56.2	61.1	61.1	61.1	67.0	67.0	67.0
	60	71.0	71.0	71.0	77.4	77.4	77.4	85.2	85.2	85.2
1950	0	45.0	45.1	45.7	48.7	49.4	49.8	53.3	54.2	54.7
	20	45.4	45.6	46.5	49.2	49.7	50.8	53.7	54.6	55.8
	40	56.2	56.2	56.2	61.1	61.1	61.1	67.0	67.0	67.0
	60	71.0	71.0	71.0	77.4	77.4	77.4	85.2	85.2	85.2

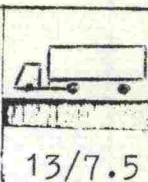
Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä
kestopäällyste



T	V k m	1980			1985			1990		
		0	50	100	0	50	100	0	50	100
150	0	51.3	52.5	53.4	56.6	57.9	59.0	63.0	64.6	65.8
	20	53.4	54.3	55.3	59.0	60.0	61.2	65.8	67.1	68.5
	40	73.6	73.6	73.6	82.3	82.3	82.3	92.9	92.9	92.9
	60	94.1	94.1	94.1	105.6	105.6	105.6	119.6	119.6	119.6
450	0	52.5	53.3	54.6	58.0	58.9	60.5	64.6	65.8	67.7
	20	54.2	55.7	56.7	60.0	61.7	62.8	67.1	69.1	70.6
	40	74.1	74.1	74.1	82.9	82.9	82.9	93.6	93.6	93.6
	60	94.6	94.6	94.6	106.2	106.2	106.2	120.3	120.3	120.3
750	0	53.3	54.0	55.8	59.0	60.1	61.9	65.9	67.2	69.3
	20	55.1	56.3	56.9	61.2	62.5	63.7	68.6	70.1	71.6
	40	74.3	74.3	74.3	83.1	83.1	83.1	93.9	93.9	93.9
	60	94.7	94.7	94.7	106.4	106.4	106.4	120.6	120.6	120.6
1050	0	54.8	55.8	56.9	60.7	61.9	63.1	67.6	69.3	70.5
	20	56.3	57.4	58.1	62.5	63.7	65.2	70.1	71.6	73.4
	40	74.5	74.5	74.5	83.2	83.2	83.2	94.0	94.0	94.0
	60	94.8	94.8	94.8	106.5	106.5	106.5	120.7	120.7	120.7
1350	0	55.7	56.7	57.9	61.8	63.0	64.4	69.2	70.7	72.1
	20	57.3	58.5	59.2	63.6	65.1	65.9	71.0	73.2	74.2
	40	74.3	74.3	74.3	83.1	83.1	83.1	93.9	93.9	93.9
	60	94.7	94.7	94.7	106.4	106.4	106.4	120.6	120.6	120.6
1650	0	57.3	58.4	59.0	63.8	65.0	65.8	71.5	73.4	74.1
	20	58.4	59.0	60.4	65.0	65.8	67.4	73.1	74.1	76.0
	40	74.3	74.3	74.3	83.1	83.1	83.1	93.9	93.9	93.9
	60	94.7	94.7	94.7	106.4	106.4	106.4	120.6	120.6	120.6
1950	0	59.1	60.0	60.4	66.0	67.0	68.4	74.1	75.6	76.4
	20	59.4	60.4	61.8	66.8	67.9	68.9	75.5	76.6	77.8
	40	74.3	74.3	74.3	83.1	83.1	83.1	93.9	93.9	93.9
	60	94.7	94.7	94.7	106.4	106.4	106.4	120.6	120.6	120.6

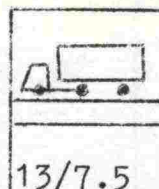
Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä
kestopäällyste



T	V	1995			2000		
		k m	0	50	100	0	50
150	0	70.7	72.6	74.0	79.8	81.2	83.0
	20	74.0	75.6	77.2	83.7	85.6	87.8
	40	105.7	105.7	105.7	122.2	122.2	122.2
	60	136.5	136.5	136.5	158.2	158.2	158.2
450	0	72.6	74.0	76.3	82.2	83.9	86.8
	20	75.6	77.9	79.7	86.2	88.8	91.0
	40	106.5	106.5	106.5	123.2	123.2	123.2
	60	137.3	137.3	137.3	159.1	159.1	159.1
750	0	74.2	75.8	78.2	84.2	86.2	88.7
	20	77.4	79.2	81.0	88.3	80.3	92.3
	40	106.8	106.8	106.8	123.6	123.6	123.6
	60	137.6	137.6	137.6	159.5	159.5	159.5
1050	0	75.9	78.2	79.3	86.3	88.8	90.2
	20	79.2	81.0	83.0	90.4	92.5	94.8
	40	106.9	106.9	106.9	123.7	123.7	123.7
	60	137.7	137.7	137.7	159.6	159.6	159.6
1350	0	78.1	79.9	81.3	88.9	91.0	92.7
	20	79.9	82.9	84.0	93.3	94.6	95.9
	40	106.8	106.8	106.8	123.6	123.6	123.6
	60	137.6	137.6	137.6	159.5	159.5	159.5
1650	0	80.8	82.8	83.9	92.2	94.8	96.5
	20	82.8	83.9	86.1	94.8	96.4	99.4
	40	106.8	106.8	106.8	123.6	123.6	123.6
	60	137.6	137.6	137.6	159.5	159.5	159.5
1950	0	83.8	85.9	86.8	96.8	98.8	99.8
	20	85.9	87.0	88.3	98.8	99.9	101.0
	40	106.8	106.8	106.8	123.6	123.6	123.6
	60	137.6	137.6	137.6	159.5	159.5	159.5

Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä
kestopäällyste



10/7

T	V k m	1965			1970			1975			1980		
		0	50	100	0	50	100	0	50	100	0	50	100
150	0	13.8	13.8	13.9	14.7	14.8	14.9	15.8	15.9	16.1	17.1	17.3	17.6
	20	13.9	14.0	14.1	14.8	15.0	15.1	15.9	16.1	16.3	17.3	17.5	17.8
	40	14.2	14.3	14.5	15.1	15.3	15.5	16.2	16.5	16.6	17.6	17.9	18.1
	60	14.8	14.9	15.1	15.7	15.9	16.2	16.7	17.0	17.4	18.2	18.5	18.9
450	0	14.2	14.3	14.4	15.2	15.4	15.5	16.4	16.6	16.8	17.9	18.2	18.4
	20	14.4	14.5	14.5	15.4	15.6	15.7	16.6	16.8	17.0	18.2	18.5	18.7
	40	14.6	14.7	14.9	15.7	15.8	16.1	16.9	17.1	17.4	18.5	18.7	19.1
	60	15.0	15.2	15.4	16.1	16.3	16.6	17.4	17.6	17.9	19.0	19.3	19.6
750	0	14.5	14.7	14.9	15.6	15.9	16.1	16.9	17.2	17.4	18.6	18.9	19.2
	20	14.7	14.9	15.1	15.8	16.1	16.3	17.1	17.4	17.7	18.8	19.2	19.6
	40	15.0	15.2	15.4	16.1	16.4	16.7	17.4	17.7	18.1	19.2	19.5	20.0
	60	15.4	15.6	15.8	16.6	16.8	17.1	17.9	18.2	18.5	19.7	20.0	20.4
1050	0	14.9	15.1	15.3	16.1	16.3	16.6	17.5	17.7	18.0	19.3	19.6	19.9
	20	15.0	15.2	15.4	16.3	16.5	16.8	17.7	18.0	18.3	19.6	19.9	20.2
	40	15.3	15.5	15.8	16.6	16.8	17.2	18.0	18.3	18.7	19.9	20.2	20.6
	60	15.8	16.0	16.2	17.1	17.4	17.6	18.6	18.9	19.2	20.5	21.2	25.6
1350	0	15.3	15.5	15.7	16.6	16.8	17.0	18.1	18.3	18.5	20.0	20.3	20.5
	20	15.4	15.7	16.0	16.8	17.1	17.4	18.3	18.6	19.0	20.3	20.6	21.0
	40	15.8	16.1	16.4	17.2	17.5	17.8	18.7	19.0	19.4	20.7	21.1	21.5
	60	16.4	16.7	16.9	17.8	18.1	18.4	19.4	19.7	20.0	21.4	21.8	22.1
1650	0	15.8	16.0	16.1	17.2	17.4	17.6	18.8	19.0	19.3	20.8	21.2	21.5
	20	16.0	16.2	16.4	17.4	17.7	18.0	19.0	19.3	19.7	21.1	21.5	21.9
	40	16.4	16.7	16.8	17.9	18.2	18.4	19.5	19.8	20.1	21.6	22.0	22.3
	60	17.1	17.3	17.4	18.6	18.9	18.9	20.3	20.6	20.8	22.5	22.8	23.1
1950	0	16.3	16.5	16.6	17.8	18.1	18.2	19.5	19.8	20.1	21.6	22.1	22.7
	20	16.7	16.8	16.9	18.2	18.4	18.6	19.8	20.1	20.4	22.1	22.5	22.9
	40	17.1	17.3	17.4	18.7	18.8	19.0	20.3	20.6	20.8	22.6	22.9	23.2
	60	17.9	18.0	18.0	19.5	19.7	19.9	21.3	21.6	21.7	23.7	24.0	24.2

Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä
kestopäällyste



10/7

T	V m	1985			1990			1995			2000		
		k 0	50	100	0	50	100	0	50	100	0	50	100
150	0	18.7	19.0	19.3	20.7	21.1	21.5	23.1	23.5	24.0	26.2	26.6	27.2
	20	18.9	19.2	19.5	21.0	21.3	21.8	23.4	23.8	24.4	26.5	27.0	27.6
	40	19.3	19.6	19.9	21.3	21.7	22.2	23.7	24.2	24.9	26.9	27.6	28.2
	60	20.0	20.3	20.7	22.2	22.6	23.2	24.8	25.2	26.1	28.1	28.6	29.6
450	0	19.7	20.1	20.3	21.9	22.4	22.6	24.4	25.1	25.5	27.6	28.4	28.9
	20	20.0	20.4	20.7	22.2	22.7	23.1	24.8	25.3	25.8	28.2	28.8	29.6
	40	20.3	20.7	21.0	22.5	23.0	23.4	25.1	25.6	26.2	28.5	29.1	29.8
	60	20.8	21.2	21.5	23.4	23.7	24.1	25.9	26.5	27.0	29.4	30.1	30.7
750	0	20.5	20.9	21.3	22.9	23.4	23.8	25.7	26.3	26.9	29.3	29.9	30.4
	20	20.8	21.2	21.7	23.3	23.8	24.3	26.2	26.8	27.4	29.9	30.5	31.1
	40	21.2	21.6	22.1	23.7	24.2	24.8	26.6	27.3	27.9	30.3	31.0	31.7
	60	21.8	22.1	22.5	24.3	24.8	25.3	27.3	28.0	28.5	31.0	31.7	32.4
1050	0	21.4	21.7	22.1	24.0	24.4	24.9	27.0	27.6	28.1	30.8	31.6	32.1
	20	21.7	22.1	22.4	24.3	24.8	25.2	27.4	28.0	28.5	31.4	32.1	32.8
	40	22.0	22.4	22.8	24.7	25.2	25.7	27.9	28.5	29.0	31.8	32.4	33.3
	60	22.7	23.1	23.5	25.5	26.0	26.5	28.7	29.2	29.9	32.8	33.4	34.1
1350	0	22.2	22.6	22.9	25.0	25.4	25.8	28.3	28.8	29.3	32.2	32.8	33.5
	20	22.6	23.0	23.4	25.4	25.9	26.4	28.8	29.4	30.0	32.9	33.6	34.3
	40	23.1	23.5	23.9	26.0	26.5	27.0	29.4	30.0	30.6	33.6	34.3	35.0
	60	23.8	24.2	24.6	26.8	27.3	27.7	30.3	31.0	31.5	34.7	35.5	36.0
1650	0	23.1	23.7	24.1	26.2	26.8	27.3	29.9	30.5	31.0	34.2	35.0	35.6
	20	23.6	24.1	24.5	26.7	27.3	27.7	30.4	31.0	31.4	34.7	35.5	36.0
	40	24.1	24.5	24.9	27.3	27.8	28.2	30.9	31.6	32.1	35.2	36.0	36.7
	60	25.1	25.4	25.8	28.3	28.7	29.1	32.1	32.6	33.0	36.6	37.4	37.8
1950	0	24.1	24.2	25.4	27.6	28.3	28.9	31.8	32.5	33.0	36.3	37.2	37.8
	20	24.7	25.3	25.7	28.2	28.7	29.1	32.3	32.8	33.1	36.8	37.6	38.0
	40	25.2	25.5	25.9	28.6	29.1	29.5	32.6	33.3	33.7	37.4	38.1	38.8
	60	26.5	26.7	27.1	30.2	30.4	30.7	34.6	34.8	35.0	39.6	39.0	40.2

Selitykset:

T = tuntiliikenne (høy)

m = mäkiisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä
kestopäällyste



10/7

T	V k m	1965			1970			1975		
		0	50	100	0	50	100	0	50	100
150	0	40.5	41.2	41.8	43.5	44.3	45.1	47.1	48.0	48.9
	20	41.9	42.4	43.0	45.2	45.9	46.6	49.1	49.8	50.7
	40	55.8	55.8	55.8	60.7	60.7	60.7	66.5	66.5	66.5
	60	70.6	70.6	70.6	77.0	77.0	77.0	84.7	84.7	84.7
450	0	41.2	41.8	42.5	44.4	45.0	45.9	48.1	48.8	49.9
	20	42.2	42.7	43.3	45.2	45.9	47.0	49.4	50.2	51.2
	40	56.1	56.1	56.1	61.0	61.0	61.0	66.9	66.9	66.9
	60	70.9	70.9	70.9	77.3	77.3	77.3	85.1	85.1	85.1
750	0	42.1	42.6	43.2	45.4	46.0	46.7	49.3	50.0	50.9
	20	42.8	43.4	44.0	46.2	47.0	47.7	50.3	51.3	52.0
	40	56.2	56.2	56.3	61.1	61.1	61.1	67.0	67.0	67.0
	60	71.0	71.0	71.0	77.4	77.4	77.4	85.2	85.2	85.2
1050	0	42.9	43.6	44.2	46.4	47.2	47.9	50.5	51.5	52.3
	20	43.7	44.3	44.7	47.1	48.1	48.6	51.7	52.6	53.1
	40	56.2	56.2	56.2	61.3	61.3	61.3	67.3	67.3	67.3
	60	71.0	71.0	71.0	77.5	77.5	77.5	85.3	85.3	85.3
1350	0	43.8	44.5	44.9	47.4	48.3	48.7	51.7	52.7	53.2
	20	44.3	44.7	45.5	48.1	48.5	49.5	52.5	53.0	54.1
	40	56.2	56.2	56.2	61.1	61.1	61.1	67.0	67.0	67.0
	60	71.0	71.0	71.0	77.4	77.4	77.4	85.2	85.2	85.2
1650	0	45.1	45.8	46.2	49.0	49.7	50.2	53.6	54.4	55.0
	20	45.4	45.8	46.3	49.3	49.8	50.4	54.0	54.6	55.2
	40	56.2	56.2	56.2	61.1	61.1	61.1	67.0	67.0	67.0
	60	71.0	71.0	71.0	77.4	77.4	77.4	85.2	85.2	85.2
1950	0	46.6	47.3	47.8	50.8	51.5	52.1	55.8	56.5	57.2
	20	46.7	47.3	47.8	51.0	51.5	52.1	56.1	56.5	57.2
	40	56.2	56.2	56.2	61.1	61.1	61.1	67.0	67.0	67.0
	60	71.0	71.0	71.0	77.4	77.4	77.4	85.2	85.2	85.2

Selitykset:

T = tuntiliikenne (hay)

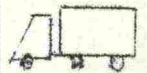
m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km

2-kaistaisilla teillä

kestopäällyste



10/7

T	V	1980			1985			1990		
		k m	0	50	100	0	50	100	0	50
150	0	51.5	52.5	53.6	56.8	58.0	59.2	63.2	64.8	66.2
	20	52.9	54.8	55.8	59.6	60.7	61.8	66.7	68.0	69.5
	40	73.6	73.6	73.6	82.3	82.3	82.3	92.9	92.9	92.9
	60	94.1	94.1	94.1	105.6	105.6	105.6	119.6	119.6	119.6
450	0	52.7	53.6	54.9	58.2	59.3	60.8	65.0	66.2	68.2
	20	54.3	55.3	56.1	60.2	61.3	62.4	67.4	68.7	70.2
	40	74.1	74.1	74.1	82.9	82.9	82.9	93.6	93.6	93.6
	60	94.6	94.6	94.6	106.2	106.2	106.2	120.3	120.3	120.3
750	0	54.1	55.0	56.0	59.9	61.0	62.2	67.0	68.4	69.8
	20	55.4	56.6	57.5	61.5	62.6	64.0	68.9	69.4	71.5
	40	74.3	74.3	74.3	83.1	83.1	83.1	93.9	93.9	93.9
	60	94.7	94.7	94.7	106.4	106.4	106.4	120.6	120.6	120.6
1050	0	55.6	56.7	57.8	61.7	63.0	64.3	69.1	70.7	72.0
	20	57.0	58.1	58.8	63.3	64.7	65.5	71.2	72.9	73.8
	40	74.5	74.5	74.5	83.2	83.2	83.2	94.0	94.0	94.0
	60	94.8	94.8	94.8	106.5	106.5	106.5	120.7	120.7	120.7
1350	0	57.0	58.2	58.9	63.3	64.8	65.6	71.2	72.9	73.9
	20	58.0	58.7	60.0	64.6	65.4	66.9	72.7	73.7	75.5
	40	74.3	74.3	74.3	83.1	83.1	83.1	93.9	93.9	93.9
	60	94.7	94.7	94.7	106.4	106.4	106.4	120.6	120.6	120.6
1650	0	59.3	60.2	60.9	66.1	67.2	68.0	74.6	75.8	76.8
	20	59.8	60.5	61.2	66.8	67.6	68.4	75.4	76.4	77.4
	40	74.3	74.3	74.3	83.1	83.1	83.1	93.9	93.9	93.9
	60	94.7	94.7	94.7	106.4	106.4	106.4	120.6	120.6	120.6
1950	0	62.1	62.8	63.8	69.6	70.3	71.5	78.6	79.4	80.1
	20	62.5	62.9	63.8	70.0	70.4	71.5	79.0	79.7	80.4
	40	74.3	74.3	74.3	83.1	83.1	83.1	93.9	93.9	93.9
	60	94.7	94.7	94.7	106.4	106.4	106.4	120.6	120.6	120.6

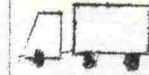
Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä
kestopäällyste



10/7

T	V	1995			2000		
		k	0	50	100	0	50
150	0	71.0	72.9	74.6	80.4	82.8	84.9
	20	75.2	76.7	78.5	85.3	87.3	89.6
	40	105.7	105.7	105.7	122.2	122.2	122.2
	60	136.5	136.5	136.5	158.2	158.2	158.2
450	0	73.1	74.5	76.9	82.9	84.6	87.5
	20	76.0	77.5	79.3	86.4	88.4	90.5
	40	106.5	106.5	106.5	123.2	123.2	123.2
	60	137.3	137.3	137.3	159.1	159.1	159.1
750	0	75.6	77.2	78.9	85.8	88.9	90.0
	20	77.8	79.6	81.5	88.7	90.9	93.0
	40	106.8	106.8	106.8	123.6	123.6	123.6
	60	137.6	137.6	137.6	159.5	159.5	159.5
1050	0	78.0	79.9	81.2	89.0	90.1	92.6
	20	80.6	82.5	83.6	92.0	94.2	95.6
	40	106.9	106.9	106.9	123.7	123.7	123.7
	60	137.7	137.7	137.7	159.6	159.6	159.6
1350	0	80.6	82.6	83.7	92.0	94.6	96.4
	20	82.4	83.5	85.6	94.6	96.3	99.1
	40	106.8	106.8	106.8	123.6	123.6	123.6
	60	137.6	137.6	137.6	159.5	159.5	159.5
1650	0	84.6	85.9	87.1	96.8	98.3	99.8
	20	85.5	86.7	88.0	98.2	99.6	101.0
	40	106.8	106.8	106.8	123.6	123.6	123.6
	60	137.6	137.6	137.6	159.5	159.5	159.5
1950	0	89.2	90.2	90.4	102.3	103.5	104.8
	20	89.7	90.7	91.9	103.2	104.3	105.6
	40	106.8	106.8	106.8	123.6	123.6	123.6
	60	137.6	137.6	137.6	159.5	159.5	159.5

Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä
kestopäällyste



8/7

T	V m	1965			1970			1975			1980		
		k 0	50	100	0	50	100	0	50	100	0	50	100
150	0	14.2	14.4	14.5	15.4	15.5	15.6	16.7	16.8	16.9	18.2	18.4	18.6
	20	14.4	14.6	14.7	15.5	15.7	15.9	16.8	17.0	17.2	18.4	18.7	19.0
	40	14.8	15.0	15.1	15.9	16.1	16.2	17.1	17.3	17.6	18.7	19.0	19.4
	60	15.3	15.5	15.6	16.4	16.6	16.9	17.6	17.9	18.3	19.3	19.6	20.0
450	0	14.5	14.7	14.9	15.7	15.9	16.3	17.1	17.3	17.8	18.8	19.1	19.5
	20	14.7	14.9	15.2	15.9	16.2	16.5	17.3	17.6	18.0	19.1	19.4	19.8
	40	15.2	15.3	15.5	16.4	16.6	16.9	17.8	18.1	18.4	19.6	19.9	20.3
	60	15.7	15.9	16.1	17.0	17.2	17.5	18.4	18.7	19.0	20.2	20.5	20.9
750	0	15.0	15.1	15.3	16.3	16.4	16.7	17.8	18.0	18.3	19.6	19.9	20.3
	20	15.2	15.4	15.5	16.4	16.7	16.9	18.0	18.3	18.6	19.9	20.2	20.6
	40	15.5	15.7	15.9	16.8	17.1	17.3	18.4	18.7	19.0	20.3	20.6	21.1
	60	16.1	16.3	16.6	17.4	17.7	18.0	19.0	19.3	19.7	21.2	21.6	22.0
1050	0	15.4	15.7	15.9	16.8	17.1	17.4	18.4	18.8	19.1	20.4	20.8	21.1
	20	15.7	16.0	16.2	17.1	17.4	17.7	18.7	19.1	19.4	20.7	21.2	21.5
	40	16.0	16.3	16.5	17.5	17.8	18.0	19.2	19.5	19.8	21.2	21.6	21.9
	60	16.8	17.1	17.3	18.3	18.6	18.9	20.0	20.4	20.7	22.1	22.6	22.9
1350	0	16.1	16.3	16.5	17.6	17.8	18.0	19.4	19.7	19.9	21.6	21.9	22.2
	20	16.3	16.5	16.7	17.8	18.0	18.3	19.6	19.9	20.2	21.9	22.2	22.4
	40	16.7	17.0	17.2	18.2	18.5	18.8	20.1	20.4	20.7	22.3	22.7	23.0
	60	17.5	17.8	18.0	19.1	19.4	19.6	21.0	21.3	21.6	23.3	23.6	24.0
1650	0	16.9	17.1	17.3	18.5	18.7	18.9	20.4	20.7	20.9	22.8	23.1	23.4
	20	17.1	17.3	17.5	18.7	18.9	19.1	20.6	20.8	21.0	23.0	23.2	23.5
	40	17.4	17.6	17.9	19.0	19.2	19.5	21.0	21.2	21.5	23.4	23.7	24.1
	60	18.2	18.4	18.7	19.9	20.1	20.4	21.9	22.2	22.5	24.4	24.7	25.1
1950	0	17.8	18.0	18.3	19.5	19.7	20.0	21.5	21.8	22.0	24.1	24.4	24.6
	20	18.1	18.2	18.5	19.7	19.9	20.1	21.7	21.9	22.0	24.3	24.4	24.6
	40	18.2	18.3	18.6	19.9	20.0	20.3	21.9	22.0	22.3	24.4	24.6	25.1
	60	18.9	19.0	19.4	20.6	20.9	21.2	22.7	23.1	23.4	25.3	25.8	26.2

Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä
kestopäällyste



8/7

T	V k m	1985			1990			1995			2000		
		0	50	100	0	50	100	0	50	100	0	50	100
150	0	20.0	20.3	20.7	22.3	22.7	23.1	25.1	25.5	26.0	28.4	28.9	29.5
	20	20.3	20.7	21.1	22.6	23.1	23.6	25.4	26.0	26.5	28.8	29.5	30.1
	40	20.7	21.1	21.5	23.1	23.6	24.1	25.9	26.5	27.1	29.4	30.1	30.8
	60	21.3	21.7	22.1	23.8	24.3	24.8	26.7	27.3	27.9	30.3	31.0	31.7
450	0	20.9	21.3	21.7	23.2	23.6	24.2	25.9	26.4	27.1	29.5	30.1	30.9
	20	21.2	21.6	22.0	23.6	24.0	24.5	26.4	26.9	27.5	30.0	30.5	31.3
	40	21.7	22.1	22.5	24.1	24.5	25.0	26.9	27.4	27.9	30.6	31.1	31.8
	60	22.3	22.7	23.1	24.8	25.3	25.8	27.8	28.4	29.0	31.7	32.2	33.0
750	0	21.8	22.2	22.7	24.4	25.0	25.6	27.5	28.3	29.0	31.5	32.4	33.2
	20	22.1	22.5	23.0	24.9	25.4	25.9	28.2	28.7	29.3	32.3	32.9	33.5
	40	22.5	22.9	23.5	25.3	25.8	26.4	28.6	29.2	29.8	32.7	33.5	34.1
	60	23.4	23.9	24.4	26.2	26.7	27.4	29.5	30.0	30.9	33.7	34.3	35.3
1050	0	22.8	23.2	23.6	25.7	26.2	26.7	29.1	29.7	30.5	33.5	34.1	35.0
	20	23.2	23.7	24.1	26.2	26.7	27.2	29.7	30.2	30.9	34.2	34.7	35.4
	40	23.7	24.1	24.5	26.6	27.1	27.7	30.1	30.7	31.4	34.6	35.2	36.0
	60	24.6	25.1	25.6	27.7	28.3	28.9	31.4	32.0	32.7	36.0	36.6	37.4
1350	0	24.2	24.6	25.0	27.4	27.9	28.3	31.1	31.7	32.2	35.9	36.6	37.1
	20	24.6	25.0	25.4	27.8	28.3	28.7	31.5	32.1	32.6	36.3	37.0	37.5
	40	25.0	25.4	25.8	28.3	28.7	29.2	32.1	32.6	33.2	37.0	37.6	38.2
	60	26.1	26.4	26.8	29.4	29.9	30.3	33.3	33.9	34.3	38.3	39.0	39.4
1650	0	25.7	26.0	26.3	29.2	29.6	29.9	33.2	33.7	34.1	38.4	38.9	39.3
	20	25.9	26.1	26.4	29.4	29.7	30.0	33.5	33.8	34.2	38.7	39.0	39.7
	40	26.2	26.6	27.1	29.8	30.2	30.8	33.9	34.4	35.0	39.1	39.7	40.4
	60	27.3	27.7	28.2	30.9	31.6	31.9	35.1	35.6	36.2	40.4	41.0	41.6
1950	0	27.3	27.5	27.7	31.1	31.3	31.6	35.6	35.7	36.1	41.2	41.3	41.7
	20	27.4	27.5	27.7	31.2	31.4	31.6	35.7	35.7	36.1	41.3	41.3	41.7
	40	27.5	27.7	28.4	31.3	31.6	32.3	35.8	36.1	36.8	41.4	41.7	42.5
	60	28.4	29.0	29.6	32.3	32.8	33.6	36.9	37.3	38.3	42.6	43.0	44.1

Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä
kestopäällyste



8/7

T	V k m	1965			1970			1975		
		0	50	100	0	50	100	0	50	100
150	0	41.1	41.6	42.3	44.3	44.9	45.8	48.1	48.7	49.8
	20	42.6	43.1	43.7	45.9	46.5	47.3	49.9	50.7	51.6
	40	56.5	56.5	56.5	61.5	61.5	61.5	67.4	67.4	67.4
	60	71.3	71.3	71.3	77.8	77.8	77.8	85.6	85.6	85.6
450	0	41.6	42.1	42.9	44.9	45.5	46.5	48.9	49.6	50.7
	20	43.1	43.7	44.4	46.6	47.3	48.2	50.8	51.7	52.6
	40	56.8	56.8	56.8	61.9	61.9	61.9	67.9	67.9	67.9
	60	71.6	71.6	71.6	78.2	78.2	78.2	86.1	86.1	86.1
750	0	42.5	43.1	43.8	46.0	46.7	47.5	50.2	51.1	52.0
	20	44.0	44.6	45.0	47.7	48.4	48.9	52.2	52.9	53.5
	40	56.8	56.8	56.8	61.9	61.9	61.9	67.9	67.9	67.9
	60	71.6	71.6	71.6	78.2	78.2	78.2	86.1	86.1	86.1
1050	0	43.4	44.0	44.5	47.1	47.8	48.4	51.5	52.4	53.0
	20	44.9	45.3	46.1	48.7	49.2	50.1	53.4	53.9	55.0
	40	56.8	56.8	56.8	61.9	61.9	61.9	67.9	67.9	67.9
	60	71.6	71.6	71.6	78.2	78.2	78.2	86.1	86.1	86.1
1350	0	45.1	45.6	46.1	49.0	49.6	50.2	53.8	54.4	55.1
	20	46.0	46.4	46.9	50.0	50.4	51.0	54.8	55.3	56.0
	40	56.8	56.8	56.8	61.9	61.9	61.9	67.9	67.9	67.9
	60	71.6	71.6	71.6	78.2	78.2	78.2	86.0	86.0	86.0
1650	0	47.2	47.7	47.8	51.4	52.1	52.2	56.5	57.4	57.5
	20	48.1	48.6	48.7	52.5	53.1	53.2	57.8	58.5	58.6
	40	56.8	56.8	56.8	61.9	61.9	61.9	67.9	67.9	67.9
	60	71.6	71.6	71.6	78.2	78.2	78.2	86.0	86.0	86.0
1950	0	49.7	50.3	50.3	54.5	55.4	55.4	60.2	61.4	61.4
	20	50.7	51.3	51.3	55.6	56.6	56.6	61.3	62.7	62.7
	40	56.8	56.8	56.8	61.9	61.9	61.9	67.9	67.9	67.9
	60	71.6	71.6	71.6	78.2	78.2	78.2	86.0	86.0	86.0

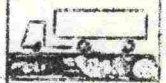
Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä
kestopäällyste



8/7

T	V	1980			1985			1990		
		k m	0	50	100	0	50	100	0	50
150	0	52.7	53.5	54.8	58.4	59.4	60.9	65.3	66.4	68.4
	20	54.8	55.8	56.8	60.9	62.0	63.1	68.2	69.5	71.0
	40	74.7	74.7	74.7	83.6	83.6	83.6	94.5	94.5	94.5
	60	95.2	95.2	95.2	106.9	106.9	106.9	121.2	121.2	121.2
450	0	54.2	54.5	55.9	59.5	60.5	62.2	66.3	67.6	69.6
	20	55.9	56.9	58.0	62.1	63.3	64.5	69.4	70.9	72.4
	40	75.3	75.3	75.3	84.3	84.3	84.3	95.0	95.0	95.0
	60	95.8	95.8	95.8	107.6	107.6	107.6	121.7	121.7	121.7
750	0	55.3	56.3	57.4	61.5	62.7	63.9	69.1	70.5	72.0
	20	57.4	58.5	59.1	63.8	65.2	65.9	71.8	73.4	74.3
	40	75.3	75.3	75.3	84.3	84.3	84.3	95.3	95.3	95.3
	60	95.8	95.8	95.8	107.6	107.6	107.6	122.0	122.0	122.0
1050	0	56.8	57.9	58.6	63.3	64.6	65.4	71.1	72.4	73.7
	20	59.0	59.7	61.0	65.8	66.6	68.1	74.1	75.0	76.8
	40	75.3	75.3	75.3	84.3	84.3	84.3	95.3	95.3	95.3
	60	95.8	95.8	95.8	107.6	107.6	107.6	122.0	122.0	122.0
1350	0	59.6	60.3	61.1	66.6	67.5	68.4	75.1	76.1	77.3
	20	60.7	61.4	62.1	67.9	68.7	69.5	76.5	77.5	78.6
	40	75.3	75.3	75.3	84.2	84.2	84.2	95.1	95.1	95.1
	60	95.7	95.7	95.7	107.5	107.5	107.5	121.8	121.8	121.8
1650	0	63.0	64.0	64.1	70.7	71.8	71.9	79.6	81.4	81.5
	20	64.4	65.2	65.3	72.2	73.2	73.3	81.8	83.0	83.1
	40	75.3	75.3	75.3	84.2	84.2	84.2	95.1	95.1	95.1
	60	95.7	95.7	95.7	107.5	107.5	107.5	121.8	121.8	121.8
1950	0	67.2	68.7	68.7	75.5	77.3	77.3	86.1	88.1	88.1
	20	68.7	70.1	70.1	77.3	78.8	78.8	88.1	89.9	89.9
	40	75.3	75.3	75.3	84.2	84.2	84.2	95.1	95.1	95.1
	60	95.7	95.7	95.7	107.5	107.5	107.5	121.8	121.8	121.8

Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä
kestopäällyste



8/7

T	V	1995			2000		
		k m	0	50	100	0	50
150	0	73.6	74.9	77.3	83.7	85.4	88.2
	20	77.0	78.5	80.3	87.5	89.4	91.6
	40	107.5	107.5	107.5	124.2	124.2	124.2
	60	138.3	138.3	138.3	160.2	160.2	160.2
450	0	74.6	76.1	78.4	84.9	86.7	89.4
	20	78.2	79.9	81.7	88.9	91.0	93.1
	40	107.9	107.9	107.9	124.8	124.8	124.8
	60	138.7	138.7	138.7	160.6	160.6	160.6
750	0	78.2	79.9	81.7	89.3	91.3	93.4
	20	81.3	83.2	84.2	92.8	95.0	96.3
	40	108.5	108.5	108.5	125.4	125.4	125.4
	60	139.3	139.3	139.3	161.3	161.3	161.3
1050	0	80.6	81.9	83.6	92.0	93.5	95.6
	20	84.0	85.1	87.2	95.7	97.1	99.5
	40	108.4	108.4	108.4	125.3	125.3	125.3
	60	139.2	139.2	139.2	161.2	161.2	161.2
1350	0	85.4	86.5	87.8	97.9	99.2	100.7
	20	86.9	88.1	89.4	99.8	101.2	102.7
	40	108.2	108.2	108.2	125.2	125.2	125.2
	60	139.0	139.0	139.0	161.1	161.1	161.1
1650	0	91.4	92.8	92.9	105.0	106.6	106.8
	20	93.2	94.6	94.7	107.2	108.8	109.0
	40	108.2	108.2	108.2	125.2	125.2	125.2
	60	139.0	139.0	139.0	161.0	161.0	161.0
1950	0	98.6	100.7	100.7	113.6	116.2	116.2
	20	100.8	102.8	102.8	116.4	118.4	118.4
	40	108.2	108.2	108.2	125.2	125.2	125.2
	60	139.0	139.0	139.0	161.0	161.0	161.0

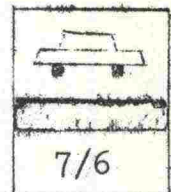
Selitykset:

T = tuntiliikenne (høy)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä
kestopäällyste



T	V k m	1965			1970			1975			1980		
		0	50	100	0	50	100	0	50	100	0	50	100
150	0	14.5	14.6	14.8	15.7	15.9	16.1	17.1	17.3	17.5	18.8	19.0	19.4
	20	14.8	14.9	15.1	16.0	16.2	16.4	17.4	17.6	17.8	19.2	19.4	19.7
	40	15.1	15.2	15.4	16.4	16.5	16.7	17.8	18.0	18.2	20.1	19.9	20.2
	60	15.7	15.8	16.0	16.9	17.1	17.4	18.3	18.6	18.9	20.1	20.5	20.8
450	0	15.0	15.1	15.2	16.3	16.5	16.6	17.7	18.0	18.1	19.6	19.9	20.1
	20	15.3	15.4	15.5	16.6	16.8	16.9	18.0	18.3	18.4	19.9	20.3	20.4
	40	15.5	15.7	15.9	16.9	16.6	17.3	18.4	18.7	18.9	20.3	20.7	21.0
	60	16.0	16.3	16.5	17.4	17.7	18.0	19.0	19.3	19.6	20.9	21.3	21.7
750	0	15.4	15.6	15.9	16.7	17.1	17.4	18.4	18.8	19.1	20.4	20.8	21.2
	20	15.7	15.9	16.2	17.2	17.4	17.7	18.8	19.1	19.4	20.8	21.2	21.6
	40	16.1	16.3	16.6	17.6	17.8	18.1	19.3	19.5	19.8	21.3	21.6	22.0
	60	16.8	17.0	17.2	18.3	18.6	18.8	20.0	20.3	20.6	22.2	22.5	22.9
1050	0	16.0	16.3	16.5	17.6	17.9	18.1	19.3	19.6	19.9	21.5	21.9	22.2
	20	16.3	16.5	16.7	17.9	18.2	18.4	19.6	20.0	20.3	21.9	22.3	22.6
	40	16.8	17.0	17.2	18.4	18.8	18.9	20.1	20.5	20.8	22.4	22.9	23.2
	60	17.5	17.8	18.0	19.1	19.5	19.7	20.9	21.3	21.6	23.2	23.7	24.0
1350	0	16.7	16.9	17.1	18.5	18.7	18.9	20.5	20.7	20.9	22.8	23.1	23.3
	20	16.9	17.2	17.4	18.7	19.0	19.2	20.7	20.9	21.1	23.1	23.3	23.5
	40	17.4	17.6	17.8	19.2	19.5	19.7	21.2	21.5	21.8	23.6	23.9	24.2
	60	18.2	18.4	18.7	20.0	20.3	20.6	22.0	22.3	22.6	24.4	24.8	25.1
1650	0	17.7	17.9	18.1	19.7	19.9	20.0	21.8	22.0	22.1	24.4	24.7	24.8
	20	17.9	18.1	18.3	19.9	20.1	20.2	22.0	22.2	22.3	24.6	24.9	25.0
	40	18.4	18.6	18.8	20.3	20.5	20.7	22.4	22.6	22.8	25.0	25.3	25.5
	60	19.1	19.2	19.4	21.1	21.2	21.4	23.2	23.4	23.6	25.9	26.0	26.3

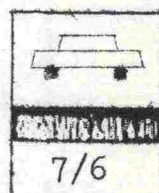
Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä
kestopäällyste



T	V k m	1985			1990			1995			2000		
		0	50	100	0	50	100	0	50	100	0	50	100
150	0	20.9	21.1	21.6	23.4	23.8	24.3	26.5	27.0	27.5	30.3	30.9	31.4
	20	21.3	21.6	22.0	23.8	24.3	24.7	26.9	27.5	28.0	30.7	31.4	31.9
	40	21.7	22.1	22.5	24.2	24.7	25.2	27.3	27.9	28.4	31.1	31.9	32.4
	60	22.3	22.7	23.1	25.0	25.5	26.0	28.3	28.9	29.5	32.3	33.1	33.7
450	0	21.8	22.2	22.5	24.5	24.9	25.3	27.7	28.2	28.7	31.7	32.2	32.8
	20	22.2	22.6	22.8	24.9	25.4	25.8	28.2	28.7	29.3	32.2	32.8	33.6
	40	22.6	23.0	23.4	25.3	25.8	26.3	28.7	29.2	29.8	32.8	33.4	34.1
	60	23.2	23.7	24.2	26.0	26.6	27.2	29.4	30.0	30.8	33.5	34.2	35.2
750	0	22.7	23.3	23.8	25.7	26.4	26.9	29.3	30.0	30.6	33.7	34.5	35.1
	20	23.3	23.8	24.3	26.2	26.9	27.5	29.8	30.4	31.3	34.2	34.9	35.9
	40	23.8	24.2	24.7	26.8	27.2	28.0	30.4	31.0	31.9	34.9	35.6	36.7
	60	24.8	25.2	25.6	27.8	28.3	28.3	31.5	32.1	32.6	36.0	36.8	37.4
1050	0	24.1	24.6	25.0	27.3	27.8	28.3	31.2	31.8	32.4	35.9	36.5	37.2
	20	24.6	25.1	25.4	27.8	28.3	28.8	31.8	32.3	32.9	36.5	37.1	37.8
	40	25.2	25.7	26.0	28.0	29.0	29.4	32.5	33.1	33.6	37.3	38.1	38.5
	60	26.0	26.6	26.9	29.3	30.0	30.4	33.4	34.2	34.6	38.3	39.3	39.7
1350	0	25.7	26.1	26.3	29.3	29.7	30.0	33.6	34.0	34.4	38.7	39.2	39.6
	20	26.0	26.3	26.5	29.5	29.9	30.2	33.8	34.2	34.6	39.0	39.4	39.8
	40	26.6	26.9	27.2	30.2	30.6	31.0	34.5	35.0	35.5	39.7	40.3	40.9
	60	27.4	27.8	28.2	31.1	31.5	32.0	35.5	36.0	36.5	40.8	41.4	42.1
1650	0	27.6	28.0	28.0	31.6	32.0	32.1	36.0	36.5	36.9	42.0	42.4	42.6
	20	27.7	28.1	28.2	31.8	32.2	32.5	36.5	36.8	37.2	42.2	42.5	42.9
	40	28.1	28.6	28.8	32.1	32.5	32.7	36.8	37.2	37.5	42.6	43.0	43.2
	60	29.1	29.2	29.6	33.4	33.6	33.9	38.2	38.5	38.8	44.2	44.3	44.9

Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä
kestopäällyste



T	V k m	1965			1970			1975		
		0	50	100	0	50	100	0	50	100
150	0	41.3	41.8	42.7	44.6	45.2	46.3	48.6	49.3	50.5
	20	42.9	43.4	44.1	46.4	47.1	47.9	50.6	51.4	52.3
	40	56.8	56.8	56.8	61.9	61.9	61.9	67.9	67.9	67.9
	60	71.6	71.6	71.6	78.2	78.2	78.2	86.1	86.1	86.1
450	0	42.1	42.6	43.3	45.5	46.1	47.0	49.7	50.4	51.4
	20	43.5	44.0	44.6	47.1	47.7	48.4	51.4	52.2	53.0
	40	57.1	57.1	57.1	62.2	62.2	62.2	68.3	68.3	68.3
	60	71.9	71.9	71.9	78.5	78.5	78.5	86.5	86.5	86.5
750	0	43.0	43.8	44.6	46.7	47.6	48.5	51.3	52.3	53.2
	20	44.6	45.3	45.7	48.4	49.2	49.7	53.1	54.0	54.6
	40	57.2	57.2	57.2	62.3	62.3	62.3	68.4	68.4	68.4
	60	72.0	72.0	72.0	78.6	78.6	78.6	86.6	86.6	86.6
1050	0	44.4	44.8	45.7	48.3	48.7	49.8	53.0	53.5	54.7
	20	45.4	46.4	46.8	49.5	50.6	51.1	54.4	55.6	56.3
	40	57.1	57.1	57.1	62.2	62.2	62.2	68.3	68.3	68.3
	60	71.9	71.9	71.9	78.5	78.5	78.5	86.5	86.5	86.5
1350	0	46.7	47.2	47.9	51.0	51.5	52.4	56.3	56.8	57.8
	20	47.6	48.1	48.6	51.9	52.6	53.2	57.2	58.0	58.7
	40	57.0	57.0	57.0	62.1	62.1	62.1	68.2	68.2	68.2
	60	71.8	71.8	71.8	78.4	78.4	78.4	86.4	86.4	86.4
1650	0	49.2	49.3	50.0	54.2	54.3	55.1	59.7	59.8	60.7
	20	49.5	49.7	50.3	54.5	54.7	55.4	60.0	60.2	61.0
	40	57.6	57.6	57.6	62.8	62.8	62.8	69.0	69.0	69.0
	60	71.8	71.8	71.8	78.4	78.4	78.4	86.4	86.4	86.4

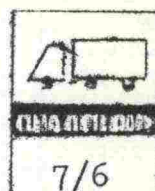
Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä
kestopäällyste



T	V k m	1980			1985			1990		
		0	50	100	0	50	100	0	50	100
150	0	53.4	54.2	55.7	59.2	60.2	62.0	66.3	67.5	69.6
	20	55.7	56.7	57.7	61.9	63.0	64.2	69.5	70.8	72.3
	40	75.3	75.3	75.3	84.3	84.3	84.3	95.3	95.3	95.3
	60	95.8	95.8	95.8	107.6	107.6	107.6	122.0	122.0	122.0
450	0	54.7	55.6	56.7	60.8	61.9	63.2	68.2	69.5	71.1
	20	56.1	57.1	58.7	62.0	63.1	65.5	70.2	71.6	73.8
	40	75.8	75.8	75.8	84.9	84.9	84.9	96.0	96.0	96.0
	60	96.3	96.3	96.3	108.2	108.2	108.2	122.7	122.7	122.7
750	0	56.7	57.8	59.0	63.1	64.4	65.8	71.0	72.6	74.2
	20	58.7	59.9	60.5	65.5	66.9	67.6	73.6	75.6	74.5
	40	75.9	75.9	75.9	85.0	85.0	85.0	96.1	96.1	96.1
	60	96.4	96.4	96.4	108.3	108.3	108.3	122.8	122.8	122.8
1050	0	58.7	59.3	60.7	65.6	66.4	68.0	73.9	74.9	76.8
	20	60.3	61.7	62.5	67.4	69.1	69.9	76.1	78.1	79.1
	40	75.8	75.8	75.8	84.9	84.9	84.9	96.0	96.0	96.0
	60	96.3	96.3	96.3	108.2	108.2	108.2	122.7	122.7	122.7
1350	0	62.6	63.2	64.4	70.2	71.0	72.3	79.5	80.6	82.0
	20	63.6	64.6	65.4	71.4	72.5	73.5	81.0	82.2	83.4
	40	75.6	75.6	75.6	84.7	84.7	84.7	95.8	95.8	95.8
	60	96.1	96.1	96.1	108.0	108.0	108.0	122.5	122.5	122.5
1650	0	66.7	66.8	67.9	75.2	75.3	76.5	85.5	85.6	87.1
	20	67.0	67.2	68.2	75.5	75.7	76.8	85.8	86.0	87.4
	40	76.6	76.6	76.6	85.9	85.9	85.9	97.3	97.3	97.3
	60	96.1	96.1	96.1	108.0	108.0	108.0	122.5	122.5	122.5

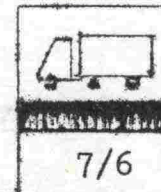
Selitykset:

T = tuntiliikenne (hay)

m = mäkiisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä
kestopäällyste



T	V	1995			2000			
		k	0	50	100	0	50	100
		m						
150	0	74.9	76.4	78.8	85.3	87.1	89.8	
	20	78.6	80.2	82.0	89.7	91.7	93.7	
	40	108.5	108.5	108.5	125.7	125.7	125.7	
	60	139.3	139.3	139.3	161.6	161.6	161.6	
450	0	77.2	78.8	80.6	88.1	90.0	92.0	
	20	80.1	81.8	83.8	91.5	93.6	96.0	
	40	109.3	109.3	109.3	126.6	126.6	126.6	
	60	108.2	108.2	108.2	162.5	162.5	162.5	
750	0	80.6	82.5	84.4	92.2	94.5	96.7	
	20	83.2	85.8	86.9	95.3	98.3	99.5	
	40	109.5	109.5	109.5	126.8	126.8	126.8	
	60	140.3	140.3	140.3	162.7	126.7	126.7	
1050	0	84.1	85.2	87.4	96.4	97.6	100.0	
	20	86.6	88.9	90.1	99.4	102.1	103.4	
	40	109.3	109.3	109.3	126.5	126.5	126.5	
	60	140.1	140.1	140.1	162.4	162.4	162.4	
1350	0	90.8	92.1	93.7	104.3	105.7	107.8	
	20	92.5	93.9	95.3	106.4	107.9	109.7	
	40	109.1	109.1	109.1	126.3	126.3	126.3	
	60	139.9	139.9	139.9	162.2	162.2	162.2	
1650	0	97.9	98.0	99.8	112.8	113.0	113.9	
	20	98.2	98.4	100.1	113.1	113.4	114.2	
	40	110.9	110.9	110.9	128.2	128.2	128.2	
	60	139.9	139.9	139.9	162.2	162.2	162.2	

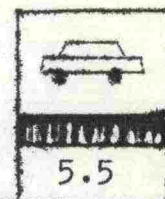
Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä
kestopäällyste

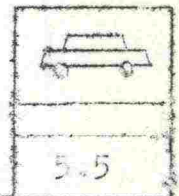


T	V k m	1965			1970			1975			1980		
		0	50	100	0	50	100	0	50	100	0	50	100
150	0	15.1	15.1	15.3	16.4	16.5	16.7	17.9	18.1	18.3	19.8	20.1	20.4
	20	15.3	15.4	15.6	16.6	16.8	17.0	18.2	18.4	18.6	20.1	20.4	20.7
	40	15.6	15.8	16.0	17.0	17.2	17.4	18.6	18.8	19.1	20.5	20.8	21.2
	60	16.1	16.3	16.6	17.5	17.7	18.1	19.2	19.4	19.8	21.2	21.5	22.0
450	0	15.7	15.8	15.9	17.1	17.3	17.5	18.8	19.0	19.4	20.9	21.2	21.7
	20	16.0	16.1	16.2	17.5	17.6	17.8	19.2	19.4	19.6	21.4	21.6	22.0
	40	16.3	16.5	16.7	17.8	18.0	18.3	19.6	19.8	20.1	21.8	22.1	22.5
	60	16.9	17.2	17.5	18.4	18.7	19.1	20.2	20.5	20.9	22.5	22.7	23.3
750	0	16.3	16.4	16.6	17.8	18.0	18.3	19.6	19.9	20.2	21.9	22.2	22.6
	20	16.5	16.7	16.9	18.1	18.4	18.7	20.0	20.3	20.7	22.3	22.6	23.1
	40	16.9	17.2	17.4	18.5	18.9	19.2	20.4	20.8	21.2	22.8	23.2	23.6
	60	17.7	18.0	18.3	19.4	19.7	20.1	21.3	21.7	22.1	23.7	24.1	24.6
1050	0	17.1	17.3	17.6	18.9	19.1	19.4	21.0	21.1	21.4	23.5	23.7	24.1
	20	17.2	17.3	17.5	19.1	19.2	19.4	21.2	21.4	21.6	23.6	23.9	24.3
	40	17.6	17.7	17.8	19.5	19.6	19.7	21.6	21.8	21.9	24.1	24.4	24.6
	60	18.5	18.7	18.9	20.5	20.7	20.9	22.7	22.9	23.1	25.2	25.6	25.9
1350	0	18.7	18.7	18.8	20.9	20.9	21.0	23.3	23.3	23.4	26.2	26.2	26.3
	20	18.9	18.9	19.0	21.1	21.1	21.2	23.5	23.5	23.6	26.4	26.4	26.5
	40	19.3	19.4	19.5	21.5	21.6	21.7	23.9	24.0	24.1	26.8	26.9	27.0
	60	20.0	20.1	20.1	22.2	22.3	22.4	24.6	24.7	24.8	27.5	27.6	27.7

Selitykset:

- T = tuntiliikenne (hay)
m = mäkisyys
k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä
kestopäällyste



T	V k m	1985			1990			1995			2000		
		0	50	100	0	50	100	0	50	100	0	50	100
150	0	22.1	22.4	22.8	24.9	25.3	25.8	28.2	28.7	29.2	32.1	32.7	33.2
	20	22.4	22.8	23.2	25.3	25.8	26.3	28.7	29.2	29.8	32.7	33.2	33.9
	40	22.8	23.2	23.6	25.7	26.2	26.7	29.1	29.6	30.2	33.1	33.6	34.3
	60	23.5	24.0	24.5	26.5	27.0	27.7	29.9	30.5	31.3	33.9	34.6	35.7
450	0	23.4	23.8	24.3	26.5	27.0	27.6	30.2	30.7	31.5	34.6	35.2	36.1
	20	23.9	24.2	24.7	27.1	27.5	28.0	30.8	31.3	31.8	35.3	35.9	36.4
	40	24.3	24.7	25.3	27.5	28.0	28.6	31.2	31.9	32.4	35.7	36.5	37.0
	60	25.1	25.3	26.1	28.3	28.7	29.5	32.1	32.7	33.5	36.6	37.4	38.2
750	0	24.6	25.0	25.4	27.9	28.4	28.9	31.9	32.4	33.1	36.6	37.2	37.9
	20	25.1	25.4	25.9	28.5	29.0	29.5	32.6	33.2	33.8	37.4	38.1	38.7
	40	25.6	26.0	26.4	29.0	29.4	30.0	33.0	33.5	34.2	37.9	38.4	39.1
	60	26.6	27.0	27.6	30.1	30.6	31.3	34.2	34.9	35.7	39.2	39.9	40.8
1050	0	26.5	26.8	27.2	30.2	30.6	31.0	34.7	35.2	35.6	40.1	40.7	41.1
	20	26.5	26.8	27.2	30.2	30.6	31.0	34.7	35.2	35.6	40.1	40.7	41.1
	40	27.1	27.5	27.8	30.9	31.3	31.6	35.5	35.9	36.2	41.0	41.4	41.8
	60	28.2	28.7	29.1	32.3	32.7	33.1	37.2	37.4	37.8	42.7	43.0	43.5
1350	0	29.7	29.7	29.8	34.0	34.0	34.1	39.3	39.3	39.4	45.5	45.5	45.6
	20	29.8	29.8	29.9	34.1	34.1	34.2	39.4	39.4	39.5	45.6	45.6	45.7
	40	30.3	30.4	30.5	34.6	34.7	34.8	39.9	40.0	40.1	46.2	46.3	46.4
	60	31.0	31.1	31.2	35.3	35.4	35.5	40.6	40.7	40.8	46.9	47.0	47.2

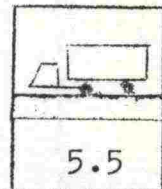
Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä
kestopäällyste



T	V m	1965			1970			1975		
		0	50	100	0	50	100	0	50	100
150	0	42.1	42.5	43.0	45.6	46.1	46.8	49.8	50.4	51.2
	20	43.3	43.9	44.5	47.0	47.7	48.4	51.3	52.2	53.0
	40	57.3	57.3	57.3	62.4	62.4	62.4	68.6	68.6	68.6
	60	72.1	72.1	72.1	78.7	78.7	78.7	86.8	86.8	86.8
450	0	42.8	43.3	43.8	46.5	47.1	47.6	50.8	51.5	52.3
	20	44.0	44.8	45.4	47.9	48.7	49.6	52.4	53.3	54.2
	40	57.8	57.8	57.8	62.9	62.9	62.9	69.3	69.3	69.3
	60	72.6	72.6	72.6	79.3	79.3	79.3	87.5	87.5	87.5
750	0	44.1	44.6	45.0	48.0	48.7	49.1	52.7	53.5	54.0
	20	45.2	45.6	46.5	49.3	49.7	50.8	54.1	54.6	55.8
	40	57.8	57.8	57.8	62.9	62.9	62.9	69.3	69.3	69.3
	60	72.6	72.6	72.6	79.3	79.3	79.3	87.5	87.5	87.5
1050	0	46.3	46.7	47.2	50.7	51.2	51.7	55.9	56.6	57.1
	20	47.3	47.9	48.5	51.8	52.4	53.2	57.2	57.8	58.7
	40	57.8	57.8	57.8	62.9	62.9	62.9	69.3	69.3	69.3
	60	72.4	72.4	72.4	79.1	79.1	79.1	87.3	87.3	87.3
1350	0	50.9	50.9	51.1	55.7	55.7	55.9	62.4	62.4	62.6
	20	51.7	51.7	51.9	56.5	56.5	56.7	63.2	63.2	63.4
	40	58.8	58.8	58.8	64.3	64.3	64.3	70.9	70.9	70.9
	60	72.4	72.4	72.4	79.1	79.1	79.1	87.3	87.3	87.3

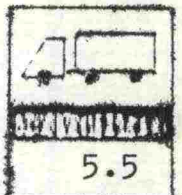
Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä
kestopäällyste



T	V m	1980			1985			1990		
		0	50	100	0	50	100	0	50	100
150	0	54.9	55.7	56.6	61.0	62.0	63.1	68.5	69.8	70.6
	29	56.7	57.7	58.8	63.1	64.2	65.6	70.9	72.4	74.0
	40	76.1	76.1	76.1	85.3	85.3	85.3	96.5	96.5	96.5
	60	96.6	96.6	96.6	108.6	108.6	108.6	123.3	123.3	123.3
450	0	56.2	57.0	57.9	62.7	63.6	64.6	70.3	71.5	72.9
	20	57.9	59.0	60.1	64.6	65.8	67.2	72.7	74.2	75.9
	40	77.0	77.0	77.0	86.3	86.3	86.3	97.7	97.7	97.7
	60	97.5	97.5	97.5	109.6	109.6	109.6	124.5	124.5	124.5
750	0	58.3	59.3	60.0	65.2	66.5	67.3	73.5	75.1	76.1
	20	59.9	60.9	62.0	67.1	68.5	69.5	75.7	77.9	79.0
	40	77.0	77.0	77.0	86.3	86.3	86.3	97.7	97.7	97.7
	60	97.5	97.5	97.5	109.6	109.6	109.6	124.5	124.5	124.5
1050	0	62.1	62.9	63.6	69.8	70.8	71.6	79.1	80.3	81.3
	20	63.5	64.3	65.3	71.4	72.3	73.5	80.9	82.5	83.9
	40	76.8	76.8	76.8	85.9	85.9	85.9	97.2	97.2	97.2
	60	97.2	97.2	97.2	109.2	109.2	109.2	124.0	124.0	124.0
1350	0	70.0	70.0	70.2	79.2	79.2	79.4	90.5	90.5	90.7
	20	70.8	70.8	71.0	80.0	80.0	80.2	91.3	91.3	91.5
	40	78.8	78.8	78.8	88.4	88.4	88.4	100.3	100.3	100.3
	60	97.3	97.3	97.3	109.2	109.2	109.2	124.0	124.0	124.0

Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä
kestopäällyste



T	V	1995			2000		
		k m	0	50	100	0	50
150	0	77.6	79.1	80.7	88.6	90.4	92.3
	20	80.3	82.1	84.0	91.7	93.8	96.0
	40	109.9	109.9	109.9	127.4	127.4	127.4
	60	140.7	140.7	140.7	163.2	163.2	163.2
450	0	79.7	81.2	82.9	90.4	92.3	94.4
	20	82.6	84.4	86.3	93.4	95.5	97.0
	40	111.3	111.3	111.3	129.0	129.0	129.0
	60	142.1	142.1	142.1	164.8	164.8	164.8
750	0	83.8	85.6	86.7	96.2	98.6	100.0
	20	86.2	87.3	89.5	99.1	100.3	103.9
	40	111.3	111.3	111.3	129.0	129.0	129.0
	60	142.1	142.1	142.1	164.8	164.8	164.8
1050	0	90.6	91.9	93.2	104.2	105.7	107.5
	20	92.5	93.9	95.4	106.4	108.2	110.1
	40	110.8	110.8	110.8	128.4	128.4	128.4
	60	141.6	141.6	141.6	164.3	164.3	164.3
1350	0	104.1	104.1	104.3	120.3	120.3	120.5
	20	104.9	104.9	105.1	121.1	121.1	121.3
	40	114.4	114.4	114.4	132.7	132.7	132.7
	60	141.6	141.6	141.6	164.3	164.3	164.3

Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä
öljysora



13/7.5

T	V k m	1965			1970			1975			1980		
		0	50	100	0	50	100	0	50	100	0	50	100
150	0	14.1	14.1	14.2	15.0	15.0	15.2	16.1	16.1	16.3	17.3	17.4	17.7
	20	14.2	14.3	14.3	15.1	15.2	15.3	16.2	16.3	16.5	17.5	17.7	17.9
	40	14.5	14.6	14.7	15.4	15.6	15.7	16.5	16.7	16.9	17.8	18.1	18.3
	60	15.0	15.1	15.2	16.0	16.1	16.3	17.1	17.2	17.5	18.4	18.6	19.0
450	0	14.5	14.6	14.7	15.5	15.6	15.8	16.7	16.8	17.0	18.1	18.3	18.6
	20	14.6	14.7	14.8	15.6	15.8	15.9	16.8	17.0	17.2	18.3	18.6	18.8
	40	14.8	14.9	15.1	15.8	16.0	16.2	17.0	17.2	17.5	18.5	18.7	19.1
	60	15.2	15.4	15.7	16.3	16.5	16.8	17.5	17.7	18.1	19.3	19.3	19.8
750	0	14.7	14.9	15.1	15.8	16.0	16.3	17.1	17.3	17.6	18.7	18.9	19.3
	20	14.9	15.1	15.3	16.0	16.2	16.5	17.2	17.5	17.8	18.8	19.2	19.6
	40	15.1	15.2	15.4	16.2	16.4	16.6	17.4	17.7	17.9	19.1	19.4	19.7
	60	15.5	15.6	15.9	16.6	16.8	17.1	17.9	18.2	18.5	19.6	19.9	20.3
1050	0	15.0	15.3	15.4	16.2	16.5	16.7	17.6	17.9	18.1	19.3	19.7	20.0
	20	15.2	15.4	15.6	16.5	16.7	16.9	17.9	18.1	18.4	19.7	19.9	20.4
	40	15.4	15.6	15.9	16.7	16.9	17.2	18.1	18.4	18.7	19.9	20.3	20.6
	60	15.8	16.1	16.4	17.1	17.4	17.8	18.5	18.9	19.3	20.3	20.8	21.2
1350	0	15.3	15.6	15.8	16.6	16.9	17.1	18.0	18.3	18.6	19.8	20.2	20.5
	20	15.5	15.8	16.1	16.8	17.1	17.4	18.2	18.5	18.9	20.0	20.4	20.8
	40	15.7	16.0	16.3	17.0	17.3	17.7	18.4	18.8	19.2	20.3	20.7	21.2
	60	16.2	16.4	16.7	17.5	17.8	18.1	19.0	19.3	19.6	20.9	21.3	21.7
1650	0	15.7	15.9	16.1	17.0	17.3	17.4	18.5	18.8	19.0	20.4	20.8	21.1
	20	16.0	16.2	16.4	17.3	17.6	17.8	18.8	19.2	19.4	20.8	21.2	21.5
	40	16.3	16.5	16.8	17.7	18.0	18.2	19.2	19.5	19.8	21.2	21.2	21.6
	60	16.8	17.1	17.3	18.2	18.5	18.8	19.8	20.1	20.4	21.9	22.3	22.6
1950	0	16.2	16.5	16.6	17.5	17.8	18.0	19.1	19.3	19.5	21.0	21.4	21.6
	20	16.5	16.8	17.0	17.9	18.2	18.4	19.4	19.8	19.9	21.4	21.8	22.1
	40	16.9	17.1	17.3	18.3	18.6	18.8	19.9	20.2	20.4	21.9	22.3	22.6
	60	17.4	17.8	17.9	18.9	19.2	19.5	20.6	20.9	21.2	22.8	23.2	23.3

Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä
öljysora



13/7.5

T	V k m	1985			1990			1995			2000		
		0	50	100	0	50	100	0	50	100	0	50	100
150	0	18.9	19.0	19.4	20.8	21.0	21.5	23.1	23.4	24.0	26.0	26.4	27.1
	20	19.1	19.3	19.6	21.1	21.4	21.8	23.4	23.8	24.3	26.4	26.9	27.5
	40	19.4	19.7	20.0	21.4	21.8	22.2	23.8	24.3	24.8	26.9	27.5	28.1
	60	20.0	20.3	20.7	19.0	22.6	23.1	24.7	25.2	25.9	27.9	28.5	29.3
450	0	19.8	20.1	20.4	21.9	22.3	22.7	24.4	24.9	25.4	27.6	28.1	28.7
	20	20.0	20.4	20.6	22.2	22.6	23.0	24.7	25.2	25.7	28.0	28.5	29.1
	40	20.3	20.6	20.9	22.5	22.9	23.4	25.1	25.5	26.2	28.5	28.9	29.7
	60	20.8	21.1	21.7	23.1	23.5	24.2	25.8	26.3	27.0	29.3	29.9	30.7
750	0	20.5	20.8	21.3	22.8	23.2	23.8	25.5	26.0	26.7	28.9	29.5	30.3
	20	20.7	21.1	21.6	23.1	23.6	24.1	25.9	26.4	27.0	29.4	30.0	30.6
	40	21.0	21.3	21.8	23.5	23.8	24.4	26.3	26.7	27.3	29.9	30.4	31.4
	60	21.6	21.9	22.4	24.0	24.6	25.1	27.0	27.5	28.2	30.7	31.3	32.1
1050	0	21.3	21.8	22.1	23.8	24.4	24.8	26.7	27.3	27.8	30.3	31.0	31.6
	20	21.7	22.0	22.6	24.4	24.6	25.2	27.1	27.6	28.3	30.8	31.4	32.1
	40	21.9	22.4	22.7	24.6	25.0	25.4	27.4	28.1	28.6	31.1	32.0	32.5
	60	22.4	23.0	23.4	25.0	25.7	26.2	28.1	28.9	29.5	31.9	32.8	33.5
1350	0	21.9	22.4	22.7	24.5	25.1	25.5	27.7	28.3	28.8	31.6	32.2	32.8
	20	22.2	22.6	23.1	24.8	25.3	26.0	28.0	28.6	29.5	31.9	32.6	33.6
	40	22.5	22.9	23.5	25.1	25.7	26.4	28.4	29.0	29.9	32.4	33.0	34.0
	60	23.1	23.5	24.0	25.9	26.4	26.9	29.2	29.8	30.4	33.3	34.0	34.6
1650	0	22.6	23.1	23.4	23.4	25.9	26.3	28.7	29.3	29.8	32.6	33.3	33.9
	20	23.0	23.4	23.9	25.9	26.4	26.9	29.3	29.9	30.5	33.3	34.0	34.7
	40	23.4	23.9	24.3	26.3	26.9	27.4	29.8	30.4	31.1	33.9	34.6	35.4
	60	24.2	24.7	25.0	27.2	27.8	28.1	30.7	31.4	31.8	35.0	35.8	36.3
1950	0	23.2	23.7	24.1	26.1	26.6	27.1	29.7	30.2	30.8	33.9	34.5	35.2
	20	23.7	24.3	24.7	26.7	27.2	27.9	30.3	30.9	31.8	34.6	35.3	36.3
	40	24.2	24.8	25.1	27.2	27.8	28.3	30.9	31.5	32.2	35.3	36.0	36.8
	60	25.3	25.8	25.7	28.3	28.9	29.1	31.9	32.7	33.1	36.4	37.3	37.8

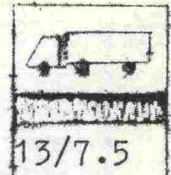
Selitykset:

T = tuntiliikenne (hay)

m = mäkiisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä
öljysora



T	V k m	1965			1970			1975		
		0	50	100	0	50	100	0	50	100
150	0	41.7	42.4	43.0	44.7	45.5	46.1	48.2	49.2	49.9
	20	43.0	43.5	44.1	46.2	46.8	47.5	50.0	50.7	51.5
	40	57.0	57.0	57.0	61.9	61.9	61.9	67.7	67.7	67.7
	60	72.0	72.0	72.0	78.4	78.4	78.4	86.1	86.1	86.1
450	0	42.4	42.9	43.7	45.5	46.1	47.0	49.2	49.9	50.9
	20	43.6	44.3	44.9	46.6	46.8	47.6	50.6	51.9	53.8
	40	57.3	57.3	57.3	62.2	62.2	62.2	68.1	68.1	68.1
	60	72.3	72.3	72.3	78.7	78.7	78.7	86.5	86.4	86.5
750	0	42.9	43.6	44.3	46.1	46.6	47.7	49.9	50.3	51.8
	20	44.1	44.7	45.4	47.5	48.2	49.0	51.5	52.4	53.3
	40	57.4	57.4	57.4	62.3	62.3	62.3	68.2	68.2	68.2
	60	72.4	72.4	72.4	78.8	78.8	78.8	86.6	86.6	86.6
1050	0	43.7	44.3	44.9	47.1	46.8	48.5	51.1	51.9	52.8
	20	44.6	45.3	46.0	48.2	49.0	49.8	52.4	53.3	54.3
	40	57.4	57.4	57.4	62.4	62.4	62.4	68.3	68.3	68.3
	60	72.4	72.4	72.4	78.9	78.9	78.9	86.7	86.7	86.7
1350	0	44.3	44.9	45.6	47.7	48.5	49.3	51.8	52.7	53.7
	20	45.3	46.0	46.4	48.9	49.8	50.2	53.2	54.2	54.7
	40	57.4	57.4	57.4	62.3	62.3	62.3	68.2	68.2	68.2
	60	72.4	72.4	72.4	78.8	78.8	78.8	86.6	86.6	86.6
1650	0	45.2	45.5	46.4	48.8	49.5	50.2	53.1	54.1	54.7
	20	45.9	46.3	47.2	49.6	50.1	51.1	54.1	54.6	55.8
	40	57.4	57.4	57.4	62.3	62.3	62.3	68.2	68.2	68.2
	60	72.4	72.4	72.4	78.8	78.8	78.8	86.6	86.6	86.6
	0	46.2	46.4	47.0	49.9	50.7	51.1	54.5	55.4	55.9
	20	46.6	46.8	47.7	50.4	51.0	52.0	54.9	55.8	57.0
	40	57.4	57.4	57.4	62.3	62.3	62.3	68.2	68.2	68.2
	60	72.4	72.4	72.4	78.8	78.8	78.8	86.6	86.6	86.6

Selitykset:

T = tuntiliikenne (hay)

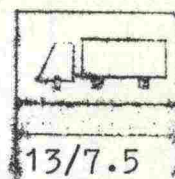
m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km

2-kaistaisilla teillä

öljysora



T	V k m	1980			1985			1990		
		0	50	100	0	50	100	0	50	100
150	0	52.5	53.7	54.6	57.8	59.1	60.2	64.1	64.8	67.0
	20	54.7	55.5	56.5	60.3	61.2	62.4	67.0	68.3	69.7
	40	74.8	74.8	74.8	83.5	83.5	83.5	94.1	94.1	94.1
	60	95.5	95.5	95.5	107.0	107.0	107.0	121.0	121.0	121.0
450	0	53.7	54.5	55.8	59.2	60.1	61.7	65.8	67.0	68.9
	20	55.5	56.9	57.9	61.3	62.9	64.0	68.3	70.3	71.8
	40	75.3	75.3	75.3	84.1	84.1	84.1	94.8	94.8	94.8
	60	96.0	96.0	96.0	107.6	107.6	107.6	121.7	121.7	121.7
750	0	54.6	55.3	56.9	60.3	61.4	63.0	68.1	68.4	70.5
	20	56.4	57.5	58.1	62.5	63.7	64.9	69.8	71.3	72.8
	40	75.5	75.5	75.5	84.3	84.3	84.3	95.1	95.1	95.1
	60	96.1	96.1	96.1	107.8	107.8	107.8	122.0	122.0	122.0
1050	0	56.0	57.0	58.0	61.9	63.1	64.2	68.8	70.5	71.7
	20	57.5	58.6	59.3	63.7	64.9	66.4	71.3	72.9	74.6
	40	75.6	75.6	75.6	84.4	84.4	84.4	95.2	95.3	95.2
	60	96.2	96.2	96.2	107.9	107.9	107.9	122.1	122.1	122.1
1350	0	56.9	57.9	59.1	63.0	64.2	65.6	70.4	71.9	73.3
	20	58.5	59.7	60.4	64.8	66.3	67.1	82.1	84.1	85.2
	40	75.5	75.5	75.5	84.3	84.3	84.3	95.1	95.1	95.1
	60	96.1	96.1	96.1	107.8	107.8	107.8	122.0	122.0	122.0
1650	0	58.5	59.6	60.3	65.0	66.2	67.1	72.7	74.6	75.3
	20	59.6	60.2	61.6	66.2	67.0	68.6	74.3	75.3	77.3
	40	75.5	75.5	75.5	84.3	84.3	84.3	95.1	95.1	95.1
	60	96.1	96.1	96.1	107.8	107.8	107.8	122.0	122.0	122.0
1950	0	60.3	61.3	61.7	67.2	68.2	69.7	75.3	76.8	77.6
	20	60.6	61.6	63.0	68.0	69.1	70.1	76.7	77.8	79.0
	40	75.5	75.5	75.5	84.3	84.3	84.3	93.9	93.9	93.9
	60	96.1	96.1	96.1	107.8	107.8	107.8	121.8	121.8	121.8

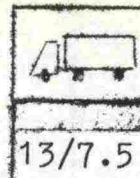
Selitykset:

T = tuntiliikenne

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä
öljysora



T	V	1995			2000		
		k m	0	50	100	0	50
150	0	71.8	73.8	75.2	81.1	82.5	84.3
	20	75.3	76.8	78.4	84.9	86.8	89.0
	40	106.9	106.9	106.9	123.5	123.5	123.5
	60	137.9	137.9	137.9	159.6	159.6	159.6
450	0	73.8	75.2	77.5	83.5	85.2	88.0
	20	76.9	79.1	80.9	87.4	90.1	92.3
	40	107.7	107.7	107.7	124.4	124.4	124.4
	60	138.7	138.7	138.7	160.6	160.6	160.6
750	0	75.4	77.1	79.3	85.5	87.4	89.9
	20	78.7	80.4	82.2	89.5	91.5	93.6
	40	108.0	108.0	108.0	124.8	124.8	124.8
	60	139.0	139.0	139.0	161.0	161.0	161.0
1050	0	77.1	79.4	80.4	87.5	90.0	91.4
	20	80.4	82.2	84.2	91.6	93.7	96.0
	40	108.1	108.1	108.1	124.9	124.9	124.9
	60	139.1	139.1	139.1	161.1	161.1	161.1
1350	0	79.3	81.1	82.5	90.2	92.3	93.9
	20	82.1	84.1	85.2	93.5	95.8	97.2
	40	108.0	108.0	108.0	124.8	124.8	124.8
	60	139.0	139.0	139.0	160.9	160.9	160.9
1650	0	82.0	84.0	85.2	93.5	96.0	97.7
	20	84.0	85.1	87.3	96.0	97.6	100.6
	40	108.0	108.0	108.0	124.8	124.8	124.8
	60	139.0	139.0	139.0	160.9	160.9	160.9
1950	0	85.0	87.1	88.1	98.0	100.0	101.0
	20	87.1	88.2	89.5	100.0	101.1	102.3
	40	108.0	108.0	108.0	124.8	124.8	124.8
	60	139.0	139.0	139.0	160.9	160.9	160.9

Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km

2-kaistaisilla teillä

öljysora



T	V	1965			1970			1975			1980			
		k m	0	50	100	0	50	100	0	50	100	0	50	100
150	0		14.0	14.0	14.1	14.9	15.0	15.1	16.1	16.2	16.3	17.4	17.6	17.8
	20		14.1	14.1	14.3	15.0	15.2	15.3	16.1	16.3	16.5	17.5	17.8	18.0
	40		14.3	14.4	14.6	15.3	15.5	15.7	16.4	16.8	16.9	17.8	18.2	18.4
	60		14.9	15.1	15.3	15.9	16.1	16.4	17.0	17.3	17.6	18.4	18.8	19.1
450	0		14.4	14.6	14.7	15.4	15.7	15.8	16.6	16.9	17.0	18.1	18.5	18.6
	20		14.6	14.8	14.9	15.6	15.9	16.0	16.8	17.1	17.3	18.4	18.7	18.9
	40		14.7	14.9	15.1	15.8	16.0	16.3	17.0	17.3	17.6	18.6	18.8	19.3
	60		15.1	15.4	15.5	16.3	16.5	16.7	17.6	17.8	18.1	19.1	19.4	19.8
750	0		14.7	15.0	15.1	15.8	16.2	16.3	17.1	17.5	17.7	18.8	19.2	19.5
	20		15.0	15.2	15.4	15.9	16.3	16.5	17.4	17.6	17.9	19.1	19.4	19.8
	40		15.2	15.5	15.6	16.4	16.7	16.9	17.7	18.0	18.2	19.5	19.8	20.2
	60		15.6	15.8	16.0	16.8	17.0	17.3	18.1	18.4	18.7	19.9	20.2	20.6
1050	0		15.0	15.3	15.4	16.2	16.5	16.7	17.6	17.9	18.2	19.4	19.8	20.1
	20		15.3	15.5	15.6	16.5	16.8	17.0	17.9	18.2	18.5	19.8	20.1	20.4
	40		15.5	15.7	15.9	16.8	17.0	17.3	18.2	18.5	18.9	20.1	20.4	20.8
	60		16.1	16.3	16.5	17.4	17.7	17.9	18.9	19.2	19.5	20.7	21.4	25.8
1350	0		15.5	15.6	15.9	16.8	17.0	17.3	18.3	18.5	18.8	20.2	20.5	20.8
	20		15.7	15.9	16.2	17.1	17.3	17.6	18.6	18.9	19.2	20.6	20.9	21.2
	40		16.1	16.3	16.6	17.5	17.7	18.0	19.0	19.3	19.6	21.0	21.4	21.7
	60		16.7	17.0	17.2	18.1	18.4	18.7	19.7	20.0	20.3	21.7	22.2	22.5
1650	0		16.0	16.3	16.5	17.4	17.8	18.0	19.0	19.4	19.6	21.1	21.6	21.8
	20		16.2	16.4	16.7	17.6	17.9	18.2	19.2	19.5	19.9	21.3	21.7	22.1
	40		16.6	16.8	17.1	18.1	18.3	18.6	19.7	20.0	20.4	21.8	22.2	22.6
	60		17.4	17.6	17.9	18.9	19.2	19.3	20.6	20.9	21.2	22.8	23.1	23.5
1950	0		16.5	16.8	17.0	18.0	18.4	18.6	19.7	20.2	20.4	21.9	22.5	23.0
	20		16.9	17.0	17.2	18.4	18.6	18.8	20.0	20.3	20.6	22.3	22.7	23.1
	40		17.3	17.5	17.7	18.9	19.1	19.4	20.5	20.8	21.1	22.8	23.1	23.4
	60		18.2	18.3	18.5	19.8	20.0	20.4	21.6	21.9	22.1	24.0	24.3	24.6

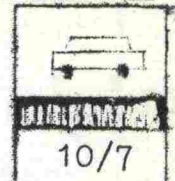
Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä
öljysora



T	V	1985			1990			1995			2000		
		k m	0	50	100	0	50	100	0	50	100	0	50
150	0	19.0	19.2	19.5	21.0	21.3	21.7	23.4	23.7	24.2	26.4	26.8	27.4
	20	19.1	19.4	19.8	21.2	21.5	21.9	23.6	24.0	24.5	26.7	27.2	27.8
	40	19.5	19.8	20.1	21.5	21.9	22.4	23.9	24.5	25.0	27.1	27.8	28.4
	60	20.1	20.5	20.9	22.3	22.7	23.3	24.9	25.9	26.2	28.2	28.7	29.7
450	0	19.9	20.3	20.5	22.2	22.6	22.8	24.7	25.3	25.7	27.9	28.6	29.1
	20	20.2	20.5	20.9	22.5	24.0	23.5	25.1	25.6	26.3	28.4	29.0	29.8
	40	20.4	20.7	21.2	22.7	23.2	23.7	25.3	25.8	26.5	28.7	29.3	30.1
	60	20.9	21.3	21.7	23.5	23.8	24.3	26.0	26.6	27.2	29.5	30.2	30.9
750	0	20.7	21.2	21.5	23.2	23.7	24.0	26.0	26.6	27.1	29.5	30.2	30.6
	20	21.1	21.5	21.9	23.6	24.1	24.6	26.5	27.1	27.7	30.1	30.8	31.3
	40	21.4	21.9	22.2	23.9	24.5	25.1	26.8	27.5	28.2	30.5	31.3	31.9
	60	22.0	22.4	22.8	24.5	25.0	25.5	27.4	28.1	28.8	31.2	31.9	32.7
1050	0	21.5	22.0	22.3	25.2	24.7	25.1	27.2	27.9	28.3	31.0	31.8	32.3
	20	21.9	22.3	22.7	24.7	25.2	25.6	27.8	28.3	28.9	31.7	32.3	33.0
	40	22.2	22.6	23.2	24.9	25.4	26.1	28.1	28.6	29.4	32.0	32.6	33.5
	60	23.0	23.4	23.8	25.8	26.3	26.8	29.0	29.5	30.2	33.0	33.6	34.4
1350	0	22.4	22.8	23.2	25.2	25.6	26.1	28.5	29.0	29.6	32.4	33.0	33.7
	20	22.9	23.3	23.7	25.7	26.2	26.7	29.1	29.7	30.3	33.1	33.8	34.5
	40	23.3	23.7	24.2	26.3	26.8	27.3	29.7	30.3	30.9	33.8	34.5	35.2
	60	24.1	24.6	24.9	27.1	27.6	28.0	30.6	31.3	31.7	34.9	35.7	36.2
1650	0	23.5	24.0	24.4	26.4	27.1	27.6	30.1	30.8	31.3	34.5	35.3	35.8
	20	23.8	24.2	24.7	27.0	27.6	28.0	30.5	31.3	31.7	34.9	35.8	36.3
	40	24.3	24.7	25.2	27.5	28.0	28.5	31.1	31.7	32.4	35.5	36.3	37.1
	60	25.4	25.8	26.2	28.6	29.0	29.3	32.4	33.0	33.4	36.9	37.7	38.2
1950	0	24.3	25.1	25.7	27.8	28.6	30.0	32.0	32.8	33.3	36.7	37.6	38.2
	20	24.9	25.4	25.9	28.5	29.0	29.4	32.4	33.1	33.4	37.2	38.0	38.4
	40	25.4	25.7	26.2	28.8	29.3	29.8	32.8	33.4	34.0	37.7	38.4	39.1
	60	26.8	27.1	27.5	30.5	30.7	30.9	34.9	35.2	35.4	39.9	39.4	40.7

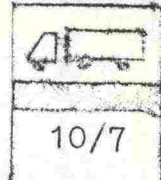
Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä
öljysora



T	V	1965			1970			1975			
		k m	0	50	100	0	50	100	0	50	100
150	0		41.7	42.4	42.9	44.7	45.5	46.2	48.3	49.2	50.0
	20		43.2	43.7	44.3	46.5	47.2	47.9	50.4	51.1	52.0
	40		57.0	57.0	57.0	61.9	61.9	61.9	67.7	67.7	67.7
	60		72.0	72.0	72.0	78.4	78.4	78.4	86.1	86.1	86.1
450	0		42.4	42.9	43.7	45.6	46.1	47.1	49.3	49.9	51.1
	20		43.5	44.1	44.7	46.5	47.3	48.4	50.7	51.6	52.6
	40		57.3	57.3	57.3	62.2	62.2	62.2	68.1	68.1	68.1
	60		72.3	72.3	72.3	78.7	78.7	78.7	86.5	86.5	86.5
750	0		43.2	43.8	44.4	46.5	47.2	47.9	50.4	51.2	52.1
	20		44.2	44.8	45.4	47.6	48.4	49.1	51.7	52.7	53.4
	40		57.4	57.4	57.4	62.3	62.3	62.3	68.2	68.2	68.2
	60		72.4	72.4	72.4	78.8	78.8	78.8	86.6	86.6	86.6
1050	0		44.0	44.8	45.3	47.5	48.4	49.0	51.6	52.7	53.4
	20		45.1	45.7	46.1	48.5	49.5	50.0	53.1	54.0	54.5
	40		57.4	57.4	57.4	62.4	62.4	62.4	68.3	68.3	68.3
	60		72.4	72.4	72.4	78.9	78.9	78.9	86.7	86.7	86.7
1350	0		44.9	45.6	46.1	48.5	49.4	49.9	52.8	53.8	54.4
	20		45.7	46.1	47.0	49.5	49.9	51.0	53.9	54.4	55.6
	40		57.4	57.4	57.4	62.3	62.3	62.3	68.2	68.2	68.2
	60		72.4	72.4	72.4	78.8	78.8	78.8	86.6	86.6	86.6
1650	0		46.2	46.9	47.3	50.1	50.8	51.3	54.7	55.5	56.1
	20		47.0	47.4	47.7	50.9	51.4	51.9	55.6	56.2	56.7
	40		57.4	57.4	57.4	62.3	62.3	62.3	68.2	68.2	68.2
	60		72.4	72.4	72.4	78.8	78.8	78.8	86.6	86.6	86.6
1950	0		47.7	48.4	48.9	51.9	52.6	53.2	56.9	57.6	58.3
	20		48.3	48.9	49.1	52.6	53.1	53.6	57.7	58.1	58.7
	40		57.4	57.4	57.4	62.3	62.3	62.3	68.2	68.2	68.2
	60		72.4	72.4	72.4	78.8	78.8	78.8	86.6	86.6	86.6

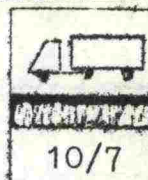
Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä
öljysora



T	V k m	1980			1985			1990		
		0	50	100	0	50	100	0	50	100
150	0	52.7	53.7	54.7	58.0	59.2	60.3	64.4	66.0	67.3
	20	54.2	56.1	57.1	60.9	62.0	63.1	68.0	69.3	70.8
	40	74.8	74.8	74.8	83.5	83.5	83.5	94.1	94.1	94.1
	60	95.5	95.5	95.5	107.0	107.0	107.0	121.0	121.0	121.0
450	0	53.9	54.7	56.1	59.4	62.7	63.8	66.2	67.3	69.4
	20	55.6	56.7	57.5	61.5	62.7	63.8	68.7	70.1	71.6
	40	75.3	75.3	75.3	84.1	84.1	84.1	94.8	94.8	94.8
	60	96.0	96.0	96.0	107.6	107.6	107.6	121.7	121.7	121.7
750	0	55.2	56.2	57.2	61.0	62.2	63.4	68.1	69.6	71.0
	20	56.8	58.0	58.9	62.9	64.0	65.4	70.3	70.8	72.9
	40	75.5	75.5	75.5	84.3	84.3	84.3	95.1	95.1	95.1
	60	96.1	96.1	96.1	107.8	107.8	107.8	122.0	122.0	122.0
1050	0	56.7	57.9	58.9	62.8	64.2	65.4	70.2	71.9	73.1
	20	58.4	59.5	60.2	64.7	66.1	66.9	72.6	74.3	75.2
	40	75.6	75.6	75.6	84.4	84.4	84.4	95.2	95.2	95.2
	60	96.2	96.2	96.2	107.9	107.9	107.9	122.1	122.1	122.1
1350	0	58.1	59.3	60.1	64.3	65.9	68.8	72.3	74.0	75.1
	20	59.4	60.1	61.5	66.0	66.8	68.4	74.1	75.1	77.0
	40	75.5	75.5	75.5	84.3	84.3	84.3	95.1	95.1	95.1
	60	96.1	96.1	96.1	107.8	107.8	107.8	122.0	122.0	122.0
1650	0	60.4	61.3	62.0	67.2	68.3	69.1	75.7	76.9	77.9
	20	61.4	62.1	63.7	68.4	69.2	69.9	77.0	78.0	78.9
	40	75.5	75.5	75.5	84.3	84.3	84.3	95.1	95.1	95.1
	60	96.1	96.1	96.1	107.8	107.8	107.8	122.0	122.0	122.0
1950	0	63.2	63.9	64.9	70.7	71.4	72.6	79.7	80.5	81.2
	20	64.1	64.5	65.3	71.6	72.0	73.0	80.6	81.3	82.0
	40	75.5	75.5	75.5	84.3	84.3	84.3	95.1	95.1	95.1
	60	96.1	96.1	96.1	107.8	107.8	107.8	122.0	122.0	122.0

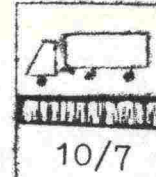
Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä
öljysora



T	V	1995			2000		
		k m	0	50	100	0	50
150	0	72.2	74.1	75.7	81.6	84.0	86.1
	20	76.5	78.0	79.8	86.5	88.5	90.8
	40	106.9	106.9	106.9	123.4	123.4	123.4
	60	137.9	137.9	137.9	159.6	159.6	159.6
450	0	74.3	75.6	78.1	84.2	85.8	88.7
	20	77.3	78.9	80.7	87.8	89.7	91.9
	40	107.7	107.7	107.7	124.4	124.4	124.4
	60	138.7	138.7	138.7	160.5	160.5	160.5
750	0	76.7	78.4	80.1	87.1	89.2	91.3
	20	79.2	81.0	82.9	90.1	92.3	94.6
	40	108.0	108.0	108.0	124.8	124.8	124.8
	60	139.0	139.0	139.0	160.9	160.9	160.9
1050	0	79.3	81.1	82.3	90.3	92.4	93.9
	20	82.0	83.9	85.0	93.4	95.5	97.1
	40	108.1	108.1	108.1	124.9	124.9	124.9
	60	139.1	139.1	139.1	161.0	161.0	161.0
1350	0	81.7	83.7	84.9	93.2	95.7	97.5
	20	83.8	84.9	87.1	96.0	97.7	100.6
	40	108.0	108.0	108.0	124.8	124.8	124.8
	60	139.0	139.0	139.0	160.9	160.9	160.9
1650	0	85.7	87.0	88.2	98.0	99.4	100.9
	20	87.1	88.3	89.5	99.7	101.0	102.5
	40	108.0	108.0	108.0	124.8	124.8	124.8
	60	139.0	139.0	139.0	160.9	160.9	160.9
1950	0	90.3	91.3	92.5	103.4	104.6	106.0
	20	91.3	92.3	93.4	104.6	105.7	107.2
	40	108.0	108.0	108.0	124.8	124.8	124.8
	60	139.0	139.0	139.0	160.9	160.9	160.9

Selitykset:

T = tuntiliikenne (hay)

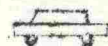
m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km

2-kaistaisilla teillä

öljysora



8/7

T	V k m	1965			1970			1975			1980		
		0	50	100	0	50	100	0	50	100	0	50	100
150	0	14.6	14.7	14.8	15.7	15.8	15.9	17.0	17.1	17.2	18.5	18.7	19.0
	20	14.7	14.8	15.0	15.8	16.0	16.2	17.1	17.3	17.5	18.7	18.9	19.2
	40	15.0	15.1	15.3	16.1	16.2	16.4	17.3	17.5	17.8	18.9	19.2	19.6
	60	15.7	15.8	15.9	16.8	16.9	17.2	18.0	18.2	18.6	19.7	19.9	20.3
450	0	15.0	15.2	15.4	16.2	16.4	16.7	17.6	17.8	18.2	19.3	19.6	19.9
	20	15.2	15.4	15.5	16.5	16.7	16.9	17.9	18.1	18.4	19.6	19.9	20.2
	40	15.4	15.6	15.7	16.6	16.9	17.0	18.0	18.3	18.5	19.8	20.1	20.5
	60	15.9	16.1	16.4	17.2	17.4	17.7	18.6	18.9	19.2	20.4	20.7	21.1
750	0	15.3	15.4	15.6	16.6	16.7	17.0	18.1	18.3	18.6	19.9	20.2	20.6
	20	15.4	15.6	15.8	16.6	16.9	17.2	18.2	18.5	18.8	20.1	20.5	20.9
	40	15.7	15.9	16.2	17.0	17.2	17.6	18.6	18.8	19.2	20.5	20.8	21.3
	60	16.4	16.5	16.9	17.7	17.9	18.3	19.3	19.5	20.0	21.5	21.9	22.3
1050	0	15.7	15.8	16.2	16.5	16.6	16.9	18.6	18.9	19.3	20.6	20.9	21.4
	20	15.9	16.0	16.3	17.3	17.5	17.8	18.9	19.2	19.5	20.9	21.3	21.6
	40	16.2	16.5	16.7	17.7	17.9	18.2	19.3	19.6	20.0	21.3	21.7	22.1
	60	17.0	17.3	17.6	19.3	19.6	19.9	20.2	20.6	20.9	22.3	22.8	23.1
1350	0	16.4	16.6	16.8	17.8	18.1	18.3	19.6	19.9	20.1	21.8	22.1	22.4
	20	16.5	16.7	16.9	17.9	18.2	18.4	19.7	20.1	20.3	22.0	22.4	22.6
	40	16.9	17.1	17.4	19.2	19.3	19.7	20.2	20.4	20.9	22.4	22.8	23.2
	60	17.9	18.1	18.3	20.2	20.4	20.7	21.3	21.6	21.8	23.6	23.9	24.2
1650	0	17.1	17.2	17.4	18.7	18.8	19.1	20.6	20.8	21.1	23.0	23.2	23.6
	20	17.1	17.2	17.4	18.8	19.0	19.2	20.6	20.8	21.1	23.0	23.2	23.6
	40	17.6	17.8	18.1	19.2	19.5	19.8	21.2	21.5	21.8	23.7	23.9	24.4
	60	18.5	18.7	19.0	20.2	20.4	20.7	22.2	22.5	22.8	24.7	25.0	25.4
1950	0	18.0	18.1	18.4	19.7	19.8	20.1	21.7	21.9	22.2	24.2	24.5	24.8
	20	18.2	18.4	18.7	19.8	20.0	20.2	21.7	21.9	22.2	24.3	24.5	24.8
	40	18.4	18.5	18.8	20.1	20.2	20.5	22.1	22.3	22.6	24.7	24.8	25.4
	60	19.2	19.5	19.7	20.9	21.2	21.5	23.0	23.4	23.7	25.6	26.1	26.5

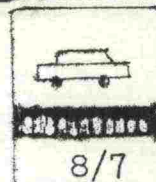
Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä
öljysora



T	V	1985			1990			1995			2000		
		k m	0	50	100	0	50	100	0	50	100	0	50
150	0	20.4	20.7	20.9	22.7	23.1	23.5	25.4	25.9	26.3	28.7	29.2	29.8
	20	20.6	20.9	21.2	22.9	23.4	23.9	25.7	26.3	26.8	29.1	29.8	30.4
	40	20.9	21.2	21.7	23.3	23.7	24.3	26.1	26.6	27.3	29.6	30.3	31.0
	60	21.7	22.0	22.4	24.2	24.6	25.1	27.1	27.7	28.2	30.7	31.4	32.0
450	0	21.4	21.7	22.2	23.7	24.0	24.6	26.4	26.8	27.5	29.9	30.5	31.3
	20	21.7	22.0	22.4	24.0	24.4	24.9	26.8	27.2	27.8	30.4	30.9	31.7
	40	21.9	22.3	22.7	24.3	24.7	25.2	27.0	27.6	28.1	30.9	31.4	32.1
	60	22.5	22.9	23.3	25.0	25.5	26.0	28.0	28.5	29.2	32.0	32.5	33.3
750	0	22.1	22.5	23.0	24.7	25.3	25.9	27.9	28.4	29.1	31.8	32.6	33.5
	20	22.4	22.8	23.3	25.2	25.7	26.2	28.3	28.8	29.6	32.7	33.2	33.8
	40	22.8	23.2	23.6	25.6	26.0	26.6	28.8	29.3	30.0	33.1	33.8	34.5
	60	23.7	24.2	24.7	26.5	27.0	27.7	29.8	30.2	31.1	34.0	34.6	35.6
1050	0	23.0	23.3	23.9	25.9	26.3	27.0	29.3	29.8	30.7	33.7	34.4	35.2
	20	23.4	23.7	24.2	26.3	26.8	27.4	29.8	30.4	31.0	34.4	34.9	35.7
	40	23.8	24.2	24.7	26.8	27.3	27.9	30.3	31.0	31.6	34.9	35.5	36.3
	60	24.8	25.3	25.8	27.9	28.5	29.1	31.6	32.2	32.9	36.3	36.9	37.8
1350	0	24.3	24.8	25.2	27.6	28.1	28.5	31.3	31.9	32.4	36.2	36.8	37.4
	20	24.6	25.1	25.4	27.9	28.4	28.9	31.6	32.3	32.8	36.5	37.2	37.8
	40	25.1	25.6	26.1	28.4	28.9	29.5	32.2	32.8	33.5	37.3	37.9	38.5
	60	26.4	26.7	27.1	29.7	30.2	30.6	33.7	34.2	34.6	38.6	39.3	39.7
1650	0	25.9	26.1	26.5	29.3	29.7	30.1	33.4	33.8	34.3	38.7	39.2	39.5
	20	25.9	26.1	26.5	29.4	29.7	30.1	33.4	33.8	34.3	38.8	39.1	39.8
	40	26.5	26.9	27.3	30.1	30.5	31.0	34.2	34.7	35.2	31.4	40.1	40.7
	60	27.6	28.1	28.4	31.2	31.9	32.2	35.4	36.0	36.5	40.8	41.3	41.9
1950	0	27.5	27.6	27.9	31.3	31.4	31.8	35.8	35.8	36.3	41.5	41.6	41.9
	20	27.5	27.6	27.9	31.3	31.4	31.8	35.8	35.8	36.3	41.5	41.5	42.0
	40	27.8	28.0	28.6	31.6	31.9	32.5	36.1	36.4	37.0	41.7	42.0	42.8
	60	28.7	29.4	29.8	32.6	33.1	33.9	37.2	37.7	38.6	42.9	43.3	44.4

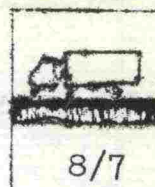
Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä
öljysora



8/7

T	V k m	1965			1970			1975		
		0	50	100	0	50	100	0	50	100
150	0	42.3	42.8	43.5	45.5	46.1	47.0	49.3	49.9	51.0
	20	43.9	44.4	45.0	47.2	47.8	48.6	51.2	52.0	52.9
	40	57.7	57.7	57.7	62.7	62.7	62.7	68.6	68.6	68.6
	60	72.7	72.7	72.7	79.2	79.2	79.2	87.0	87.0	87.0
450	0	42.8	43.4	44.2	46.1	46.8	47.8	50.1	50.9	52.0
	20	44.5	45.1	45.8	48.0	48.7	49.6	52.2	53.1	54.0
	40	58.0	58.0	58.0	63.1	63.1	63.1	69.1	69.1	69.1
	60	73.0	73.0	73.0	79.6	79.6	79.6	87.5	87.5	87.5
750	0	43.7	44.3	45.1	47.2	47.9	48.8	51.4	52.3	53.3
	20	45.4	46.0	46.4	49.1	49.8	50.3	53.6	54.3	54.9
	40	58.0	58.0	58.0	63.1	63.1	63.1	69.1	69.1	69.1
	60	73.0	73.0	73.0	79.6	79.6	79.6	87.5	87.5	87.5
1050	0	44.6	45.2	45.8	48.3	49.0	49.7	52.7	53.6	54.3
	20	46.3	46.7	47.5	50.1	50.6	51.5	54.8	55.3	56.4
	40	58.0	58.0	58.0	63.1	63.1	63.1	69.1	69.1	69.1
	60	73.0	73.0	73.0	79.6	79.6	79.6	87.5	87.5	87.5
1350	0	46.4	46.9	47.4	50.3	50.9	51.5	55.1	55.7	56.4
	20	47.6	48.0	48.6	51.6	52.0	52.7	56.4	56.9	57.7
	40	58.0	58.0	58.0	63.1	63.1	63.1	69.0	69.0	69.0
	60	73.0	73.0	73.0	79.6	79.6	79.6	87.4	87.4	87.4
1650	0	48.5	49.0	49.1	52.7	53.4	53.4	57.9	58.8	58.9
	20	49.7	50.2	50.4	54.1	54.7	54.9	59.4	60.1	60.3
	40	58.0	58.0	58.0	63.1	63.1	63.1	69.0	69.0	69.0
	60	73.0	73.0	73.0	79.6	79.6	79.6	87.4	87.4	87.4
1950	0	51.0	51.6	51.6	55.8	56.7	56.7	61.6	63.6	63.6
	20	52.3	52.9	53.0	57.2	58.2	58.3	62.9	64.3	64.4
	40	58.0	58.0	58.0	63.1	63.1	63.1	69.0	69.0	69.0
	60	73.0	73.0	73.0	79.6	79.6	79.6	87.4	87.4	87.4

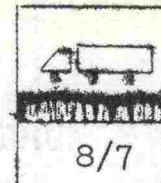
Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä
öljysora



8/7

T	V	1995			2000		
		k	0	50	100	0	50
150	0	74.8	76.1	78.5	84.9	86.6	89.4
	20	78.3	79.8	81.6	88.8	90.7	92.9
	40	108.7	108.7	108.7	125.4	125.4	125.4
	60	139.7	139.7	139.7	161.6	161.6	161.6
450	0	75.8	77.4	79.7	86.1	87.9	90.6
	20	79.6	81.3	83.1	90.2	92.3	94.4
	40	109.1	109.1	109.1	126.0	126.0	126.0
	60	140.1	140.1	140.1	162.0	162.0	162.0
750	0	79.4	81.1	83.0	90.5	92.6	94.6
	20	82.7	84.6	85.6	94.1	96.3	97.6
	40	109.7	109.7	109.7	126.6	126.6	126.6
	60	140.7	140.7	140.7	162.7	162.7	162.7
1050	0	81.8	83.1	84.9	93.2	94.7	96.8
	20	85.4	86.5	88.6	97.1	98.5	100.9
	40	109.6	109.6	109.6	126.5	126.5	126.5
	60	140.6	140.6	140.6	162.6	162.6	162.6
1350	0	86.7	87.8	89.1	99.2	100.5	102.0
	20	88.5	89.7	91.1	101.3	102.7	104.2
	40	109.4	109.4	109.4	126.4	126.4	126.4
	60	140.4	140.4	140.4	162.5	162.5	162.5
1650	0	92.7	94.1	94.2	106.3	107.9	108.1
	20	94.8	96.2	96.4	108.8	110.4	110.6
	40	109.4	109.4	109.4	126.4	126.4	126.4
	60	140.4	140.4	140.4	162.4	162.4	162.4
1950	0	99.9	102.0	102.0	114.9	117.5	117.5
	20	102.4	104.4	104.4	118.0	120.0	120.0
	40	109.4	109.4	109.4	126.4	126.4	126.4
	60	140.4	140.4	140.4	162.4	162.4	162.4

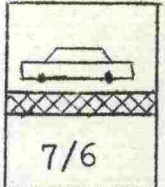
Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä



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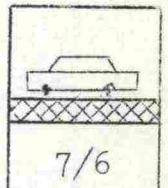
T	V k m	1965			1970			1975			1980		
		0	50	100	0	50	100	0	50	100	0	50	100
150	0	14.8	14.9	15.1	16.0	16.1	16.4	17.4	17.5	17.9	19.1	19.2	19.7
	20	14.9	15.0	15.2	16.2	16.3	16.6	17.6	17.8	18.2	19.3	19.6	20.0
	40	15.3	15.4	15.6	16.5	16.7	17.0	17.9	18.2	18.6	19.7	20.0	20.4
	60	15.9	16.0	16.3	17.1	17.3	17.6	18.5	18.8	19.1	20.4	20.7	21.1
450	0	15.3	15.4	15.5	16.6	16.8	16.9	18.0	18.3	18.4	19.9	20.2	20.4
	20	15.5	15.6	15.7	16.8	17.0	17.1	18.3	18.5	18.6	20.2	20.5	20.6
	40	15.7	15.9	16.1	17.1	17.3	17.5	18.6	18.9	19.1	20.2	20.9	21.1
	60	16.2	16.4	16.7	17.6	17.8	18.1	19.2	19.4	19.7	21.1	21.4	21.8
750	0	15.7	15.9	16.1	17.1	17.4	17.6	18.6	19.0	19.3	20.6	21.0	21.5
	20	15.9	16.2	16.5	17.4	17.7	18.1	19.0	19.4	19.8	21.1	21.5	22.0
	40	16.3	16.6	16.9	17.8	18.1	18.5	19.4	19.8	20.3	21.5	21.9	22.4
	60	17.1	17.2	17.6	20.0	18.8	19.2	20.3	20.6	21.0	23.8	22.8	23.3
1050	0	16.2	16.5	16.7	17.8	18.1	18.3	19.5	19.8	20.1	21.9	22.1	22.4
	20	16.4	16.7	17.0	18.0	18.3	18.7	19.8	20.1	20.5	22.0	22.4	22.8
	40	17.0	17.3	17.4	18.6	19.0	19.1	20.4	20.8	21.0	22.7	23.1	23.4
	60	17.7	18.1	18.2	19.3	19.8	19.9	21.1	21.6	21.8	23.4	24.0	24.2
1350	0	17.0	17.1	17.3	18.8	18.9	19.1	20.7	20.8	21.1	23.0	23.2	23.5
	20	17.1	17.3	17.5	18.9	19.1	19.3	20.8	21.0	21.2	23.1	23.4	23.6
	40	17.6	17.7	17.9	19.4	19.6	19.8	21.3	21.6	21.8	23.7	24.0	24.3
	60	18.4	18.7	19.1	20.2	20.6	20.9	22.2	22.6	22.9	24.6	25.1	25.4
1650	0	17.8	18.1	18.1	19.8	20.1	20.1	21.9	22.2	22.2	24.5	24.9	24.9
	20	18.0	18.3	18.4	20.0	20.3	20.4	22.1	22.4	22.5	24.7	25.1	25.2
	40	18.4	18.6	18.7	20.3	20.6	20.7	22.4	22.7	22.8	25.0	25.4	21.5
	60	19.4	19.5	19.6	21.4	21.5	21.6	23.5	23.6	23.8	26.2	26.3	26.6

Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä

T	V k m	1985			1990			1995			2000		
		0	50	100	0	50	100	0	50	100	0	50	100
150	0	21.2	21.4	21.9	23.7	24.0	24.6	26.7	27.1	27.8	30.5	31.1	31.7
	20	21.4	21.7	22.1	24.0	24.4	24.9	27.1	27.6	28.2	30.8	31.6	32.1
	40	21.8	22.2	22.6	24.4	24.9	25.3	27.5	28.1	28.6	31.2	32.0	32.6
	60	22.6	22.9	23.4	25.3	25.7	26.3	28.5	29.0	29.7	32.5	33.3	34.0
450	0	22.1	22.5	22.8	24.8	25.3	25.6	28.0	28.6	29.0	32.0	32.5	33.1
	20	22.5	22.8	23.0	25.2	25.6	25.9	28.5	29.0	29.3	32.5	33.1	33.9
	40	22.8	23.2	23.5	25.6	26.0	26.6	28.9	29.4	30.2	33.1	33.7	34.4
	60	23.4	23.8	24.3	26.2	26.8	25.5	29.6	30.4	31.2	33.8	34.4	35.4
750	0	23.0	23.5	24.0	26.0	26.6	26.1	19.6	30.3	30.9	34.0	34.8	35.4
	20	23.6	24.0	24.7	26.6	27.0	27.8	30.2	30.7	31.5	34.5	35.2	36.2
	40	24.0	24.5	24.9	27.0	25.6	28.2	30.7	31.3	32.1	35.2	35.9	36.0
	60	25.1	25.4	26.0	28.1	28.5	29.2	31.8	32.3	33.0	36.3	37.1	37.7
1050	0	24.3	24.8	25.2	27.5	28.0	28.5	31.4	32.0	32.6	36.2	36.8	37.5
	20	24.7	25.1	25.6	27.9	28.3	28.8	31.8	32.3	32.8	36.8	37.4	38.0
	40	25.5	25.9	26.2	28.7	29.2	29.6	32.6	33.2	33.8	37.7	38.4	38.8
	60	26.2	26.9	27.1	29.5	30.2	30.6	33.6	34.3	34.8	38.5	39.6	40.0
1350	0	25.9	26.2	26.5	29.5	29.8	30.2	33.8	34.1	34.6	38.9	39.4	39.8
	20	26.0	26.4	26.6	29.6	30.0	30.3	33.9	34.3	34.7	39.2	39.8	40.0
	40	26.7	27.0	27.3	30.3	30.7	31.0	34.6	35.1	35.5	39.9	40.5	41.1
	60	27.6	28.1	28.5	31.3	31.8	32.8	35.7	36.3	37.8	41.0	41.6	42.3
1650	0	27.7	28.1	28.1	31.8	32.2	32.5	36.3	36.7	37.1	42.2	42.7	42.8
	20	27.9	28.4	28.4	32.2	32.5	32.7	36.8	37.2	37.5	42.4	42.8	43.1
	40	28.2	28.7	28.7	32.4	32.8	33.0	37.4	37.9	37.9	42.8	43.2	43.4
	60	29.4	29.5	29.9	33.7	33.9	34.2	38.9	39.2	39.5	44.2	44.6	45.1

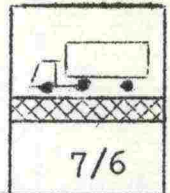
Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä



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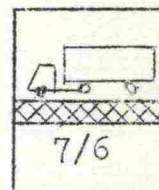
T	V k m	1965			1970			1975		
		0	50	100	0	50	100	0	50	100
150	0	42.5	43.1	43.9	45.8	46.5	47.6	49.8	50.6	51.7
	20	44.2	44.7	45.4	47.7	48.4	49.2	51.9	52.7	53.6
	40	58.0	58.0	58.0	63.1	63.1	63.1	69.1	69.1	69.1
	60	73.0	73.0	73.0	79.6	79.6	79.6	87.5	87.5	87.5
450	0	43.3	43.8	44.5	46.7	47.3	48.2	50.9	51.6	52.6
	20	44.8	45.3	46.0	48.4	49.0	49.8	52.7	53.5	54.4
	40	58.3	58.3	58.3	63.4	63.4	63.4	69.5	69.5	69.5
	60	73.3	73.3	73.3	79.9	79.9	79.9	87.9	87.9	87.9
750	0	44.4	45.2	45.8	48.0	48.9	49.7	52.3	53.5	54.4
	20	45.9	46.7	47.1	49.7	50.6	51.1	54.4	55.4	56.0
	40	58.4	58.4	58.4	63.5	63.5	63.5	69.6	69.6	69.6
	60	73.4	73.4	73.4	80.0	80.0	80.0	88.0	88.0	88.0
1050	0	45.7	46.1	46.9	49.7	50.0	51.0	54.3	54.8	55.9
	20	46.8	47.7	48.1	50.9	51.9	52.4	55.8	56.9	57.5
	40	58.3	58.3	58.3	63.4	63.4	63.4	69.5	69.5	69.5
	60	73.3	73.3	73.3	79.9	79.9	79.9	87.9	87.9	87.9
1350	0	47.9	48.4	49.0	52.2	52.7	53.5	57.5	58.0	58.9
	20	48.9	49.4	49.9	53.2	53.9	54.5	58.5	59.3	60.0
	40	58.2	58.2	58.2	63.3	63.3	63.3	69.4	69.4	69.4
	60	73.2	73.2	73.2	79.8	79.8	79.8	87.8	87.8	87.8
1650	0	50.4	50.5	51.2	55.4	55.5	56.3	61.3	61.5	62.3
	20	50.8	51.0	51.6	56.0	56.1	56.9	62.2	62.2	63.1
	40	58.8	58.8	58.8	63.0	63.0	63.0	70.2	70.2	70.2
	60	73.2	73.2	73.2	79.8	79.8	79.8	87.8	87.8	87.8

Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä

T	V k m	1980			1985			1990		
		0	50	100	0	50	100	0	50	100
150	0	54.8	55.7	57.1	60.4	61.5	63.2	67.5	68.8	70.8
	20	57.2	58.2	59.2	63.2	64.3	65.5	70.8	72.1	73.6
	40	76.8	76.8	76.8	85.5	85.5	85.5	96.5	96.5	96.5
	60	97.6	97.6	97.6	109.0	109.0	109.0	123.4	123.4	123.4
450	0	56.1	57.0	58.1	62.0	63.2	64.4	69.4	70.8	71.3
	20	57.6	58.6	60.3	63.3	64.4	66.9	71.5	72.9	75.2
	40	77.3	77.3	77.3	86.1	86.1	86.1	97.2	97.2	97.2
	60	98.1	98.1	98.1	109.6	109.6	109.6	124.1	124.1	124.1
750	0	58.0	59.1	60.3	64.3	65.6	67.0	72.2	73.8	75.4
	20	60.2	61.4	62.1	66.8	68.3	69.0	74.8	76.9	77.8
	40	77.4	77.4	77.4	86.2	86.2	86.2	97.3	97.3	97.3
	60	98.2	98.2	98.2	109.7	109.7	109.7	124.2	124.2	124.2
1050	0	60.2	60.8	62.1	66.9	67.7	69.2	75.2	76.2	77.9
	20	61.9	63.2	64.0	68.8	70.4	71.2	77.5	79.4	80.4
	40	77.3	77.3	77.3	86.1	86.1	86.1	97.2	97.2	97.2
	60	98.1	98.1	98.1	109.6	109.6	109.6	124.1	124.1	124.1
1350	0	64.2	64.5	65.7	71.8	72.0	73.4	80.9	81.7	83.1
	20	65.1	66.6	67.4	72.7	73.8	74.8	82.3	83.5	84.7
	40	77.2	77.2	77.2	85.9	85.9	85.9	97.0	97.0	97.0
	60	97.9	97.9	97.9	109.4	109.4	109.4	123.9	123.9	123.9
1650	0	68.4	68.6	69.5	76.4	76.6	77.7	86.7	86.9	88.3
	20	69.0	69.1	70.1	76.8	77.0	78.1	87.1	87.2	88.6
	40	78.2	78.2	78.2	87.1	87.1	87.1	98.5	98.5	98.5
	60	97.9	97.9	97.9	109.4	109.4	109.4	123.9	123.9	123.9

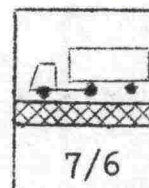
Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä



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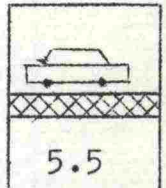
T	V k m	1995			2000		
		0	50	100	0	50	100
150	0	76.1	77.7	80.0	86.5	88.4	91.0
	20	79.9	81.5	83.3	91.0	93.0	95.0
	40	109.7	109.7	109.7	126.9	126.9	126.9
	60	140.7	140.7	140.7	163.0	163.0	163.0
450	0	78.4	80.0	81.8	89.3	91.2	93.2
	20	81.4	83.1	85.1	92.8	94.9	97.3
	40	110.5	110.5	110.5	127.8	127.8	127.8
	60	141.5	141.5	141.5	163.9	163.9	163.9
750	0	81.8	83.7	85.6	93.4	95.7	97.9
	20	84.5	87.2	88.3	96.6	99.5	100.7
	40	110.7	110.7	110.7	128.0	128.0	128.0
	60	141.7	141.7	141.7	164.1	164.1	164.1
1050	0	85.4	86.5	88.6	97.7	98.9	101.4
	20	88.0	90.2	91.4	100.7	103.4	104.7
	40	110.5	110.5	110.5	127.8	127.8	127.8
	60	141.5	141.5	141.5	163.9	163.9	163.9
1350	0	92.0	93.3	94.8	104.5	106.9	109.0
	20	93.8	95.2	96.6	107.6	109.2	111.0
	40	110.3	110.3	110.3	127.6	127.6	127.6
	60	141.3	141.3	141.3	163.6	163.6	163.6
1650	0	99.0	99.2	101.0	114.0	114.2	115.1
	20	99.5	99.5	101.4	114.4	114.7	115.5
	40	112.1	112.1	112.1	129.5	129.5	129.5
	60	141.3	141.3	141.3	163.6	163.6	163.6

Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä

T	V k m	1965			1970			1975			1980		
		0	50	100	0	50	100	0	50	100	0	50	100
150	0	15.4	15.4	15.5	16.7	16.8	17.0	18.2	18.4	18.6	20.1	20.4	20.7
	20	15.6	15.7	15.9	16.9	17.1	17.3	18.4	18.7	18.9	20.4	20.7	21.2
	40	15.9	16.1	16.3	17.3	17.5	17.8	18.9	19.2	19.5	20.9	21.2	21.6
	60	16.3	16.6	16.9	17.7	18.0	18.4	19.4	19.7	20.1	21.4	21.8	22.3
450	0	15.9	16.2	16.4	17.4	17.7	17.9	19.1	19.4	19.7	21.2	21.6	22.0
	20	16.1	16.3	16.5	17.6	17.9	18.1	19.4	19.7	19.9	21.6	22.0	22.2
	40	16.6	16.7	16.9	18.1	18.3	18.5	19.9	20.1	20.3	22.1	22.4	22.6
	60	17.2	17.3	17.7	18.7	18.9	19.8	20.5	20.7	21.2	22.8	23.0	23.6
750	0	16.5	16.8	16.9	18.1	18.4	18.6	19.9	20.3	20.5	22.5	22.6	22.9
	20	16.9	17.0	17.3	18.5	18.7	19.0	20.4	20.6	21.0	22.7	23.0	23.4
	40	17.3	17.5	17.8	18.9	19.2	19.5	20.8	21.1	21.4	23.2	23.5	23.9
	60	17.9	18.2	18.6	19.6	19.9	20.4	21.5	21.9	22.4	24.0	24.4	25.0
1050	0	17.4	17.6	17.7	19.2	19.5	19.6	21.3	21.6	21.7	23.8	24.1	24.3
	20	17.4	17.6	17.8	19.2	19.5	19.7	21.3	21.6	21.8	23.8	24.1	24.4
	40	17.9	18.2	18.3	19.8	20.1	20.2	21.9	22.2	22.4	24.4	24.8	25.0
	60	18.8	19.1	19.4	20.7	21.1	21.4	22.9	23.3	23.6	25.5	26.0	26.3
1350	0	18.9	19.0	19.0	21.1	21.2	21.2	23.5	23.6	23.6	26.4	26.5	26.5
	20	19.1	19.2	19.2	21.3	21.4	21.4	23.7	23.8	23.8	26.6	26.7	26.7
	40	19.6	19.7	19.7	21.8	21.9	21.9	24.2	24.3	24.3	27.1	27.2	27.2
	60	20.3	20.4	20.4	22.5	22.6	22.6	24.9	25.0	25.0	27.8	27.9	27.9

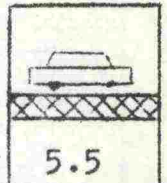
Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä



T	V k m	1985			1990			1995			2000		
		0	50	100	0	50	100	0	50	100	0	50	100
150	0	22.4	22.7	23.1	25.2	25.6	26.1	28.5	29.0	29.5	32.4	33.0	33.5
	20	22.7	23.0	23.4	25.6	26.0	26.5	28.9	29.4	30.0	32.9	33.4	34.1
	40	23.2	23.6	24.0	26.1	26.6	27.1	29.5	30.0	30.6	33.5	34.0	34.7
	60	23.7	24.2	24.8	26.7	27.2	27.9	30.1	30.8	31.6	34.1	34.8	36.0
450	0	23.7	24.2	24.6	26.8	27.4	27.9	30.4	31.1	31.8	34.9	35.5	36.4
	20	24.2	24.6	24.9	27.3	27.8	28.3	31.0	31.6	32.2	35.5	36.2	36.7
	40	24.7	25.0	25.3	27.9	28.3	28.7	31.6	32.2	32.6	34.0	36.8	37.3
	60	25.4	25.7	26.3	28.6	29.0	29.7	32.4	32.9	33.7	36.9	37.7	38.5
750	0	24.9	25.4	25.7	28.2	28.7	29.2	32.2	32.7	33.3	36.9	37.5	38.2
	20	25.5	25.8	26.3	28.9	29.3	29.9	32.9	33.5	34.1	37.8	38.4	39.0
	40	26.0	26.4	26.8	29.4	29.9	30.4	33.5	34.1	34.7	38.3	38.8	39.5
	60	26.9	27.4	28.0	30.4	31.0	31.7	34.5	35.2	36.0	39.5	40.2	41.1
1050	0	26.8	27.1	27.4	30.5	30.9	31.2	35.0	35.5	25.8	40.4	41.0	41.4
	20	26.8	27.1	27.5	30.5	30.9	31.3	35.0	35.5	35.9	40.4	41.0	41.4
	40	27.4	27.9	28.1	31.2	31.7	32.0	35.8	36.3	36.7	41.4	41.8	42.2
	60	28.6	29.1	29.5	32.5	33.1	33.5	37.2	37.8	38.3	43.0	43.3	43.8
1350	0	29.9	30.0	30.0	34.2	34.3	34.3	39.5	39.6	39.6	45.8	45.8	45.9
	20	30.1	30.2	30.2	34.4	34.5	34.5	39.7	39.8	39.8	45.9	45.9	46.0
	40	30.6	30.7	30.7	34.9	35.0	35.0	40.2	40.3	40.3	46.5	46.6	46.7
	60	31.3	31.4	31.4	35.6	35.7	35.7	40.9	41.0	41.0	47.2	47.3	47.5

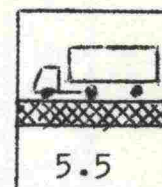
Selitykset:

T = tuntiliikenne (hay)

m = mäkiisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä



T	V k m	1965			1970			1975		
		0	50	100	0	50	100	0	50	100
150	0	43.4	43.8	44.3	47.1	47.4	48.1	51.5	51.7	52.5
	20	44.7	45.2	45.8	48.4	49.0	49.7	52.7	53.5	54.3
	40	58.5	58.5	58.5	63.6	63.6	63.6	69.8	69.8	69.8
	60	73.5	73.5	73.5	80.1	80.1	80.1	88.2	88.2	88.2
450	0	44.1	44.6	45.2	47.8	48.4	49.1	52.1	52.8	53.7
	20	45.4	46.1	46.7	49.3	50.1	50.8	53.8	54.7	55.6
	40	59.0	59.0	59.0	64.2	64.2	64.2	70.5	70.5	70.5
	60	74.0	74.0	74.0	80.7	80.7	80.7	88.9	88.9	88.9
750	0	45.5	46.0	46.4	49.4	50.1	50.5	54.1	54.9	55.4
	20	46.6	47.0	47.9	50.7	60.1	61.2	55.5	56.0	57.2
	40	59.0	59.0	59.0	64.2	64.2	64.2	70.5	70.5	70.5
	60	74.0	74.0	74.0	80.7	80.7	80.7	88.9	88.9	88.9
1050	0	47.7	48.1	48.6	52.1	52.6	53.1	57.3	58.0	58.5
	20	48.7	49.3	49.8	53.2	53.8	54.5	58.6	59.2	60.0
	40	58.8	58.8	58.8	64.0	64.0	64.0	70.3	70.3	70.3
	60	73.8	73.8	73.8	80.5	80.5	80.5	88.7	88.7	88.7
1350	0	52.3	52.3	52.4	57.6	57.6	57.7	63.8	63.8	63.9
	20	53.0	53.0	53.1	58.3	58.3	58.4	64.5	64.5	64.6
	40	59.9	59.9	59.9	65.4	65.4	65.4	72.0	72.0	72.0
	60	73.8	73.8	73.8	80.5	80.5	80.5	88.7	88.7	88.7

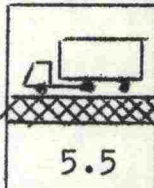
Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä



T	V m	1980			1985			1990		
		k 0	50	100	0	50	100	0	50	100
150	0	56.4	57.0	57.7	62.3	63.3	64.4	69.8	71.1	72.4
	20	58.1	59.0	60.1	64.5	65.5	66.9	72.3	73.7	75.3
	40	77.3	77.3	77.3	86.5	86.5	86.5	97.7	97.7	97.7
	60	98.0	98.0	98.0	110.0	110.0	110.0	124.7	124.7	124.7
450	0	57.0	58.3	59.3	63.0	64.9	66.0	71.6	72.8	74.3
	20	59.3	60.4	61.5	66.0	67.2	68.6	74.1	75.6	77.3
	40	78.2	78.2	78.2	87.5	87.5	87.5	98.9	98.9	98.9
	60	98.9	98.9	98.9	111.0	111.0	111.0	125.9	125.9	125.9
750	0	59.7	60.7	61.4	66.6	67.9	68.7	74.9	76.5	77.4
	20	61.3	62.8	63.9	68.5	69.9	70.9	77.1	78.3	79.9
	40	78.2	78.2	78.2	87.5	87.5	87.5	98.9	98.9	98.9
	60	98.9	98.9	98.9	111.0	111.0	111.0	125.9	125.9	125.9
1050	0	63.5	64.3	65.0	71.2	72.2	73.0	80.5	81.7	82.7
	20	64.9	65.7	66.6	72.8	73.7	74.8	82.3	83.4	84.7
	40	77.9	77.9	77.9	87.1	87.1	87.1	98.4	98.4	98.4
	60	98.6	98.6	98.6	110.6	110.6	110.6	125.4	125.4	125.4
	0	71.4	71.4	71.5	80.6	80.6	80.7	91.9	91.9	92.0
	20	72.1	72.1	72.2	81.3	81.3	81.4	92.6	92.6	92.7
	40	79.0	79.0	79.0	89.6	89.6	89.6	101.5	101.5	101.5
	60	98.6	98.6	98.6	110.6	110.6	110.6	125.4	125.4	125.4

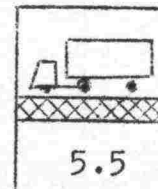
Selitykset :

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä



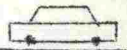
T	V k m	1995			2000		
		0	50	100	0	50	100
150	0	78.9	80.4	82.0	89.9	91.7	93.6
	20	81.7	83.4	85.3	93.0	95.1	97.2
	40	111.1	111.1	111.1	128.6	128.6	128.6
	60	142.1	142.1	142.1	164.6	164.6	164.6
450	0	81.0	82.5	84.3	91.7	93.6	95.7
	20	84.0	85.8	87.7	94.8	96.8	98.3
	40	112.5	112.5	112.5	130.2	130.2	130.2
	60	143.5	143.5	143.5	166.2	166.2	166.2
750	0	85.2	87.0	88.1	97.6	100.0	101.4
	20	87.6	88.7	90.9	100.5	101.7	105.2
	40	112.5	112.5	112.5	130.2	130.2	130.2
	60	143.5	143.5	143.5	166.2	166.2	166.2
1050	0	92.0	93.3	94.6	105.6	107.1	108.9
	20	93.9	95.3	96.7	100.5	101.7	105.3
	40	112.0	112.0	112.0	129.7	129.7	129.7
	60	143.0	143.0	143.0	165.7	165.7	165.7
1350	0	105.5	105.5	105.6	121.7	121.7	121.9
	20	106.2	106.2	106.3	122.5	122.5	122.7
	40	115.6	115.6	115.6	134.0	134.0	134.0
	60	143.0	143.0	143.0	165.7	165.7	165.7

Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä

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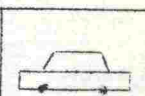
T	V k m	1965			1970			1975			1980		
		0	50	100	0	50	100	0	50	100	0	50	100
150	0	15.0	15.1	15.2	16.2	16.4	16.5	17.6	17.8	17.9	19.3	19.6	19.7
	20	15.1	15.3	15.5	16.3	16.6	16.8	17.7	18.0	18.2	19.5	19.8	20.1
	40	15.5	15.7	15.9	16.7	17.0	17.3	18.0	18.5	18.8	19.9	20.3	20.7
	60	16.1	16.3	16.6	17.4	17.7	18.0	18.9	19.2	19.6	20.8	21.1	21.6
450	0	15.4	15.5	15.7	16.7	16.9	17.1	18.2	18.4	18.7	20.1	20.3	20.7
	20	15.6	15.7	15.9	17.0	17.1	17.4	18.5	18.7	19.0	20.4	20.7	21.0
	40	16.0	16.2	16.4	17.4	17.5	17.8	18.9	19.2	19.4	20.9	21.2	21.5
	60	16.7	16.9	17.2	18.1	18.4	18.7	19.7	20.0	20.4	21.7	22.0	22.5
750	0	15.8	16.0	16.2	17.2	17.4	17.7	18.8	19.1	19.4	20.8	21.2	21.5
	20	16.0	16.2	16.4	17.4	17.6	17.9	19.1	19.3	19.7	21.1	21.4	21.8
	40	16.5	16.7	16.9	18.0	18.2	18.8	19.7	19.9	20.9	21.8	22.0	22.7
	60	17.2	17.5	17.8	18.7	19.0	19.3	20.4	20.7	21.1	22.5	22.9	23.4
1050	0	16.2	16.4	16.6	17.7	17.9	18.1	19.4	19.6	19.8	21.6	21.8	22.0
	20	16.4	16.6	16.8	17.9	18.1	18.3	19.6	19.9	20.1	21.8	22.1	22.4
	40	17.0	17.2	17.4	18.5	18.7	19.0	20.3	20.6	20.8	22.5	22.9	23.2
	60	17.8	18.1	18.3	19.3	19.7	19.9	21.1	21.5	21.8	23.4	23.8	24.2
1350	0	16.8	17.0	17.1	18.3	18.5	18.6	20.1	20.3	20.5	22.4	22.6	22.8
	20	17.1	17.2	17.3	18.6	18.7	18.9	20.4	20.6	20.8	22.7	22.9	23.1
	40	17.6	17.7	17.9	19.1	19.3	19.5	21.0	21.2	21.5	23.3	23.5	23.9
	60	18.4	18.6	18.8	20.0	20.2	20.4	21.9	22.1	22.4	24.2	24.5	24.9
1650	0	17.4	17.6	17.7	19.0	19.2	19.4	20.9	21.1	21.4	23.3	23.6	23.9
	20	17.5	17.7	17.8	19.1	19.3	19.5	21.0	21.3	21.5	23.4	23.7	24.0
	40	18.1	18.3	18.5	19.7	19.9	20.2	21.7	21.9	22.2	24.1	24.4	24.7
	60	18.9	19.2	19.4	20.6	20.9	21.1	22.6	22.9	23.2	25.1	25.4	25.8

Selitykset:

T = tuntiliikenne (hay)

m = mäkyisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
 2-kaistaisilla teillä


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T	V k m	1985			1990			1995			2000		
		0	50	100	0	50	100	0	50	100	0	50	100
150	0	21.4	21.7	21.9	24.0	24.3	24.6	27.0	27.4	27.8	30.6	31.0	31.5
	20	21.6	22.0	22.3	24.2	24.7	25.1	27.3	27.9	28.4	30.9	31.6	32.2
	40	22.1	22.5	22.9	24.8	25.3	25.8	27.9	28.5	29.1	31.6	32.3	33.0
	60	23.0	23.3	23.9	25.7	26.1	26.8	28.9	29.4	30.2	32.7	33.3	34.2
450	0	22.4	22.6	23.1	25.0	25.2	25.8	28.0	28.3	28.9	32.0	32.4	33.0
	20	22.7	23.0	23.4	25.3	25.7	26.1	28.4	28.8	29.3	32.5	32.9	33.5
	40	23.2	23.5	23.9	26.0	26.4	27.0	29.2	29.7	30.5	33.4	33.9	34.8
	60	24.1	24.4	25.0	26.8	27.3	28.0	29.9	30.7	31.5	34.2	35.0	35.9
750	0	23.2	23.6	24.0	26.1	26.5	26.9	29.4	29.8	30.3	33.6	34.0	34.6
	20	23.5	23.9	24.3	26.5	26.9	27.4	29.9	30.3	31.0	34.2	34.6	35.4
	40	24.2	24.5	24.9	27.2	27.6	28.1	30.7	31.2	31.8	35.1	35.7	36.4
	60	25.0	25.5	26.0	28.2	28.7	29.2	31.9	32.3	32.9	36.4	36.9	37.7
1050	0	24.2	24.4	24.6	27.2	27.4	27.8	30.8	31.0	31.6	35.3	35.5	36.2
	20	24.3	24.7	25.0	27.5	27.9	28.3	31.2	31.6	32.1	35.8	36.2	36.8
	40	25.1	25.5	26.0	28.3	28.7	29.2	32.0	32.5	33.0	36.7	37.2	37.8
	60	26.0	26.5	26.9	29.2	29.8	30.3	33.0	33.6	34.4	37.8	38.5	39.3
1350	0	25.2	25.4	25.6	24.5	28.7	29.0	32.3	32.6	32.9	37.2	37.5	37.9
	20	25.5	25.7	25.9	28.8	29.1	29.4	32.7	33.0	33.4	37.6	38.0	38.4
	40	26.1	26.3	26.8	29.5	29.8	30.3	33.4	33.8	34.3	38.4	38.9	39.4
	60	27.0	27.4	27.8	30.5	30.9	31.4	34.5	35.0	35.6	39.6	40.2	40.8
1650	0	26.2	26.5	26.8	29.7	30.0	30.3	33.7	34.0	34.4	38.8	39.2	39.7
	20	26.3	26.6	26.9	29.8	30.1	30.5	33.8	34.2	34.7	39.0	39.4	40.1
	40	27.0	27.3	27.7	30.6	30.9	31.4	34.7	35.1	35.6	40.0	40.5	41.1
	60	28.0	28.4	28.8	31.6	32.1	32.6	35.8	36.3	36.9	41.2	41.8	42.5

Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
 2-kaistaisilla teillä


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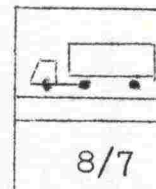
T	V k m	1980			1985			1990		
		0	50	100	0	50	100	0	50	100
150	0	56.4	57.4	57.9	62.3	63.6	64.3	70.0	71.3	72.1
	20	58.4	58.9	59.5	64.8	65.3	66.1	72.6	73.3	74.8
	40	76.9	76.9	76.9	86.0	86.0	86.0	96.7	96.7	96.7
	60	98.0	98.0	98.0	109.7	109.7	109.7	124.0	124.0	124.0
450	0	57.5	58.0	59.0	63.7	64.3	65.5	71.1	71.9	73.4
	20	59.6	60.4	60.9	66.3	67.1	67.8	73.8	75.1	76.0
	40	77.5	77.5	77.5	86.7	86.7	86.7	97.5	97.5	97.5
	60	98.6	98.6	98.6	110.4	110.4	110.4	124.8	124.8	124.8
750	0	58.5	59.5	60.1	65.0	66.2	66.9	72.9	74.4	75.1
	20	60.1	61.3	61.3	66.8	68.2	68.2	75.0	76.7	76.7
	40	77.5	77.5	77.5	86.7	86.7	86.7	97.5	97.5	97.5
	60	98.6	98.6	98.6	110.4	110.4	110.4	124.8	124.8	124.8
1050	0	59.5	60.7	60.7	66.2	67.7	67.7	74.3	76.1	76.1
	20	61.2	61.7	63.2	68.2	68.9	70.6	76.6	77.5	79.0
	40	77.5	77.5	77.5	86.7	86.7	86.7	97.5	97.5	97.5
	60	98.6	98.6	98.6	110.4	110.4	110.4	124.8	124.8	124.8
1350	0	61.9	62.6	62.6	69.0	69.9	69.9	77.7	78.7	78.7
	20	63.2	63.2	64.1	70.5	70.5	71.5	79.3	79.3	80.5
	40	77.4	77.4	77.4	86.6	86.6	86.6	97.3	97.3	97.3
	60	98.5	98.5	98.5	110.3	110.3	110.3	124.6	124.6	124.6
1650	0	64.9	65.8	65.8	72.6	73.7	73.7	82.0	83.3	83.3
	20	66.4	67.3	67.3	74.3	75.3	75.3	83.8	85.0	85.0
	40	77.4	77.4	77.4	86.6	86.6	86.6	97.3	97.3	97.3
	60	98.5	98.5	98.5	110.3	110.3	110.3	124.6	124.6	124.6

Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä

T	V m	1995			2000		
		k 0	50	100	0	50	100
150	0	78.9	80.5	81.4	89.9	90.8	91.9
	20	81.9	82.8	84.0	93.2	94.4	95.9
	40	109.9	109.9	109.9	126.8	126.8	126.8
	60	141.1	141.1	141.1	163.2	163.2	163.2
450	0	80.0	80.9	82.7	91.2	92.4	94.5
	20	82.7	84.6	85.6	94.3	96.5	97.8
	40	110.9	110.9	110.9	128.0	128.0	128.0
	60	142.1	142.1	142.1	164.4	164.4	164.4
750	0	82.4	84.2	85.2	94.0	96.0	97.3
	20	84.8	86.8	86.8	96.7	99.1	99.2
	40	110.9	110.9	110.9	128.0	128.0	128.0
	60	142.1	142.1	142.1	164.4	164.4	164.4
1050	0	84.1	86.2	86.2	96.2	98.7	98.7
	20	86.7	87.8	90.1	99.3	100.8	103.5
	40	110.8	110.8	110.8	127.9	127.9	127.9
	60	142.0	142.0	142.0	164.3	164.3	164.3
1350	0	88.1	89.3	89.3	101.4	102.6	102.6
	20	89.9	89.9	91.3	103.2	103.2	104.6
	40	110.6	110.6	110.6	127.7	127.7	127.7
	60	141.8	141.8	141.8	164.1	164.1	164.1
1650	0	93.2	94.7	94.7	106.9	108.7	108.7
	20	95.3	96.7	96.7	109.3	111.0	111.1
	40	110.6	110.6	110.6	127.7	127.7	127.7
	60	141.8	141.8	141.8	164.1	164.1	164.1

Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä



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T	V k m	1965			1970			1975			1980		
		0	50	100	0	50	100	0	50	100	0	50	100
150	0	15.2	15.3	15.5	16.6	16.7	16.9	18.1	18.2	18.5	20.0	20.1	20.5
	20	15.4	15.5	15.7	16.8	19.9	17.1	18.3	18.5	18.7	20.2	20.5	20.8
	40	15.9	16.1	16.3	17.4	17.5	17.8	18.9	19.1	19.5	20.9	21.1	21.6
	60	16.6	16.9	17.2	18.0	18.4	18.7	19.6	20.0	20.4	21.6	22.0	22.5
450	0	15.7	15.8	16.0	17.1	17.3	17.5	18.7	18.9	19.2	21.3	21.0	21.3
	20	15.9	16.0	16.2	17.3	17.5	17.7	18.9	19.1	19.4	21.0	21.2	21.5
	40	16.4	16.6	16.7	17.9	18.1	18.3	19.5	19.8	20.0	21.6	21.9	22.2
	60	17.2	17.4	17.6	18.7	19.0	19.2	20.4	20.7	20.9	22.5	22.9	23.2
750	0	16.2	16.4	16.7	17.7	18.0	18.3	19.4	19.7	20.1	21.7	21.9	22.3
	20	16.5	16.6	16.9	18.1	18.2	18.6	19.8	20.0	20.4	22.0	22.2	22.6
	40	17.0	17.2	17.4	18.7	18.9	19.2	20.6	20.8	21.1	22.8	23.0	23.4
	60	17.9	18.1	18.3	19.6	19.9	20.1	21.4	21.8	22.0	23.7	24.1	24.4
1050	0	16.7	16.8	17.1	18.3	18.4	18.8	20.1	20.2	20.6	22.4	22.5	23.0
	20	16.9	17.1	17.2	18.5	18.8	18.9	20.3	20.6	20.8	22.6	22.9	23.2
	40	17.5	17.7	17.9	19.2	19.4	19.6	21.0	21.2	21.5	23.3	23.6	24.0
	60	18.6	18.7	18.9	20.3	20.5	20.7	22.2	22.4	22.6	24.6	24.8	25.1
1350	0	17.4	17.4	17.6	19.2	19.2	19.4	21.1	21.1	21.4	23.5	23.5	23.8
	20	17.6	17.6	17.7	19.4	19.4	19.6	21.3	21.3	21.6	23.7	23.7	24.0
	40	18.2	18.4	18.6	20.0	20.2	20.4	22.0	22.1	22.4	24.4	24.6	25.0
	60	19.2	19.5	19.6	21.0	21.4	21.4	22.9	23.4	23.3	25.5	25.9	26.0
1650	0	18.3	18.5	18.6	20.3	20.5	20.6	22.4	22.7	22.7	25.0	25.4	25.4
	20	18.5	18.7	18.7	20.5	20.7	20.7	22.6	22.8	22.8	25.2	25.5	25.5
	40	18.9	19.1	19.1	20.9	21.1	21.1	23.0	23.1	23.1	25.6	25.9	25.9
	60	20.1	20.1	20.1	22.1	22.1	22.3	24.2	24.2	24.5	26.9	26.9	27.3

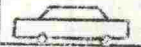
Selitykset:

T = tuntiliikenne (hay)

m = mäkisyyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä



7/6

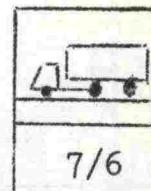
T	V m	1985			1990			1995			2000		
		0	50	100	0	50	100	0	50	100	0	50	100
150	0	22.2	22.4	22.9	24.9	25.2	25.8	28.2	28.6	29.3	32.3	32.8	33.6
	20	22.5	22.8	23.3	25.3	25.7	26.3	28.7	29.2	29.8	32.9	33.5	34.2
	40	23.2	23.5	24.0	26.0	26.4	27.0	29.4	29.9	30.6	33.7	34.3	35.0
	60	24.0	24.4	25.0	26.9	27.4	28.2	30.4	31.0	31.9	34.8	35.5	36.4
450	0	23.2	23.5	23.8	26.1	26.5	26.9	29.5	30.1	30.6	34.1	34.9	35.5
	20	23.4	23.7	24.0	26.4	26.9	27.2	30.0	30.6	31.0	34.7	35.5	35.9
	40	24.1	24.4	24.8	27.1	27.5	28.0	30.7	31.2	31.7	35.4	36.1	36.6
	60	25.0	25.5	25.9	28.1	28.7	29.1	31.8	32.4	32.9	36.6	37.2	37.7
750	0	24.4	24.5	25.0	27.5	27.7	28.2	31.2	31.6	32.1	35.8	36.2	36.8
	20	24.6	24.8	25.3	27.8	28.1	28.6	31.6	32.0	32.5	36.2	36.8	37.3
	40	25.5	25.7	26.2	28.6	28.9	29.4	32.4	32.8	33.3	37.1	37.6	38.2
	60	26.4	26.9	27.3	29.5	30.1	30.6	33.3	33.9	34.5	38.0	38.8	39.6
1050	0	25.1	25.3	25.9	28.4	29.0	29.3	32.4	32.9	33.5	37.3	37.9	38.6
	20	25.4	25.6	26.1	28.7	29.1	29.6	32.8	33.4	33.9	38.0	38.5	39.1
	40	26.1	26.5	26.8	29.5	29.9	30.3	33.6	34.1	34.5	38.9	39.3	39.8
	60	27.5	27.7	28.1	31.0	31.1	31.7	35.2	35.3	36.0	40.4	40.6	41.3
1350	0	26.5	26.5	26.8	30.3	30.5	30.8	34.8	35.2	35.6	40.2	40.7	41.1
	20	26.6	26.6	26.9	30.7	30.8	31.0	35.5	35.7	35.9	41.0	41.2	41.5
	40	27.4	27.7	28.1	31.3	31.7	31.9	36.0	36.4	36.4	41.6	42.0	42.1
	60	28.6	29.0	29.3	32.3	33.0	33.2	36.8	37.7	37.8	42.5	43.4	43.6
1650	0	28.2	28.6	28.6	32.3	32.8	32.8	37.9	38.4	38.5	43.9	44.4	44.5
	20	28.4	28.7	28.7	32.5	32.9	33.0	38.0	38.6	38.7	44.0	44.6	44.7
	40	28.8	29.1	29.1	32.8	33.4	33.7	38.4	39.1	39.4	44.4	45.1	45.4
	60	30.1	30.1	30.6	33.9	34.0	34.5	39.6	39.7	40.4	45.5	45.6	46.3

Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
 2-kaistaisilla teillä


T	V k m	1965			1970			1975		
		0	50	100	0	50	100	0	50	100
150	0	44.2	44.4	45.0	47.8	48.1	48.8	52.0	52.4	53.2
	20	45.6	46.2	46.6	49.3	50.1	50.5	53.6	54.6	55.1
	40	59.2	59.2	59.2	64.3	64.3	64.3	70.3	70.3	70.3
	60	74.4	74.4	74.4	81.0	81.0	81.0	88.9	88.9	88.9
450	0	44.7	45.0	45.6	48.4	48.7	49.5	52.8	53.1	54.1
	20	46.2	46.5	47.2	50.0	50.4	51.2	54.5	55.0	55.9
	40	59.5	59.5	59.5	64.6	64.6	64.6	70.7	70.7	70.7
	60	74.7	74.7	74.7	81.3	81.3	81.3	89.3	89.3	89.3
750	0	45.7	46.1	46.5	49.5	50.0	50.4	54.2	54.7	55.2
	20	47.0	47.7	48.1	50.8	51.7	52.1	55.4	56.6	57.1
	40	59.6	59.6	59.6	64.7	64.7	64.7	70.8	70.8	70.8
	60	74.8	74.8	74.8	81.4	81.4	81.4	89.4	89.4	89.4
1050	0	46.8	47.2	47.6	50.8	51.3	51.8	55.7	56.2	56.8
	20	48.0	48.5	48.9	52.1	52.7	53.2	57.0	57.7	58.3
	40	59.5	59.5	59.5	64.6	64.6	64.6	70.7	70.7	70.7
	60	74.7	74.7	74.7	81.3	81.3	81.3	89.3	89.3	89.3
1350	0	48.4	48.9	49.4	52.7	53.3	53.9	57.9	58.6	59.3
	20	49.9	50.4	50.9	54.3	54.9	55.5	59.6	60.3	61.0
	40	59.4	59.4	59.4	64.5	64.5	64.5	70.6	70.6	70.6
	60	74.6	74.6	74.6	81.2	81.2	81.2	89.2	89.2	89.2
1650	0	51.4	51.4	52.0	56.2	56.2	56.9	61.9	61.9	62.7
	20	52.2	52.2	52.9	57.0	57.0	57.8	62.7	62.7	63.6
	40	60.0	60.0	60.0	65.2	65.2	65.2	71.4	71.4	71.4
	60	74.6	74.6	74.6	81.2	81.2	81.2	89.2	89.2	89.2

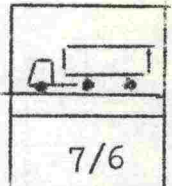
Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä



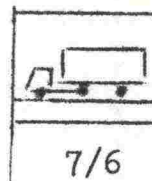
T	V k m	1980			1985			1990		
		0	50	100	0	50	100	0	50	100
150	0	57.2	57.7	58.6	63.4	64.0	65.1	71.1	71.8	73.3
	20	59.0	60.2	60.8	65.5	66.8	67.5	73.4	75.0	75.9
	40	77.7	77.7	77.7	86.7	86.7	86.7	97.7	97.7	97.7
	60	98.6	98.6	98.6	110.4	110.4	110.4	124.8	124.8	124.8
450	0	58.1	58.5	59.6	64.6	65.2	66.5	72.5	73.2	74.8
	20	60.0	60.6	61.8	66.6	67.4	68.8	74.8	75.7	77.4
	40	78.2	78.2	78.2	87.3	87.3	87.3	98.4	98.4	98.4
	60	99.1	99.1	99.1	111.0	111.0	111.0	125.5	125.5	125.5
750	0	59.8	60.4	61.0	66.6	67.3	68.1	74.9	75.8	76.7
	20	61.2	62.5	63.1	68.2	69.6	70.3	76.7	78.4	79.3
	40	78.3	78.3	78.3	87.4	87.4	87.4	98.5	98.5	98.5
	60	99.2	99.2	99.2	111.1	111.1	111.1	125.6	125.6	125.6
1050	0	61.8	62.4	63.1	68.7	69.4	70.3	77.4	78.2	79.3
	20	63.2	64.0	64.8	70.2	71.2	72.0	79.0	80.2	81.2
	40	78.2	78.2	78.2	87.3	87.3	87.3	98.4	98.4	98.4
	60	99.1	99.1	99.1	111.0	111.0	111.0	125.5	125.5	125.5
1350	0	64.2	65.0	65.9	71.9	72.8	73.8	81.2	82.3	83.5
	20	66.0	66.9	67.7	73.8	74.8	75.8	83.3	84.5	85.7
	40	78.0	78.0	78.0	87.1	87.1	87.1	98.2	98.2	98.2
	60	98.9	98.9	98.9	110.8	110.8	110.8	125.3	125.3	125.3
1650	0	68.9	68.9	69.9	77.3	77.3	78.5	87.7	87.7	89.1
	20	69.7	69.7	70.8	78.1	78.1	79.4	88.5	88.5	90.0
	40	79.0	79.0	79.0	88.3	88.3	88.3	99.7	99.7	99.7
	60	98.9	98.9	98.9	110.8	110.8	110.8	125.3	125.3	125.3

Selitykset:

T = tuntiliikenne (hay)

m = mäkisyyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
 2-kaistaisilla teillä


7/6

T	V k m	1995			2000		
		0	50	100	0	50	100
150	0	80.3	81.2	82.9	91.6	92.8	94.8
	20	82.9	84.8	85.8	94.5	96.7	98.0
	50	110.9	110.9	110.9	128.0	128.0	128.0
	60	142.1	142.1	142.1	164.4	164.4	164.4
450	0	82.0	82.8	84.7	93.6	94.7	96.9
	20	84.6	85.6	87.6	96.5	97.8	100.0
	40	111.7	111.7	111.7	128.9	128.9	128.9
	60	142.9	142.9	142.9	165.3	165.3	165.3
750	0	84.9	85.9	87.0	97.2	98.4	99.8
	20	86.8	88.9	89.9	99.2	101.8	103.1
	40	111.9	111.9	111.9	129.1	129.1	129.1
	60	143.1	143.1	143.1	165.6	165.6	165.6
1050	0	87.9	88.9	90.1	100.3	101.7	103.1
	20	89.7	91.0	92.2	102.5	104.1	105.7
	40	111.7	111.7	111.7	128.9	128.9	128.9
	60	142.9	142.9	142.9	165.6	165.6	165.6
1350	0	92.5	93.8	95.2	106.2	107.8	109.4
	20	94.8	96.2	97.6	108.8	110.6	112.1
	40	111.5	111.5	111.5	128.7	128.7	128.7
	60	142.7	142.7	142.7	165.4	165.4	165.4
	0	100.1	111.1	100.8	115.3	115.3	117.2
	20	100.9	100.9	102.7	116.2	116.2	118.2
	40	113.3	113.3	113.3	130.6	130.6	130.6
	60	142.7	142.7	142.7	165.4	165.4	165.4

Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä



5.5

T	V k m	1965			1970			1975			1980		
		0	50	100	0	50	100	0	50	100	0	50	100
150	0	15.7	16.0	16.2	17.1	17.5	17.7	18.8	19.2	19.5	20.9	21.4	21.7
	20	16.1	16.3	16.5	17.5	17.8	18.0	19.2	19.5	19.8	21.3	21.7	22.0
	40	16.6	16.8	17.0	18.1	18.3	18.6	19.8	20.1	20.4	22.0	22.3	22.7
	60	17.3	17.5	17.7	18.8	19.0	19.3	20.6	20.8	21.1	22.8	23.1	23.5
450	0	16.4	16.6	16.8	18.0	18.2	18.5	19.8	20.1	20.4	22.1	22.5	22.9
	20	16.8	17.0	17.2	18.4	18.6	18.9	20.3	20.5	20.9	22.6	22.8	23.3
	40	17.3	17.5	17.7	19.0	19.1	19.3	20.9	21.0	21.2	23.2	23.4	23.7
	60	17.9	18.1	18.3	19.6	19.7	20.0	21.5	21.6	22.0	23.9	24.1	24.5
750	0	17.1	17.2	17.3	18.8	18.9	19.0	20.7	20.9	21.0	23.1	23.3	23.5
	20	17.4	17.5	17.7	19.1	19.2	19.4	21.1	21.2	21.4	23.5	23.7	24.0
	40	18.0	18.1	18.2	19.7	19.9	20.0	21.7	21.8	22.0	24.2	24.3	24.5
	60	18.7	18.9	19.2	20.5	20.7	21.1	22.5	22.7	23.2	25.0	25.3	25.8
1050	0	17.8	17.9	18.0	19.7	19.8	19.9	21.8	21.9	22.0	24.4	24.6	24.6
	20	18.0	18.1	18.2	19.9	19.9	20.0	22.0	22.0	22.1	24.5	24.7	24.8
	40	18.6	18.7	18.8	20.5	20.6	20.7	22.6	22.7	22.9	25.2	25.4	25.6
	60	19.6	19.8	20.0	21.6	21.8	22.0	23.8	24.0	24.3	26.5	26.7	27.1
1350	0	19.5	19.5	19.5	21.7	21.7	21.7	24.1	24.1	24.1	27.0	27.0	27.0
	20	19.8	19.8	19.8	22.0	22.0	22.0	24.4	24.4	24.4	27.3	27.3	27.3
	40	20.3	20.3	20.3	30.5	30.5	30.5	24.9	24.9	24.9	27.8	27.8	27.8
	60	21.0	21.0	21.0	31.2	31.2	31.2	25.6	25.6	25.6	28.5	28.5	28.5

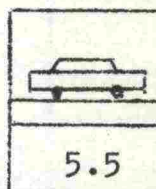
Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä



T	V k m	1985			1990			1995			2000		
		0	50	100	0	50	100	0	50	100	0	50	100
150	0	23.3	23.9	24.2	26.4	27.1	27.5	29.9	30.7	31.2	34.3	35.2	35.8
	20	23.7	24.2	24.6	26.9	27.4	27.9	30.5	31.1	31.6	35.0	35.7	36.2
	40	24.5	24.8	25.3	27.7	28.1	28.6	31.3	31.8	32.4	35.8	36.4	37.1
	60	25.3	25.7	26.2	28.5	29.0	29.5	32.3	32.8	33.4	36.9	37.5	38.3
450	0	24.7	25.1	25.6	28.1	28.6	29.1	32.0	32.6	33.1	36.7	37.4	38.0
	20	25.2	25.5	25.9	28.6	29.0	29.4	32.6	33.0	33.5	37.4	37.9	38.5
	40	25.8	26.2	26.5	29.3	29.7	30.1	33.3	33.7	34.3	38.2	38.7	39.4
	60	26.7	26.8	27.3	30.2	30.4	30.9	34.3	34.5	35.1	39.3	39.6	40.3
750	0	26.0	26.2	26.4	29.6	29.9	30.1	33.9	34.2	34.5	39.1	39.4	39.8
	20	26.4	26.6	26.9	30.0	30.2	30.6	34.2	34.5	34.9	39.4	39.8	40.2
	40	27.1	27.3	27.5	30.6	31.0	31.2	35.0	35.3	35.6	40.3	40.6	41.0
	60	28.0	28.4	28.9	31.7	32.0	32.5	36.0	36.3	36.8	41.4	41.7	42.3
1050	0	27.4	27.7	27.7	31.2	31.5	31.5	35.7	36.1	36.1	41.2	41.8	41.8
	20	27.5	27.8	27.9	31.3	31.6	31.7	35.9	36.2	36.2	41.5	41.9	42.0
	40	28.3	28.5	28.7	32.1	32.3	32.6	36.7	36.9	37.2	42.4	42.7	43.1
	60	29.6	29.9	30.3	33.6	34.0	34.4	38.3	38.9	39.3	44.2	44.9	45.4
1350	0	30.5	30.5	30.5	34.8	34.8	34.8	40.1	40.1	40.1	46.7	46.7	46.7
	20	30.8	30.8	30.8	35.1	35.1	35.1	40.4	40.4	40.4	47.0	47.0	47.0
	40	31.3	31.3	31.3	35.6	35.6	35.6	40.9	40.9	40.9	47.5	47.5	47.5
	60	32.0	32.0	32.0	36.3	36.3	36.3	41.6	41.6	41.6	48.2	48.2	48.2

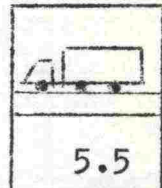
Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä



T	V m	1965			1970			1975		
		0	50	100	0	50	100	0	50	100
150	0	44.6	44.9	45.5	48.4	48.7	49.5	52.8	53.1	54.1
	20	46.2	46.4	47.2	50.1	50.4	51.3	54.6	55.0	56.0
	40	59.7	59.7	59.7	64.8	64.8	64.8	71.0	71.0	71.0
	60	74.9	74.9	74.9	81.5	81.5	81.5	89.6	89.6	89.6
450	0	45.5	45.8	46.0	49.3	49.8	50.1	53.8	54.4	54.8
	20	46.9	47.3	47.7	51.0	51.4	51.9	55.7	56.2	56.7
	40	60.2	60.2	60.2	65.4	65.4	65.4	71.7	71.7	71.7
	60	75.4	75.4	75.4	82.1	82.1	82.1	90.3	90.3	90.3
750	0	46.4	46.8	47.2	50.5	50.9	51.4	55.3	55.8	56.4
	20	47.7	48.1	48.9	51.8	52.3	53.2	56.7	57.3	58.4
	40	60.2	60.2	60.1	65.4	65.4	65.4	71.7	71.7	71.7
	60	75.4	75.4	75.4	82.1	82.1	82.1	90.3	90.3	90.3
1050	0	48.2	48.7	49.2	52.6	53.2	53.8	57.9	58.5	59.2
	20	49.7	50.3	50.8	54.2	54.9	55.5	59.5	60.3	61.0
	40	60.0	60.0	60.0	65.2	65.2	65.2	71.5	71.5	71.5
	60	75.2	75.2	75.2	81.9	81.9	81.9	90.1	90.1	90.1
1350	0	53.7	53.7	53.7	59.0	59.0	59.0	65.2	65.2	65.2
	20	54.6	54.6	54.6	59.9	59.9	59.9	66.1	66.1	66.1
	40	61.1	61.1	61.1	66.6	66.6	66.6	73.2	73.2	73.2
	60	75.2	75.2	75.2	81.9	81.9	81.9	90.1	90.1	90.1

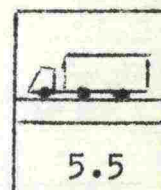
Selitykset:

T = tuntiliikenne (hay)

m = mäkiisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
2-kaistaisilla teillä



5.5

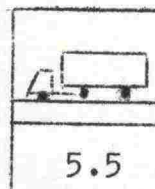
T	V	k m	1980			1985			1990		
			0	50	100	0	50	100	0	50	100
150	0		58.2	58.7	59.8	64.7	65.3	66.6	72.7	73.4	75.0
	20		60.2	60.7	62.0	66.8	67.5	69.0	75.1	75.9	77.7
	40		78.5	78.5	78.5	87.7	87.7	87.7	98.9	98.9	98.9
	60		99.4	99.4	99.4	111.4	111.4	111.4	126.1	126.1	126.1
450	0		59.5	60.1	60.6	66.3	66.9	67.6	74.5	75.3	76.1
	20		61.5	62.1	62.8	68.5	69.2	70.0	77.0	77.9	78.8
	40		79.4	79.4	79.4	88.7	88.7	88.7	100.1	100.1	100.1
	60		100.3	100.3	100.3	112.4	112.4	112.4	127.3	127.3	127.3
750	0		61.1	61.8	62.4	68.3	69.1	69.8	76.9	77.8	78.6
	20		62.7	63.3	64.7	70.0	70.7	72.3	78.7	79.6	81.5
	40		79.4	79.4	79.4	88.7	88.7	88.7	100.1	100.1	100.1
	60		100.3	100.3	100.3	112.4	112.4	112.4	127.3	127.3	127.3
1050	0		64.1	64.9	65.7	71.9	72.8	73.7	81.2	82.3	83.4
	20		65.9	66.8	67.6	73.8	74.8	75.8	83.3	84.5	85.7
	40		79.1	79.1	79.1	88.3	88.3	88.3	99.6	99.6	99.6
	60		100.0	100.0	100.0	112.0	112.0	112.0	126.8	126.8	126.8
1350	0		72.8	72.8	72.8	82.0	82.0	82.0	93.3	93.3	93.3
	20		73.7	73.7	73.7	82.9	82.9	82.9	94.2	94.2	94.2
	40		81.2	81.2	81.2	90.8	90.8	90.8	102.7	102.7	102.7
	60		100.0	100.0	100.0	112.0	112.0	112.0	126.8	126.8	126.8

Selitykset:

T = tuntiliikenne (hay)

m = mäkisyys

k = kaarteisuus

AJOKUSTANNUKSET p/km
 2-kaistaisilla teillä


5.5

T	V m	1995			2000		
		0	50	100	0	50	100
150	0	82.3	83.1	85.0	94.0	95.0	97.2
	20	85.0	85.9	88.0	97.2	98.3	100.7
	40	112.3	112.3	112.3	129.7	129.7	129.7
	60	143.5	143.5	143.4	166.1	166.1	166.1
450	0	84.5	85.5	86.4	96.6	97.8	99.0
	20	87.3	88.3	89.4	99.8	101.0	102.3
	40	113.7	113.7	113.7	131.3	131.3	131.3
	60	144.9	144.9	144.9	167.7	167.7	167.7
750	0	87.4	88.5	89.6	100.2	101.5	102.7
	20	89.4	90.5	92.7	102.6	103.9	106.3
	40	113.7	113.7	113.7	131.3	131.3	131.3
	60	144.9	144.9	144.9	167.7	167.7	167.7
1050	0	92.6	93.9	95.2	106.4	107.9	109.4
	20	94.9	96.3	97.7	109.1	110.7	112.3
	40	113.2	113.2	113.2	130.7	130.7	130.7
	60	144.4	144.4	144.4	167.1	167.1	167.1
1350	0	106.9	106.9	106.9	123.3	123.3	123.3
	20	107.8	107.8	107.8	124.3	124.3	124.3
	40	116.8	116.8	116.8	135.1	135.1	135.1
	60	144.4	144.4	144.1	167.1	167.1	167.1

Selitykset:

T = tuntiliikenne (hay)

m = Mäkisyys

k = kaarteisuus