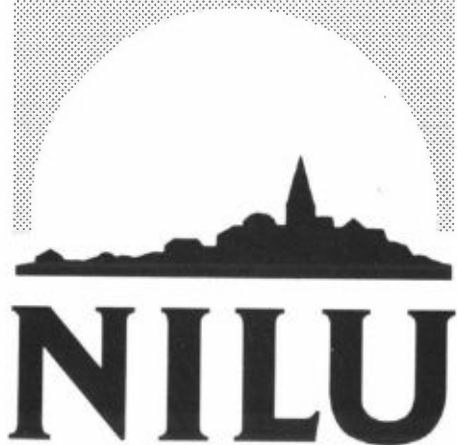


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Appendices

Programme documentation ROADAIR Version 3.11 (NILU TR 21/96)

**Tone Bekkestad, Charlotte Torp,
Dag Tønnesen and Steinar Larssen**



Norsk institutt for luftforskning
Norwegian Institute for Air Research
Postboks 100 - N-2007 Kjeller - Norway

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Summary

ROADAIR is a model for calculation of air pollution from road traffic. The model can be utilized for road networks containing street canyons and highways ("open roads"). Larger crossroads/intersections can also be treated in a simplified way. Calculations of emissions of CO, CO₂ and NO_x (NO+NO₂) are performed. The emission factors for CO and NO_x (g/km) are dependent on vehicle class, speed and road gradient. The fuel consumption, used to estimate CO₂-emissions, is dependent on vehicle class and speed. Concentrations of CO, NO₂ and PM₁₀^f are also calculated. The model focus on the components for which there exists air quality criteria and which are often exceeded as a result of emissions from traffic, and components which contribute to a large fraction of the total emissions in Norway.

This report presents all the Appendices referred to in Programme Documentation Report (NILU TR 21/96).

The first few Appendices describe the emission factors both for CO and NO_x for the years 1989, 1993, 1998, 2003 and 2008.

The background material utilized when estimating emission factors for the five years are presented in tables. The corresponding graphical output and linear interpolation for the years in-between is also shown. The numbers are given both for gasoline and diesel vehicles.

The remaining Appendices describe:

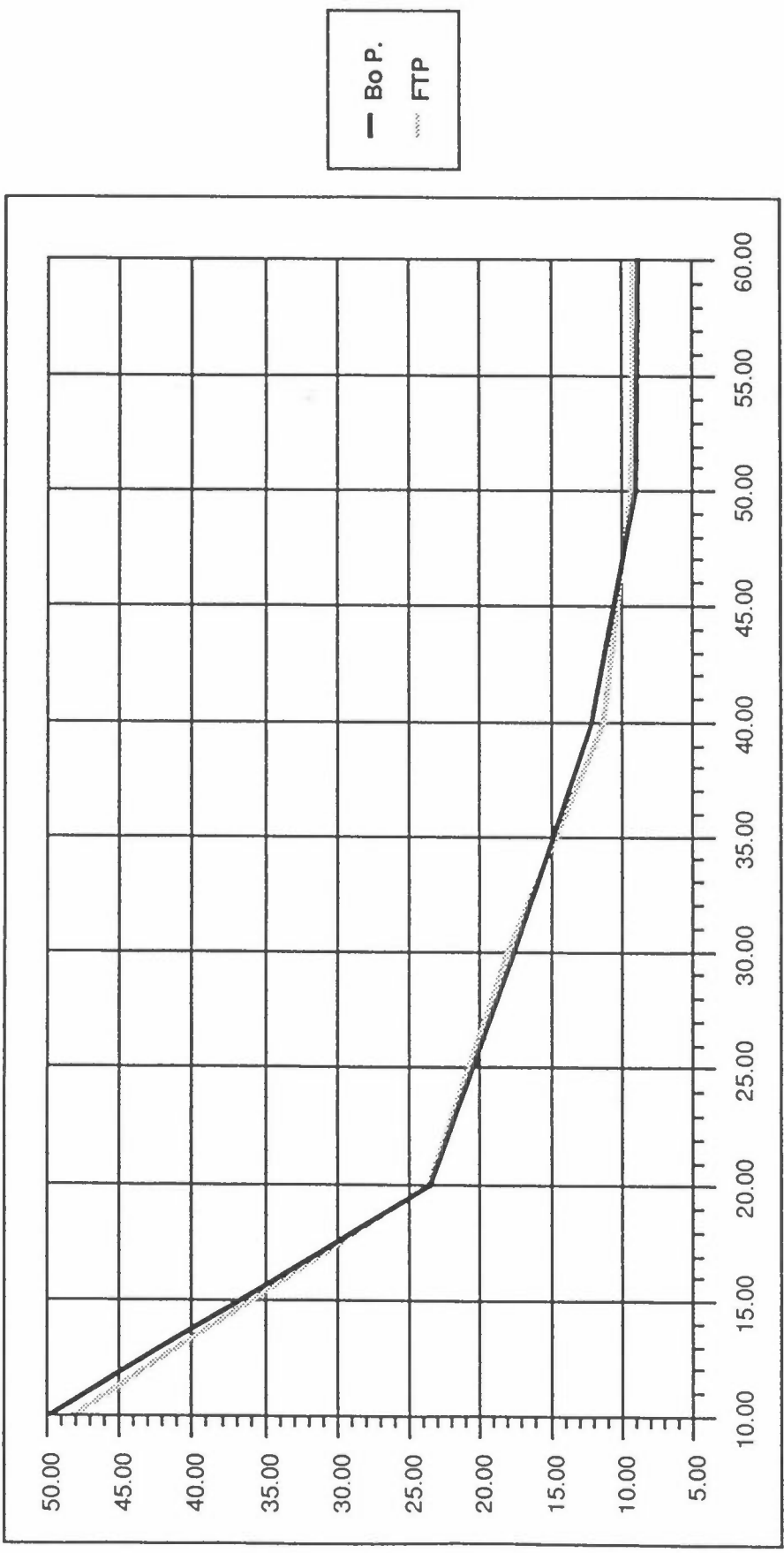
- Conversion of emission factors for CO and NO_x for heavy duty vehicles (g/kg fuel to g/km).
- Distribution of traffic work for vehicles of different age distribution, depending on the rate of renewal.
- Development of exhaust emission regulations, and the resulting effects on emissions.
- Effect of cold start on emissions of CO and NO_x for light duty gasoline- and diesel vehicles.
- Fuel consumption for the year 1993, 1998, 2003, 2008

Appendix A:

Emission factors for CO and NO_x based on measurements from AB Svensk Bilproving

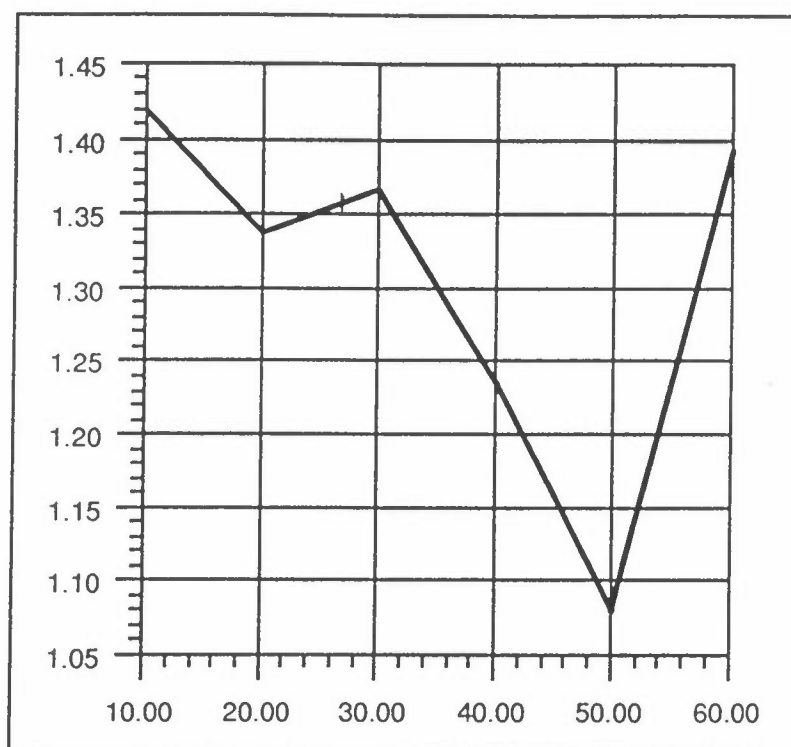
DRIVING PATTERN Bo Persson				DRIVING PATTERN FTP			
Speed	Acc./Ret. (m/s ²)			Speed	Acc./Ret. (m/s ²)		
	-0.9--0.3	-0.3-0.3	0.3-0.9		-0.9--0.3	-0.3-0.3	0.3-0.9
0-15	17.00	54.00	29.00	0-15	13.00	70.00	17.00
15-30	29.00	33.00	38.00	15-30	35.00	20.00	45.00
30-45	35.00	36.00	29.00	30-45	15.00	69.00	16.00
45-60	38.00	46.00	16.00	45-60	6.00	89.00	6.00
Measurements from AB Svensk Bilprovning							
CO A10-cars							
V	Acc./Ret. (m/s ²)			V	Bo P. FTP		
	-0.60	0.00	0.60		Bo P.	FTP	FTP
10.00	21.00	48.00	70.00	10.00	49.79	48.23	
20.00	9.00	22.00	36.00	20.00	23.55	23.75	
30.00	7.00	15.00	28.00	30.00	17.62	18.05	
40.00	6.00	10.00	22.00	40.00	12.08	11.32	
50.00	6.00	9.00	16.00	50.00	8.98	9.33	
60.00	7.00	9.00	12.00	60.00	8.72	9.15	

CO A10-cars



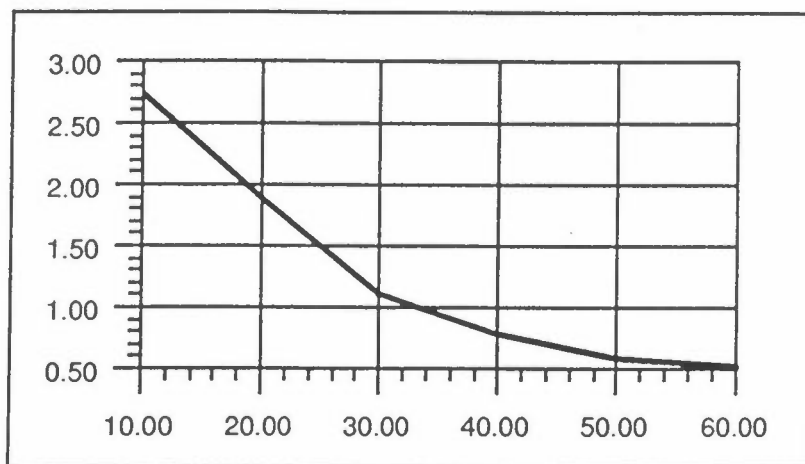
— Bo P.
..... FTP

NOx A10-cars		Bo Persson - driving pattern			
V	Acc./Ret. (m/s ²)				
	-0.60	0.00	0.60		
10.00	0.40	1.00	2.80		1.42
20.00	0.15	0.70	2.80		1.34
30.00	0.10	0.60	3.00		1.37
40.00	0.10	0.60	3.40		1.24
50.00	0.15	0.80	4.10		1.08
60.00	0.18	1.00	5.40		1.39

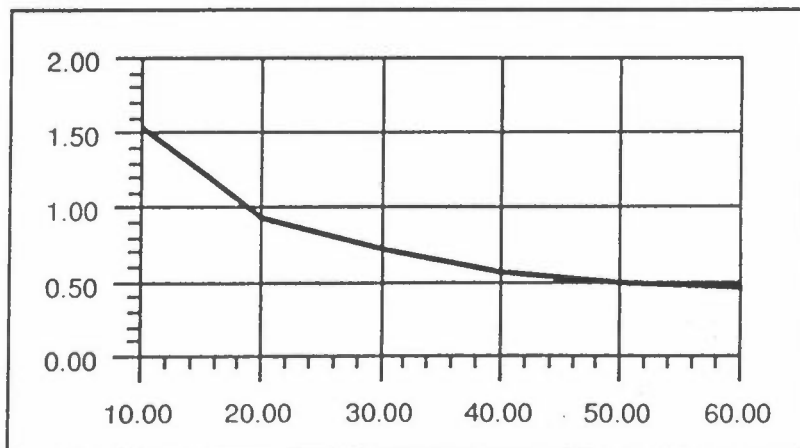
NO_x A10-cars

CO Diesel L1		(Bo Persson)			
	Acc./Ret. (m/s ²)				
V	-0.60	0.00	0.60		
10.00	1.60	2.30	4.20		2.73
20.00	0.75	2.30	2.40		1.89
30.00	0.50	1.20	1.50		1.11
40.00	0.40	0.90	1.10		0.78
50.00	0.30	0.70	1.00		0.60
60.00	0.25	0.60	1.00		0.53
NOx Diesel L1					
	Acc./Ret. (m/s ²)				
V	-0.60	0.00	0.60		
10.00	0.70	1.40	2.30		1.54
20.00	0.12	1.15	1.40		0.95
30.00	0.08	0.85	1.10		0.72
40.00	0.08	0.70	1.00		0.57
50.00	0.10	0.60	1.10		0.49
60.00	0.12	0.50	1.20		0.47

CO Diesel L1

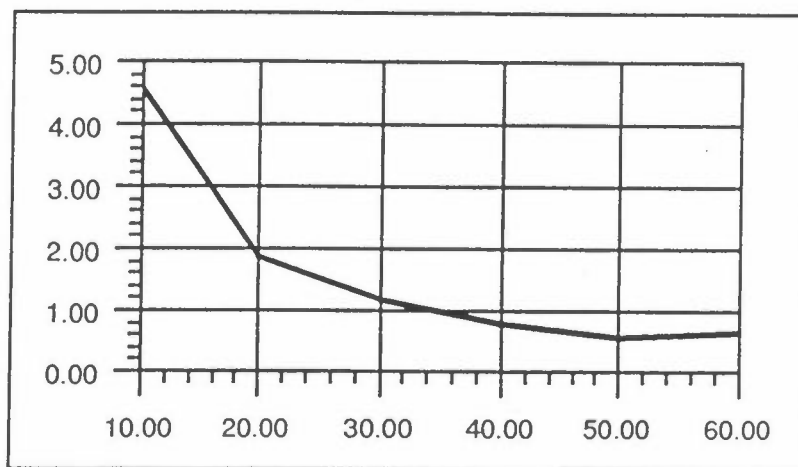


NOx Diesel L1

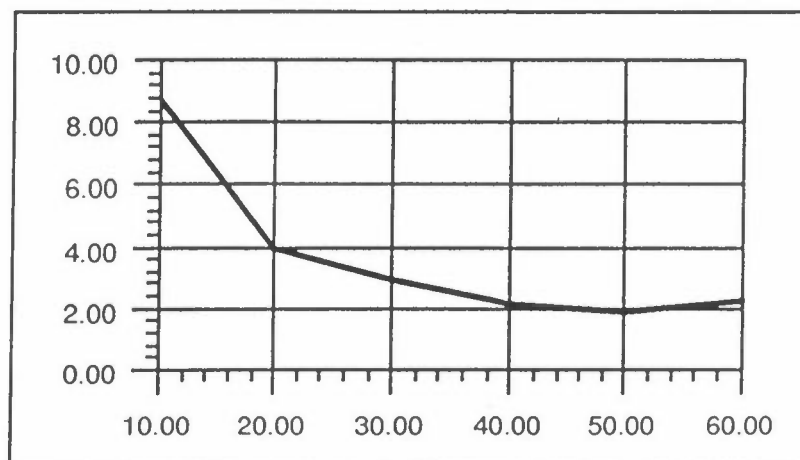


CO TA 4 tonnes		Bo Persson			
		Acc./Ret. (m/s ²)			
V		-0.60	0.00	0.60	
10.00			6.30	4.00	4.56
20.00			3.10	2.20	1.86
30.00			1.80	1.50	1.16
40.00			1.10	1.30	0.77
50.00			0.70	1.50	0.56
60.00			0.60	2.30	0.64
NOx TA 4 tonnes		Bo Persson			
		Acc./Ret. (m/s ²)			
V		-0.60	0.00	0.60	
10.00			8.00	15.00	8.67
20.00			4.00	7.00	3.98
30.00			3.00	5.00	2.89
40.00			2.00	5.00	2.17
50.00			2.00	6.00	1.88
60.00			2.00	8.00	2.20

CO TA 4 tonnes

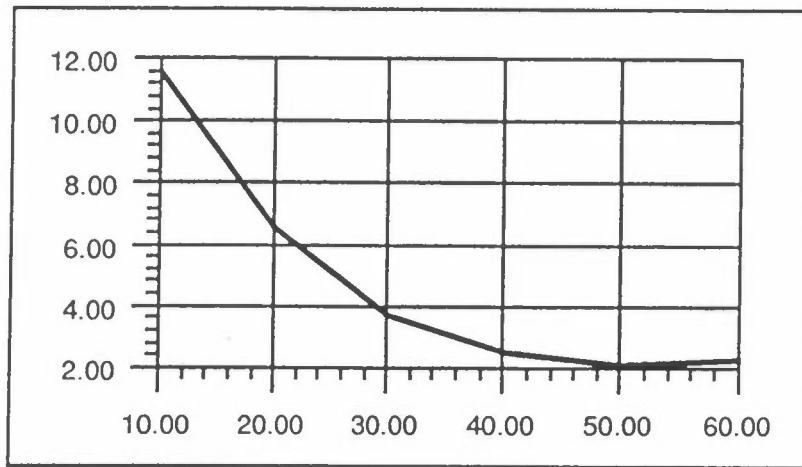


NO_x TA 4 tonnes

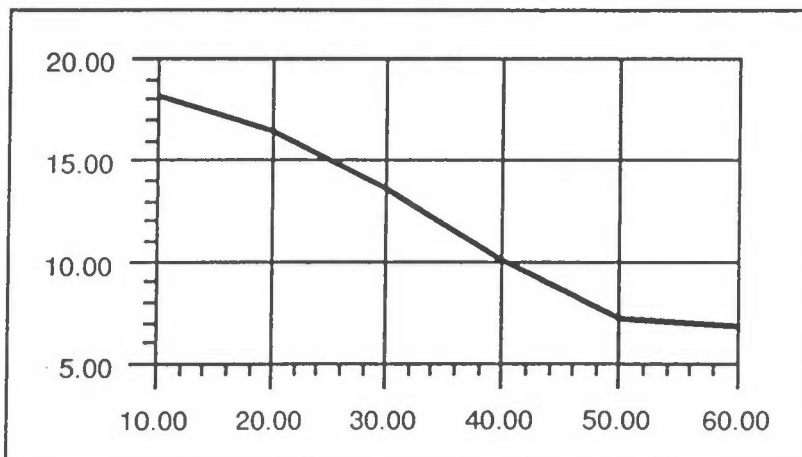


CO TA 8 tonnes		Bo Persson		
Acc./Ret. (m/s ²)				
V	-0.60	0.00	0.60	
10.00		14.40	13.00	11.55
20.00		9.00	9.50	6.58
30.00		5.00	5.50	3.74
40.00		3.00	4.80	2.47
50.00		3.00	4.20	2.05
60.00		2.80	6.00	2.25
NOx TA 8 tonnes		Bo Persson		
Acc./Ret. (m/s ²)				
V	-0.60	0.00	0.60	
10.00		11.00	42.00	18.12
20.00		6.00	38.00	16.42
30.00		8.00	29.00	13.66
40.00		8.00	25.00	10.13
50.00		8.00	22.00	7.20
60.00		9.00	17.00	6.86

CO TA 8 tonnes

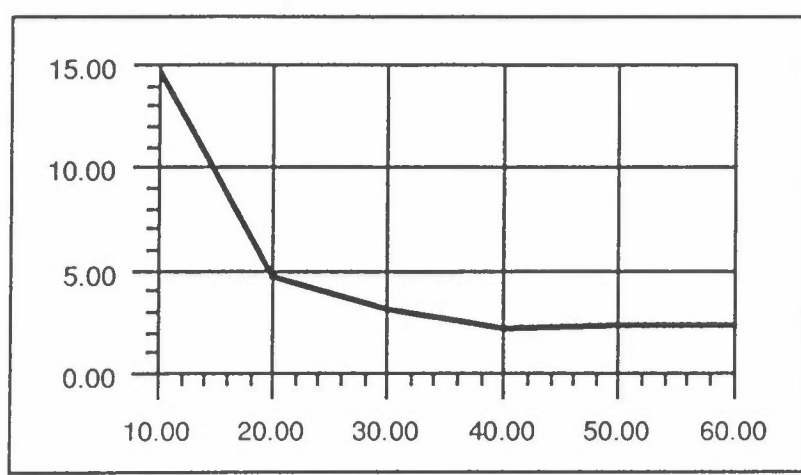


NO_x TA 8 tonnes

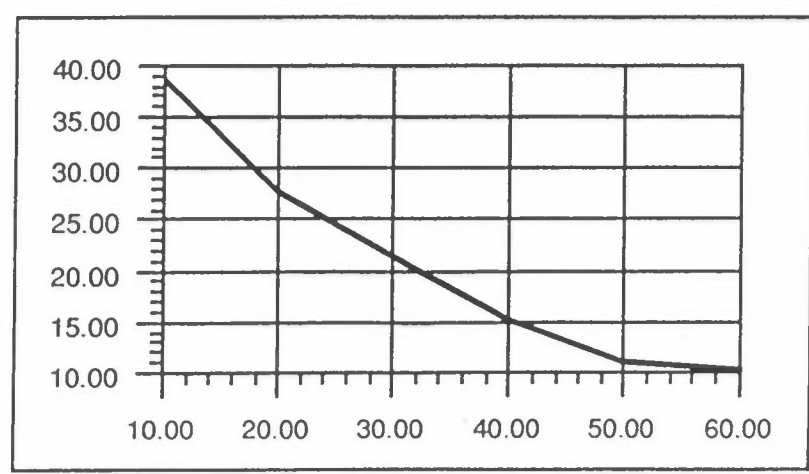


CO TA 15 tonnes		Bo Persson			
	Acc./Ret. (m/s ²)				
V	-0.60	0.00	0.60		
10.00		22.00	10.00		14.78
20.00		10.00	3.50		4.63
30.00		6.00	3.00		3.12
40.00		4.00	2.50		2.17
50.00		3.00	6.00		2.34
60.00		2.00	9.00		2.36
NOx TA 15 tonnes		Bo Persson			
	Acc./Ret. (m/s ²)				
V	-0.60	0.00	0.60		
10.00		18.00	100.00		38.72
20.00		15.00	60.00		27.75
30.00		12.00	46.00		21.44
40.00		10.00	40.00		15.20
50.00		12.00	35.00		11.12
60.00		12.00	30.00		10.32

CO TA 15 tonnes

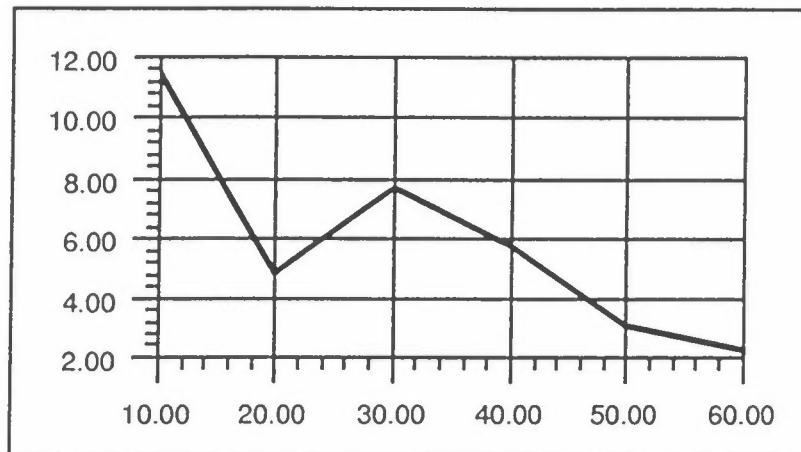


NO_x TA 15 tonnes

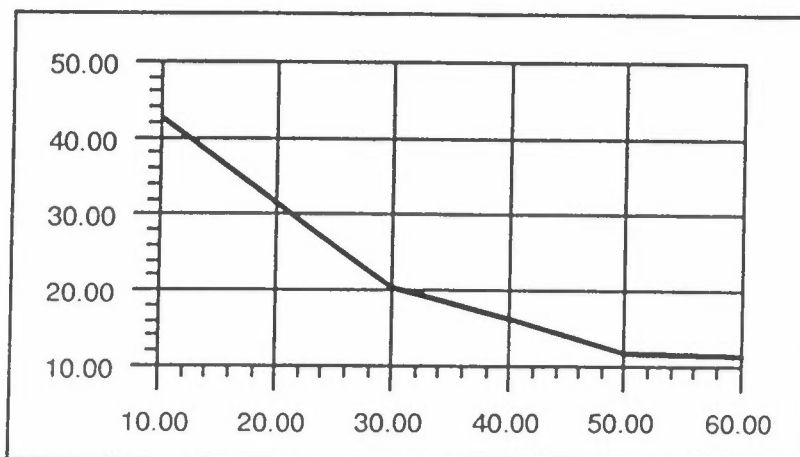


CO TA 30 tonnes		Bo Persson		
	Acc./Ret. (m/s ²)			
V	-0.60	0.00	0.60	
10.00		18.00	6.00	11.46
20.00		9.00	5.00	4.87
30.00		5.00	16.00	7.73
40.00		3.00	16.00	5.72
50.00		2.50	12.00	3.07
60.00		1.50	10.00	2.29
NOx TA 30 tonnes		Bo Persson		
	Acc./Ret. (m/s ²)			
V	-0.60	0.00	0.60	
10.00		32.00	88.00	42.80
20.00		20.00	66.00	31.68
30.00		14.00	42.00	20.58
40.00		13.00	40.00	16.28
50.00		13.00	35.00	11.58
60.00		14.00	30.00	11.24

CO TA 30 tonnes



NO_x TA 30 tonnes



Appendix B:

**Emission factors (g/km) from NOXCO,
CORINAIR and National Emission Model (NU)
for CO.**

**Light gasoline cars without catalyst,
1989 vehicle park**

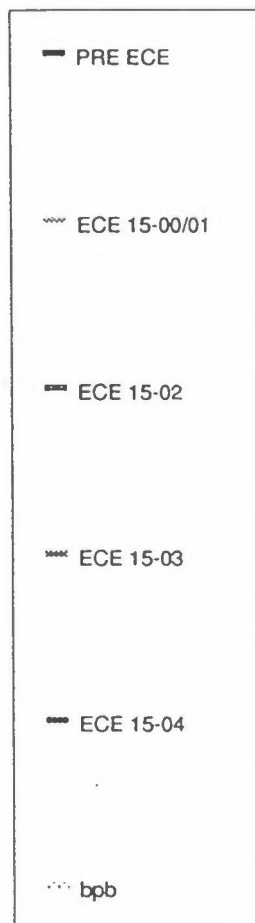
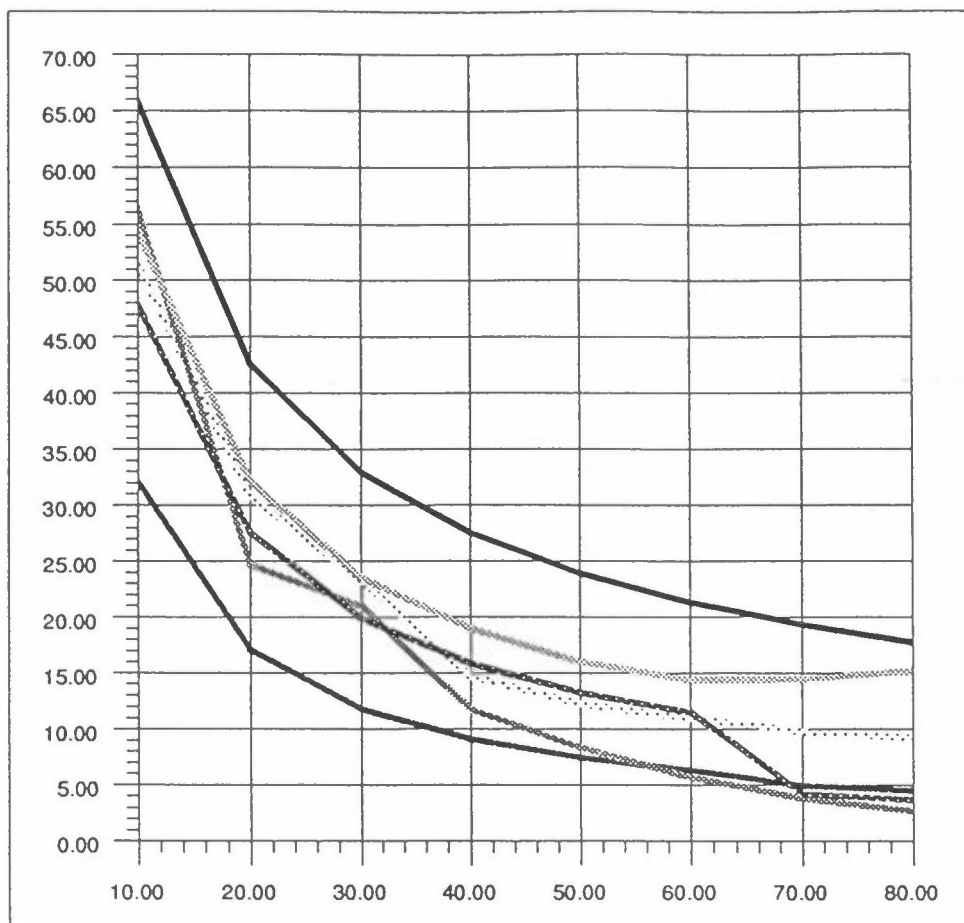
NU	PRE ECE	CE 15-00/01	ECE 15-02	ECE 15-03	ECE 15-04	NOXCO bpb
V						
10.00						51.40
20.00						30.80
30.00	35.00	25.00	22.00	21.00	17.00	23.30
40.00						14.70
50.00						12.20
60.00	21.00	14.00	12.00	9.00	8.00	11.00
70.00						9.80
80.00	18.00	15.00	8.00	8.00	8.00	9.20

With aging	PRE ECE	CE 15-00/01	ECE 15-02	ECE 15-03	ECE 15-04	NOXCO bpb
V						
10.00						51.40
20.00						30.80
30.00	59.98	39.76	33.17	28.78	19.40	23.30
40.00						14.70
50.00						12.20
60.00	35.99	22.27	18.09	12.33	9.13	11.00
70.00						9.80
80.00	30.84	23.86	12.06	10.96	9.13	9.20

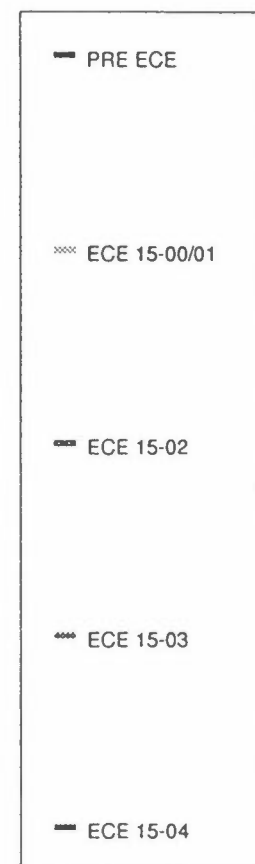
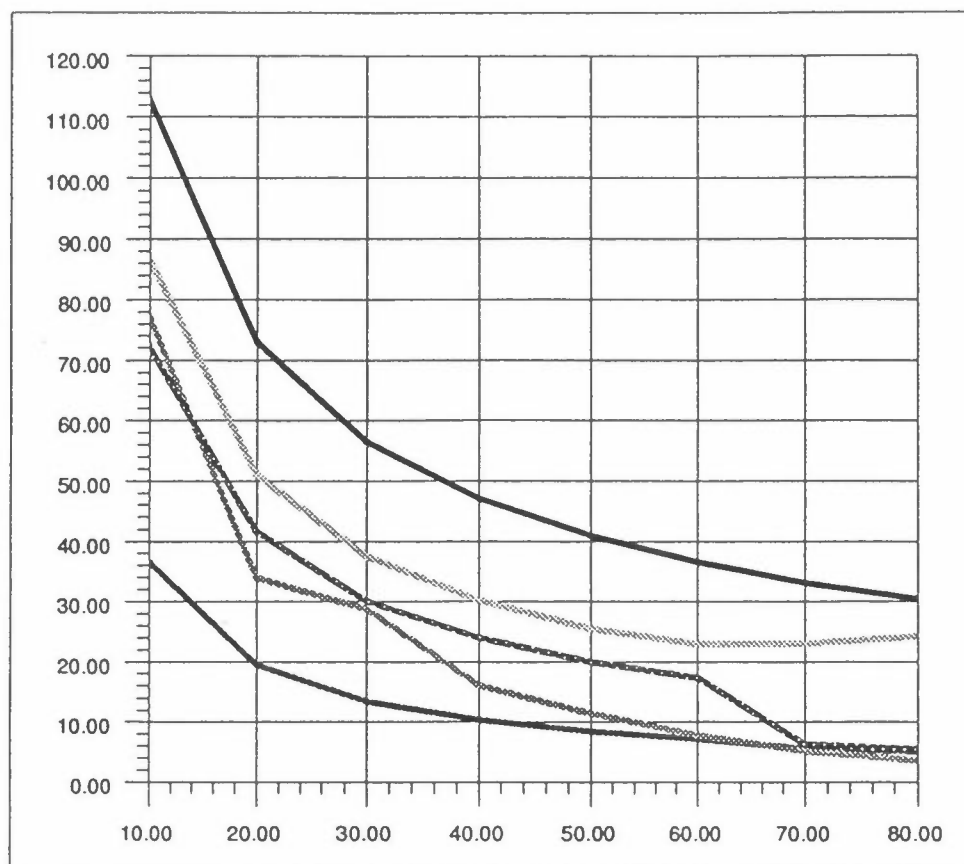
CORINAIR: Gasoline <2.5 tonnes. Without aging									
V	PRE ECE	CE 15-00/01	ECE 15-02	ECE 15-03	ECE 15-04	NOXCO	ppb		
10.00	65.87	54.39	47.88	56.32	32.08	51.40			
20.00	42.57	32.12	27.55	24.69	17.07	30.80			
30.00	32.97	23.60	19.95	21.00	11.81	23.30			
40.00	27.50	18.97	15.86	11.75	9.09	14.70			
50.00	23.90	16.01	13.28	8.35	7.42	12.20			
60.00	21.30	14.38	11.48	5.69	6.28	11.00			
70.00	19.33	14.48	4.20	3.79	4.95	9.80			
80.00	17.11	15.22	3.70	2.65	4.50	9.20			

CORINAIR: Gasoline <2.5 tonnes. With aging									
V	PRE ECE	CE 15-00/01	ECE 15-02	ECE 15-03	ECE 15-04	NOXCO	ppb		
10.00	112.88	88.51	72.18	77.18	36.62	51.40			
20.00	72.94	51.09	41.54	33.84	19.49	30.80			
30.00	56.50	37.54	30.07	28.78	13.47	23.30			
40.00	47.13	30.17	23.91	16.11	10.37	14.70			
50.00	40.95	25.46	20.01	11.44	8.47	12.20			
60.00	36.51	22.87	17.31	7.80	7.17	11.00			
70.00	33.13	23.03	6.33	5.20	5.65	9.80			
80.00	30.46	24.21	5.58	3.63	5.13	9.20			

CORINAIR: Gasoline < 2.5 tonnes Without aging

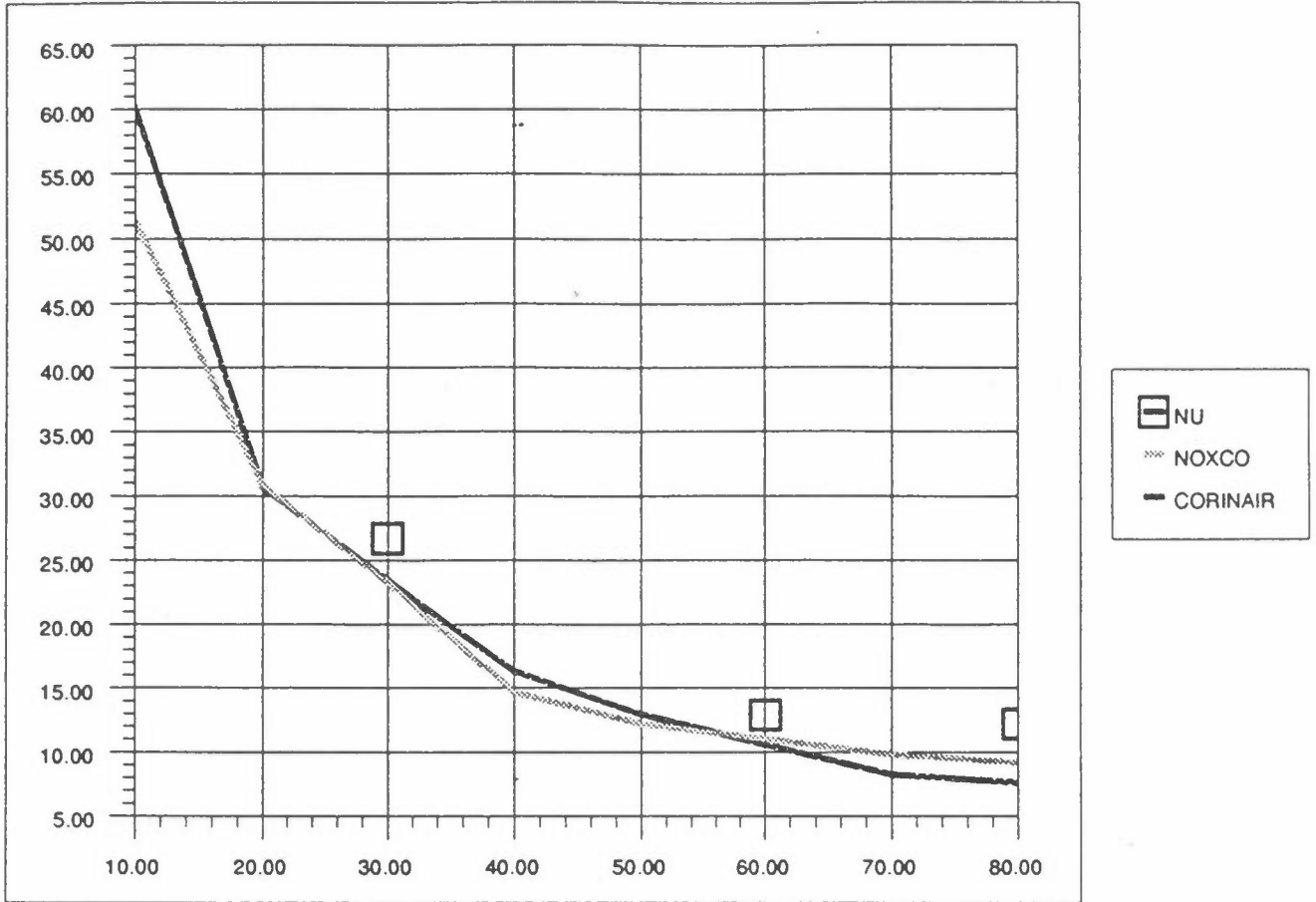


CORINAIR: Gasoline < 2.5 tonnes With aging



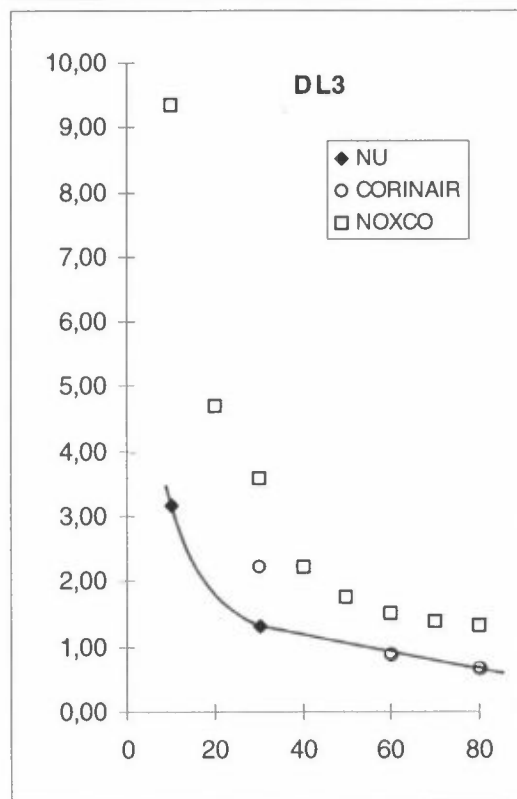
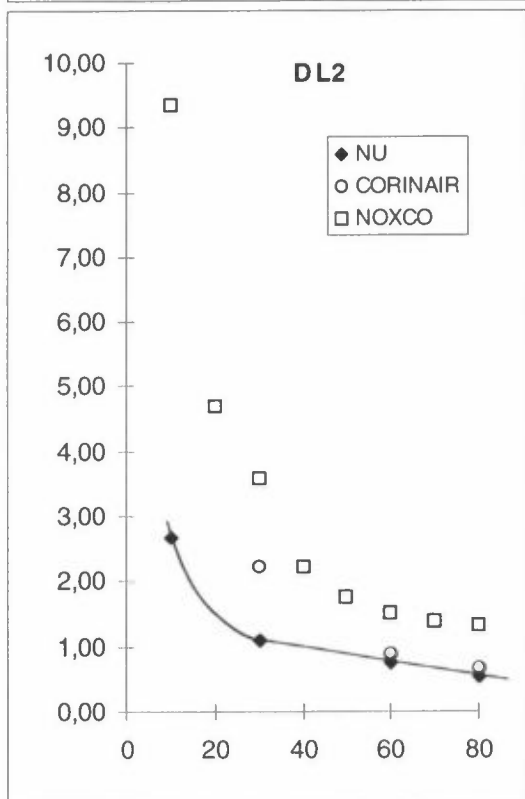
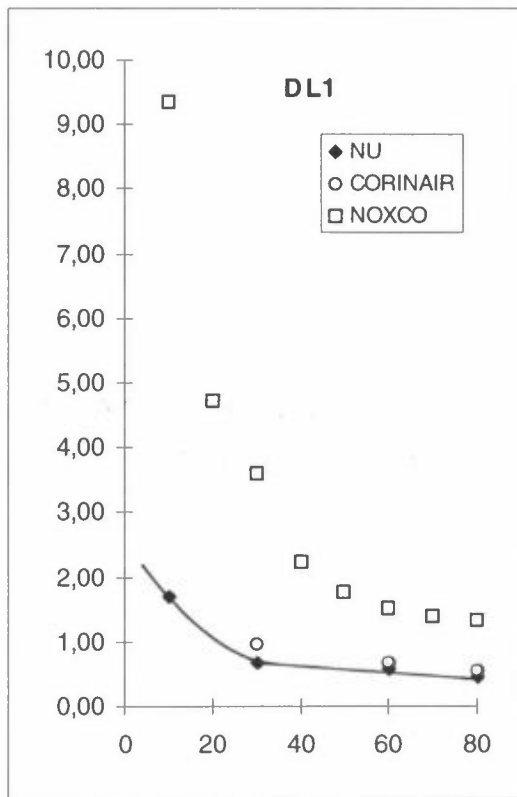
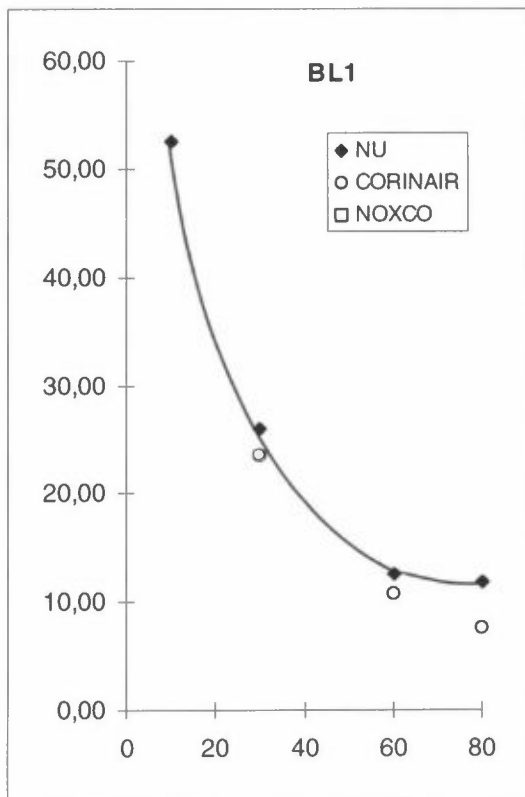
**Total emission factor for gasoline personal cars without catalyst for
National Emission Model (NU) and NOXCO**

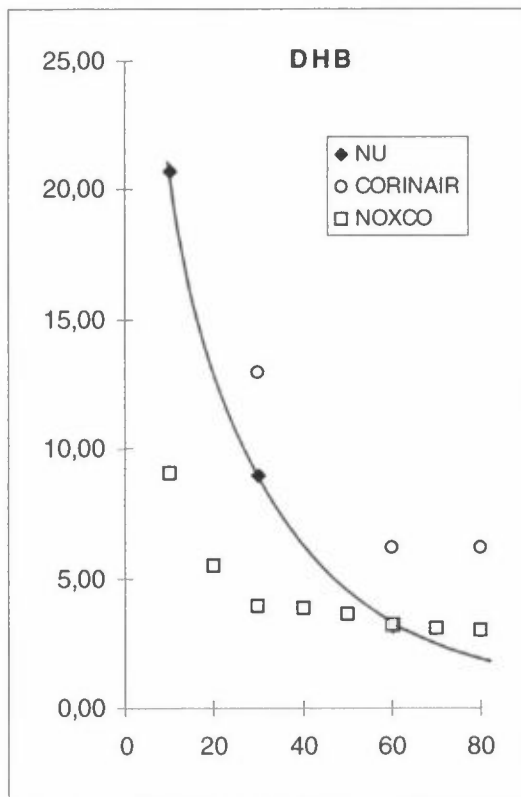
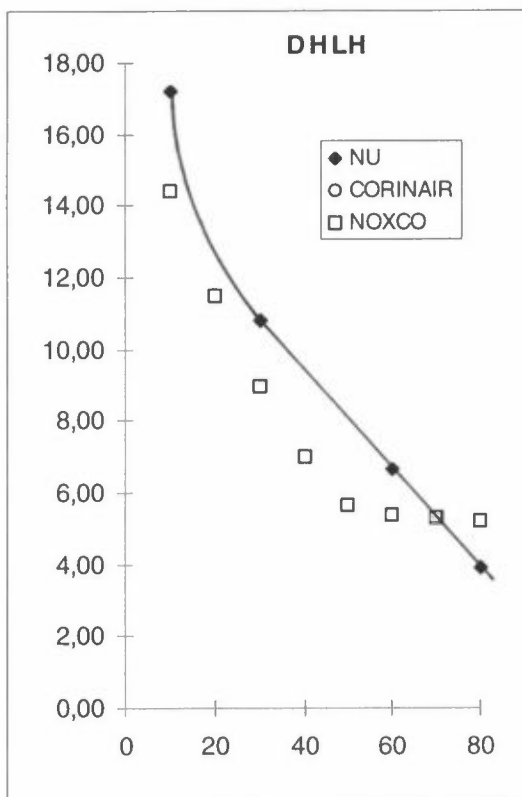
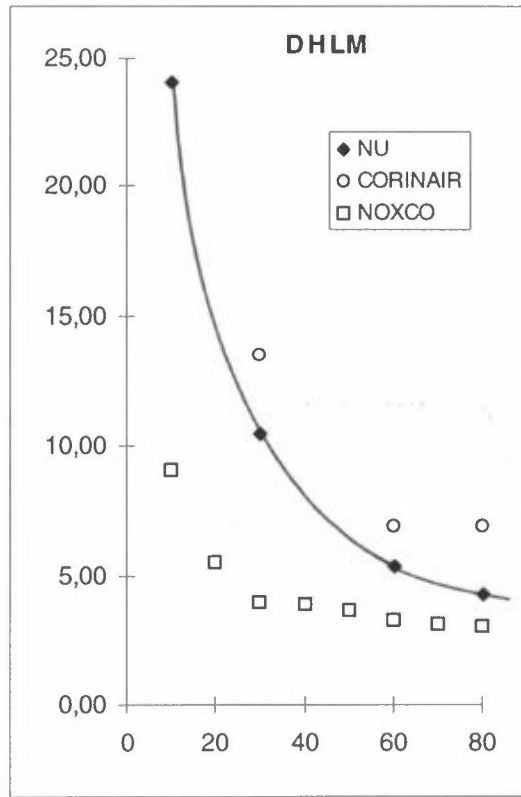
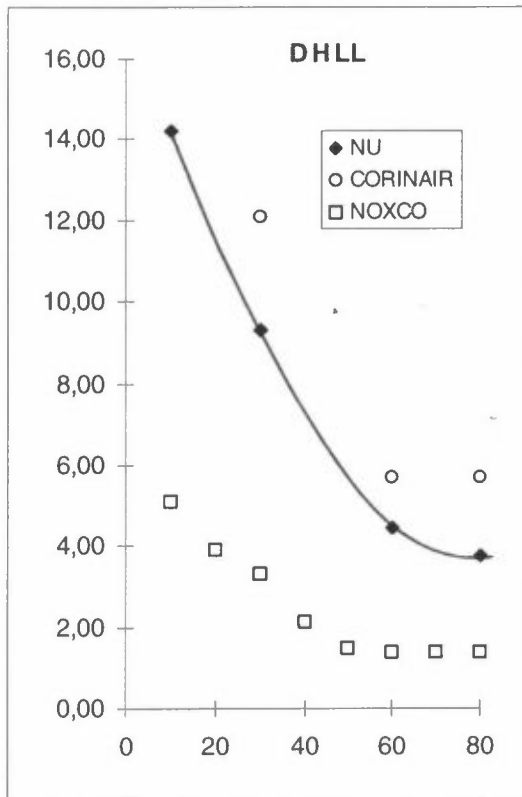
V	NU	NOXCO	CORINAIR
10.00		51.40	60.14
20.00		30.80	30.70
30.00	26.69	23.30	23.44
40.00		14.70	16.34
50.00		12.20	12.96
60.00	12.92	11.00	10.59
70.00		9.80	8.24
80.00	12.21	9.20	7.59



Appendix C:

**Emission factors (g/km) from NOXCO,
CORINAIR and National Emission Model (NU)
for CO
1989-vehicle park**





Reg. year DL2	Acc.dr. length	Traffic-work (%)	V=30		V60		V80		NU	q(weighthed)	q(aging)	q(weighthed)	NU	q(basis)	q(aging)	q(weighthed)				
			CORINAIR	q(basis)	CORINAIR	q(basis)	CORINAIR	q(basis)												
89	11382	5.135	2	2.022764	0.103867	1	1.011382	0.051933	0.8	0.809106	0.041547	0.7	0.707967	0.036353	0.6	0.606829	0.031160	0.5	0.505691	0.025967
88	34146	6.426	2	2.068292	0.132912	1	1.034146	0.066456	0.8	0.827317	0.053165	0.7	0.723902	0.046519	0.6	0.620488	0.039874	0.5	0.517073	0.033228
87	55509	9.508	2	2.111018	0.200718	1	1.055509	0.100359	0.8	0.844407	0.080287	0.7	0.738856	0.070251	0.6	0.633305	0.060215	0.5	0.527755	0.050180
86	74533	12.662	2	2.149066	0.272105	1	1.074533	0.136052	0.8	0.859626	0.108842	0.7	0.752173	0.095237	0.6	0.644720	0.081631	0.5	0.537267	0.068026
85	92068	11.352	2	2.184136	0.247945	1	1.092068	0.123972	0.8	0.873654	0.099178	0.7	0.764448	0.086781	0.6	0.655241	0.074383	0.5	0.546034	0.061986
84	108688	7.256	2	2.217376	0.160885	1	1.108688	0.080442	0.8	0.886950	0.064354	0.7	0.776082	0.056310	0.6	0.665213	0.048265	0.5	0.554344	0.040221
83	124991	7.401	2	2.249982	0.166522	1	1.124991	0.083261	0.8	0.899993	0.066609	0.7	0.787494	0.058283	0.6	0.674995	0.049957	0.5	0.562496	0.041630
82	140780	6.850	2	2.281156	0.156295	1	1.140780	0.078148	0.8	0.912624	0.062518	0.7	0.798546	0.054703	0.6	0.684468	0.048889	0.5	0.570390	0.039074
81	156051	5.921	2	2.312102	0.136908	1	1.156051	0.068454	0.8	0.924841	0.054763	0.7	0.809236	0.047918	0.6	0.693631	0.041073	0.5	0.578026	0.034227
80	171229	5.121	2	2.342458	0.119955	1	1.171229	0.059978	0.8	0.936983	0.047982	0.7	0.819860	0.041984	0.6	0.702737	0.035987	0.5	0.585615	0.029989
79	185561	4.191	2	2.371122	0.099381	1	1.185561	0.049690	0.8	0.948449	0.039752	0.7	0.829893	0.034783	0.6	0.711337	0.029814	0.5	0.592781	0.024845
78	199036	3.188	2	2.398072	0.076440	1	1.199036	0.038220	0.8	0.959229	0.030576	0.7	0.839325	0.026754	0.6	0.719422	0.022932	0.5	0.599518	0.019110
77	211826	4.590	2	2.423652	0.111246	1	1.211826	0.055623	0.8	0.969461	0.044499	0.7	0.848278	0.038936	0.6	0.727096	0.033374	0.5	0.605913	0.027812
76	223775	4.364	2	2.447355	0.106818	1	1.223775	0.053409	0.8	0.979020	0.042727	0.7	0.856643	0.037386	0.6	0.734265	0.032045	0.5	0.611888	0.026704
75	235471	4.400	2	2.470942	0.108730	1	1.235471	0.054365	0.8	0.988377	0.043492	0.7	0.864830	0.038055	0.6	0.741283	0.032619	0.5	0.617736	0.027182
<75	270300	1.634	2	2.5406	0.041523	1	1.2703	0.020761	0.8	1.016240	0.016609	0.7	0.889210	0.014533	0.6	0.762180	0.012457	0.5	0.635150	0.010381
TOTAL				2.242249			1.121125			0.896900			0.784787			0.672675			0.560562	
Reg. year DL3	Acc.dr. length	Traffic-work (%)	V=30		V60		V80		NU	q(weighthed)	q(aging)	q(weighthed)	NU	q(basis)	q(aging)	q(weighthed)	NU	q(basis)	q(aging)	q(weighthed)
			CORINAIR	q(basis)	CORINAIR	q(basis)	CORINAIR	q(basis)												
89	11382	5.135	2	2.022764	0.103867	1.2	1.213658	0.062320	0.8	0.809106	0.041547	0.8	0.809106	0.041547	0.6	0.606829	0.031160	0.6	0.606829	0.031160
88	34146	6.426	2	2.068292	0.132912	1.2	1.240975	0.079747	0.8	0.827317	0.053165	0.8	0.827317	0.053165	0.6	0.620488	0.039874	0.6	0.620488	0.039874
87	55509	9.508	2	2.111018	0.200718	1.2	1.266611	0.120431	0.8	0.844407	0.080287	0.8	0.844407	0.080287	0.6	0.633305	0.060215	0.6	0.633305	0.060215
86	74533	12.662	2	2.149066	0.272105	1.2	1.289440	0.163263	0.8	0.859626	0.108842	0.8	0.859626	0.108842	0.6	0.644720	0.081631	0.6	0.644720	0.081631
85	92068	11.352	2	2.184136	0.247945	1.2	1.310482	0.148767	0.8	0.873654	0.099178	0.8	0.873654	0.099178	0.6	0.655241	0.074383	0.6	0.655241	0.074383
84	108688	7.256	2	2.217376	0.160885	1.2	1.330426	0.096531	0.8	0.886950	0.064354	0.8	0.886950	0.064354	0.6	0.665213	0.048265	0.6	0.665213	0.048265
83	124991	7.401	2	2.249982	0.166522	1.2	1.349989	0.099913	0.8	0.899993	0.066609	0.8	0.899993	0.066609	0.6	0.674995	0.049957	0.6	0.674995	0.049957
82	140780	6.850	2	2.281156	0.156295	1.2	1.368936	0.093777	0.8	0.912624	0.062518	0.8	0.912624	0.062518	0.6	0.684468	0.048889	0.6	0.684468	0.048889
81	156051	5.921	2	2.312102	0.136908	1.2	1.387261	0.082145	0.8	0.924841	0.054763	0.8	0.924841	0.054763	0.6	0.693631	0.041073	0.6	0.693631	0.041073
80	171229	5.121	2	2.342458	0.119955	1.2	1.405475	0.071973	0.8	0.936983	0.047982	0.8	0.936983	0.047982	0.6	0.702737	0.035987	0.6	0.702737	0.035987
79	185561	4.191	2	2.371122	0.099381	1.2	1.422673	0.059628	0.8	0.948449	0.039752	0.8	0.948449	0.039752	0.6	0.711337	0.029814	0.6	0.711337	0.029814
78	199036	3.188	2	2.398072	0.076440	1.2	1.438843	0.045864	0.8	0.959229	0.030576	0.8	0.959229	0.030576	0.6	0.719422	0.022932	0.6	0.719422	0.022932
77	211826	4.590	2	2.423652	0.111246	1.2	1.454191	0.066746	0.8	0.969461	0.044499	0.8	0.969461	0.044499	0.6	0.727096	0.033374	0.6	0.727096	0.033374
76	223775	4.364	2	2.447355	0.106818	1.2	1.468530	0.064091	0.8	0.979020	0.042727	0.8	0.979020	0.042727	0.6	0.734265	0.032045	0.6	0.734265	0.032045
75	235471	4.400	2	2.470942	0.108730	1.2	1.482565	0.065238	0.8	0.988377	0.043492	0.8	0.988377	0.043492	0.6	0.741283	0.032619	0.6	0.741283	0.032619
<75	270300	1.634	2	2.5406	0.041523	1.2	1.524360	0.024914	0.8	1.016240	0.016609	0.8	1.016240	0.016609	0.6	0.762180	0.012457	0.6	0.762180	0.012457
TOTAL				2.242249			1.345350			0.896900			0.896900			0.672675			0.672675	

Reg. year DHLL	Acc.dr. length work (%)	V=30			V60			V80			NU	q(aging)	q(weighted)	q(aged)	q(weighted)		
		q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)							
89	12800	5.909	3.53	3.543555	0.209394	9.02	9.054637	0.535053	3.5	3.513440	0.207615	4.32	4.336589	0.256256	3.74	3.754362	0.221851
88	38400	9.796	3.53	3.570666	0.349787	9.02	9.123910	0.893790	3.5	3.540320	0.346814	4.32	4.369766	0.428068	3.74	3.740129	0.366388
87	64000	14.313	3.53	3.597776	0.514941	9.02	9.193184	1.315798	3.5	3.567200	0.510565	4.32	4.402944	0.630183	3.74	3.740215	0.533328
86	89600	17.279	3.53	3.624886	0.626360	9.02	9.262458	1.600502	3.5	3.594080	0.621037	4.32	4.436122	0.766537	3.74	3.740302	0.636303
85	113375	11.734	18.8	19.439435	2.281029	9.02	9.326793	1.094409	7.3	7.548291	0.885719	4.32	4.466934	0.524151	3.74	3.740382	0.438897
84	133500	7.675	18.8	19.552940	1.500693	9.02	9.381251	0.720013	7.3	7.592365	0.582716	4.32	4.493016	0.344840	3.74	3.740449	0.287080
83	149975	6.105	18.8	19.645859	1.199319	9.02	9.425832	0.575418	7.3	7.628445	0.465693	4.32	4.514368	0.275588	3.74	3.740505	0.228346
82	162775	5.217	18.8	19.718051	1.028776	9.02	9.460469	0.493594	7.3	7.656477	0.399472	4.32	4.530956	0.236400	3.74	3.740548	0.195161
81	173725	4.578	18.8	19.779809	0.905568	9.02	9.490100	0.434480	7.3	7.680458	0.351630	4.32	4.545148	0.208088	3.74	3.740585	0.171253
80	184675	4.111	18.8	19.841567	0.815597	9.02	9.519731	0.391313	7.3	7.704438	0.316695	4.32	4.559339	0.187414	3.74	3.740622	0.153760
79	192650	0.963	18.8	19.886546	0.191606	9.02	9.541311	0.091930	7.3	7.721904	0.074400	4.32	4.569674	0.044029	3.74	3.740648	0.036041
78	197650	0.986	18.8	19.914746	0.196334	9.02	9.554841	0.094198	7.3	7.732854	0.076236	4.32	4.576154	0.045115	3.74	3.740665	0.038878
77	202650	1.244	18.8	19.942946	0.248182	9.02	9.568371	0.119075	7.3	7.743804	0.096369	4.32	4.582634	0.057029	3.74	3.740682	0.046551
76	207650	1.244	18.8	19.971146	0.248533	9.02	9.581901	0.119243	7.3	7.754754	0.096505	4.32	4.589114	0.057110	3.74	3.740699	0.046552
75	212650	1.244	18.8	19.993346	0.248884	9.02	9.595431	0.119411	7.3	7.765704	0.096641	4.32	4.595594	0.057190	3.74	3.740716	0.046552
<75	230150	7.600	18.8	20.098046	1.527408	9.02	9.642786	0.732831	7.3	7.804029	0.593089	4.32	4.618274	0.350979	3.74	3.740775	0.284291
TOTAL					12.092412			9.331058			5.721195			4.468977			3.741233
Reg. year DHLL	Acc.dr. length work (%)	V=30			V60			V80			NU	q(aging)	q(weighted)	q(aged)	q(weighted)		
		q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)							
89	24350	5.909	5.6	5.640908	0.333330	9.9	9.972320	0.589280	5.6	5.640908	0.333330	5.04	5.076817	0.299997	4	4.02922	0.238093
88	73050	9.796	5.6	5.722724	0.560605	9.9	10.116959	0.991070	5.6	5.722724	0.560605	5.04	5.150452	0.504545	4	4.08766	0.400432
87	12175	14.313	5.6	5.620454	0.804442	9.9	9.936160	1.422139	5.6	5.620454	0.804442	5.04	5.058409	0.723998	4	4.01461	0.574601
86	170450	17.279	5.6	5.886356	1.071130	9.9	10.406237	1.798140	5.6	5.886356	1.071130	5.04	5.297720	0.915417	4	4.10454	0.726521
85	215700	11.734	18.8	20.016548	2.348748	9.9	10.540629	1.236840	7.3	7.772383	0.912014	5.04	5.366138	0.629864	4	4.15884	0.499734
84	254000	7.675	18.8	20.23256	1.552854	9.9	10.654380	0.817726	7.3	7.856260	0.602970	5.04	5.424048	0.416297	4	4.3048	0.330394
83	285350	6.105	18.8	20.403374	1.245930	9.9	10.747490	0.656101	7.3	7.924917	0.483792	5.04	5.471449	0.334015	4	4.34242	0.265091
82	309750	5.217	18.8	20.54699	1.072026	9.9	10.819958	0.564524	7.3	7.978353	0.416265	5.04	5.508342	0.287394	4	4.3717	0.228091
81	330650	4.578	18.8	20.664866	0.946088	9.9	10.882031	0.498206	7.3	8.024124	0.367364	5.04	5.539943	0.253632	4	4.39678	0.201295
80	351550	4.111	18.8	20.782742	0.854285	9.9	10.944104	0.449863	7.3	8.069895	0.331717	5.04	5.571544	0.229021	4	4.42186	0.181763
79	364500	0.963	18.8	20.85578	0.200944	9.9	10.982565	0.105816	7.3	8.098255	0.078026	5.04	5.591124	0.053870	4	4.4374	0.042754
78	369500	0.986	18.8	20.88398	0.205889	9.9	10.997415	0.108420	7.3	8.109205	0.079946	5.04	5.598684	0.055196	4	4.4434	0.043806
77	374500	1.244	18.8	20.91218	0.260244	9.9	11.012265	0.137043	7.3	8.120155	0.101052	5.04	5.606244	0.069767	4	4.4494	0.055371
76	379500	1.244	18.8	20.94038	0.260595	9.9	11.027115	0.137228	7.3	8.131105	0.101188	5.04	5.613804	0.069862	4	4.4554	0.055446
75	384500	1.244	18.8	20.96858	0.260946	9.9	11.041965	0.137413	7.3	8.142055	0.101325	5.04	5.621364	0.069956	4	4.4614	0.055520
<75	402000	7.600	18.8	21.06728	1.601068	9.9	11.093940	0.843116	7.3	8.180380	0.621691	5.04	5.647824	0.429223	4	4.4824	0.340653
TOTAL					13.525123			10.492927			6.912858			5.341854			4.139566

Reg. year DHL	Acc.dr. length	Traffic work (%)	V=30			V60			V80			NU q(basis) q(aging) q(weighted)		
			CORINAIR q(basis) q(aging) q(weighted)	NU q(basis) q(aging) q(weighted)	CORINAIR q(basis) q(aging) q(weighted)	NU q(basis) q(aging) q(weighted)	CORINAIR q(basis) q(aging) q(weighted)	NU q(basis) q(aging) q(weighted)						
89	24350	5.909	6.38	6.425936	0.37971882	8.4	8.46048	0.49994327	5.38	5.418736	0.32020176	3.9	3.900085	0.230462
88	73050	9.796	6.38	6.517908	0.63849277	8.4	8.58144	0.84064879	5.38	5.496208	0.538415534	3.9	3.900256	0.382074
87	12175	14.313	6.38	6.60968	0.94602761	8.4	8.7024	1.24555359	5.38	5.57368	0.797747418	3.9	3.900043	0.558204
86	170450	17.279	6.38	6.701552	1.15799122	8.4	8.82336	1.52462793	5.38	5.651152	0.97648789	3.9	3.900598	0.674002
85	215700	11.734	17	18.1016	2.12404702	8.4	8.94432	1.04952911	6.2	6.60176	0.77465244	3.9	3.900757	0.457716
84	254000	7.675	17	18.33518	1.40722966	8.4	9.059736	0.69533701	6.2	6.686948	0.513224935	3.9	3.900892	0.299394
83	285350	6.105	17	18.54632	1.13219586	8.4	9.164064	0.55943795	6.2	6.763952	0.41291849	3.9	3.901002	0.238144
82	309750	5.217	17	18.73502	0.97748724	8.4	9.257304	0.4829937	6.2	6.832772	0.356495348	3.9	3.901087	0.203537
81	330650	4.578	17	18.90128	0.866534711	8.4	9.339456	0.42758328	6.2	6.893408	0.315597182	3.9	3.901161	0.178605
80	351550	4.111	17	19.0451	0.78285795	8.4	9.41052	0.38682393	6.2	6.94586	0.285512899	3.9	3.901234	0.160362
79	364500	0.963	17	19.16548	0.18466773	8.4	9.470496	0.09124758	6.2	6.990128	0.067349407	3.9	3.901279	0.037589
78	369500	0.986	17	19.26032	0.18988193	8.4	9.516864	0.09382401	6.2	7.024352	0.069251055	3.9	3.901297	0.038462
77	374500	1.244	17	19.33172	0.24057557	8.4	9.552144	0.11887263	6.2	7.050392	0.087739324	3.9	3.901314	0.048550
76	379500	1.244	17	19.39088	0.24131179	8.4	9.581376	0.11923641	6.2	7.071968	0.088007829	3.9	3.901332	0.048551
75	384500	1.244	17	19.4378	0.24189569	8.4	9.60456	0.11952493	6.2	7.08908	0.088220781	3.9	3.901350	0.048551
<75	402000	7.600	17	19.5347	1.48459531	8.4	9.65244	0.73356474	6.2	7.12442	0.541440643	3.9	3.901411	0.296499
TOTAL					12.9943233			8.98874887			6.233262938			3.900701
89	24000	5.909	6.38	6.425936	0.37971882	8.4	8.46048	0.49994327	5.38	5.418736	0.32020176	3	3.0216	0.178551167
88	72000	9.796	6.38	6.517908	0.63849277	8.4	8.58144	0.84064879	5.38	5.496208	0.538415534	3	3.0648	0.30023171
87	120000	14.313	6.38	6.60968	0.94602761	8.4	8.7024	1.24555359	5.38	5.57368	0.797747418	3	3.108	0.444840568
86	168000	17.279	6.38	6.701552	1.15799122	8.4	8.82336	1.52462793	5.38	5.651152	0.97648789	3	3.1512	0.544509976
85	216000	11.734	17	18.1016	2.12404702	8.4	8.94432	1.04952911	6.2	6.60176	0.77465244	3	3.1944	0.374831827
84	261800	7.675	17	18.33518	1.40722966	8.4	9.059736	0.69533701	6.2	6.686948	0.513224935	3	3.23562	0.248334646
83	303200	6.105	17	18.54632	1.13219586	8.4	9.164064	0.55943795	6.2	6.763952	0.41291849	3	3.27288	0.19979927
82	340200	5.217	17	18.73502	0.97748724	8.4	9.257304	0.4829937	6.2	6.832772	0.356495348	3	3.30618	0.172497749
81	372800	4.578	17	18.90128	0.866534711	8.4	9.339456	0.42758328	6.2	6.893408	0.315597182	3	3.33552	0.152708314
80	401000	4.111	17	19.0451	0.78285795	8.4	9.41052	0.38682393	6.2	6.94586	0.285512899	3	3.3609	0.138151403
79	424800	0.963	17	19.16548	0.18466773	8.4	9.470496	0.09124758	6.2	6.990128	0.067349407	3	3.38232	0.032588423
78	443200	0.986	17	19.26032	0.18988193	8.4	9.516864	0.09382401	6.2	7.024352	0.069251055	3	3.39888	0.033508575
77	457200	1.244	17	19.33172	0.24057557	8.4	9.552144	0.11887263	6.2	7.050392	0.087739324	3	3.41148	0.042454512
76	468800	1.244	17	19.39088	0.24131179	8.4	9.581376	0.11923641	6.2	7.071968	0.088007829	3	3.42192	0.042584433
75	478000	1.244	17	19.4378	0.24189569	8.4	9.60456	0.11952493	6.2	7.08908	0.088220781	3	3.4302	0.042687475
<75	497000	7.600	17	19.5347	1.48459531	8.4	9.65244	0.73356474	6.2	7.12442	0.541440643	3	3.4473	0.261987408
TOTAL					12.9943233			8.98874887			6.233262938			3.210267455

DHLL		1.52	
	NU	CORINAIR	NOXCO
0			
10	14.20		5.10
20			3.90
30	9.33	12.092	3.30
40			2.14
50			1.51
60	4.47	5.721	1.40
70			1.38
80	3.74	5.721	1.37

DHLM		2.30	
	NU	CORINAIR	NOXCO
0			
10	24.10		9.11
20			5.54
30	10.49	13.525	3.96
40			3.88
50			3.68
60	5.34	6.913	3.25
70			3.13
80	4.24	6.913	3.05

DHLH		1.59	
	NU	CORINAIR	NOXCO
0			
10	17.20		14.40
20			11.52
30	10.81		9.00
40			7.02
50			5.67
60	6.65		5.40
70			5.31
80	3.90		5.20

DHB		2.30	
	NU	CORINAIR	NOXCO
0			
10	20.70		9.11
20			5.54
30	8.99	12.994	3.96
40			3.88
50			3.68
60	3.21	6.233	3.25
70			3.13
80		6.233	3.05

Appendix D:

**Emission factors (g/km) from NOXCO,
CORINAIR and National Emission Model for NO_x.
Light gasoline vehicles without catalyst**

noxbensl.wkz													
A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Emissions from light duty gasoline vehicles without catalyst												
2	CORINAIR: Gasoline <2.5 tonnes without aging												
3	V	PRE ECE	E 15-00/01		ECE 15-02		ECE 15-03		ECE 15-04		Closed loop		NOXCO
4	10.00	1.58	1.58		1.68		1.42		1.62		0.23		bpb
5	20.00	1.79	1.79		1.66		1.57		1.77		0.21		2.38
6	30.00	2.00	2.00		1.60		1.74		1.94		0.21		2.62
7	40.00	2.19	2.19		1.50		1.92		2.12		0.21		2.38
8	50.00	2.38	2.38		1.35		2.12		2.32		0.23		2.55
9	60.00	2.56	2.56		1.17		2.34		2.53		0.26		2.69
10	70.00	2.74	2.74		0.95		2.58		2.76		0.31		2.88
11	80.00	2.90	2.90		0.69		2.85		3.00		0.36		3.09
12													3.30
13	CORINAIR: Gasoline <2.5 tonnes with aging												
14	V	PRE ECE	E 15-00/01		ECE 15-02		ECE 15-03		ECE 15-04				bpb
15	10.00	2.70	2.70		2.70		2.12		2.14				2.38
16	20.00	3.07	3.07		2.66		2.34		2.34				2.62
17	30.00	3.42	3.42		2.57		2.59		2.56				2.38
18	40.00	3.76	3.76		2.40		2.86		2.80				2.55
19	50.00	4.08	4.08		2.17		3.15		3.05				2.69
20	60.00	4.39	4.39		1.88		3.48		3.33				2.88
21	70.00	4.69	4.69		1.52		3.84		3.63				3.09
22	80.00	4.97	4.97		1.10		4.24		3.95				3.30
23													
24													
25													
26													

noxbensi.wkz													
A	B	C	D	E	F	G	H	I	J	K	L	M	N
27													
28													
29		gasoline classes according to NU											
30	Reg.	traf.work	%traf.work										
31	year	of total	level of demand				%traf.work						
32	89	2.312	2.44	ECE 15-04		ECE 15-04	26.06						
33	88	5.512	5.81	ECE 15-04		ECE 15-03	43.07						
34	87	4.295	4.53	ECE 15-04		ECE 15-02	9.87						
35	86	4.870	5.14	ECE 15-04		ECE 15-00	21.00						
36	85	7.716	8.14	ECE 15-04			100.00						
37	84	10.855	11.45	ECE 15-03									
38	83	10.423	11.00	ECE 15-03									
39	82	6.484	6.84	ECE 15-03									
40	81	6.611	6.97	ECE 15-03	Total emission factor for gasoline personal vehicles without catalyst								
41	80	6.455	6.81	ECE 15-03	CORINAIR and NOXCO								
42	79	5.024	5.30	ECE 15-02									
43	78	4.328	4.57	ECE 15-02					V	CORINAIR	NOXCO		
44	77	3.596	3.79	ECE 15-00					10.00	2.30	2.38		
45	76	2.656	2.80	ECE 15-00					20.00	2.52	2.62		
46	75	4.197	4.43	ECE 15-00					30.00	2.75	2.38		
47	74	4.454	4.70	ECE 15-00					40.00	2.98	2.55		
48	<73	5.00	5.27	ECE 15-00					50.00	3.23	2.69		
49		94.79	100.00						60.00	3.48	2.88		
50									70.00	3.74	3.09		
51									80.00	4.01	3.30		
52													

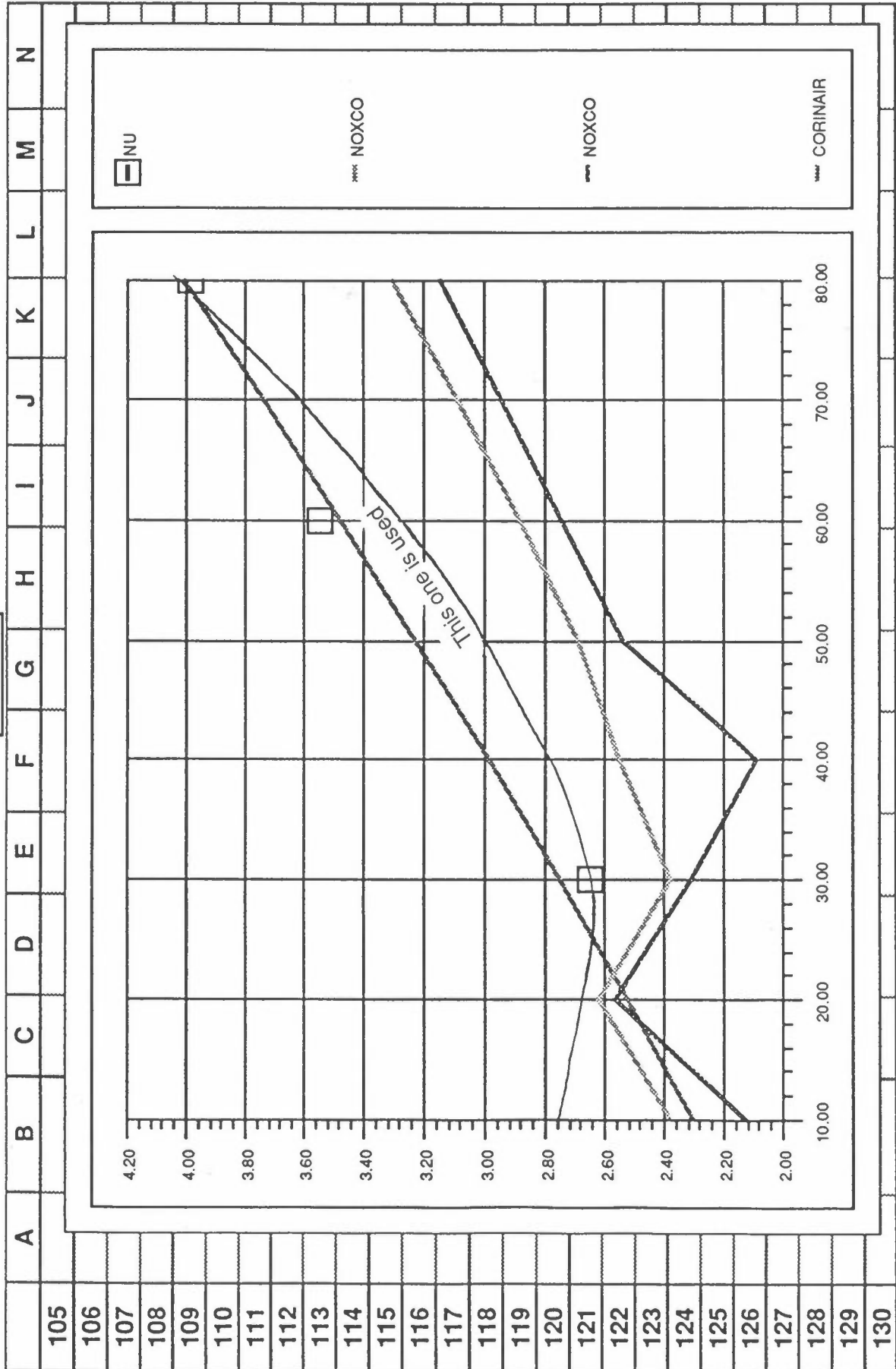
noxbensi.wkz														
	A	B	C	D	E	F	G	H	I	J	K	L	M	N
53														
54														
55														
56	NU													
57	Without aging													
58	V	PRE ECE		E 15-00/01		ECE 15-02		ECE 15-03		ECE 15-04				pbb
59	10.00													2.38
60	20.00													2.62
61	30.00	1.90		1.90		1.60		1.70		1.80				2.38
62	40.00													2.55
63	50.00													2.69
64	60.00	2.50		2.50		2.20		2.30		2.40				2.88
65	70.00													3.09
66	80.00	2.50		2.40		2.50		2.80		2.70				3.30
67														
68	NU													
69	With aging													
70	V	PRE ECE		E 15-00/01		ECE 15-02		ECE 15-03		ECE 15-04				pbb
71	10.00													2.38
72	20.00													2.62
73	30.00	3.26		3.26		2.57		2.53		2.37				2.38
74	40.00													2.55
75	50.00													2.69
76	60.00	4.28		4.28		3.53		3.43		3.16				2.88
77	70.00													3.09
78	80.00	4.28		4.11		4.02		4.17		3.56				3.30

noxbensi.wkz													
A	B	C	D	E	F	G	H	I	J	K	L	M	N
79													
80													
81													
82													
83													
84													
85													
86													
87	V	NU	NOXCO		Corrected for driving pattern								
88	10.00		2.38		V	NOXCO	CORINAIR						
89	20.00		2.62		10.00	2.13	2.30						
90	30.00	2.65	2.38		20.00	2.57	2.52						
91	40.00		2.55		30.00	2.31	2.75						
92	50.00		2.69		40.00	2.09	2.98						
93	60.00	3.55	2.88		50.00	2.54	3.23						
94	70.00		3.09		60.00	2.74	3.48						
95	80.00	3.98	3.30		70.00	2.94	3.74						
96					80.00	3.14	4.01						
97													
98													
99													
100													
101													
102													
103													
104													

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
105														
106														
107														
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noxbensi.wkz



Appendix E:

**Emission factors (g/km) from NOXCO,
CORINAIR and National Emission Model for NO_x.
1989-vehicle park**

NOX1989.XLS

Reg. year	Acc. dr. length	Trafficwork (%)			V=60			V=80				
		Acc. dr. length	Trafficwork (%)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)
BL1												
89	9106	5.135	0.11	0.005715	0.111302	0.005715	0.13	0.131539	0.006754	0.121421	0.006235	
88	27317	6.426	1.80	1.863922	1.863922	0.119779	2.40	2.485229	0.159705	2.795883	0.179669	
87	44407	9.508	1.80	1.903912	1.903912	0.181026	2.40	2.538550	0.241368	2.855869	0.271539	
86	59627	12.662	1.80	1.939527	1.939527	0.245574	2.40	2.586036	0.327432	2.909291	0.368361	
85	73655	11.352	1.80	1.972353	1.972353	0.223903	2.40	2.629804	0.298537	2.958529	0.335854	
84	86951	7.256	1.70	1.892162	1.892162	0.142173	2.30	2.559983	0.185743	3.116502	0.226122	
83	99993	7.401	1.70	1.920985	1.920985	0.142173	2.30	2.598979	0.192351	3.163975	0.234167	
82	112624	6.850	1.70	1.948899	1.948899	0.133507	2.30	2.636746	0.180627	3.209951	0.219894	
81	124841	5.921	1.70	1.975899	1.975899	0.117000	2.30	2.673275	0.158295	3.254421	0.192707	
80	136983	5.121	1.70	2.002732	2.002732	0.102558	2.30	2.709579	0.138755	3.298618	0.168919	
79	148449	4.191	1.60	1.908774	1.908774	0.080002	2.20	2.624564	0.110003	2.982459	0.125004	
78	159229	3.188	1.60	1.931196	1.931196	0.061558	2.20	2.655395	0.084642	3.017494	0.096184	
77	169461	4.590	1.90	2.318569	2.318569	0.106423	2.50	3.050748	0.140030	2.928718	0.134429	
76	179020	4.364	1.90	2.342179	2.342179	0.102219	2.50	3.081815	0.134499	2.958542	0.129119	
75	188377	4.400	1.90	2.365291	2.365291	0.104081	2.50	3.112225	0.136949	2.987736	0.131471	
<75	216240	1.634	1.90	2.434113	2.434113	0.039782	2.50	3.202780	0.052345	3.184478	0.052046	
TOTAL				1.902589					2.548037			2.871719
DL1												
89	11837	5.135	0.60	0.609233	0.609233	0.031284	0.60	0.609233	0.031284	0.507694	0.026070	
88	35511	6.426	0.60	0.627699	0.627699	0.040337	0.60	0.627699	0.040337	0.523082	0.033614	
87	57729	9.508	0.60	0.645029	0.645029	0.061330	0.60	0.645029	0.061330	0.537524	0.051108	
86	77514	12.662	0.60	0.660461	0.660461	0.083624	0.60	0.660461	0.083624	0.550384	0.069687	
85	95751	11.352	0.60	0.674686	0.674686	0.076591	0.60	0.674686	0.076591	0.562238	0.063826	
84	113063	7.256	0.60	0.688189	0.688189	0.049932	0.60	0.688189	0.049932	0.573491	0.041610	
83	129990	7.401	0.60	0.701392	0.701392	0.051910	0.60	0.701392	0.051910	0.584494	0.043259	
82	146411	6.850	0.60	0.714201	0.714201	0.048925	0.60	0.714201	0.048925	0.595167	0.040771	
81	162239	5.921	0.60	0.726546	0.726546	0.043022	0.60	0.726546	0.043022	0.605455	0.035851	
80	178078	5.121	0.60	0.738901	0.738901	0.037838	0.60	0.738901	0.037838	0.615751	0.031532	
79	192983	4.191	0.60	0.750527	0.750527	0.031457	0.60	0.750527	0.031457	0.625439	0.026214	
78	206997	3.188	0.60	0.761458	0.761458	0.024272	0.60	0.761458	0.024272	0.634548	0.020227	
77	220299	4.590	0.60	0.771833	0.771833	0.035427	0.60	0.771833	0.035427	0.643194	0.029523	
76	232726	4.364	0.60	0.781526	0.781526	0.034108	0.60	0.781526	0.034108	0.651272	0.028423	
75	244889	4.400	0.60	0.791013	0.791013	0.034807	0.60	0.791013	0.034807	0.659178	0.029006	
<75	281112	1.634	0.60	0.819267	0.819267	0.013390	0.60	0.819267	0.013390	0.682723	0.011158	
TOTAL				0.698255					0.698255			0.581879

NOX1989.XLS

Reg.year	Acc. dr. length	Trafficwork (%)		V=30		V=60		V=80						
		Acc. dr. length	Trafficwork (%)	NU	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	NU	q(basis)	q(aging)	q(weighted)
DHLL														
89	12800	5.909	8.58	8.612947	0.508953	6.12	6.143501	6.63	6.655459	0.393282	6.63	6.630229	0.649506	
88	38400	9.796	8.58	8.678842	0.850190	6.12	6.190502	6.63	6.630229	0.649506	6.63	6.630229	0.649506	
87	64000	14.313	8.58	8.744736	1.251613	6.12	6.237504	6.63	6.630229	0.649506	6.63	6.630229	0.649506	
86	89600	17.279	8.58	8.810630	1.522428	6.12	6.284506	6.63	6.630229	0.649506	6.63	6.630229	0.649506	
85	113375	11.734	8.58	8.871827	1.041023	6.12	6.328157	6.63	6.630229	0.649506	6.63	6.630229	0.649506	
84	133500	7.675	8.58	8.923629	0.684891	6.12	6.365106	6.63	6.630229	0.649506	6.63	6.630229	0.649506	
83	149975	6.105	8.58	8.966036	0.547349	6.12	6.395354	6.63	6.630229	0.649506	6.63	6.630229	0.649506	
82	162775	5.217	8.58	8.998983	0.469516	6.12	6.418855	6.63	6.630229	0.649506	6.63	6.630229	0.649506	
81	173725	4.578	8.58	9.027168	0.413286	6.12	6.438959	6.63	6.630229	0.649506	6.63	6.630229	0.649506	
80	184675	4.111	8.58	9.055353	0.372225	6.12	6.459063	6.63	6.630229	0.649506	6.63	6.630229	0.649506	
79	192650	0.963	8.58	9.075881	0.087445	6.12	6.473705	6.63	6.630229	0.649506	6.63	6.630229	0.649506	
78	197650	0.986	8.58	9.088751	0.089603	6.12	6.482885	6.63	6.630229	0.649506	6.63	6.630229	0.649506	
77	202650	1.244	8.58	9.101621	0.113266	6.12	6.492065	6.63	6.630229	0.649506	6.63	6.630229	0.649506	
76	207650	1.244	8.58	9.114491	0.113426	6.12	6.501245	6.63	6.630229	0.649506	6.63	6.630229	0.649506	
75	212650	1.244	8.58	9.127361	0.113586	6.12	6.510425	6.63	6.630229	0.649506	6.63	6.630229	0.649506	
<75	230150	7.600	8.58	9.172406	0.697083	6.12	6.542555	6.63	6.630229	0.649506	6.63	6.630229	0.649506	
TOTAL					8.875884									
DHLM														
89	24350	5.909	14.52	14.626069	0.864278	12.88	12.974088	11.25	11.332181	0.669637	11.25	11.332181	0.669637	
88	73050	9.796	14.52	14.838206	1.453570	12.88	13.162265	11.25	11.496544	1.126216	11.25	11.496544	1.126216	
87	12175	14.313	14.52	14.573034	2.085803	12.88	12.927044	11.25	11.291091	1.616067	11.25	11.291091	1.616067	
86	170450	17.279	14.52	15.262480	2.637272	12.88	13.538619	11.25	11.825269	2.043341	11.25	11.825269	2.043341	
85	215700	11.734	14.52	15.459589	1.814033	12.88	13.713465	11.25	11.977988	1.405501	11.25	11.977988	1.405501	
84	254000	7.675	14.52	15.626424	1.199332	12.88	13.861456	11.25	12.107250	0.929234	11.25	12.107250	0.929234	
83	285350	6.105	14.52	15.762985	0.962282	12.88	13.982592	11.25	12.213056	0.745570	11.25	12.213056	0.745570	
82	309750	5.217	14.52	15.869271	0.827969	12.88	14.076874	11.25	12.295406	0.641505	11.25	12.295406	0.641505	
81	330650	4.578	14.52	15.960311	0.730702	12.88	14.157632	11.25	12.365944	0.566143	11.25	12.365944	0.566143	
80	351550	4.111	14.52	16.051352	0.659798	12.88	14.238389	11.25	12.436481	0.511208	11.25	12.436481	0.511208	
79	364500	0.963	14.52	16.107762	0.155197	12.88	14.288428	11.25	12.480188	0.120246	11.25	12.480188	0.120246	
78	369500	0.986	14.52	16.129542	0.159016	12.88	14.307748	11.25	12.497063	0.123205	11.25	12.497063	0.123205	
77	374500	1.244	14.52	16.151322	0.200997	12.88	14.327068	11.25	12.513938	0.155731	11.25	12.513938	0.155731	
76	379500	1.244	14.52	16.173102	0.201268	12.88	14.346388	11.25	12.530813	0.155941	11.25	12.530813	0.155941	
75	384500	1.244	14.52	16.194882	0.201539	12.88	14.365708	11.25	12.547688	0.156151	11.25	12.547688	0.156151	
<75	402000	7.600	14.52	16.271112	1.236570	12.88	14.433328	11.25	12.606750	0.958086	11.25	12.606750	0.958086	
TOTAL					15.389626									

NOX1989.XLS

Reg.year	Acc. dr. length	Trafficwork (%)			V=60			V=80		
		Acc. dr. length	Trafficwork (%)	NU	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)
DHLH										
89	24350	5.909	15.64	15.754250	0.930944	14.85	14.958479	12.22	12.309267	0.727374
88	73050	9.796	15.64	15.982751	1.565691	14.85	15.175438	12.22	12.487801	1.223321
87	12175	14.313	15.64	15.697125	2.246692	14.85	14.904240	12.22	12.264634	1.755408
86	170450	17.279	15.64	16.439751	2.840698	14.85	15.609355	12.22	12.844870	2.219523
85	215700	11.734	15.64	16.652064	1.953958	14.85	15.810944	12.22	13.010756	1.526686
84	254000	7.675	15.64	16.831768	1.291842	14.85	15.981570	12.22	13.151164	1.009355
83	285350	6.105	15.64	16.978862	1.036507	14.85	16.121234	12.22	13.266093	0.809854
82	309750	5.217	15.64	17.093347	0.891834	14.85	16.222936	12.22	13.355544	0.696817
81	330650	4.578	15.64	17.191410	0.787065	14.85	16.323046	12.22	13.432163	0.614957
80	351550	4.111	15.64	17.289473	0.710692	14.85	16.416155	12.22	13.508782	0.555285
79	364500	0.963	15.64	17.350234	0.167168	14.85	16.473848	12.22	13.556257	0.130614
78	369500	0.986	15.64	17.373694	0.171282	14.85	16.496123	12.22	13.574587	0.133828
77	374500	1.244	15.64	17.397154	0.216501	14.85	16.518398	12.22	13.592917	0.169158
76	379500	1.244	15.64	17.420614	0.216793	14.85	16.540673	12.22	13.611247	0.169387
75	384500	1.244	15.64	17.444074	0.217085	14.85	16.562948	12.22	13.629577	0.169615
<75	402000	7.600	15.64	17.526184	1.331952	15.18	17.010708	12.22	13.693732	1.040694
TOTAL					16.576704					15.767494
DHB										
89	24000	5.909	17.60	17.726720	1.047500	11.00	11.079200	11.00	11.079200	0.654688
88	72000	9.796	17.60	17.980160	1.761359	11.00	11.237600	11.00	11.237600	1.100850
87	120000	14.313	17.60	18.233600	2.609731	11.00	11.396000	11.00	11.396000	1.631082
86	168000	17.279	17.60	18.487040	3.194459	11.00	11.554400	11.00	11.554400	1.996537
85	216000	11.734	17.60	18.740480	2.199013	11.00	11.712800	11.00	11.712800	1.374383
84	261800	7.675	17.60	18.982304	1.456897	11.00	11.863940	11.00	11.863940	0.910560
83	303200	6.105	17.60	19.200896	1.172156	11.00	12.000560	11.00	12.000560	0.732597
82	340200	5.217	17.60	19.396256	1.011987	11.00	12.122660	11.00	12.122660	0.632492
81	372800	4.578	17.60	19.568384	0.895889	11.00	12.230240	11.00	12.230240	0.559930
80	401000	4.111	17.60	19.717280	0.810488	11.00	12.323300	11.00	12.323300	0.506555
79	424800	0.963	17.60	19.842944	0.191185	11.00	12.401840	11.00	12.401840	0.119491
78	443200	0.986	17.60	19.940096	0.196584	11.00	12.462560	11.00	12.462560	0.122865
77	457200	1.244	17.60	20.014016	0.249066	11.00	12.508760	11.00	12.508760	0.155667
76	468800	1.244	17.60	20.075264	0.249829	11.00	12.547040	11.00	12.547040	0.156143
75	478000	1.244	17.60	20.123840	0.250433	11.00	12.577400	11.00	12.577400	0.156521
<75	497000	7.600	17.60	20.224160	1.536993	11.00	12.640100	11.00	12.640100	0.960620
TOTAL					18.833569					11.770981

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CORINAIR		Trafficwork (%)		V=30		V=60		V=80	
Regår	Acc. dr. length			q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)
BL1									
89	9106	5.135	0.21	0.010911	0.212486	0.010911	0.26	0.263078	0.013509
88	27317	6.426	1.94	0.129095	2.008893	0.129095	2.53	2.619846	0.168356
87	44407	9.508	1.94	0.195106	2.051994	0.195106	2.53	2.676055	0.254442
86	59627	12.662	1.94	0.264674	2.090379	0.264674	2.53	2.726113	0.345168
85	73655	11.352	1.94	0.241318	2.125758	0.241318	2.53	2.772251	0.314708
84	86951	7.256	1.74	0.140519	1.936683	0.140519	2.43	2.704678	0.196242
83	99993	7.401	1.74	0.145518	1.966184	0.145518	2.34	2.644179	0.195696
82	112624	6.850	1.74	0.136648	1.994755	0.136648	2.34	2.682602	0.183768
81	124841	5.921	1.74	0.119753	2.022390	0.119753	2.34	2.719766	0.161048
80	136983	5.121	1.74	0.104971	2.049856	0.104971	2.34	2.756702	0.141168
79	148449	4.191	1.60	0.080002	1.908774	0.080002	1.17	1.395791	0.058502
78	159229	3.188	1.60	0.061558	1.931196	0.061558	1.17	1.412187	0.045014
77	169461	4.590	2.00	0.112024	2.440599	0.112024	2.56	3.123966	0.143391
76	179020	4.364	2.00	0.107599	2.465452	0.107599	2.56	3.155779	0.137727
75	188377	4.400	2.00	0.109559	2.489780	0.109559	2.56	3.186919	0.140235
<75	216240	1.634	2.00	0.041876	2.562224	0.041876	2.56	3.279647	0.053602
TOTAL				2.001132					2.552576
DL1									
Regyear	Acc. dr. length	Trafficwork (%)	V=30		V=60		V=80		
			q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	q(basis)
89	23674	5.135	1.60	1.649242	0.084687	1.20	1.236931	0.063515	1.25
88	35511	6.426	1.60	1.673863	0.107565	1.20	1.255397	0.080674	1.25
87	57729	9.508	1.60	1.720076	0.163547	1.20	1.290057	0.122660	1.25
86	77514	12.662	1.60	1.761229	0.222999	1.20	1.320922	0.167249	1.25
85	95751	11.352	1.60	1.799162	0.204242	1.20	1.349372	0.153182	1.25
84	113063	7.256	1.60	1.835171	0.133153	1.20	1.376378	0.099865	1.25
83	129990	7.401	1.60	1.870379	0.138427	1.20	1.402784	0.103821	1.25
82	146411	6.850	1.60	1.904535	0.130468	1.20	1.428401	0.097851	1.25
81	162239	5.921	1.60	1.937457	0.114724	1.20	1.453093	0.086043	1.25
80	178078	5.121	1.60	1.970402	0.100902	1.20	1.477802	0.075677	1.25
79	192983	4.191	1.60	2.001405	0.083885	1.20	1.501053	0.062914	1.25
78	206997	3.188	1.60	2.030554	0.064725	1.20	1.522915	0.048544	1.25
77	220299	4.590	1.60	2.058222	0.094473	1.20	1.543666	0.070855	1.25
76	232726	4.364	1.60	2.084070	0.090955	1.20	1.563053	0.068216	1.25
75	244889	4.400	1.60	2.109369	0.092819	1.20	1.582027	0.069615	1.25
<75	281112	1.634	1.60	2.184713	0.035706	1.20	1.638535	0.026780	1.25
TOTAL					1.863278			1.397459	1.455686

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CORINAIR											
Reg.year	Acc. dr. length	Trafficwork (%)	V=30			V=60			V=80		
DL2			q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)
89	22764	5.135	1.60	1.636422	0.084029	1.20	1.227317	0.063021	1.25	1.278455	0.065647
88	34146	6.426	1.60	1.654634	0.106330	1.20	1.240975	0.079747	1.25	1.292683	0.083070
87	55509	9.508	1.60	1.688814	0.160574	1.20	1.266611	0.120431	1.25	1.319386	0.125449
86	74533	12.662	1.60	1.719253	0.217684	1.20	1.289440	0.163263	1.25	1.343166	0.170065
85	92068	11.352	1.60	1.747309	0.198356	1.20	1.310482	0.148767	1.25	1.365085	0.154965
84	108688	7.256	1.60	1.773901	0.128708	1.20	1.330426	0.096531	1.25	1.385860	0.100553
83	124991	7.401	1.60	1.799986	0.133217	1.20	1.349989	0.099913	1.25	1.406239	0.104076
82	140780	6.850	1.60	1.825248	0.125036	1.20	1.368936	0.093777	1.25	1.425975	0.097685
81	156051	5.921	1.60	1.849682	0.109527	1.20	1.387261	0.082145	1.25	1.445064	0.085568
80	171229	5.121	1.60	1.873966	0.095964	1.20	1.405475	0.071973	1.25	1.464036	0.074972
79	185561	4.191	1.60	1.896898	0.079505	1.20	1.422673	0.059628	1.25	1.481951	0.062113
78	199036	3.188	1.60	1.918458	0.061152	1.20	1.438843	0.045864	1.25	1.498795	0.047775
77	211826	4.590	1.60	1.938922	0.088997	1.20	1.454191	0.066748	1.25	1.514783	0.069529
76	223775	4.364	1.60	1.958040	0.085454	1.20	1.468530	0.064091	1.25	1.529719	0.066761
75	235471	4.400	1.60	1.976754	0.086984	1.20	1.482565	0.065238	1.25	1.544339	0.067956
<75	270300	1.634	1.60	2.032480	0.033218	1.20	1.524360	0.024914	1.25	1.587875	0.025952
TOTAL					1.794735			1.346051			1.402136
CORINAIR											
Reg.year	Acc. dr. length	Trafficwork (%)	V=30			V=60			V=80		
DL3			q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)
89	11382	5.135	1.60	1.618211	0.083094	1.20	1.213658	0.062320	1.25	1.264228	0.064917
88	34146	6.426	1.60	1.654634	0.106330	1.20	1.240975	0.079747	1.25	1.292683	0.083070
87	55509	9.508	1.60	1.688814	0.160574	1.20	1.266611	0.120431	1.25	1.319386	0.125449
86	74533	12.662	1.60	1.719253	0.217684	1.20	1.289440	0.163263	1.25	1.343166	0.170065
85	92068	11.352	1.60	1.747309	0.198356	1.20	1.310482	0.148767	1.25	1.365085	0.154965
84	108688	7.256	1.60	1.773901	0.128708	1.20	1.330426	0.096531	1.25	1.385860	0.100553
83	124991	7.401	1.60	1.799986	0.133217	1.20	1.349989	0.099913	1.25	1.406239	0.104076
82	140780	6.850	1.60	1.825248	0.125036	1.20	1.368936	0.093777	1.25	1.425975	0.097685
81	156051	5.921	1.60	1.849682	0.109527	1.20	1.387261	0.082145	1.25	1.445064	0.085568
80	171229	5.121	1.60	1.873966	0.095964	1.20	1.405475	0.071973	1.25	1.464036	0.074972
79	185561	4.191	1.60	1.896898	0.079505	1.20	1.422673	0.059628	1.25	1.481951	0.062113
78	199036	3.188	1.60	1.918458	0.061152	1.20	1.438843	0.045864	1.25	1.498795	0.047775
77	211826	4.590	1.60	1.938922	0.088997	1.20	1.454191	0.066748	1.25	1.514783	0.069529
76	223775	4.364	1.60	1.958040	0.085454	1.20	1.468530	0.064091	1.25	1.529719	0.066761
75	235471	4.400	1.60	1.976754	0.086984	1.20	1.482565	0.065238	1.25	1.544339	0.067956
<75	270300	1.634	1.60	2.032480	0.033218	1.20	1.524360	0.024914	1.25	1.587875	0.025952
TOTAL					1.793800			1.345350			1.401406

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CORINAIR		Trafficwork (%)		V=30		V=60		V=80	
Reg.year	Acc. dr. length			q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)
DHLL									
89	12800	5.909		6.86	6.886342	0.406925	6.86	6.886342	0.406925
88	38400	9.796		6.86	6.939027	0.679756	6.86	6.939027	0.679756
87	64000	14.313		6.86	6.991712	1.000707	6.86	6.991712	1.000707
86	89600	17.279		6.86	7.044397	1.217233	6.86	7.044397	1.217233
85	113375	11.734		6.86	7.093326	0.832333	6.86	7.093326	0.832333
84	133500	7.675		8.70	9.048435	0.694470	7.40	7.696370	0.590698
83	149975	6.105		8.70	9.091435	0.555004	7.40	7.732945	0.472073
82	162775	5.217		8.70	9.124843	0.476083	7.40	7.761361	0.404944
81	173725	4.578		8.70	9.153422	0.419066	7.40	7.785670	0.356447
80	184675	4.111		8.70	9.182002	0.377431	7.40	7.809979	0.321033
79	192650	0.963		8.70	9.202817	0.088669	7.40	7.827683	0.075419
78	197650	0.986		8.70	9.215867	0.090857	7.40	7.838783	0.077280
77	202650	1.244		8.70	9.228917	0.114850	7.40	7.849883	0.097689
76	207650	1.244		8.70	9.241967	0.115013	7.40	7.860983	0.097827
75	212650	1.244		8.70	9.255017	0.115175	7.40	7.872083	0.097965
<75	230150	7.600		8.70	9.300692	0.706833	7.40	7.910933	0.601214
TOTAL						7.890402			7.329542
CORINAIR		Trafficwork (%)		V=30		V=60		V=80	
Reg.year	Acc. dr. length			q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)
DHLM									
89	24350	5.909		14.24	14.344023	0.847611	13.50	14.344023	0.847611
88	73050	9.796		14.24	14.552070	1.425539	13.50	14.552070	1.425539
87	12175	14.313		14.24	14.292012	2.045581	13.50	14.292012	2.045581
86	170450	17.279		14.24	14.968162	2.586416	13.50	14.968162	2.586416
85	215700	11.734		14.24	15.161470	1.779051	13.50	15.161470	1.779051
84	254000	7.675		16.20	17.434440	1.338098	13.50	15.927760	1.222460
83	285350	6.105		16.20	17.586801	1.073620	13.50	16.066954	0.980638
82	309750	5.217		16.20	17.705385	0.923767	13.50	16.175290	0.843935
81	330650	4.578		16.20	17.806959	0.815246	13.50	16.268086	0.744793
80	351550	4.111		16.20	17.908533	0.736139	13.50	16.360882	0.672522
79	364500	0.963		16.20	17.971470	0.173154	13.50	16.418380	0.158190
78	369500	0.986		16.20	17.995770	0.177415	13.50	16.440580	0.162083
77	374500	1.244		16.20	18.020070	0.224253	13.50	16.462780	0.204873
76	379500	1.244		16.20	18.044370	0.224555	13.50	16.484980	0.205149
75	384500	1.244		16.20	18.068670	0.224857	13.50	16.507180	0.205425
<75	402000	7.600		16.20	18.153720	1.379644	13.50	16.584880	1.260415
TOTAL						15.974947			15.344882

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CORINAIR		Trafficwork (%)		V=30		V=60		V=80		
Reg.year	Acc. dr. length	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)
DHLH										
89	24350	14.24	14.344023	0.847611	14.24	14.344023	0.847611	13.50	13.500296	0.797754
88	73050	14.24	14.552070	1.425539	14.24	14.552070	1.425539	13.50	13.500888	1.322564
87	12175	14.24	14.292012	2.045581	14.24	14.292012	2.045581	13.50	13.500148	1.932244
86	170450	14.24	14.968162	2.586416	14.24	14.968162	2.586416	13.50	13.502071	2.330083
85	215700	14.24	15.161470	1.779051	14.24	15.161470	1.779051	13.50	13.502621	1.584401
84	254000	16.20	17.434440	1.398098	14.80	15.927760	1.222460	13.50	13.503086	1.036365
83	285350	16.20	17.586801	1.073620	14.80	16.066954	0.980838	13.50	13.503467	0.824345
82	309750	16.20	17.705385	0.923767	14.80	16.175290	0.843935	13.50	13.503763	0.704550
81	330650	16.20	17.806959	0.815246	14.80	16.268086	0.744793	13.50	13.504017	0.618247
80	351550	16.20	17.908533	0.736139	14.80	16.360882	0.672522	13.50	13.504271	0.555100
79	364500	16.20	17.971470	0.173154	14.80	16.418380	0.158190	13.50	13.504429	0.130114
78	369500	16.20	17.995770	0.177415	14.80	16.440580	0.162083	13.50	13.504489	0.133137
77	374500	16.20	18.020070	0.224253	14.80	16.462780	0.204873	13.50	13.504550	0.168059
76	379500	16.20	18.044370	0.224555	14.80	16.484980	0.205149	13.50	13.504611	0.168060
75	384500	16.20	18.068670	0.224857	14.80	16.507180	0.205425	13.50	13.504672	0.168060
<75	402000	16.20	18.153720	1.379644	14.80	16.584880	1.260415	13.50	13.504884	1.026342
TOTAL				15.974947			15.344882			13.502426
Reg.year		Trafficwork (%)		V=30		V=60		V=80		
DHB	Acc. dr. length	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)
89	24000	16.50	16.618800	0.982031	18.20	18.331040	1.083210	13.90	13.90	1.083210
88	72000	16.50	16.856400	1.651274	18.20	18.593120	1.821406	13.90	13.90	1.821406
87	120000	16.50	17.094000	2.446623	18.20	18.855200	2.698699	13.90	13.90	2.698699
86	168000	16.50	17.331600	2.994805	18.20	19.117280	3.303361	13.90	13.90	3.303361
85	216000	16.50	17.569200	2.061575	18.20	19.379360	2.273980	13.90	13.90	2.273980
84	261800	16.50	17.795910	1.365841	18.20	19.629428	1.506564	13.90	13.90	1.506564
83	303200	16.50	18.000840	1.098896	18.20	19.855472	1.212116	13.90	13.90	1.212116
82	340200	16.50	18.183990	0.948738	18.20	20.057492	1.046486	13.90	13.90	1.046486
81	372800	16.50	18.345360	0.839896	18.20	20.235488	0.926430	13.90	13.90	0.926430
80	401000	16.50	18.484950	0.759833	18.20	20.389460	0.838119	13.90	13.90	0.838119
79	424800	16.50	18.602760	0.179236	18.20	20.519408	0.197703	13.90	13.90	0.197703
78	443200	16.50	18.693840	0.184297	18.20	20.619872	0.203285	13.90	13.90	0.203285
77	457200	16.50	18.763140	0.233500	18.20	20.696312	0.257557	13.90	13.90	0.257557
76	468800	16.50	18.820560	0.234214	18.20	20.759648	0.258346	13.90	13.90	0.258346
75	478000	16.50	18.866100	0.234781	18.20	20.809880	0.258971	13.90	13.90	0.258971
<75	497000	16.50	18.960150	1.440931	18.20	20.913620	1.589390	13.90	13.90	1.589390
TOTAL				17.656471			19.475623			

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BL1

	NU	CORINAIR	NOXCO
30	1.90	2.00	2.38
60	2.55	2.55	2.88
80	2.87	2.96	3.3

DL3

	NU	CORINAIR	NOXCO
30	1.12	1.79	0.72
60	1.01	1.35	0.76
80	0.84	1.40	0.9

DHLH

	NU	CORINAIR	NOXCO
30	16.58	15.97	29.88
60	15.77	15.34	11.95
80	12.95	13.50	12.5

DL1

	NU	CORINAIR	NOXCO
30	0.70	1.86	0.72
60	0.70	1.40	0.76
80	0.58	1.46	0.9

DHLL

	NU	CORINAIR	NOXCO
30	8.88	7.89	7.56
60	6.33	7.33	5.29
80	6.63	6.00	4.55

DHB

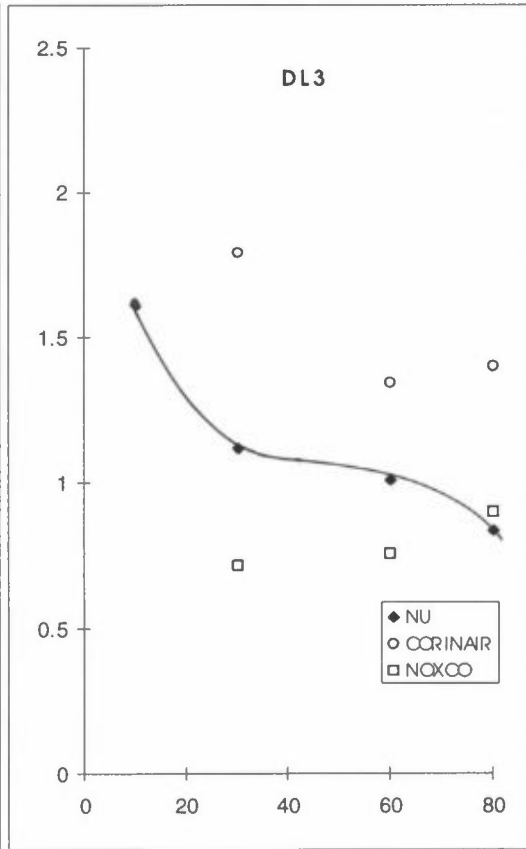
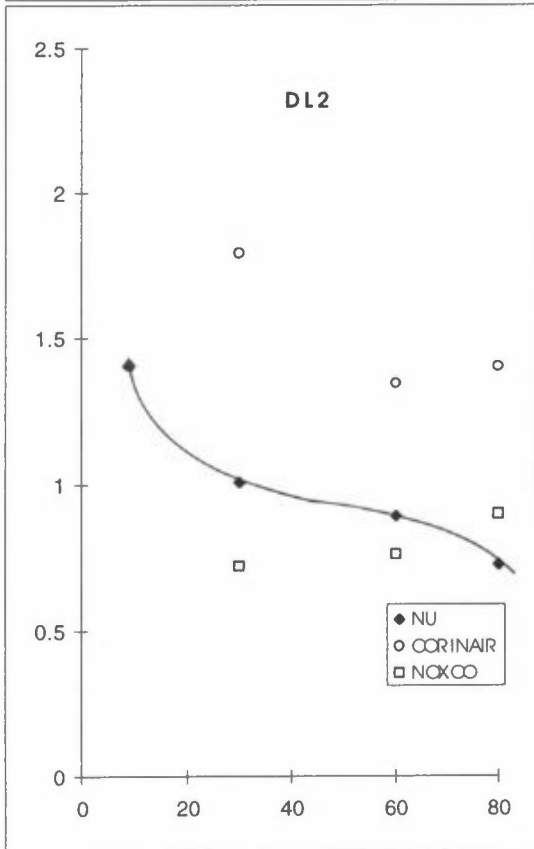
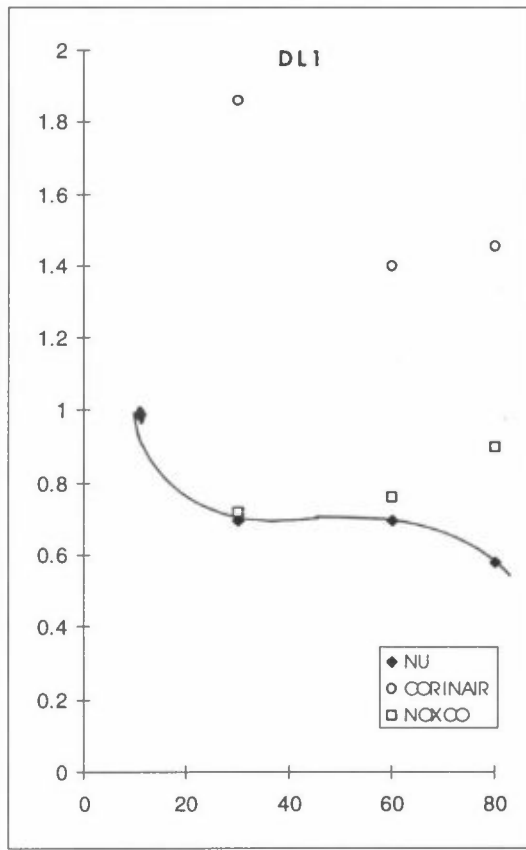
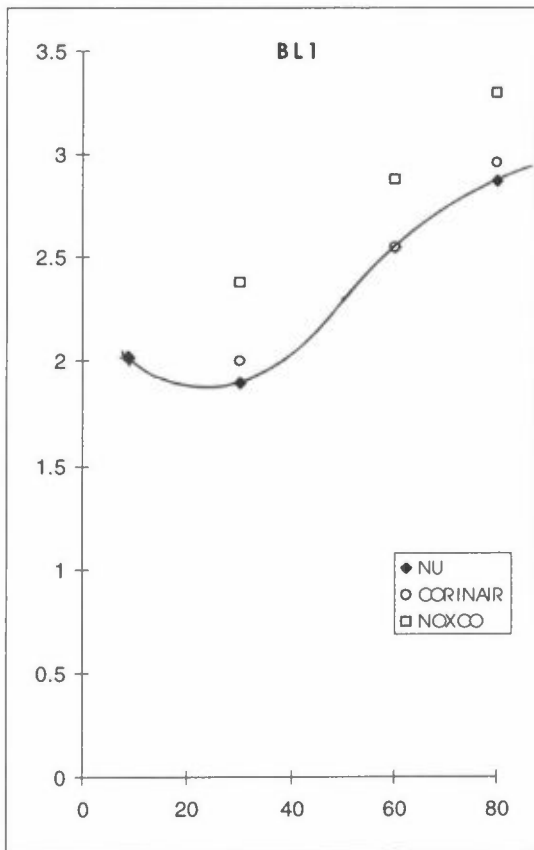
	NU	CORINAIR	NOXCO
30	18.83	17.66	14.76
60	11.77	19.48	7.82
80			8

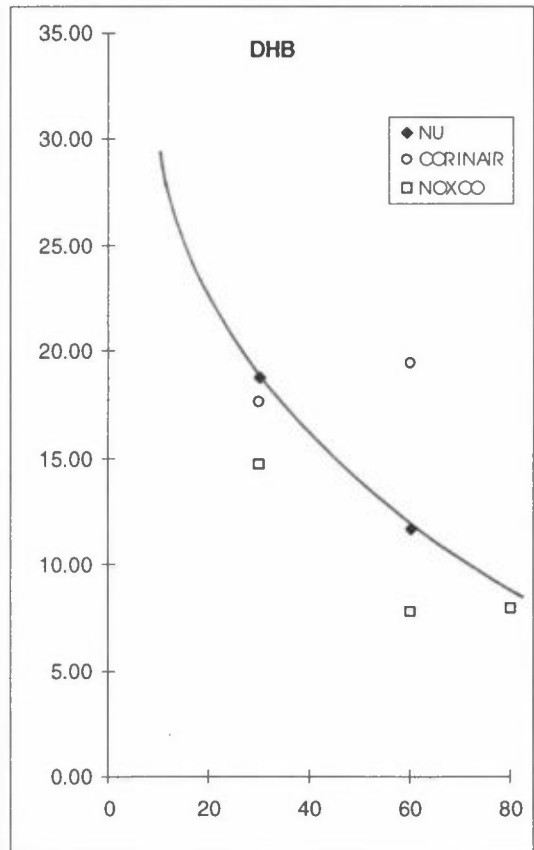
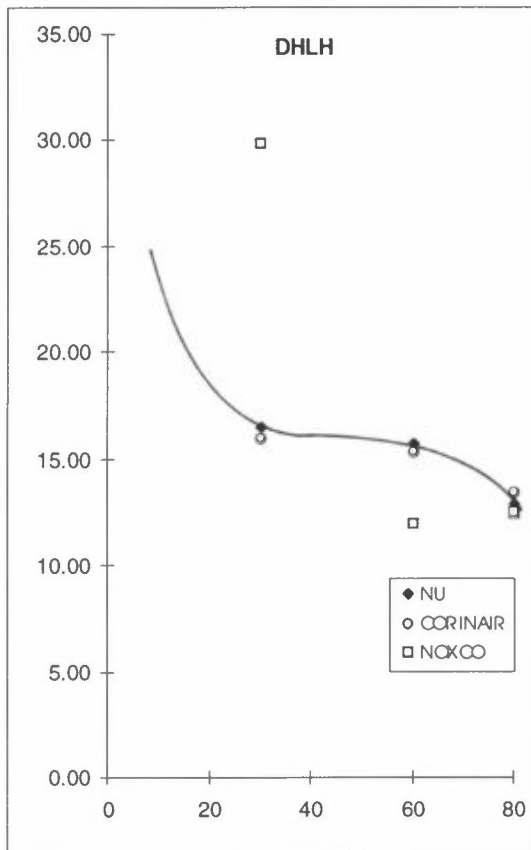
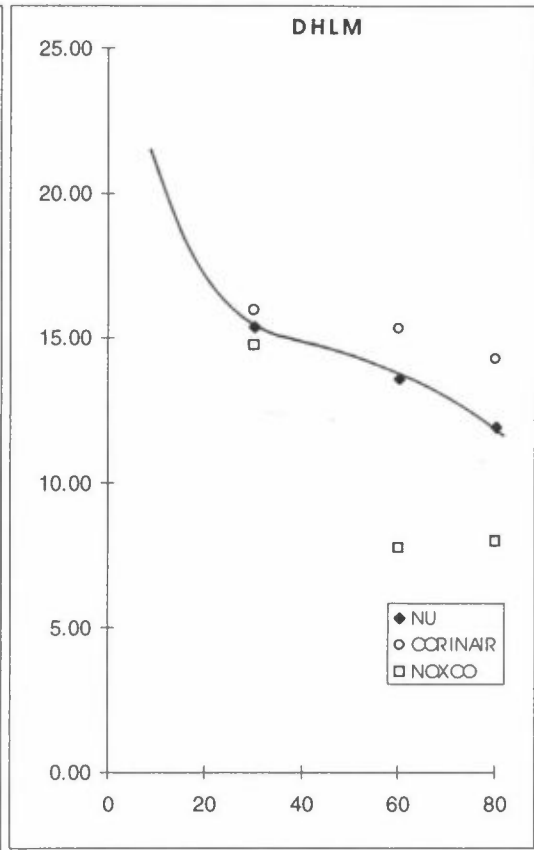
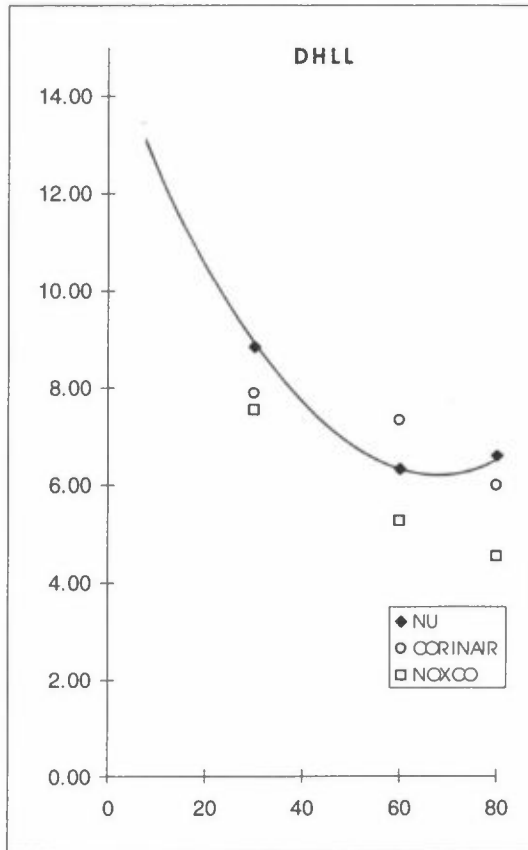
DL2

	NU	CORINAIR	NOXCO
30	1.01	1.79	0.72
60	0.90	1.35	0.76
80	0.73	1.40	0.9

DHLM

	NU	CORINAIR	NOXCO
30	15.39	15.97	14.76
60	13.65	15.34	7.82
80	11.92	14.31	8





Appendix F:

**Emission factors (g/km) for CO from National
Emission Model (NU) for the years 1993, 1998,
2003 and 2008. Emission curves for
ROADAIR 3.11**

CO 1993								
	10	20	30	40	50	60	70	80
BL1	37.2	26.8	18.5	13.0	10.4	8.9	8.5	8.2
DL1	2.3	1.3	0.9	0.8	0.7	0.6	0.5	0.5
DL2	2.7	1.5	1.1	1.0	0.9	0.8	0.7	0.6
DL3	3.3	2.0	1.4	1.2	1.0	0.9	0.8	0.7
DHLL	13.0	10.3	8.6	7.0	5.4	4.1	3.5	3.4
DHLM	20.2	14.1	9.8	7.4	6.0	5.0	4.4	4.0
DHLH	15.9	11.6	10.0	8.7	7.3	6.2	4.8	3.6
DHB	19.3	12.6	8.4	5.7	4.2	3.0	2.0	1.5
CO 1998								
BL1	23.1	15.0	11.5	8.5	6.5	5.5	5.3	5.1
DL1	2.2	1.3	0.9	0.8	0.7	0.6	0.5	0.4
DL2	2.8	1.7	1.2	1.0	0.8	0.8	0.7	0.6
DL3	3.3	1.9	1.4	1.2	1.0	0.9	0.8	0.7
DHLL	8.2	6.8	5.4	4.3	3.2	2.6	2.4	2.2
DHLM	17.3	12.0	7.5	5.3	4.4	3.8	3.5	3.0
DHLH	11.2	8.6	7.0	6.0	5.2	4.4	3.4	2.8
DHB	15.1	9.8	6.1	4.6	3.2	2.4	2.0	1.6
CO 2003								
BL1	11.0	7.1	5.5	4.1	3.1	2.6	2.5	2.4
DL1	2.1	1.3	0.9	0.7	0.6	0.5	0.5	0.4
DL2	2.7	1.6	1.1	0.9	0.8	0.7	0.6	0.5
DL3	3.2	1.9	1.3	1.1	0.9	0.8	0.7	0.6
DHLL	5.8	4.7	3.7	2.8	2.2	1.8	1.6	1.5
DHLM	12.0	7.5	5.2	3.8	3.0	2.6	2.3	2.1
DHLH	7.1	5.5	4.5	3.8	3.2	2.8	2.3	1.8
DHB	9.8	6.5	4.3	3.0	2.2	1.7	1.2	1.0
CO 2008								
BL1	1.9	1.3	1.0	0.8	0.7	0.6	0.6	0.5
DL1	2.0	1.2	0.8	0.6	0.5	0.5	0.4	0.4
DL2	2.6	1.7	1.1	0.8	0.7	0.6	0.6	0.5
DL3	3.1	1.9	1.3	1.0	0.9	0.7	0.6	0.6
DHLL	4.8	4.0	3.2	2.5	1.8	1.5	1.4	1.3
DHLM	11.7	7.6	5.1	3.8	3.0	2.5	2.2	2.0
DHLH	6.7	5.3	4.2	3.4	3.0	2.6	2.3	1.7
DHB	9.9	6.4	4.3	3.2	2.4	1.7	1.2	0.9

CO1993.xls

Reg. year	Acc. dr. length	Trafficwork (%)			V=30			V=60			V=80		
		Acc. dr. length	q(basis)	NU	q(aging)	q(weighthed)	q(basis)	NU	q(aging)	q(weighthed)	q(basis)	NU	q(aging)
BL1													
93	9106	6.238	0.13	0.131539	0.008206	0.22	0.222604	0.013887	0.12	0.121421	0.007575		
92	27317	6.238	0.13	0.134617	0.008398	0.22	0.227813	0.014212	0.12	0.124261	0.007752		
91	44407	2.197	0.14	0.148082	0.003254	0.25	0.264432	0.005810	0.15	0.158659	0.003486		
90	59627	4.745	0.54	0.581858	0.027610	0.74	0.797361	0.037836	0.70	0.754261	0.035791		
89	73655	3.959	0.50	0.547876	0.021693	0.70	0.767026	0.030370	0.63	0.690323	0.027333		
88	86951	4.743	17.00	18.921617	0.897418	8.00	8.904290	0.422314	8.00	8.904290	0.422314		
87	99993	8.048	17.00	19.209845	1.545948	8.00	9.039927	0.727505	8.00	9.039927	0.727505		
86	112624	11.019	17.00	19.488990	2.147502	8.00	9.171290	1.010589	8.00	9.171290	1.010589		
85	124841	10.577	17.00	19.758986	2.089891	8.00	9.298346	0.983478	8.00	9.298346	0.983478		
84	136983	6.940	21.00	24.739636	1.716909	9.00	10.602701	0.735818	8.00	9.424623	0.654061		
83	148449	6.372	21.00	25.052658	1.596267	9.00	10.736853	0.684114	8.00	9.543870	0.608102		
82	159229	6.197	21.00	25.346952	1.570788	9.00	10.862979	0.673195	8.00	9.655982	0.598395		
81	169461	4.896	21.00	25.626285	1.254703	9.00	10.982694	0.537730	8.00	9.762394	0.477982		
80	179020	4.097	21.00	25.887246	1.060670	9.00	11.094534	0.454573	8.00	9.861808	0.404065		
79	188377	3.735	22.00	27.387582	1.023006	12.00	14.938681	0.558003	8.00	9.959121	0.372002		
<79	216240	9.997	27.43	35.140902	3.513209	15.71	20.126270	2.012122	14.86	19.037324	1.903255		
TOTAL					18.485470			8.901556			8.243684		
DL1													
93	11837	6.238	0.70	0.710772	0.044341	0.40	0.406155	0.025338	0.30	0.304616	0.019003		
92	35511	6.238	0.70	0.732315	0.045685	0.40	0.418466	0.026106	0.30	0.313849	0.019579		
91	57729	2.197	0.70	0.752533	0.016535	0.40	0.430019	0.009449	0.30	0.322514	0.007087		
90	77514	4.745	0.80	0.880615	0.041787	0.50	0.550384	0.026117	0.40	0.440307	0.020893		
89	95751	3.959	0.80	0.899581	0.035618	0.50	0.562238	0.022261	0.40	0.449791	0.017809		
88	113063	4.743	0.80	0.917586	0.043519	0.50	0.573491	0.027200	0.40	0.458793	0.021760		
87	129990	8.048	0.80	0.935190	0.075261	0.50	0.584494	0.047038	0.40	0.467595	0.037631		
86	146411	11.019	0.80	0.952267	0.104931	0.50	0.595167	0.065582	0.40	0.476134	0.052465		
85	162239	10.577	0.80	0.968729	0.102462	0.50	0.605455	0.064038	0.40	0.484364	0.051231		
84	178078	6.940	0.80	0.985201	0.068372	0.50	0.615751	0.042733	0.40	0.492601	0.034186		
83	192983	6.372	0.80	1.000702	0.063761	0.50	0.625439	0.039851	0.40	0.500351	0.031881		
82	206997	6.197	0.80	1.015277	0.062918	0.50	0.634548	0.039324	0.40	0.507638	0.031459		
81	220299	4.896	0.80	1.029111	0.050387	0.50	0.643194	0.031492	0.40	0.514555	0.025193		
80	232726	4.097	0.80	1.042035	0.042695	0.50	0.651272	0.026684	0.40	0.521018	0.021347		
79	244889	3.735	0.80	1.054685	0.039396	0.50	0.659178	0.024622	0.40	0.527342	0.019698		
<79	281112	9.997	0.80	1.092356	0.109208	0.50	0.682723	0.068255	0.40	0.546178	0.054604		
TOTAL					0.946875			0.586088			0.465826		

CO1993.xls

Reg. year	Acc. dr. length	Trafficwork (%)	V=30			V=60			V=80											
			q(basis)	q(aging)	q(weighed)	q(basis)	q(aging)	q(weighed)	q(basis)	q(aging)	q(weighed)									
DL2																				
93	11382	6.238	0.90	0.910244	0.056785	0.50	0.505691	0.031547	0.40	0.404553	0.025238	0.40	0.404553	0.025238	0.40	0.404553	0.025238	0.40	0.404553	0.025238
92	34146	6.238	1.00	1.034146	0.064514	0.70	0.723902	0.045160	0.50	0.517073	0.032257	0.50	0.517073	0.032257	0.50	0.517073	0.032257	0.50	0.517073	0.032257
91	55509	2.197	1.00	1.055509	0.023192	0.70	0.738856	0.016235	0.50	0.527755	0.011596	0.50	0.527755	0.011596	0.50	0.527755	0.011596	0.50	0.527755	0.011596
90	74533	4.745	1.00	1.074533	0.050989	0.70	0.752173	0.035692	0.50	0.537267	0.025494	0.50	0.537267	0.025494	0.50	0.537267	0.025494	0.50	0.537267	0.025494
89	92068	3.959	1.00	1.092068	0.043239	0.70	0.764448	0.030267	0.50	0.546034	0.021620	0.50	0.546034	0.021620	0.50	0.546034	0.021620	0.50	0.546034	0.021620
88	108688	4.743	1.00	1.108688	0.052583	0.70	0.776082	0.036808	0.50	0.554344	0.026292	0.50	0.554344	0.026292	0.50	0.554344	0.026292	0.50	0.554344	0.026292
87	124991	8.048	1.00	1.124991	0.090536	0.70	0.787494	0.063375	0.50	0.562496	0.045288	0.50	0.562496	0.045288	0.50	0.562496	0.045288	0.50	0.562496	0.045288
86	140780	11.019	1.00	1.140780	0.125703	0.70	0.798546	0.087992	0.50	0.570390	0.062852	0.50	0.570390	0.062852	0.50	0.570390	0.062852	0.50	0.570390	0.062852
85	156051	10.577	1.00	1.156051	0.122275	0.70	0.809236	0.085592	0.50	0.578026	0.061137	0.50	0.578026	0.061137	0.50	0.578026	0.061137	0.50	0.578026	0.061137
84	171229	6.940	1.00	1.171229	0.081282	0.70	0.819860	0.056898	0.50	0.585615	0.040641	0.50	0.585615	0.040641	0.50	0.585615	0.040641	0.50	0.585615	0.040641
83	185561	6.372	1.00	1.185561	0.075540	0.70	0.829893	0.052878	0.50	0.592781	0.037770	0.50	0.592781	0.037770	0.50	0.592781	0.037770	0.50	0.592781	0.037770
82	199036	6.197	1.00	1.199036	0.074306	0.70	0.839325	0.052014	0.50	0.599518	0.037153	0.50	0.599518	0.037153	0.50	0.599518	0.037153	0.50	0.599518	0.037153
81	211826	4.896	1.00	1.211826	0.059333	0.70	0.848278	0.041533	0.50	0.605913	0.029666	0.50	0.605913	0.029666	0.50	0.605913	0.029666	0.50	0.605913	0.029666
80	223775	4.097	1.00	1.223775	0.050141	0.70	0.856643	0.035099	0.50	0.611888	0.025071	0.50	0.611888	0.025071	0.50	0.611888	0.025071	0.50	0.611888	0.025071
79	235471	3.735	1.00	1.235471	0.046148	0.70	0.864830	0.032304	0.50	0.617736	0.023074	0.50	0.617736	0.023074	0.50	0.617736	0.023074	0.50	0.617736	0.023074
<79	270300	9.997	1.00	1.270300	0.126998	0.70	0.889210	0.088899	0.50	0.635150	0.063499	0.50	0.635150	0.063499	0.50	0.635150	0.063499	0.50	0.635150	0.063499
TOTAL					1.143584			0.792293			0.568627									
DL3																				
93	11382	6.238	1.10	1.112520	0.069403	0.60	0.606829	0.037856	0.45	0.455122	0.028392	0.45	0.455122	0.028392	0.45	0.455122	0.028392	0.45	0.455122	0.028392
92	34146	6.238	1.20	1.240975	0.077417	0.80	0.827317	0.051611	0.60	0.620488	0.038708	0.60	0.620488	0.038708	0.60	0.620488	0.038708	0.60	0.620488	0.038708
91	55509	2.197	1.20	1.266611	0.027831	0.80	0.844407	0.018554	0.60	0.633305	0.013915	0.60	0.633305	0.013915	0.60	0.633305	0.013915	0.60	0.633305	0.013915
90	74533	4.745	1.20	1.289440	0.061186	0.80	0.859626	0.040791	0.60	0.644720	0.030593	0.60	0.644720	0.030593	0.60	0.644720	0.030593	0.60	0.644720	0.030593
89	92068	3.959	1.20	1.310482	0.051887	0.80	0.873654	0.034591	0.60	0.655241	0.025944	0.60	0.655241	0.025944	0.60	0.655241	0.025944	0.60	0.655241	0.025944
88	108688	4.743	1.20	1.330426	0.063100	0.80	0.886950	0.042066	0.60	0.665213	0.031550	0.60	0.665213	0.031550	0.60	0.665213	0.031550	0.60	0.665213	0.031550
87	124991	8.048	1.20	1.349989	0.108643	0.80	0.899993	0.072429	0.60	0.674995	0.054321	0.60	0.674995	0.054321	0.60	0.674995	0.054321	0.60	0.674995	0.054321
86	140780	11.019	1.20	1.368936	0.150844	0.80	0.912624	0.100563	0.60	0.684468	0.075422	0.60	0.684468	0.075422	0.60	0.684468	0.075422	0.60	0.684468	0.075422
85	156051	10.577	1.20	1.387261	0.146729	0.80	0.924841	0.097820	0.60	0.693631	0.073365	0.60	0.693631	0.073365	0.60	0.693631	0.073365	0.60	0.693631	0.073365
84	171229	6.940	1.20	1.405475	0.097539	0.80	0.936983	0.065026	0.60	0.702737	0.048769	0.60	0.702737	0.048769	0.60	0.702737	0.048769	0.60	0.702737	0.048769
83	185561	6.372	1.20	1.422673	0.090648	0.80	0.948449	0.060432	0.60	0.711337	0.045324	0.60	0.711337	0.045324	0.60	0.711337	0.045324	0.60	0.711337	0.045324
82	199036	6.197	1.20	1.438843	0.089167	0.80	0.959229	0.059445	0.60	0.719422	0.044584	0.60	0.719422	0.044584	0.60	0.719422	0.044584	0.60	0.719422	0.044584
81	211826	4.896	1.20	1.454191	0.071199	0.80	0.969461	0.047466	0.60	0.727096	0.035600	0.60	0.727096	0.035600	0.60	0.727096	0.035600	0.60	0.727096	0.035600
80	223775	4.097	1.20	1.468530	0.060170	0.80	0.979020	0.040113	0.60	0.734265	0.030085	0.60	0.734265	0.030085	0.60	0.734265	0.030085	0.60	0.734265	0.030085
79	235471	3.735	1.20	1.482565	0.055378	0.80	0.988377	0.036919	0.60	0.741283	0.027689	0.60	0.741283	0.027689	0.60	0.741283	0.027689	0.60	0.741283	0.027689
<79	270300	9.997	1.20	1.524360	0.152398	0.80	1.016240	0.101599	0.60	0.762180	0.076199	0.60	0.762180	0.076199	0.60	0.762180	0.076199	0.60	0.762180	0.076199
TOTAL					1.373539			0.907280			0.680460									

CO1993.xls

Reg. year	Acc. dr. length	Trafficwork (%)		V=30		V=60		V=80				
		Acc. dr. length	Trafficwork (%)	q(basis)	q(aging)	q(weighthed)	q(basis)	q(aging)	q(weighthed)	q(basis)	q(aging)	q(weighthed)
DHLL												
93	12800	12.087	12.087	2.52	2.529677	0.305763	1.19	1.194570	0.144388	1.02	1.023917	0.123761
92	38400	12.087	12.087	9.02	9.123910	1.102809	4.32	4.369766	0.528175	3.74	3.740129	0.452070
91	64000	3.528	3.528	9.02	9.193184	0.324296	4.32	4.402944	0.155317	3.74	3.740215	0.131939
90	89600	8.351	8.351	9.02	9.262458	0.773505	4.32	4.436122	0.370459	3.74	3.740302	0.312351
89	113375	6.031	6.031	9.02	9.326793	0.562482	4.32	4.466934	0.269393	3.74	3.740382	0.225576
88	133500	8.324	8.324	9.02	9.381251	0.780852	4.32	4.493016	0.373978	3.74	3.740449	0.311338
87	149975	9.750	9.750	9.02	9.425832	0.919012	4.32	4.514368	0.440148	3.74	3.740505	0.364897
86	162775	8.818	8.818	9.02	9.460469	0.834186	4.32	4.530956	0.399521	3.74	3.740548	0.329826
85	173725	6.976	6.976	9.02	9.490100	0.662050	4.32	4.545148	0.317080	3.74	3.740585	0.260951
84	184675	5.481	5.481	9.02	9.519731	0.521765	4.32	4.559339	0.249892	3.74	3.740622	0.205019
83	192650	1.301	1.301	9.02	9.541311	0.124120	4.32	4.569674	0.059445	3.74	3.740648	0.048661
82	197650	1.484	1.484	9.02	9.554841	0.141810	4.32	4.576154	0.067918	3.74	3.740665	0.055518
81	202650	1.302	1.302	9.02	9.568371	0.124613	4.32	4.582634	0.059692	3.74	3.740682	0.048717
80	207650	1.169	1.169	9.02	9.581901	0.112041	4.32	4.589114	0.053661	3.74	3.740699	0.043740
79	212650	1.146	1.146	9.02	9.595431	0.109930	4.32	4.595594	0.052649	3.74	3.740716	0.042855
<79	230150	12.166	12.166	9.02	9.642786	1.173152	4.32	4.618274	0.561865	3.74	3.740775	0.455107
TOTAL						8.572385			4.103569			3.412125
DHLM												
93	24350	12.087	12.087	3.84	3.868051	0.467532	1.89	1.903806	0.230113	1.50	1.510958	0.182630
92	73050	12.087	12.087	9.90	10.116959	1.222839	5.04	5.150452	0.622536	4.00	4.087660	0.494076
91	12175	3.528	3.528	9.90	9.936160	0.350504	5.04	5.058409	0.178439	4.00	4.014610	0.141618
90	170450	8.351	8.351	9.90	10.406237	0.869022	5.04	5.297720	0.442411	4.00	4.204540	0.351120
89	215700	6.031	6.031	9.90	10.540629	0.635686	5.04	5.366138	0.323622	4.00	4.258840	0.256843
88	254000	8.324	8.324	9.90	10.654380	0.886821	5.04	5.424048	0.451472	4.00	4.304800	0.358311
87	285350	9.750	9.750	9.90	10.747490	1.047873	5.04	5.471449	0.533463	4.00	4.342420	0.423383
86	309750	8.818	8.818	9.90	10.819958	0.954060	5.04	5.508342	0.485703	4.00	4.371700	0.385479
85	330650	6.976	6.976	9.90	10.882031	0.759154	5.04	5.539943	0.386479	4.00	4.396780	0.306729
84	351550	5.481	5.481	9.90	10.944104	0.599833	5.04	5.571544	0.305369	4.00	4.421860	0.242357
83	364500	1.301	1.301	9.90	10.982565	0.142868	5.04	5.591124	0.072733	4.00	4.437400	0.057725
82	369500	1.484	1.484	9.90	10.997415	0.163220	5.04	5.598684	0.083094	4.00	4.443400	0.065948
81	374500	1.302	1.302	9.90	11.012265	0.143418	5.04	5.606244	0.073013	4.00	4.449400	0.057947
80	379500	1.169	1.169	9.90	11.027115	0.128940	5.04	5.613804	0.065642	4.00	4.455400	0.052097
79	384500	1.146	1.146	9.90	11.041965	0.126502	5.04	5.621364	0.064401	4.00	4.461400	0.051112
<79	402000	12.166	12.166	9.90	11.093940	1.349702	5.04	5.647824	0.687121	4.00	4.482400	0.545334
TOTAL						9.847975			5.005612			3.972708

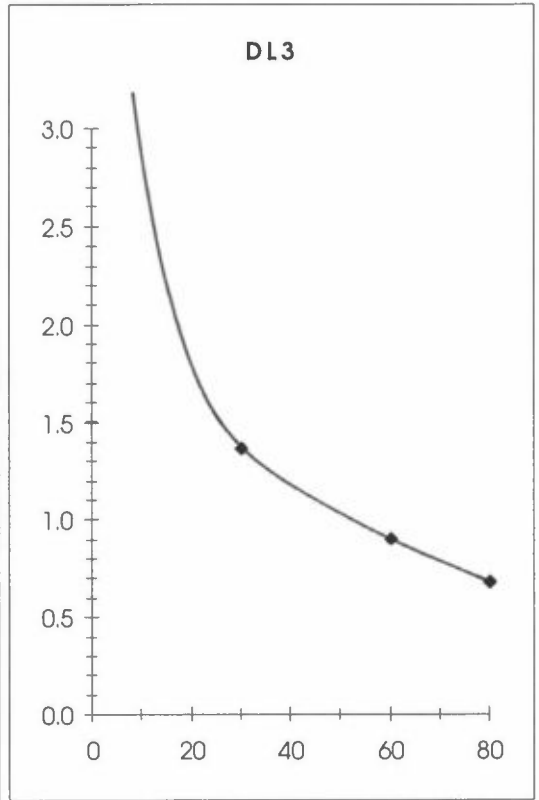
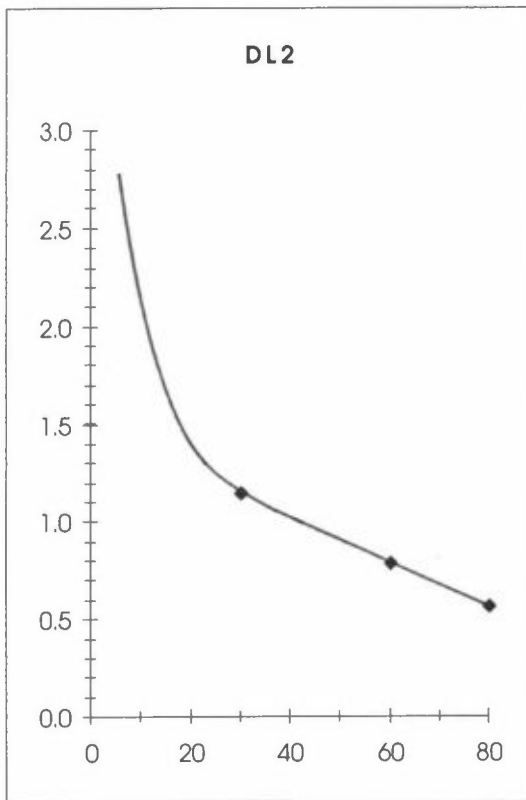
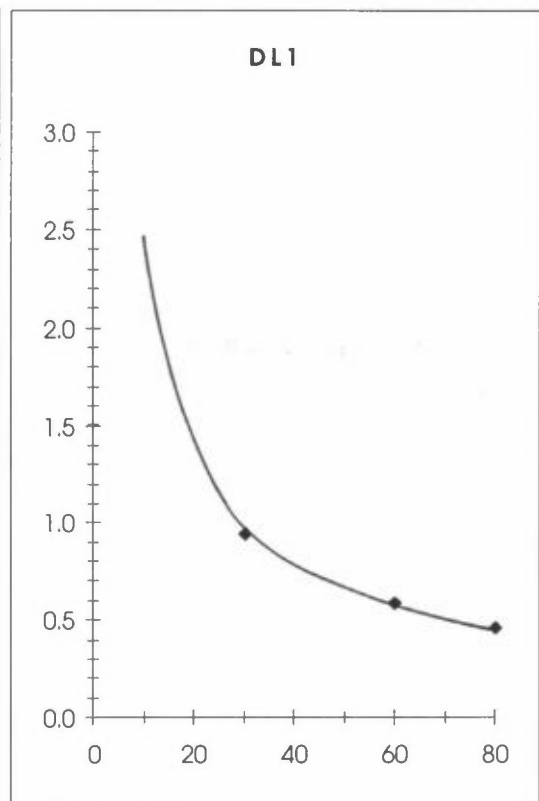
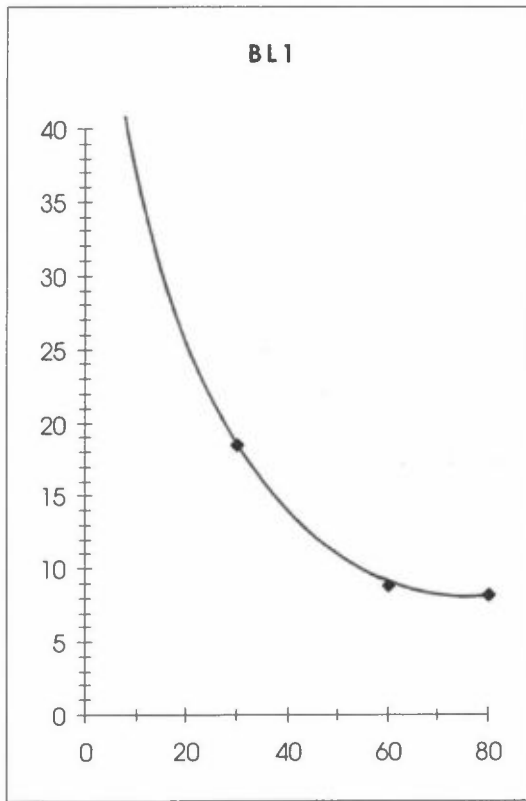
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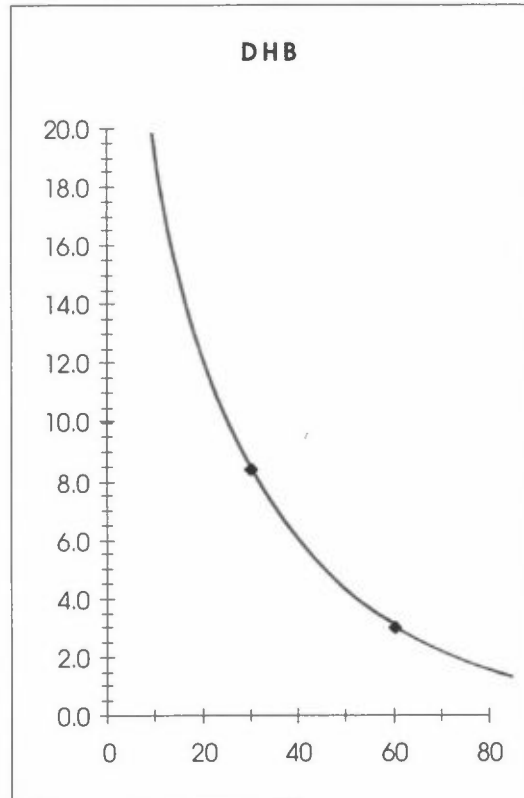
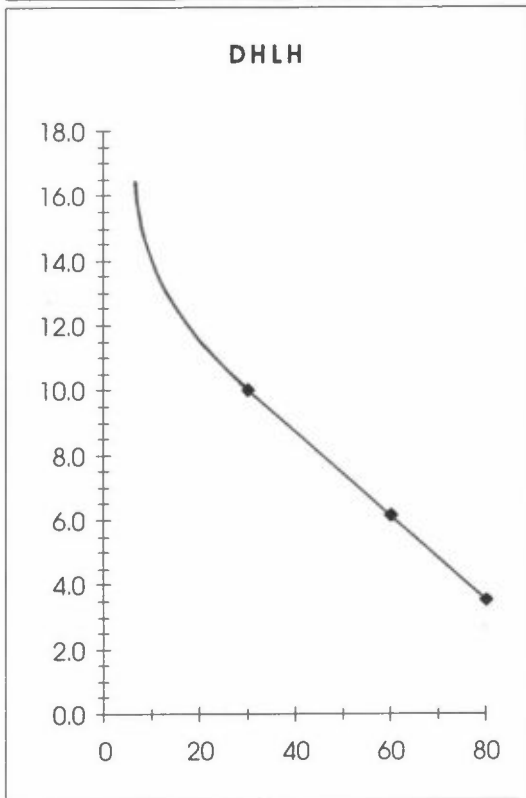
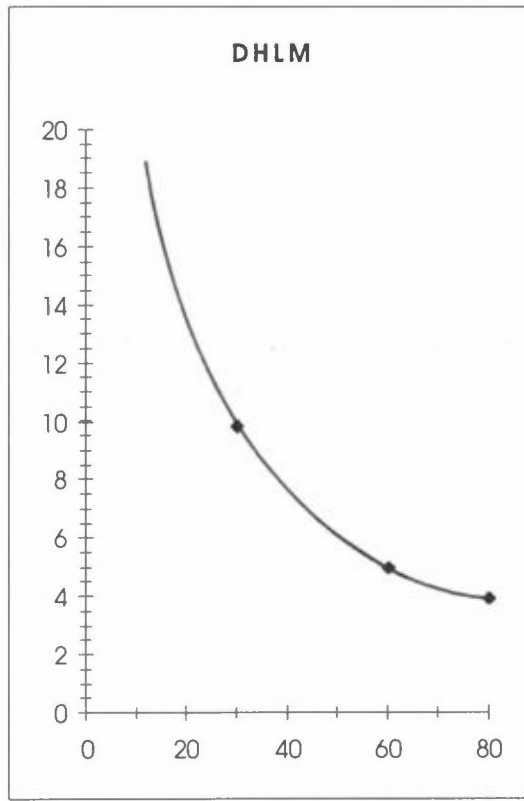
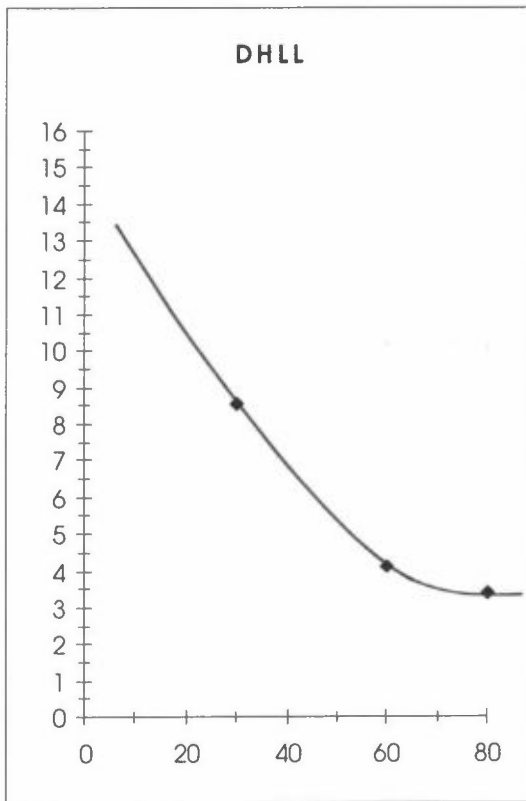
Reg. year	Acc. dr. length	Trafficwork (%)				V=30				V=60				V=80				
		Acc. dr. length	Trafficwork (%)	q(basis)	q(aging)	q(weighed)	q(basis)	q(aging)	q(weighed)	q(basis)	q(aging)	q(weighed)	q(basis)	q(aging)	q(weighed)	q(basis)	q(aging)	q(weighed)
DHLH																		
93	24350	12.087	3.06	0.372565	3.082353	0.372565	1.92	1.934026	0.233766	1.25	1.250027	0.151091						
92	73050	12.087	10.20	1.259895	10.423533	1.259895	6.27	6.407407	0.774465	3.90	3.900256	0.471425						
91	12175	3.528	10.20	0.361126	10.237256	0.361126	6.27	6.292901	0.221986	3.90	3.900043	0.137577						
90	170450	8.351	10.20	0.895356	10.721577	0.895356	6.27	6.590616	0.550380	3.90	3.900598	0.325738						
89	215700	6.031	10.20	0.654949	10.860042	0.654949	6.27	6.675732	0.402601	3.90	3.900757	0.235247						
88	254000	8.324	10.20	0.913694	10.977240	0.913694	6.27	6.747774	0.561653	3.90	3.900892	0.324692						
87	285350	9.750	10.20	1.079627	11.073171	1.079627	6.27	6.806743	0.663653	3.90	3.901002	0.380345						
86	309750	8.818	10.20	0.982971	11.147835	0.982971	6.27	6.852640	0.604238	3.90	3.901087	0.343982						
85	330650	6.976	10.20	0.782159	11.211789	0.782159	6.27	6.891953	0.480798	3.90	3.901161	0.272154						
84	351550	5.481	10.20	0.618009	11.275743	0.618009	6.27	6.931266	0.379894	3.90	3.901234	0.213822						
83	364500	1.301	10.20	0.147198	11.315370	0.147198	6.27	6.955625	0.090483	3.90	3.901279	0.050750						
82	369500	1.484	10.20	0.168166	11.330670	0.168166	6.27	6.965030	0.103373	3.90	3.901297	0.057902						
81	374500	1.302	10.20	0.147764	11.345970	0.147764	6.27	6.974435	0.090831	3.90	3.901314	0.050809						
80	379500	1.169	10.20	0.132847	11.361270	0.132847	6.27	6.983840	0.081662	3.90	3.901332	0.045618						
79	384500	1.146	10.20	0.130336	11.376570	0.130336	6.27	6.993245	0.080118	3.90	3.901350	0.044696						
<79	402000	12.166	10.20	1.390602	11.430120	1.390602	6.27	7.026162	0.854811	3.90	3.901411	0.474650						
TOTAL				10.037263					6.174713			3.580497						
DHB																		
93	24000	12.087	3.12	0.379830	3.142464	0.379830	1.25	1.259000	0.152176	1.25	1.259000	0.152176						
92	72000	12.087	8.40	1.037240	8.581440	1.037240	3.00	3.064800	0.370443	3.00	3.064800	0.370443						
91	120000	3.528	8.40	0.306983	8.702400	0.306983	3.00	3.108000	0.109637	3.00	3.108000	0.109637						
90	168000	8.351	8.40	0.736836	8.823360	0.736836	3.00	3.151200	0.263156	3.00	3.151200	0.263156						
89	216000	6.031	8.40	0.539415	8.944320	0.539415	3.00	3.194400	0.192648	3.00	3.194400	0.192648						
88	261800	8.324	8.40	0.754090	9.059736	0.754090	3.00	3.235620	0.269318	3.00	3.235620	0.269318						
87	303200	9.750	8.40	0.893490	9.164064	0.893490	3.00	3.272880	0.319104	3.00	3.272880	0.319104						
86	340200	8.818	8.40	0.816272	9.257304	0.816272	3.00	3.306180	0.291526	3.00	3.306180	0.291526						
85	372800	6.976	8.40	0.651541	9.339456	0.651541	3.00	3.335520	0.232693	3.00	3.335520	0.232693						
84	401000	5.481	8.40	0.515779	9.410520	0.515779	3.00	3.360900	0.184207	3.00	3.360900	0.184207						
83	424800	1.301	8.40	0.123198	9.470496	0.123198	3.00	3.382320	0.043999	3.00	3.382320	0.043999						
82	443200	1.484	8.40	0.141246	9.516864	0.141246	3.00	3.398880	0.050445	3.00	3.398880	0.050445						
81	457200	1.302	8.40	0.124402	9.552144	0.124402	3.00	3.411480	0.044429	3.00	3.411480	0.044429						
80	468800	1.169	8.40	0.112035	9.581376	0.112035	3.00	3.421920	0.040013	3.00	3.421920	0.040013						
79	478000	1.146	8.40	0.110035	9.604560	0.110035	3.00	3.430200	0.039298	3.00	3.430200	0.039298						
<79	497000	12.166	8.40	1.174327	9.652440	1.174327	3.00	3.447300	0.419402	3.00	3.447300	0.419402						
TOTAL				8.416721					3.022494									

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Summary NU					
BL1		DL1		DL2	
10	37.200000	10	2.300000	10	2.700000
30	18.485470	30	0.946875	30	1.143564
60	8.901556	60	0.586088	60	0.792293
80	8.243684	80	0.465826	80	0.568627
DL3		DHLL		DHLM	
10	3.300000	10	13.000000	10	22.700000
30	1.373539	30	8.572385	30	9.847975
60	0.907280	60	4.103569	60	5.005612
80	0.680460	80	3.412125	80	3.972708
DHLH		DHB			
10	15.900000	10	19.300000		
30	10.037263	30	8.416721		
60	6.174713	60	3.022494		
80	3.580497				

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Reg. year	Acc. dr. length	Trafficwork (%)	V=30				V=60				V=80			
			1	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)
98	9106	8.026	0.13	0.131539	0.010558	0.22	0.222604	0.017867	0.12	0.121421	0.009745			
97	27317	8.026	0.13	0.134617	0.010805	0.22	0.227813	0.018285	0.12	0.124261	0.009973			
96	44407	7.038	0.13	0.137505	0.009678	0.22	0.232700	0.016379	0.12	0.126927	0.008934			
95	59627	5.102	0.13	0.140077	0.007146	0.22	0.237053	0.012093	0.12	0.129302	0.006596			
94	73655	4.791	0.13	0.142448	0.006824	0.22	0.241065	0.011548	0.12	0.131490	0.006299			
93	86951	4.585	0.13	0.144695	0.006635	0.22	0.244868	0.011228	0.12	0.133564	0.006124			
92	99993	4.611	0.13	0.146899	0.006774	0.22	0.248598	0.011464	0.12	0.135599	0.006253			
91	112624	1.725	0.14	0.160498	0.002769	0.25	0.286603	0.004945	0.15	0.171962	0.002967			
90	124841	4.135	0.54	0.627638	0.025951	0.74	0.860097	0.035562	0.70	0.813605	0.033640			
89	136983	3.610	0.50	0.589039	0.021265	0.70	0.824655	0.029770	0.63	0.742189	0.026793			
88	148449	4.090	17.00	20.280723	0.829396	8.00	9.543870	0.390304	8.00	9.543870	0.390304			
87	159229	6.754	17.00	20.518961	1.385919	8.00	9.655982	0.652197	8.00	9.655982	0.652197			
86	169461	9.122	17.00	20.745088	1.892434	8.00	9.762394	0.890557	8.00	9.762394	0.890557			
85	179020	8.281	17.00	20.956342	1.735488	8.00	9.861808	0.816700	8.00	9.861808	0.816700			
84	188377	5.576	21.00	26.142692	1.457619	9.00	11.204011	0.624694	8.00	9.959121	0.555283			
<84	216240	14.527	21.86	28.005108	4.068263	10.57	13.541354	1.967134	9.00	11.530008	1.674948			
TOTAL					11.477522			5.510727			5.097316			

Reg. year	Acc. dr. length	Trafficwork (%)	V=30				V=60				V=80			
			1	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)
98	11837	8.026	0.70	0.710772	0.057048	0.40	0.406155	0.032599	0.30	0.304616	0.024449			
97	35511	8.026	0.70	0.732315	0.058777	0.40	0.418466	0.033587	0.30	0.313849	0.025190			
96	57729	7.038	0.70	0.752533	0.052967	0.40	0.430019	0.030267	0.30	0.322514	0.022700			
95	77514	5.102	0.70	0.770538	0.039309	0.40	0.440307	0.022462	0.30	0.330230	0.016847			
94	95751	4.791	0.70	0.787133	0.037708	0.40	0.449791	0.021548	0.30	0.337343	0.016161			
93	113063	4.585	0.70	0.802887	0.036815	0.40	0.458793	0.021037	0.30	0.344095	0.015778			
92	129990	4.611	0.70	0.818291	0.037735	0.40	0.467595	0.021563	0.30	0.350696	0.016172			
91	146411	1.725	0.70	0.833234	0.014377	0.40	0.476134	0.008215	0.30	0.357100	0.006161			
90	162239	4.135	0.80	0.968729	0.040054	0.50	0.605455	0.025034	0.40	0.484364	0.020027			
89	178078	3.610	0.80	0.985201	0.035566	0.50	0.615751	0.022229	0.40	0.492601	0.017783			
88	192983	4.090	0.80	1.000702	0.040924	0.50	0.625439	0.025578	0.40	0.500351	0.020462			
87	206997	6.754	0.80	1.015277	0.068575	0.50	0.634548	0.042859	0.40	0.507638	0.034288			
86	220299	9.122	0.80	1.029111	0.093879	0.50	0.643194	0.058674	0.40	0.514555	0.046939			
85	232726	8.281	0.80	1.042035	0.086296	0.50	0.651272	0.053935	0.40	0.521018	0.043148			
84	244889	5.576	0.80	1.054685	0.058805	0.50	0.659178	0.036753	0.40	0.527342	0.029403			
<84	281112	14.527	0.80	1.092356	0.158685	0.50	0.682723	0.099178	0.40	0.546178	0.079343			
TOTAL					0.917520			0.555518			0.434850			

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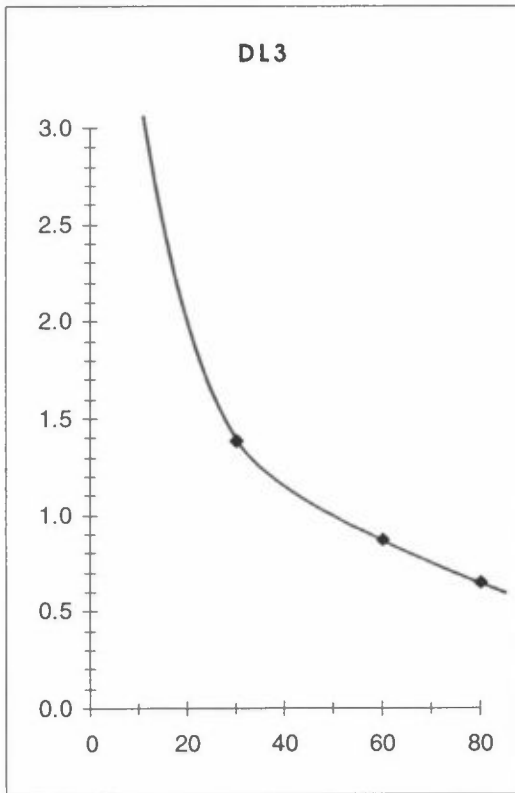
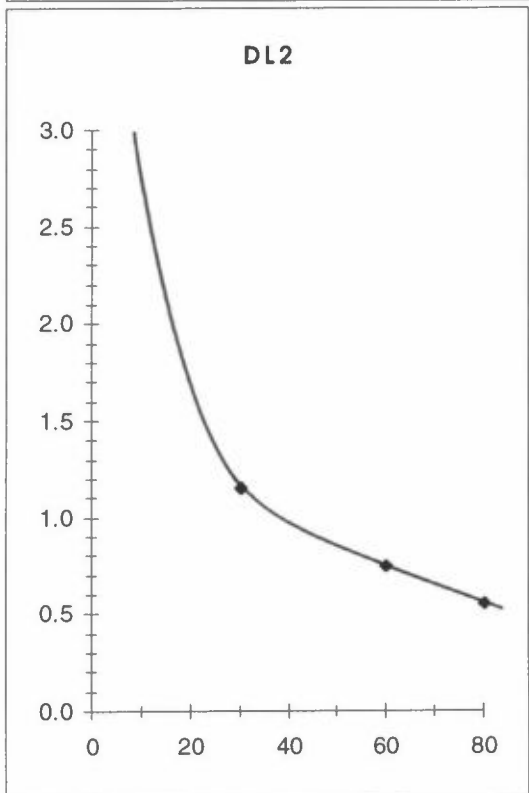
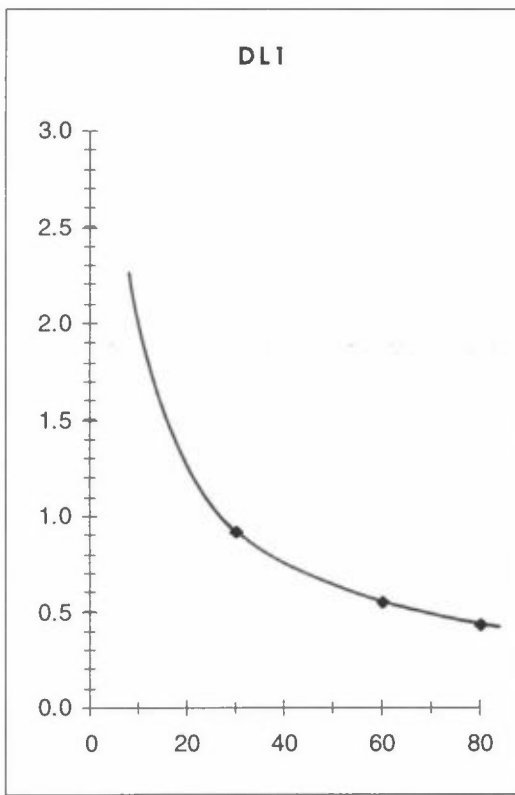
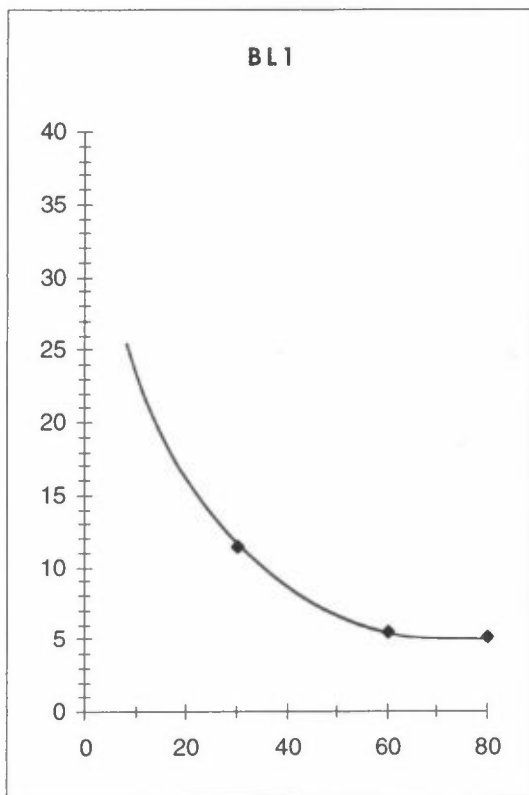
Reg. year	Acc. dr. length	Trafficwork (%)			V=30			V=60			V=80					
		Acc. dr. length	Trafficwork (%)	Trafficwork (%)	q(basis)	NU	q(aging)	q(weighted)	q(basis)	NU	q(aging)	q(weighted)	q(basis)	NU	q(aging)	q(weighted)
DL2																
98	11382	8.026	0.90	0.913317	0.073304	0.507398	0.040725	0.40	0.405919	0.032580						
97	34146	8.026	0.90	0.939951	0.075442	0.50	0.041912	0.40	0.417756	0.033530						
96	55509	7.038	0.90	0.964946	0.067917	0.50	0.037732	0.40	0.428865	0.030186						
95	74533	5.102	0.90	0.987204	0.050363	0.50	0.027979	0.40	0.438757	0.022383						
94	92068	4.791	0.90	1.007720	0.048275	0.50	0.026820	0.40	0.447875	0.021456						
93	108688	4.585	0.90	1.027165	0.047099	0.50	0.026166	0.40	0.456518	0.020933						
92	124991	4.611	1.00	1.162488	0.053608	0.70	0.037525	0.50	0.581244	0.026804						
91	140780	1.725	1.00	1.183014	0.020412	0.70	0.014288	0.50	0.591507	0.010206						
90	156051	4.135	1.00	1.202866	0.049735	0.70	0.034814	0.50	0.601433	0.024867						
89	171229	3.610	1.00	1.222598	0.044136	0.70	0.030895	0.50	0.611299	0.022068						
88	185561	4.090	1.00	1.241229	0.050761	0.70	0.035533	0.50	0.620615	0.025381						
87	199036	6.754	1.00	1.258747	0.085020	0.70	0.059514	0.50	0.629373	0.042510						
86	211826	9.122	1.00	1.275374	0.116344	0.70	0.081441	0.50	0.637687	0.058172						
85	223775	8.281	1.00	1.290908	0.106906	0.70	0.074834	0.50	0.645454	0.053453						
84	235471	5.576	1.00	1.306112	0.072824	0.70	0.050977	0.50	0.653056	0.036412						
<84	270300	14.527	1.00	1.351390	0.196315	0.70	0.137420	0.50	0.675695	0.098157						
TOTAL				1.158460			0.758575			0.559097						
DL3																
98	11382	8.026	1.10	1.116276	0.089594	0.60	0.048869	0.45	0.456658	0.036652						
97	34146	8.026	1.10	1.148829	0.092207	0.60	0.050295	0.45	0.469975	0.037721						
96	55509	7.038	1.10	1.179378	0.083010	0.60	0.045278	0.45	0.482473	0.033959						
95	74533	5.102	1.10	1.206582	0.061554	0.60	0.033575	0.45	0.493602	0.025181						
94	92068	4.791	1.10	1.231657	0.059003	0.60	0.032184	0.45	0.503860	0.024138						
93	108688	4.585	1.10	1.255424	0.057566	0.60	0.031400	0.45	0.513582	0.023550						
92	124991	4.611	1.20	1.394986	0.064329	0.80	0.042886	0.60	0.697493	0.032165						
91	140780	1.725	1.20	1.419617	0.024494	0.80	0.016330	0.60	0.709808	0.012247						
90	156051	4.135	1.20	1.443440	0.059681	0.80	0.039788	0.60	0.721720	0.029841						
89	171229	3.610	1.20	1.467117	0.052964	0.80	0.035309	0.60	0.733559	0.026482						
88	185561	4.090	1.20	1.489475	0.060913	0.80	0.040609	0.60	0.744738	0.030457						
87	199036	6.754	1.20	1.510496	0.102024	0.80	0.068016	0.60	0.755248	0.051012						
86	211826	9.122	1.20	1.530449	0.139612	0.80	0.093075	0.60	0.765224	0.069806						
85	223775	8.281	1.20	1.549089	0.128287	0.80	0.085525	0.60	0.774545	0.064143						
84	235471	5.576	1.20	1.567335	0.087389	0.80	0.058259	0.60	0.783667	0.043684						
<84	270300	14.527	1.20	1.621668	0.235577	0.80	0.157052	0.60	0.810834	0.117789						
TOTAL				1.398206			0.878448			0.658536						

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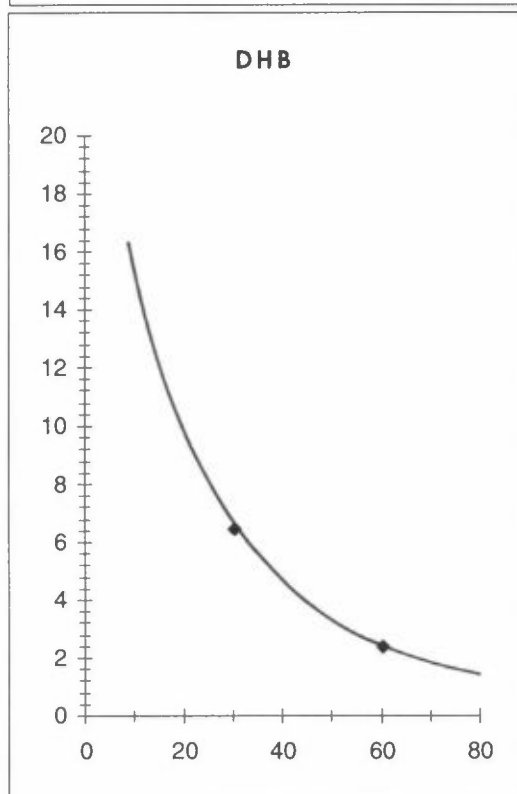
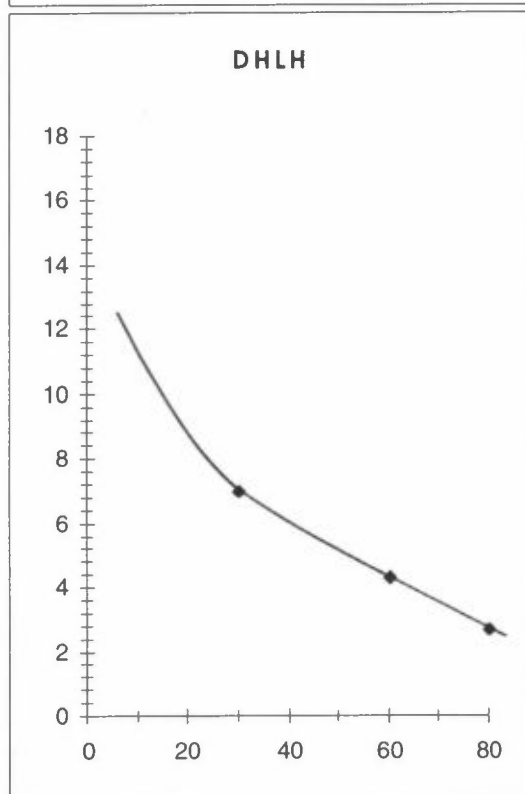
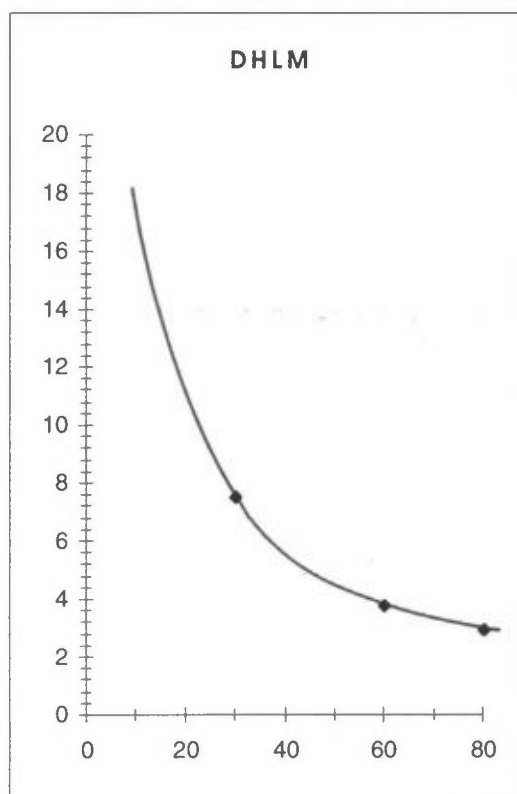
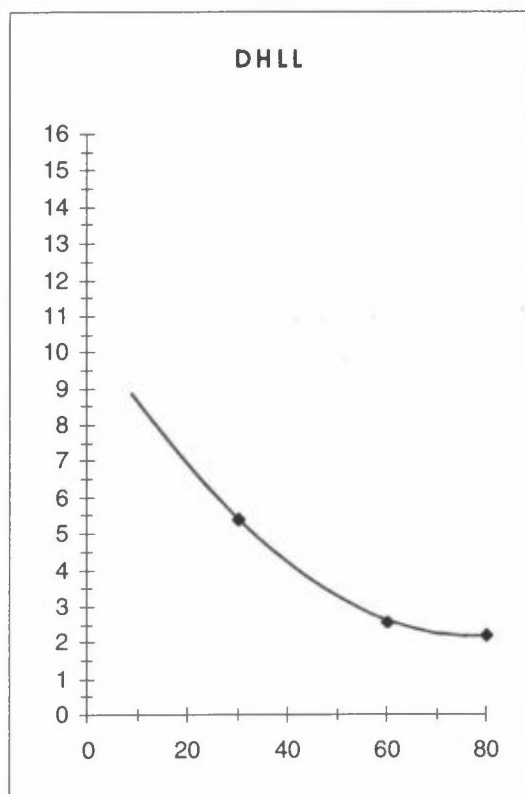
Reg. year	Acc. dr. length	Trafficwork (%)			V=60			V=80		
		Acc. dr. length	Trafficwork (%)	NU	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)
DHLL										
98	12800	13.620	2.52	1.19	1.209802	0.164778	1.02	1.036973	0.141239	
97	38400	13.620	2.52	1.19	1.249405	0.170173	1.02	1.070918	0.145862	
96	64000	13.620	2.52	1.19	1.289008	0.175567	1.02	1.104864	0.150486	
95	89600	10.896	2.52	1.19	1.328611	0.144769	1.02	1.138810	0.124087	
94	113375	9.352	2.52	1.19	1.365391	0.127697	1.02	1.170335	0.109455	
93	133500	7.786	2.52	1.19	1.396525	0.108736	1.02	1.197021	0.093203	
92	149975	6.242	9.02	4.32	5.162260	0.322249	3.74	4.469178	0.278984	
91	162775	1.365	9.02	4.32	5.234144	0.071432	3.74	4.531412	0.061842	
90	173725	3.231	9.02	4.32	5.295640	0.171092	3.74	4.584651	0.148121	
89	184675	2.718	9.02	4.32	5.357135	0.145625	3.74	4.637890	0.126073	
88	192650	1.078	9.02	4.32	5.401922	0.082238	3.74	4.676664	0.050419	
87	197650	1.575	9.02	4.32	5.430002	0.085531	3.74	4.700974	0.074048	
86	202650	1.902	9.02	4.32	5.458082	0.103794	3.74	4.725284	0.089858	
85	207650	1.505	9.02	4.32	5.486162	0.082541	3.74	4.749594	0.071459	
84	212650	1.182	9.02	4.32	5.514242	0.065180	3.74	4.773904	0.056429	
<84	230150	10.307	9.02	4.32	5.612522	0.578457	3.74	4.858989	0.500794	
TOTAL					5.404766	2.575858			2.222358	
DHLM										
98	24350	13.620	3.84	1.89	1.949828	0.265572	1.50	1.547483	0.210772	
97	73050	13.620	3.84	1.89	2.069484	0.281870	1.50	1.642448	0.223706	
96	12175	13.620	3.84	1.89	1.919914	0.261498	1.50	1.523741	0.207538	
95	170450	10.896	3.84	1.89	2.308796	0.251572	1.50	1.832378	0.199660	
94	215700	9.352	3.84	1.89	2.419975	0.226326	1.50	1.920615	0.179624	
93	254000	7.786	3.84	1.89	2.514078	0.195752	1.50	1.995300	0.155358	
92	285350	6.242	9.90	5.04	6.909613	0.431326	4.00	5.483820	0.342322	
91	309750	1.365	9.90	5.04	7.069482	0.096480	4.00	5.610700	0.076571	
90	330650	3.231	9.90	5.04	7.206419	0.232826	4.00	5.719380	0.184782	
89	351550	2.718	9.90	5.04	7.343356	0.199617	4.00	5.828060	0.158426	
88	364500	1.078	9.90	5.04	7.428204	0.080083	4.00	5.895400	0.063558	
87	369500	1.575	9.90	5.04	7.460964	0.117522	4.00	5.921400	0.093271	
86	374500	1.902	9.90	5.04	7.493724	0.142505	4.00	5.947400	0.113099	
85	379500	1.505	9.90	5.04	7.526484	0.113238	4.00	5.973400	0.089872	
84	384500	1.182	9.90	5.04	7.559244	0.089353	4.00	5.999400	0.070915	
<84	402000	10.307	9.90	5.04	7.673904	0.790914	4.00	6.090400	0.627709	
TOTAL					7.518045	3.776451			2.997183	

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Summary NU					
BL1		DL1		DL2	
10	23.100000	10	2.210000	10	2.800000
30	11.477522	30	0.917520	30	1.158460
60	5.510727	60	0.555518	60	0.758575
80	5.097316	80	0.434850	80	0.559097
DL3		DHLL		DHLM	
10	3.300000	10	8.200000	10	17.300000
30	1.398206	30	5.404766	30	7.518045
60	0.878448	60	2.575858	60	3.776451
80	0.658836	80	2.222358	80	2.997183
DHLH		DHB			
10	11.200000	10	15.100000		
30	7.042722	30	6.547705		
60	4.359796	60	2.447548		
80	2.755561	80			



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Reg. year	Acc. dr. length	V=30			V=60			V=80				
		Trafficwork (%)	NU	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)
BL1												
2003	9106	9.478	0.13	0.131539	0.012467	0.22	0.222604	0.021098	0.12	0.121421	0.011508	
2002	27317	9.478	0.13	0.134617	0.012759	0.22	0.227813	0.021592	0.12	0.124261	0.011777	
2001	44407	6.926	0.13	0.137505	0.009524	0.22	0.232700	0.016118	0.12	0.126927	0.008791	
2000	59627	6.275	0.13	0.140077	0.008790	0.22	0.237053	0.014876	0.12	0.129302	0.008114	
1999	73655	5.893	0.13	0.142448	0.008394	0.22	0.241065	0.014205	0.12	0.131490	0.007748	
1998	86951	5.640	0.13	0.144695	0.008161	0.22	0.244868	0.013811	0.12	0.133564	0.007534	
1997	99993	5.672	0.13	0.146899	0.008333	0.22	0.248598	0.014102	0.12	0.135599	0.007692	
1996	112624	5.284	0.13	0.149033	0.007875	0.22	0.252210	0.013328	0.12	0.137569	0.007270	
1995	124841	4.250	0.13	0.151098	0.006422	0.22	0.255705	0.010867	0.12	0.139475	0.005928	
1994	136983	4.176	0.13	0.153150	0.006396	0.22	0.259177	0.010823	0.12	0.141369	0.005904	
1993	148449	3.780	0.13	0.155088	0.005863	0.22	0.262456	0.009921	0.12	0.143158	0.005412	
1992	159229	3.700	0.13	0.156910	0.005806	0.22	0.265539	0.009826	0.12	0.144840	0.005360	
1991	169461	1.366	0.14	0.170842	0.002333	0.25	0.305075	0.004166	0.15	0.183045	0.002500	
1990	179020	3.095	0.54	0.665672	0.020604	0.74	0.912217	0.028235	0.70	0.862908	0.026709	
1989	188377	2.773	0.50	0.622445	0.017260	0.70	0.871423	0.024165	0.63	0.784281	0.021748	
<1989	216240	22.212	18.71	23.969606	5.324137	8.43	10.799774	2.398850	8.00	10.248896	2.276488	
TOTAL					5.465125			2.625983			2.420482	
DL1												
2003	11837	9.478	0.70	0.710772	0.067366	0.40	0.406155	0.038495	0.30	0.304616	0.028871	
2002	35511	9.478	0.70	0.732315	0.069408	0.40	0.418466	0.039662	0.30	0.313849	0.029746	
2001	57729	6.926	0.70	0.752533	0.052123	0.40	0.430019	0.029784	0.30	0.322514	0.022338	
2000	77514	6.275	0.70	0.770538	0.048354	0.40	0.440307	0.027631	0.30	0.330230	0.020723	
1999	95751	5.893	0.70	0.787133	0.046384	0.40	0.449791	0.026505	0.30	0.337343	0.019879	
1998	113063	5.640	0.70	0.802887	0.045286	0.40	0.458793	0.025878	0.30	0.344095	0.019408	
1997	129990	5.672	0.70	0.818291	0.046417	0.40	0.467595	0.026524	0.30	0.350696	0.019893	
1996	146411	5.284	0.70	0.833234	0.044031	0.40	0.476134	0.025160	0.30	0.357100	0.018870	
1995	162239	4.250	0.70	0.847637	0.036025	0.40	0.484364	0.020585	0.30	0.363273	0.015439	
1994	178078	4.176	0.70	0.862051	0.036000	0.40	0.492601	0.020571	0.30	0.369450	0.015429	
1993	192983	3.780	0.70	0.875615	0.033100	0.40	0.500351	0.018914	0.30	0.375263	0.014186	
1992	206997	3.700	0.70	0.888367	0.032873	0.40	0.507638	0.018785	0.30	0.380729	0.014088	
1991	220299	1.366	0.70	0.900472	0.012298	0.40	0.514555	0.007027	0.30	0.385917	0.005270	
1990	232726	3.095	0.80	1.042035	0.032253	0.50	0.651272	0.020158	0.40	0.521018	0.016126	
1989	244889	2.773	0.80	1.054685	0.029246	0.50	0.659178	0.018279	0.40	0.527342	0.014623	
<1989	281112	22.212	0.80	1.092356	0.242635	0.50	0.682723	0.151647	0.40	0.546178	0.121317	
TOTAL					0.873798			0.515606			0.396209	

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Reg. year DL2	Acc. dr. length	Trafficwork (%)		V=30				V=60				V=80			
		q(basis)	NU	q(aging)	q(weighted)	q(basis)	NU	q(aging)	q(weighted)	q(basis)	NU	q(aging)	q(weighted)	q(basis)	NU
2003	11382	9.478	9.478	0.913317	0.086563	0.50	0.507398	0.048091	0.40	0.405919	0.038473				
2002	34146	9.478	9.478	0.939951	0.089088	0.50	0.522195	0.049493	0.40	0.417756	0.039595				
2001	55509	6.926	6.926	0.964946	0.066835	0.50	0.536081	0.037131	0.40	0.428865	0.029705				
2000	74533	6.275	6.275	0.987204	0.061950	0.50	0.548446	0.034417	0.40	0.438757	0.027533				
1999	92068	5.893	5.893	1.007720	0.059383	0.50	0.559844	0.032990	0.40	0.447875	0.026392				
1998	108688	5.640	5.640	1.027165	0.057936	0.50	0.570647	0.032187	0.40	0.456518	0.025749				
1997	124991	5.672	5.672	1.046239	0.059348	0.50	0.581244	0.032971	0.40	0.464995	0.026377				
1996	140780	5.284	5.284	1.064713	0.056263	0.50	0.591507	0.031257	0.40	0.473206	0.025006				
1995	156051	4.250	4.250	1.082580	0.046010	0.50	0.601433	0.025561	0.40	0.481147	0.020449				
1994	171229	4.176	4.176	1.100338	0.045951	0.50	0.611299	0.025528	0.40	0.489039	0.020423				
1993	185561	3.780	3.780	1.117106	0.042229	0.50	0.620615	0.023460	0.40	0.496492	0.018768				
1992	199036	3.700	3.700	1.258747	0.046579	0.70	0.881123	0.032605	0.50	0.629373	0.023289				
1991	211826	1.366	1.366	1.275374	0.017418	0.70	0.892762	0.012192	0.50	0.637687	0.008709				
1990	223775	3.095	3.095	1.290908	0.039956	0.70	0.903635	0.027969	0.50	0.645454	0.019978				
1989	235471	2.773	2.773	1.306112	0.036219	0.70	0.914279	0.025353	0.50	0.653056	0.018109				
<1989	270300	22.212	22.212	1.351390	0.300171	0.70	0.945973	0.210120	0.50	0.675695	0.150086				
TOTAL					1.111897			0.681326			0.518640				

Reg. year DL3	Acc. dr. length	Trafficwork (%)		V=30				V=60				V=80			
		q(basis)	NU	q(aging)	q(weighted)	q(basis)	NU	q(aging)	q(weighted)	q(basis)	NU	q(aging)	q(weighted)	q(basis)	NU
2003	11382	9.478	9.478	1.116276	0.105800	0.60	0.608878	0.057709	0.45	0.456658	0.043282				
2002	34146	9.478	9.478	1.148829	0.108885	0.60	0.626634	0.059392	0.45	0.469975	0.044544				
2001	55509	6.926	6.926	1.179378	0.081687	0.60	0.643297	0.044557	0.45	0.482473	0.033418				
2000	74533	6.275	6.275	1.206582	0.075717	0.60	0.658136	0.041300	0.45	0.493602	0.030975				
1999	92068	5.893	5.893	1.231657	0.072579	0.60	0.671813	0.039589	0.45	0.503860	0.029691				
1998	108688	5.640	5.640	1.255424	0.070811	0.60	0.684777	0.038624	0.45	0.513582	0.028968				
1997	124991	5.672	5.672	1.278737	0.072536	0.60	0.697493	0.039565	0.45	0.523120	0.029674				
1996	140780	5.284	5.284	1.301315	0.068765	0.60	0.709808	0.037508	0.45	0.532356	0.028131				
1995	156051	4.250	4.250	1.323153	0.062234	0.60	0.721720	0.030673	0.45	0.541290	0.023005				
1994	171229	4.176	4.176	1.344857	0.056162	0.60	0.733559	0.030634	0.45	0.550169	0.022976				
1993	185561	3.780	3.780	1.365352	0.051613	0.60	0.744738	0.028153	0.45	0.558553	0.021114				
1992	199036	3.700	3.700	1.510496	0.055894	0.80	1.006997	0.037263	0.60	0.755248	0.027947				
1991	211826	1.366	1.366	1.530449	0.020901	0.80	1.020299	0.013934	0.60	0.765224	0.010451				
1990	223775	3.095	3.095	1.549089	0.047947	0.80	1.032726	0.031965	0.60	0.774545	0.023974				
1989	235471	2.773	2.773	1.567335	0.043462	0.80	1.044890	0.028975	0.60	0.783667	0.021731				
<1989	270300	22.212	22.212	1.621668	0.360205	0.80	1.081112	0.240137	0.60	0.810834	0.180103				
TOTAL					1.349200			0.799977			0.599983				

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Reg. year	Acc. dr. length	Trafficwork (%)		V=30		V=60		V=80							
		Acc. dr. length	Trafficwork (%)	NU	q(basis)	q(aging)	q(weighted)	q(basis)	NU	q(aging)	q(weighted)	q(basis)	NU	q(aging)	q(weighted)
DHLL															
2003	11382	13.812	2.52	2.57287	0.353204	1.19	1.207608	0.166791	1.02	1.035093	0.142964				
2002	34146	13.812	2.52	2.631862	0.363505	1.19	1.242824	0.171655	1.02	1.065278	0.147133				
2001	55509	11.510	2.52	2.701847	0.310976	1.19	1.275872	0.146850	1.02	1.093605	0.125871				
2000	74533	11.510	2.52	2.764170	0.318149	1.19	1.305303	0.150237	1.02	1.118831	0.128774				
1999	92068	9.879	2.52	2.821615	0.278747	1.19	1.332429	0.131631	1.02	1.142082	0.112826				
1998	108688	8.225	2.52	2.876062	0.236545	1.19	1.358140	0.111702	1.02	1.164120	0.095744				
1997	124991	6.594	2.52	2.929471	0.193166	1.19	1.383361	0.091217	1.02	1.185738	0.078186				
1996	140780	4.939	2.52	2.981195	0.147256	1.19	1.407787	0.069538	1.02	1.206674	0.059604				
1995	156051	3.952	2.52	3.031223	0.119782	1.19	1.431411	0.056564	1.02	1.226924	0.048483				
1994	171229	3.952	2.52	3.080946	0.121747	1.19	1.454891	0.057491	1.02	1.247050	0.049278				
1993	185561	0.945	2.52	3.127898	0.029570	1.19	1.477063	0.013964	1.02	1.266054	0.011969				
1992	199036	0.945	9.02	11.353896	0.107335	4.32	5.437786	0.051407	3.74	4.707713	0.044505				
1991	211826	0.276	9.02	11.503872	0.031739	4.32	5.509615	0.015201	3.74	4.769898	0.013160				
1990	223775	0.653	9.02	11.643986	0.076053	4.32	5.576720	0.036424	3.74	4.827994	0.031534				
1989	235471	0.550	9.02	11.781133	0.064743	4.32	5.642405	0.031008	3.74	4.884860	0.026845				
<1989	270300	8.448	9.02	12.189538	1.029731	4.32	5.838005	0.493175	3.74	5.054199	0.426962				
TOTAL					3.782246			1.794853			1.543838				
DHLM															
2003	11382	13.812	3.84	3.896819	0.538216	1.89	1.917966	0.264903	1.50	1.522195	0.210241				
2002	34146	13.812	3.84	4.010457	0.553912	1.89	1.973897	0.272628	1.50	1.566585	0.216372				
2001	55509	11.510	3.84	4.117101	0.473867	1.89	2.026386	0.233232	1.50	1.608243	0.185104				
2000	74533	11.510	3.84	4.212069	0.484798	1.89	2.073128	0.238612	1.50	1.645339	0.189374				
1999	92068	9.879	3.84	4.299603	0.424758	1.89	2.116211	0.209060	1.50	1.679533	0.165921				
1998	108688	8.225	3.84	4.382570	0.360450	1.89	2.157046	0.177409	1.50	1.711942	0.140801				
1997	124991	6.594	3.84	4.463955	0.294348	1.89	2.197103	0.144874	1.50	1.743732	0.114980				
1996	140780	4.939	3.84	4.542774	0.224390	1.89	2.235896	0.110442	1.50	1.774521	0.087652				
1995	156051	3.952	3.84	4.619007	0.182525	1.89	2.273417	0.089836	1.50	1.804299	0.071299				
1994	171229	3.952	3.84	4.694775	0.185519	1.89	2.310710	0.091310	1.50	1.833897	0.072468				
1993	185561	0.945	3.84	4.766321	0.045059	1.89	2.345923	0.022177	1.50	1.861844	0.017601				
1992	199036	0.945	9.90	12.461593	0.117807	5.04	6.344084	0.059974	4.00	5.034987	0.047599				
1991	211826	0.276	9.90	12.626201	0.034836	5.04	6.427884	0.017735	4.00	5.101495	0.014075				
1990	223775	0.653	9.90	12.779984	0.083473	5.04	6.506174	0.042495	4.00	5.163630	0.033726				
1989	235471	0.550	9.90	12.930512	0.071059	5.04	6.582806	0.036176	4.00	5.224449	0.028711				
<1989	270300	8.448	9.90	13.378761	1.130192	5.04	6.811006	0.575371	4.00	5.405560	0.456643				
TOTAL					5.205207			2.586234			2.052567				

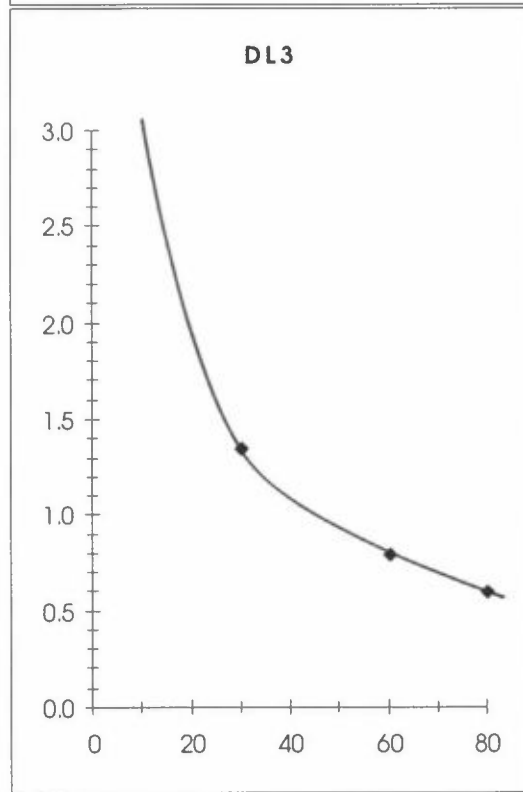
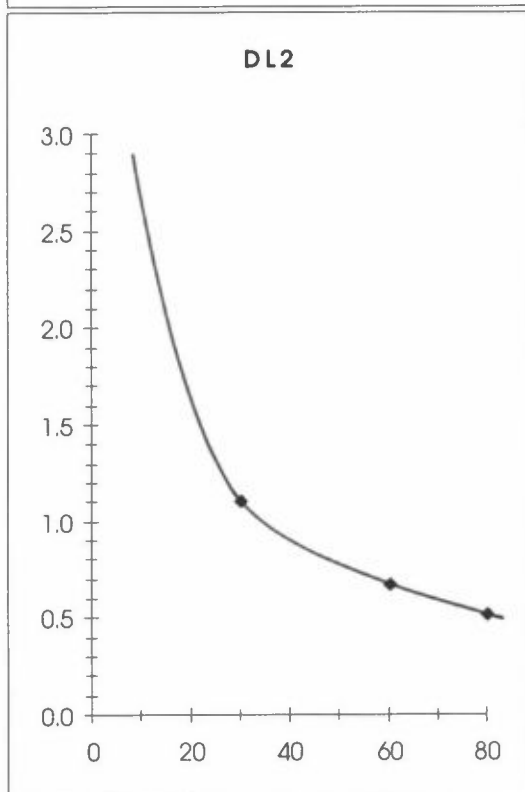
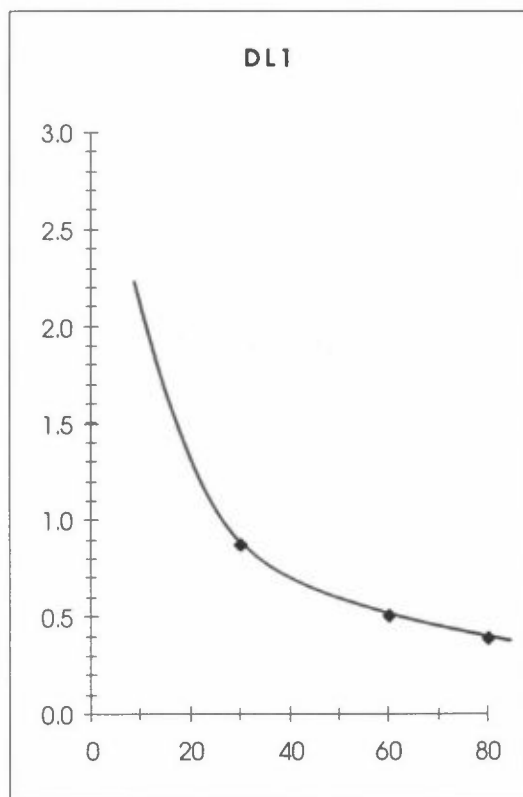
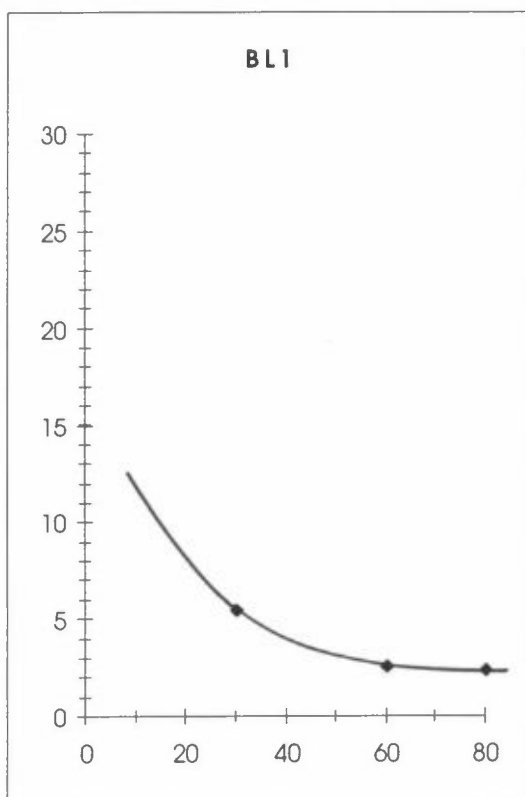
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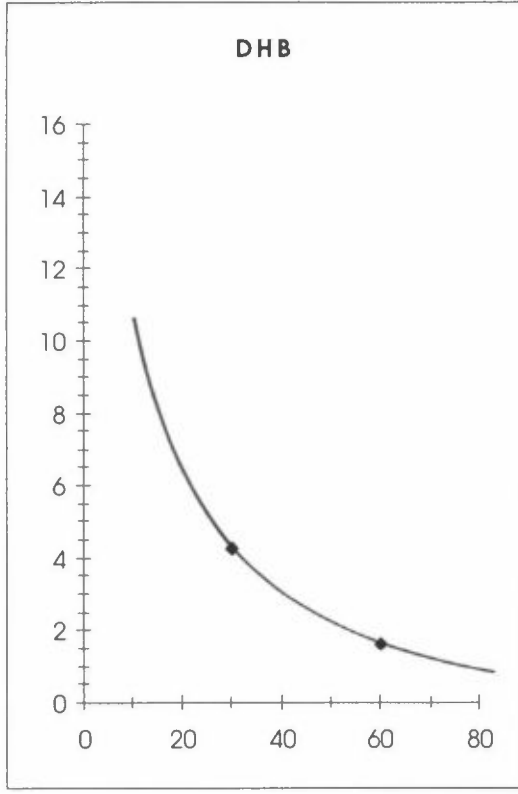
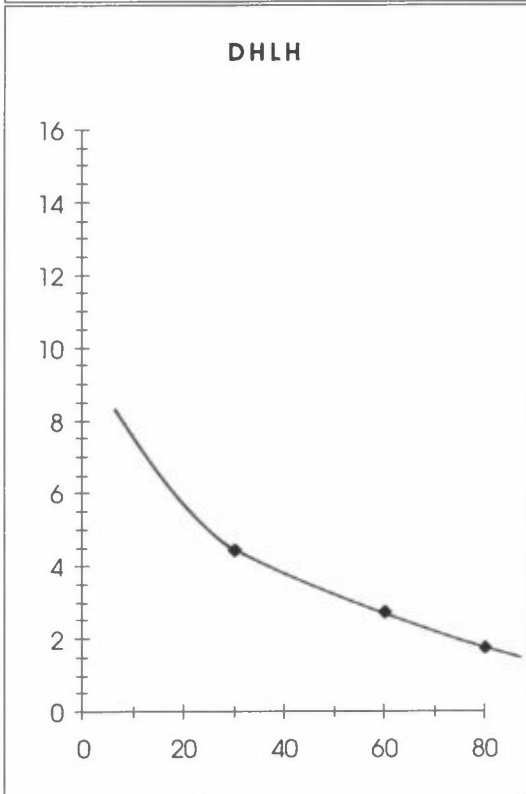
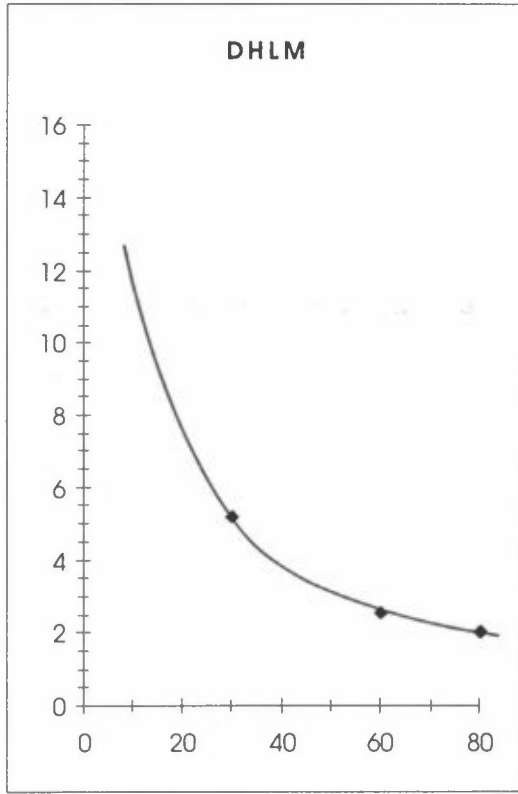
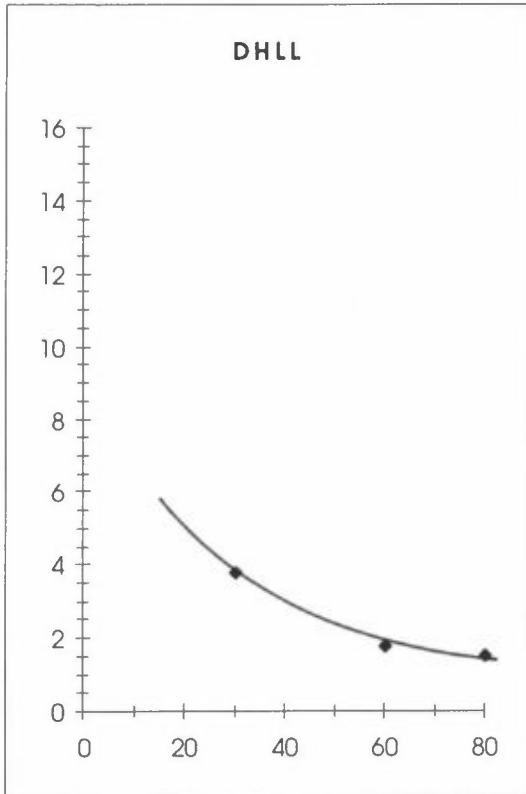
Reg. year	Acc. dr. length	Trafficwork (%)	V=30			V=60			V=80		
			q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)
DHLH			NU			NU			NU		
			q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)
2003	11382	13.812	3.06	3.105278	0.428891	1.92	1.948409	0.269108	1.25	1.268496	0.175201
2002	34146	13.812	3.06	3.195833	0.441398	1.92	2.005228	0.276956	1.25	1.305487	0.180310
2001	55509	11.510	3.06	3.280815	0.377613	1.92	2.058550	0.236934	1.25	1.340202	0.154254
2000	74533	11.510	3.06	3.356492	0.366323	1.92	2.106034	0.242399	1.25	1.371116	0.157812
1999	92068	9.879	3.06	3.426247	0.338479	1.92	2.149802	0.212379	1.25	1.399611	0.138267
1998	108688	8.225	3.06	3.492361	0.287233	1.92	2.191285	0.180225	1.25	1.426618	0.117334
1997	124991	6.594	3.06	3.57214	0.234558	1.92	2.231978	0.147174	1.25	1.453110	0.095816
1996	140780	4.939	3.06	3.620023	0.178811	1.92	2.271387	0.112195	1.25	1.478768	0.073044
1995	156051	3.952	3.06	3.680771	0.145449	1.92	2.309503	0.091262	1.25	1.503583	0.059416
1994	171229	3.952	3.06	3.741149	0.147835	1.92	2.347388	0.092759	1.25	1.528247	0.060390
1993	185561	0.945	3.06	3.798162	0.035906	1.92	2.383160	0.022529	1.25	1.551537	0.014668
1992	199036	0.945	10.20	12.899217	0.121377	6.27	7.892342	0.074611	3.90	4.909113	0.046409
1991	211826	0.276	10.20	13.008813	0.035891	6.27	7.996594	0.022063	3.90	4.973958	0.013723
1990	223775	0.653	10.20	13.167257	0.086002	6.27	8.093990	0.052866	3.90	5.034539	0.032883
1989	235471	0.550	10.20	13.322345	0.073213	6.27	8.189324	0.045004	3.90	5.093838	0.027993
<1989	270300	8.448	10.20	13.784178	1.164441	6.27	8.473215	0.715789	3.90	5.270421	0.445227
TOTAL					4.483421			2.794253			1.792746
DHB			V=30			V=60			V=80		
			NU			NU			NU		
			q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)
2003	11382	13.812	3.12	3.166165	0.437301	1.25	1.268496	0.175201	1.25	1.268496	0.175201
2002	34146	13.812	3.12	3.258496	0.450053	1.25	1.305487	0.180310	1.25	1.305487	0.180310
2001	55509	11.510	3.12	3.345145	0.385017	1.25	1.340202	0.154254	1.25	1.340202	0.154254
2000	74533	11.510	3.12	3.422306	0.393898	1.25	1.371116	0.157812	1.25	1.371116	0.157812
1999	92068	9.879	3.12	3.493428	0.345116	1.25	1.399611	0.138267	1.25	1.399611	0.138267
1998	108688	8.225	3.12	3.560839	0.292865	1.25	1.426618	0.117334	1.25	1.426618	0.117334
1997	124991	6.594	3.12	3.626963	0.239157	1.25	1.453110	0.095816	1.25	1.453110	0.095816
1996	140780	4.939	3.12	3.691004	0.182317	1.25	1.478768	0.073044	1.25	1.478768	0.073044
1995	156051	3.952	3.12	3.752943	0.148301	1.25	1.503583	0.059416	1.25	1.503583	0.059416
1994	171229	3.952	3.12	3.814505	0.150734	1.25	1.528247	0.060390	1.25	1.528247	0.060390
1993	185561	0.945	3.12	3.872635	0.036610	1.25	1.551537	0.014668	1.25	1.551537	0.014668
1992	199036	0.945	8.40	10.573473	0.099957	3.00	3.776240	0.035699	3.00	3.776240	0.035699
1991	211826	0.276	8.40	10.713140	0.029558	3.00	3.826121	0.010556	3.00	3.826121	0.010556
1990	223775	0.653	8.40	10.843623	0.070825	3.00	3.872723	0.025295	3.00	3.872723	0.025295
1989	235471	0.550	8.40	10.971343	0.060293	3.00	3.918337	0.021533	3.00	3.918337	0.021533
<1989	270300	8.448	8.40	11.351676	0.958951	3.00	4.054170	0.342483	3.00	4.054170	0.342483
TOTAL					4.280955			1.662076			1.662076

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Summary NU					
BL1		DL1		DL2	
10	11.000000	10	2.120000	10	2.700000
30	5.465125	30	0.873798	30	1.111897
60	2.625983	60	0.515606	60	0.681326
80	2.420482	80	0.396209	80	0.518640
DL3		DHLL		DHLM	
10	3.200000	10	5.800000	10	12.000000
30	1.349200	30	3.782246	30	5.205207
60	0.799977	60	1.794853	60	2.586234
80	0.599983	80	1.543838	80	2.052567
DHLH		DHB			
10	7.130000	10	9.800000		
30	4.483421	30	4.280955		
60	2.794253	60	1.662076		
80	1.792746				

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Reg. year	Acc. dr. length	V=30				V=60				V=80					
		Trafficwork (%)	NU	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)
BL1															
2008	9106	9.048	0.13	0.131539	0.011902	0.22	0.222604	0.020141	0.12	0.121421	0.010986				
2007	27317	9.048	0.13	0.134617	0.012180	0.22	0.227813	0.020612	0.12	0.124261	0.011243				
2006	44407	7.935	0.13	0.137505	0.010910	0.22	0.232700	0.018464	0.12	0.126927	0.010071				
2005	59627	7.189	0.13	0.140077	0.010070	0.22	0.237053	0.017041	0.12	0.129302	0.009295				
2004	73655	6.751	0.13	0.142448	0.009616	0.22	0.241065	0.016273	0.12	0.131490	0.008876				
2003	86951	6.461	0.13	0.144695	0.009349	0.22	0.244868	0.015822	0.12	0.133564	0.008630				
2002	99993	6.498	0.13	0.146899	0.009546	0.22	0.248598	0.016154	0.12	0.135599	0.008811				
2001	112624	5.045	0.13	0.149033	0.007518	0.22	0.252210	0.012723	0.12	0.137569	0.006940				
2000	124841	5.072	0.13	0.151098	0.007663	0.22	0.255705	0.012968	0.12	0.139475	0.007073				
1999	136983	4.983	0.13	0.153150	0.007632	0.22	0.259177	0.012916	0.12	0.141369	0.007045				
1998	148449	4.511	0.13	0.155088	0.006996	0.22	0.262456	0.011839	0.12	0.143158	0.006458				
1997	159229	4.416	0.13	0.156910	0.006929	0.22	0.265539	0.011725	0.12	0.144840	0.006396				
1996	169461	4.058	0.13	0.158639	0.006437	0.22	0.268466	0.010893	0.12	0.146436	0.005942				
1995	179020	3.086	0.13	0.160254	0.004946	0.22	0.271200	0.008370	0.12	0.147927	0.004566				
1994	188377	3.112	0.13	0.161836	0.005036	0.22	0.273876	0.008523	0.12	0.149387	0.004649				
<1994	216240	12.789	5.06	6.482427	0.829018	2.59	3.318080	0.424339	2.53	3.241213	0.414509				
TOTAL				0.955747				0.638805				0.531490			
DL1															
2008	11837	9.048	0.70	0.710772	0.064310	0.40	0.406155	0.036749	0.30	0.304616	0.027562				
2007	35511	9.048	0.70	0.732315	0.066260	0.40	0.418466	0.037863	0.30	0.313849	0.028397				
2006	57729	7.935	0.70	0.752533	0.059710	0.40	0.430019	0.034120	0.30	0.322514	0.025590				
2005	77514	7.189	0.70	0.770538	0.055392	0.40	0.440307	0.031653	0.30	0.330230	0.023740				
2004	95751	6.751	0.70	0.787133	0.053136	0.40	0.449791	0.030363	0.30	0.337343	0.022773				
2003	113063	6.461	0.70	0.802887	0.051878	0.40	0.458793	0.029645	0.30	0.344095	0.022233				
2002	129990	6.498	0.70	0.818291	0.053174	0.40	0.467595	0.030385	0.30	0.350696	0.022789				
2001	146411	5.045	0.70	0.833234	0.042033	0.40	0.476134	0.024019	0.30	0.357100	0.018014				
2000	162239	5.072	0.70	0.847637	0.042988	0.40	0.484364	0.024565	0.30	0.363273	0.018423				
1999	178078	4.983	0.70	0.862051	0.042959	0.40	0.492601	0.024548	0.30	0.369450	0.018411				
1998	192983	4.511	0.70	0.875615	0.039498	0.40	0.500351	0.022570	0.30	0.375263	0.016928				
1997	206997	4.416	0.70	0.888367	0.039227	0.40	0.507638	0.022416	0.30	0.380729	0.016812				
1996	220299	4.058	0.70	0.900472	0.036537	0.40	0.514555	0.020878	0.30	0.385917	0.015659				
1995	232726	3.086	0.70	0.911781	0.028141	0.40	0.521018	0.016081	0.30	0.390763	0.012060				
1994	244889	3.112	0.70	0.922849	0.028718	0.40	0.527342	0.016410	0.30	0.395507	0.012308				
<1994	281112	12.789	0.76	1.037739	0.132713	0.46	0.628105	0.080326	0.36	0.491560	0.062864				
TOTAL				0.836676				0.482591				0.364562			

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Reg. year	Acc. dr. length	Trafficwork (%)	V=30			V=60			V=80			
			NU	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	NU	q(basis)	q(aging)
DL2												
2008	11382	9.048	0.90	0.913317	0.082637	0.50	0.507398	0.045909	0.40	0.405919	0.036727	
2007	34146	9.048	0.90	0.939951	0.085047	0.50	0.522195	0.047248	0.40	0.417756	0.037798	
2006	55509	7.935	0.90	0.964946	0.076564	0.50	0.536081	0.042536	0.40	0.428865	0.034029	
2005	74533	7.189	0.90	0.987204	0.070968	0.50	0.548446	0.039427	0.40	0.438757	0.031541	
2004	92068	6.751	0.90	1.007720	0.068027	0.50	0.559844	0.037793	0.40	0.447875	0.030234	
2003	108688	6.461	0.90	1.027165	0.066369	0.50	0.570647	0.036872	0.40	0.456518	0.029498	
2002	124991	6.498	0.90	1.046239	0.067987	0.50	0.581244	0.037770	0.40	0.464995	0.030216	
2001	140780	5.045	0.90	1.064713	0.053710	0.50	0.591507	0.029839	0.40	0.473206	0.023871	
2000	156051	5.072	0.90	1.082580	0.054903	0.50	0.601433	0.030502	0.40	0.481147	0.024401	
1999	171229	4.983	0.90	1.100338	0.054833	0.50	0.611299	0.030463	0.40	0.489039	0.024370	
1998	185561	4.511	0.90	1.117106	0.050392	0.50	0.620615	0.027995	0.40	0.496492	0.022396	
1997	199036	4.416	0.90	1.132872	0.050024	0.50	0.629373	0.027791	0.40	0.503499	0.022233	
1996	211826	4.058	0.90	1.147836	0.046574	0.50	0.637687	0.025874	0.40	0.510150	0.020700	
1995	223775	3.086	0.90	1.161817	0.035858	0.50	0.645454	0.019921	0.40	0.516363	0.015937	
1994	235471	3.112	0.90	1.175501	0.036580	0.50	0.653056	0.020322	0.40	0.522445	0.016258	
<1994	270300	12.789	0.99	1.337876	0.171097	0.67	0.905431	0.115793	0.49	0.662181	0.084684	
TOTAL				1.071570			0.616056				0.484895	
DL3												
2008	11382	9.048	1.10	1.116276	0.101000	0.60	0.608878	0.055091	0.45	0.456658	0.041318	
2007	34146	9.048	1.10	1.148829	0.103946	0.60	0.626634	0.056698	0.45	0.469975	0.042523	
2006	55509	7.935	1.10	1.179378	0.093578	0.60	0.643297	0.051043	0.45	0.482473	0.038282	
2005	74533	7.189	1.10	1.206582	0.086739	0.60	0.658136	0.047312	0.45	0.493602	0.035484	
2004	92068	6.751	1.10	1.231657	0.083144	0.60	0.671813	0.045351	0.45	0.503860	0.034013	
2003	108688	6.461	1.10	1.255424	0.081118	0.60	0.684777	0.044246	0.45	0.513582	0.033185	
2002	124991	6.498	1.10	1.278737	0.083095	0.60	0.697493	0.045324	0.45	0.523120	0.033993	
2001	140780	5.045	1.10	1.301315	0.065646	0.60	0.709608	0.035807	0.45	0.532356	0.026855	
2000	156051	5.072	1.10	1.323153	0.067104	0.60	0.721720	0.036602	0.45	0.541290	0.027452	
1999	171229	4.983	1.10	1.344857	0.067019	0.60	0.733559	0.036556	0.45	0.550169	0.027417	
1998	185561	4.511	1.10	1.365352	0.061590	0.60	0.744738	0.033594	0.45	0.558553	0.025196	
1997	199036	4.416	1.10	1.384621	0.061140	0.60	0.755248	0.033349	0.45	0.566436	0.025012	
1996	211826	4.058	1.10	1.402911	0.056924	0.60	0.765224	0.031049	0.45	0.573918	0.023287	
1995	223775	3.086	1.10	1.419998	0.043827	0.60	0.774545	0.023905	0.45	0.580908	0.017929	
1994	235471	3.112	1.10	1.436724	0.044709	0.60	0.783667	0.024387	0.45	0.587751	0.018290	
<1994	270300	12.789	1.19	1.608154	0.205662	0.77	1.040570	0.133075	0.58	0.783806	0.100239	
TOTAL				1.306240			0.733391				0.550475	

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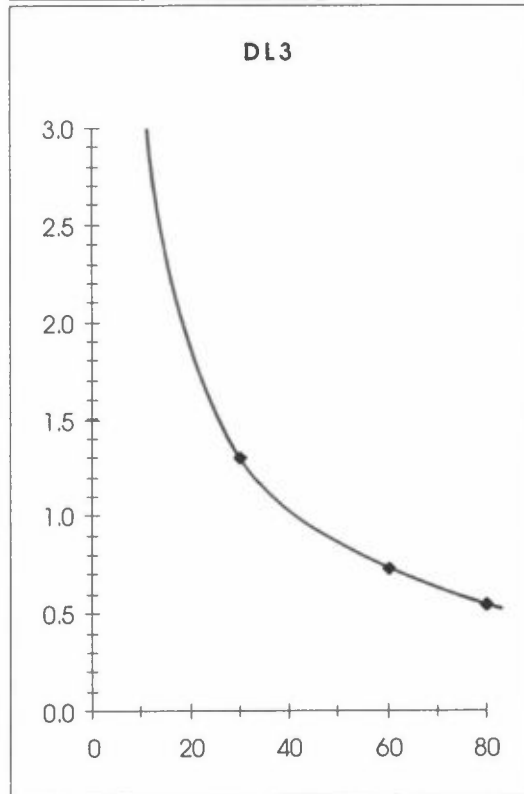
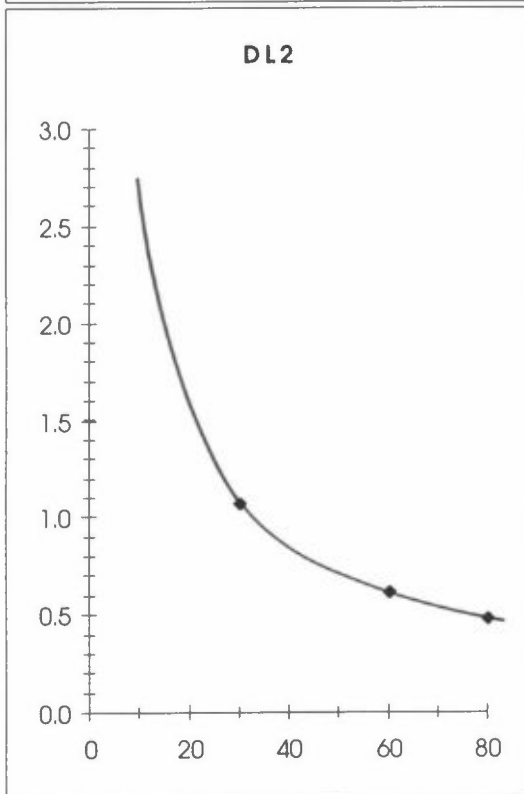
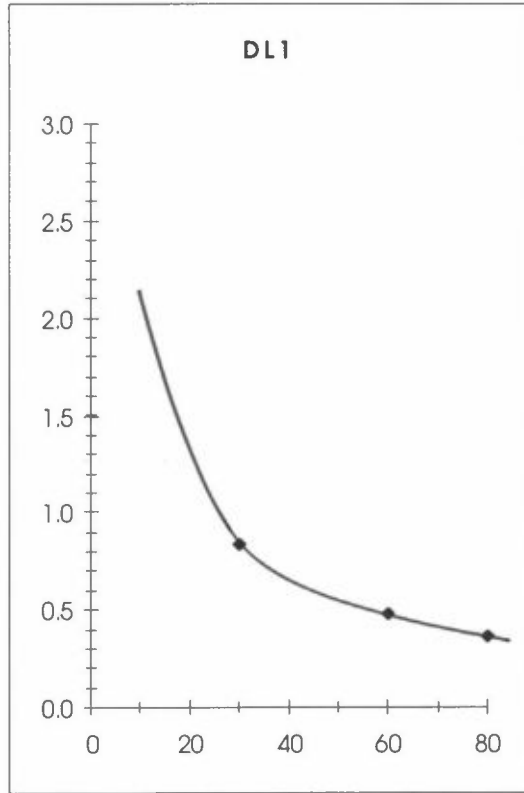
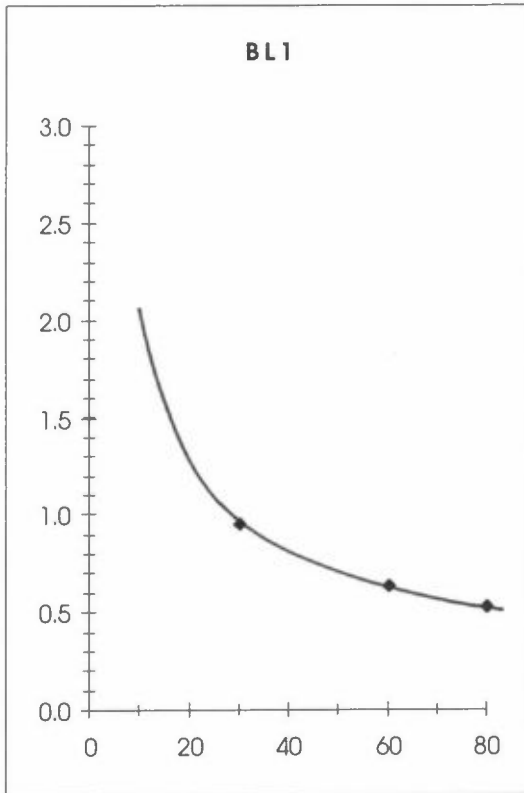
Reg. year	Acc. dr. length	Trafficwork (%)				V=30				V=60				V=80			
		Acc. dr. length	Trafficwork (%)	q(basis)	NU	q(basis)	NU	q(aging)	q(weighted)	q(basis)	NU	q(aging)	q(weighted)	q(basis)	NU	q(aging)	q(weighted)
DHLL																	
2008	12800	12.572	2.52	2.561933	0.322074	1.19	1.209802	0.152091	1.02	1.036973	0.130363						
2007	38400	12.572	2.52	2.645798	0.332617	1.19	1.249405	0.157069	1.02	1.070918	0.134631						
2006	64000	12.572	2.52	2.729664	0.343160	1.19	1.289008	0.162048	1.02	1.104864	0.138898						
2005	89600	12.572	2.52	2.813530	0.353704	1.19	1.328611	0.167027	1.02	1.138810	0.143166						
2004	113375	10.790	2.52	2.891417	0.311994	1.19	1.365391	0.147330	1.02	1.170335	0.126283						
2003	133500	8.983	2.52	2.957346	0.265669	1.19	1.396525	0.125455	1.02	1.197021	0.107533						
2002	149975	7.202	2.52	3.011318	0.216880	1.19	1.422011	0.102416	1.02	1.218867	0.087785						
2001	162775	4.496	2.52	3.053251	0.137273	1.19	1.441813	0.064824	1.02	1.235840	0.055563						
2000	173725	4.496	2.52	3.089123	0.138886	1.19	1.458753	0.065585	1.02	1.250359	0.056216						
1999	184675	4.496	2.52	3.124995	0.140499	1.19	1.475692	0.066347	1.02	1.264879	0.056869						
1998	192650	1.076	2.52	3.151121	0.033893	1.19	1.488030	0.016005	1.02	1.275454	0.013719						
1997	197650	1.076	2.52	3.167501	0.034069	1.19	1.495765	0.016088	1.02	1.282084	0.013790						
1996	202650	1.076	2.52	3.183881	0.034246	1.19	1.503500	0.016172	1.02	1.288714	0.013861						
1995	207650	0.860	2.52	3.200261	0.027537	1.19	1.511235	0.013004	1.02	1.295344	0.011146						
1994	212650	0.860	2.52	3.216641	0.027678	1.19	1.518970	0.013070	1.02	1.301974	0.011203						
<1994	230150	4.302	8.09	10.512344	0.452260	3.87	5.031597	0.216478	3.35	4.354159	0.187332						
TOTAL					3.172461			1.501008			1.288358						
DHLM																	
2008	24350	12.572	3.84	3.961555	0.498028	1.89	1.949828	0.245123	1.50	1.547483	0.194542						
2007	73050	12.572	3.84	4.204666	0.528591	1.89	2.069484	0.260166	1.50	1.642448	0.206481						
2006	12175	12.572	3.84	3.900778	0.490387	1.89	1.919914	0.241363	1.50	1.523741	0.191558						
2005	170450	12.572	3.84	4.690886	0.589716	1.89	2.308796	0.290251	1.50	1.832378	0.230358						
2004	215700	10.790	3.84	4.916774	0.530537	1.89	2.419975	0.261124	1.50	1.920615	0.207241						
2003	254000	8.983	3.84	5.107968	0.458867	1.89	2.514078	0.225848	1.50	1.995300	0.179245						
2002	285350	7.202	3.84	5.264467	0.379156	1.89	2.591105	0.186616	1.50	2.056433	0.148108						
2001	309750	4.496	3.84	5.386272	0.242166	1.89	2.651056	0.119191	1.50	2.104013	0.094596						
2000	330650	4.496	3.84	5.490605	0.246856	1.89	2.702407	0.121500	1.50	2.144768	0.096428						
1999	351550	4.496	3.84	5.594938	0.251547	1.89	2.753758	0.123808	1.50	2.185523	0.098261						
1998	364500	1.076	3.84	5.659584	0.060874	1.89	2.785577	0.029961	1.50	2.210775	0.023779						
1997	369500	1.076	3.84	5.684544	0.061143	1.89	2.797862	0.030094	1.50	2.220525	0.023884						
1996	374500	1.076	3.84	5.709504	0.061411	1.89	2.810147	0.030226	1.50	2.230275	0.023989						
1995	379500	0.860	3.84	5.734464	0.049344	1.89	2.822432	0.024286	1.50	2.240025	0.019275						
1994	384500	0.860	3.84	5.759424	0.049558	1.89	2.834717	0.024392	1.50	2.249775	0.019359						
<1994	402000	4.302	9.03	13.755603	0.591817	4.59	6.988734	0.300681	3.64	5.546614	0.238636						
TOTAL					5.089997			2.514629			1.95737						

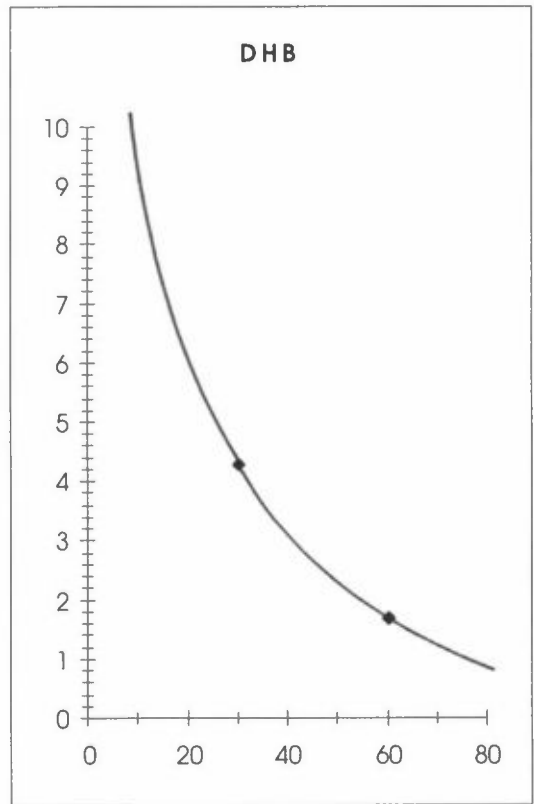
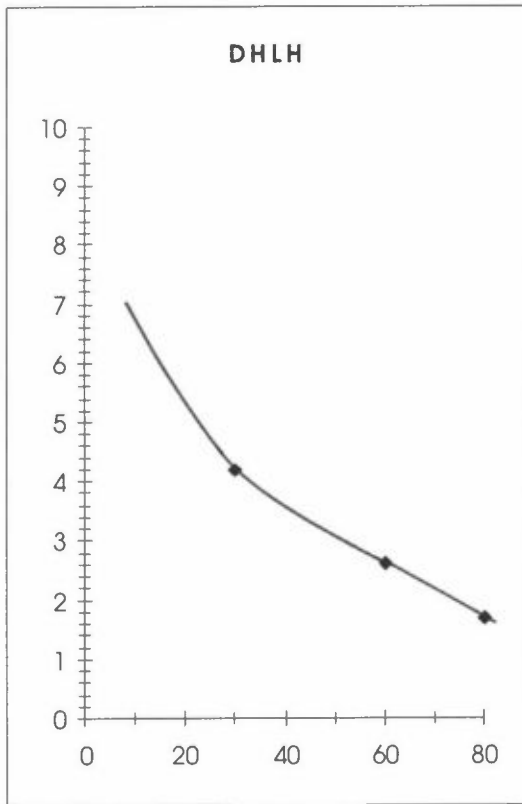
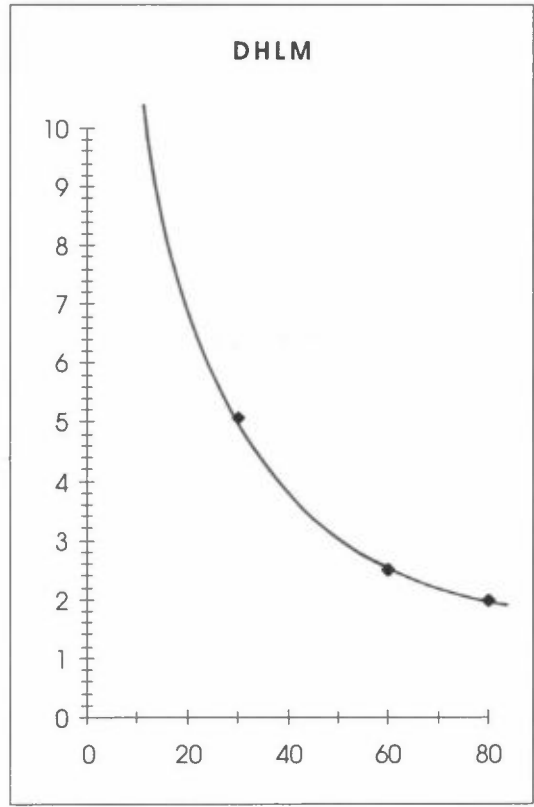
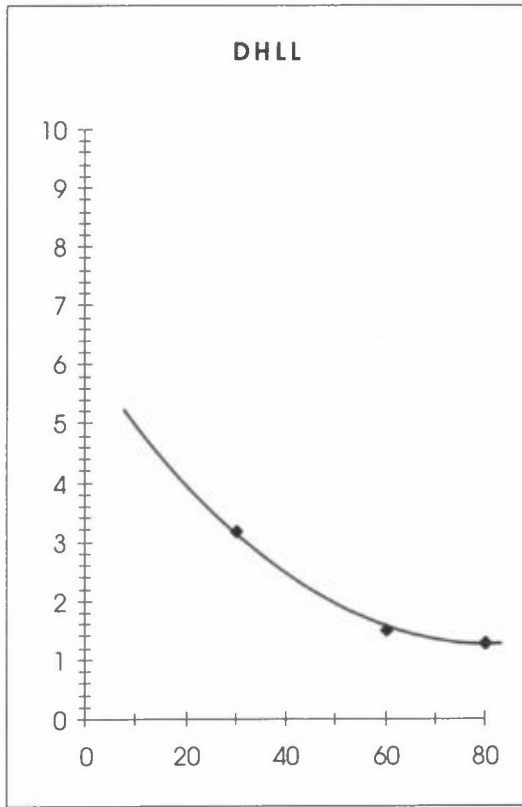
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Reg. year	Acc. dr. length	Trafficwork (%)			V=30			V=60			V=80			
		Acc. dr. length	Trafficwork (%)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)
DHLH														
2008	24350	12.572	3.06	3.156864	0.396866	1.92	1.980778	0.249014	1.25	1.289569	0.162118			
2007	73050	12.572	3.06	3.350593	0.421221	1.92	2.102333	0.264295	1.25	1.368706	0.172067			
2006	12175	12.572	3.06	3.108432	0.390777	1.92	1.950389	0.245194	1.25	1.269784	0.159631			
2005	170450	12.572	3.06	3.738050	0.469930	1.92	2.345443	0.294858	1.25	1.526981	0.191965			
2004	215700	10.790	3.06	3.918055	0.422772	1.92	2.458387	0.265268	1.25	1.600513	0.172701			
2003	254000	8.983	3.06	4.070412	0.365659	1.92	2.553984	0.229433	1.25	1.662750	0.149371			
2002	285350	7.202	3.06	4.195122	0.302140	1.92	2.632234	0.189578	1.25	1.713694	0.123423			
2001	309750	4.496	3.06	4.292186	0.192976	1.92	2.693136	0.121083	1.25	1.753344	0.078830			
2000	330650	4.496	3.06	4.375326	0.196714	1.92	2.745302	0.123428	1.25	1.787306	0.080357			
1999	351550	4.496	3.06	4.458486	0.200452	1.92	2.797469	0.125774	1.25	1.821269	0.081884			
1998	364500	1.076	3.06	4.509981	0.048509	1.92	2.829792	0.030437	1.25	1.842313	0.019816			
1997	369500	1.076	3.06	4.529871	0.048723	1.92	2.842272	0.030571	1.25	1.850438	0.019993			
1996	374500	1.076	3.06	4.549761	0.048937	1.92	2.854752	0.030706	1.25	1.858563	0.019991			
1995	379500	0.860	3.06	4.569651	0.039321	1.92	2.867232	0.024672	1.25	1.866688	0.016062			
1994	384500	0.860	3.06	4.589541	0.039492	1.92	2.879712	0.024779	1.25	1.874813	0.016132			
<1994	402000	4.302	9.18	13.977488	0.601362	5.65	8.600515	0.370026	3.52	5.361727	0.230681			
TOTAL					4.185850			2.619116			1.694933			
DHB														
2008	24000	12.572	3.12	3.217344	0.404469	1.25	1.289000	0.162047	1.25	1.289000	0.162047			
2007	72000	12.572	3.12	3.412032	0.428945	1.25	1.367000	0.171853	1.25	1.367000	0.171853			
2006	120000	12.572	3.12	3.606720	0.453420	1.25	1.450000	0.181659	1.25	1.450000	0.181659			
2005	168000	12.572	3.12	3.801408	0.477895	1.25	1.523000	0.191464	1.25	1.523000	0.191464			
2004	216000	10.790	3.12	3.996096	0.431193	1.25	1.601000	0.172753	1.25	1.601000	0.172753			
2003	261800	8.983	3.12	4.181861	0.375671	1.25	1.675425	0.150509	1.25	1.675425	0.150509			
2002	303200	7.202	3.12	4.349779	0.313278	1.25	1.742700	0.125512	1.25	1.742700	0.125512			
2001	340200	4.496	3.12	4.499851	0.202312	1.25	1.802825	0.081055	1.25	1.802825	0.081055			
2000	372800	4.496	3.12	4.632077	0.208257	1.25	1.855800	0.083436	1.25	1.855800	0.083436			
1999	401000	4.496	3.12	4.746456	0.213400	1.25	1.901625	0.085497	1.25	1.901625	0.085497			
1998	424800	1.076	3.12	4.842989	0.052091	1.25	1.940300	0.020870	1.25	1.940300	0.020870			
1997	443200	1.076	3.12	4.917619	0.052894	1.25	1.970200	0.021191	1.25	1.970200	0.021191			
1996	457200	1.076	3.12	4.974403	0.053504	1.25	1.992950	0.021436	1.25	1.992950	0.021436			
1995	468800	0.860	3.12	5.021453	0.043208	1.25	2.011800	0.017311	1.25	2.011800	0.017311			
1994	478000	0.860	3.12	5.058768	0.043529	1.25	2.026750	0.017440	1.25	2.026750	0.017440			
<1994	497000	4.302	7.65	12.585610	0.541480	2.75	4.526775	0.194759	2.75	4.526775	0.194759			
TOTAL					4.295546			1.698792			1.698792			

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Summary NU					
BL1		DL1		DL2	
10	1.920000	10	2.020000	10	2.600000
30	0.955747	30	0.836676	30	1.071570
60	0.638805	60	0.482591	60	0.616056
80	0.531490	80	0.364562	80	0.484895
DL3		DHLL		DHLM	
10	3.100000	10	4.800000	10	11.700000
30	1.306240	30	3.172461	30	5.089997
60	0.733391	60	1.501008	60	2.514629
80	0.550475	80	1.288358	80	1.995737
DHLH		DHB			
10	6.700000	10	9.900000		
30	4.185850	30	4.295546		
60	2.619116	60	1.698792		
80	1.694933				





Appendix G:

Emission factors (g/km) for NO_x from National Emission Model (NU) for the years 1993, 1998, 2003 og 2008. Emission curves for ROADAIR 3.11

NO_x 1993								
	10	20	30	40	50	60	70	80
BL1	1.71	1.62	1.63	1.75	1.93	2.18	2.32	2.48
DL1	1.00	0.82	0.72	0.70	0.71	0.71	0.67	0.60
DL2	1.43	1.11	1.03	1.00	0.96	0.91	0.86	0.75
DL3	1.63	1.38	1.14	1.05	1.03	1.03	0.95	0.86
DHLL	13.66	10.75	8.81	7.25	6.45	6.27	6.35	6.59
DHLM	22.20	17.10	14.77	14.25	13.75	13.09	12.50	11.48
DHLH	24.00	18.75	16.02	15.50	15.25	15.16	14.50	12.46
DHB	26.96	22.00	18.60	15.50	13.50	11.65	10.25	9.25
NO_x 1998								
BL1	1.16	1.10	1.11	1.19	1.31	1.48	1.58	1.68
DL1	1.01	0.84	0.72	0.69	0.71	0.70	0.66	0.60
DL2	1.38	1.11	1.00	0.96	0.92	0.28	0.82	0.75
DL3	1.59	1.23	1.11	1.07	1.04	1.00	0.92	0.86
DHLL	11.60	9.10	7.48	6.40	5.75	5.28	5.40	5.76
DHLM	15.10	11.25	10.06	9.70	9.30	8.86	8.55	7.98
DHLH	17.06	12.85	11.38	10.75	10.65	10.56	9.75	8.61
DHB	22.32	17.30	14.98	13.00	11.25	9.51	7.80	6.25
NO_x 2003								
BL1	0.61	0.56	0.58	0.63	0.69	0.78	0.82	0.88
DL1	0.99	0.77	0.72	0.71	0.70	0.68	0.65	0.60
DL2	1.33	1.06	0.96	0.87	0.85	0.84	0.80	0.74
DL3	1.53	1.16	1.07	1.03	0.99	0.96	0.91	0.80
DHLL	8.43	6.80	5.44	4.50	3.90	3.82	3.85	4.21
DHLM	9.95	7.40	6.63	6.30	6.00	5.83	5.80	5.32
DHLH	11.50	8.70	7.67	7.20	7.15	7.05	6.50	5.73
DHB	15.93	12.60	10.69	9.15	7.85	6.82	5.80	5.00
NO_x 2008								
BL1	0.19	0.18	0.18	0.19	0.21	0.24	0.24	0.25
DL1	0.98	0.81	0.71	0.67	0.66	0.65	0.64	0.59
DL2	1.28	1.04	0.92	0.89	0.82	0.81	0.78	0.74
DL3	1.48	1.14	1.03	0.98	0.96	0.92	0.88	0.85
DHLL	7.04	5.62	4.54	3.70	3.25	3.18	3.35	3.54
DHLM	7.79	6.00	5.20	4.82	4.68	4.56	4.35	4.19
DHLH	9.14	6.80	6.09	5.80	5.70	5.56	4.20	4.51
DHB	13.08	10.60	8.78	7.55	6.60	5.62	4.70	3.80

NOX1993.xls

Reg.year DL2	Acc. dr. length	Trafficwork (%)	V=30			V=60			V=80		
			q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)
93	11382	6.238	0.80	0.809106	0.050475	0.70	0.707967	0.044166	0.65	0.657398	0.041011
92	34146	6.238	0.90	0.930731	0.058063	0.80	0.827317	0.051611	0.65	0.672195	0.041934
91	55509	2.197	0.90	0.949958	0.020873	0.80	0.844407	0.018554	0.65	0.686081	0.015075
90	74533	4.745	0.90	0.967080	0.045890	0.80	0.859626	0.040791	0.65	0.698446	0.033143
89	92068	3.959	0.90	0.982861	0.038915	0.80	0.873654	0.034591	0.65	0.709844	0.028106
88	108688	4.743	0.90	0.997819	0.047325	0.80	0.886950	0.042066	0.65	0.720647	0.034179
87	124991	8.048	0.90	1.012492	0.081482	0.80	0.899993	0.072429	0.65	0.731244	0.058848
86	140780	11.019	0.90	1.026702	0.113133	0.80	0.912624	0.100563	0.65	0.741507	0.081707
85	156051	10.577	0.90	1.040446	0.110047	0.80	0.924841	0.097820	0.65	0.751433	0.079478
84	171229	6.940	0.90	1.054106	0.073154	0.80	0.936983	0.065026	0.65	0.761299	0.052833
83	185561	6.372	0.90	1.067005	0.067986	0.80	0.948449	0.060432	0.65	0.770615	0.049101
82	199036	6.197	0.90	1.079132	0.066875	0.80	0.959229	0.059445	0.65	0.779373	0.048299
81	211826	4.896	0.90	1.090643	0.053400	0.80	0.969461	0.047466	0.65	0.787687	0.038566
80	223775	4.097	0.90	1.101398	0.045127	0.80	0.979020	0.040113	0.65	0.795454	0.032592
79	235471	3.735	0.90	1.111924	0.041534	0.80	0.988377	0.036919	0.65	0.803056	0.029996
<79	270300	9.997	0.90	1.143270	0.114298	0.80	1.016240	0.101599	0.65	0.825695	0.082549
TOTAL					1.028577			0.913589			0.747418
Reg.year DL3			V=30			V=60			V=80		
			q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)
93	11382	6.238	0.90	0.910244	0.056785	0.80	0.809106	0.050475	0.75	0.758537	0.047320
92	34146	6.238	1.00	1.034146	0.064514	0.90	0.930731	0.058063	0.75	0.775610	0.048386
91	55509	2.197	1.00	1.055509	0.023192	0.90	0.949958	0.020873	0.75	0.791632	0.017394
90	74533	4.745	1.00	1.074533	0.050989	0.90	0.967080	0.045890	0.75	0.805900	0.038241
89	92068	3.959	1.00	1.092068	0.043239	0.90	0.982861	0.038915	0.75	0.819051	0.032429
88	108688	4.743	1.00	1.108688	0.052583	0.90	0.997819	0.047325	0.75	0.831516	0.039437
87	124991	8.048	1.00	1.124991	0.090536	0.90	1.012492	0.081482	0.75	0.843743	0.067902
86	140780	11.019	1.00	1.140780	0.125703	0.90	1.026702	0.113133	0.75	0.855585	0.094277
85	156051	10.577	1.00	1.156051	0.122275	0.90	1.040446	0.110047	0.75	0.867038	0.091706
84	171229	6.940	1.00	1.171229	0.081282	0.90	1.054106	0.073154	0.75	0.878422	0.060962
83	185561	6.372	1.00	1.185561	0.075540	0.90	1.067005	0.067986	0.75	0.889171	0.056655
82	199036	6.197	1.00	1.199036	0.074306	0.90	1.079132	0.066875	0.75	0.899277	0.055730
81	211826	4.896	1.00	1.211826	0.059333	0.90	1.090643	0.053400	0.75	0.908870	0.044500
80	223775	4.097	1.00	1.223775	0.050141	0.90	1.101398	0.045127	0.75	0.917831	0.037606
79	235471	3.735	1.00	1.235471	0.046148	0.90	1.111924	0.041534	0.75	0.926603	0.034611
<79	270300	9.997	1.00	1.270300	0.126998	0.90	1.143270	0.114298	0.75	0.952725	0.095249
TOTAL					1.143564			1.028577			0.862405

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Reg.year DHLL	Acc. dr. length	Trafficwork (%)	V=30			V=60			V=80		
			q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)
93	12800	12.087	7.77	7.799837	0.942768	5.44	5.460890	0.660059	6.29	6.314154	0.763193
92	38400	12.087	8.58	8.678842	1.049013	6.12	6.190502	0.748247	6.63	6.630229	0.801397
91	64000	3.528	8.58	8.744736	0.308476	6.12	6.237504	0.220032	6.63	6.630382	0.233891
90	89600	8.351	8.58	8.810630	0.735773	6.12	6.284506	0.524817	6.63	6.630535	0.553714
89	113375	6.031	8.58	8.871827	0.535044	6.12	6.328157	0.381639	6.63	6.630677	0.399884
88	133500	8.324	8.58	8.923629	0.742761	6.12	6.365106	0.529802	6.63	6.630797	0.551917
87	149975	9.750	8.58	8.966036	0.874183	6.12	6.395354	0.623543	6.63	6.630895	0.646508
86	162775	8.818	8.58	8.998983	0.793494	6.12	6.418855	0.565989	6.63	6.630971	0.584692
85	173725	6.976	8.58	9.027168	0.629755	6.12	6.438959	0.449196	6.63	6.631037	0.462596
84	184675	5.481	8.58	9.055353	0.496313	6.12	6.459063	0.354013	6.63	6.631102	0.363442
83	192650	1.301	8.58	9.075881	0.118065	6.12	6.473705	0.084214	6.63	6.631150	0.086262
82	197650	1.484	8.58	9.088751	0.134893	6.12	6.482885	0.096217	6.63	6.631179	0.098418
81	202650	1.302	8.58	9.101621	0.118534	6.12	6.492065	0.084549	6.63	6.631209	0.086361
80	207650	1.169	8.58	9.114491	0.106576	6.12	6.501245	0.076019	6.63	6.631239	0.077539
79	212650	1.146	8.58	9.127361	0.104568	6.12	6.510425	0.074587	6.63	6.631269	0.075971
<79	230150	12.166	8.58	9.172406	1.115925	6.12	6.542555	0.795975	6.63	6.631373	0.806781
TOTAL				8.806141				6.268898			6.592566
Reg.year DHLM	Acc. dr. length	Trafficwork (%)	V=30			V=60			V=80		
93	24350	12.087	8.32	8.380778	1.012986	7.29	7.343253	0.887581	6.75	6.799309	0.821834
92	73050	12.087	14.52	14.838206	1.793497	12.88	13.162265	1.590926	11.25	11.496544	1.389590
91	12175	3.528	14.52	14.573034	0.514073	12.88	12.927044	0.456010	11.25	11.291091	0.398301
90	170450	8.351	14.52	15.262480	1.274565	12.88	13.538619	1.130606	11.25	11.825269	0.987525
89	215700	6.031	14.52	15.459589	0.932339	12.88	13.713465	0.827034	11.25	11.977988	0.722370
88	254000	8.324	14.52	15.626424	1.300671	12.88	13.861456	1.153763	11.25	12.107250	1.007751
87	285350	9.750	14.52	15.762985	1.536881	12.88	13.982592	1.363293	11.25	12.213056	1.190765
86	309750	8.818	14.52	15.869271	1.399288	12.88	14.076874	1.241242	11.25	12.295406	1.084159
85	330650	6.976	14.52	15.960311	1.113427	12.88	14.157632	0.987668	11.25	12.365944	0.862676
84	351550	5.481	14.52	16.051352	0.879754	12.88	14.238389	0.780388	11.25	12.436481	0.681628
83	364500	1.301	14.52	16.107762	0.209540	12.88	14.288428	0.185873	11.25	12.480188	0.162351
82	369500	1.484	14.52	16.129542	0.239390	12.88	14.307748	0.212351	11.25	12.497063	0.185478
81	374500	1.302	14.52	16.151322	0.210346	12.88	14.327068	0.186588	11.25	12.513938	0.162975
80	379500	1.169	14.52	16.173102	0.189112	12.88	14.346388	0.167753	11.25	12.530813	0.146523
79	384500	1.146	14.52	16.194882	0.185537	12.88	14.365708	0.164581	11.25	12.547688	0.143752
<79	402000	12.166	14.52	16.271112	1.979562	12.88	14.433328	1.755975	11.25	12.606750	1.539752
TOTAL				14.770969				13.091631			11.481428

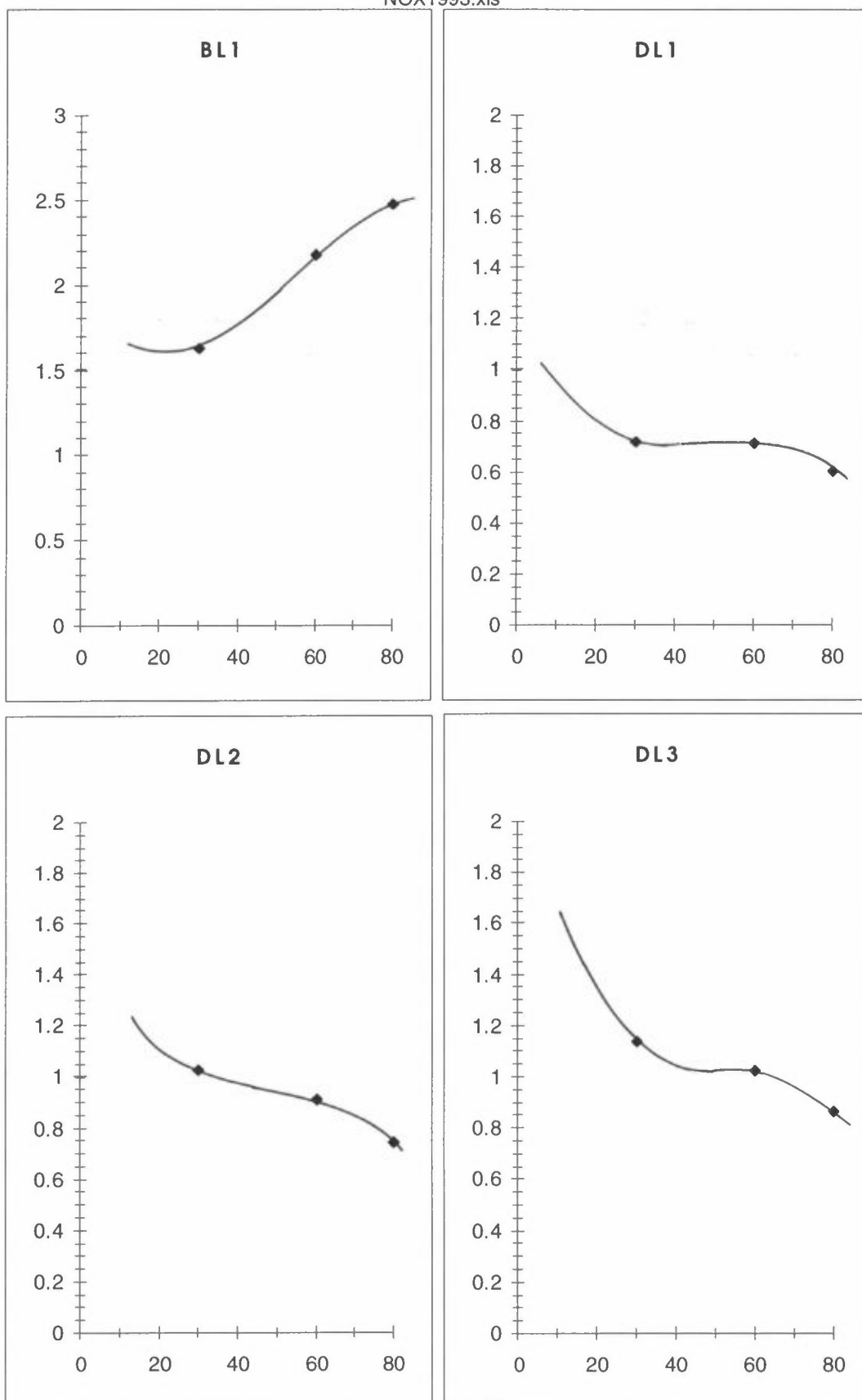
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Reg.year DHLH	Acc. dr. length	Trafficwork (%)	V=30			V=60			V=80		
			q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)
93	24350	12.087	9.86	9.932027	1.200486	8.96	9.025453	1.090908	7.25	7.302961	0.882710
92	73050	12.087	15.64	15.982751	1.931838	14.85	15.175438	1.834258	12.22	12.487801	1.509403
91	12175	3.528	15.64	15.697125	0.553726	14.85	14.904240	0.525757	12.22	12.264634	0.432643
90	170450	8.351	15.64	16.439751	1.372879	14.85	15.609355	1.303533	12.22	12.844870	1.072571
89	215700	6.031	15.64	16.652064	1.004255	14.85	15.810944	0.953529	12.22	13.010756	0.784655
88	254000	8.324	15.64	16.831768	1.400998	14.85	15.981570	1.330231	12.22	13.151164	1.094842
87	285350	9.750	15.64	16.978862	1.655428	14.85	16.121234	1.571810	12.22	13.266093	1.293435
86	309750	8.818	15.64	17.093347	1.507222	14.85	16.229936	1.431090	12.22	13.355544	1.177638
85	330650	6.976	15.64	17.191410	1.199311	14.85	16.323046	1.138732	12.22	13.432163	0.937057
84	351550	5.481	15.64	17.289473	0.947614	14.85	16.416155	0.899749	12.22	13.508782	0.740399
83	364500	1.301	15.64	17.350234	0.225703	14.85	16.473848	0.214303	12.22	13.556257	0.176349
82	369500	1.484	15.64	17.373694	0.257855	14.85	16.496123	0.244831	12.22	13.574587	0.201470
81	374500	1.302	15.64	17.397154	0.226571	14.85	16.518398	0.215126	12.22	13.592917	0.177027
80	379500	1.169	15.64	17.420614	0.203699	14.85	16.540673	0.193410	12.22	13.611247	0.159156
79	384500	1.146	15.64	17.444074	0.199848	14.85	16.562948	0.189753	12.22	13.629577	0.156147
<79	402000	12.166	15.64	17.526184	2.132256	14.85	16.640910	2.024552	12.22	13.693732	1.665995
TOTAL					16.019691			15.161573			12.461398
Reg.year DHB	Acc. dr. length	Trafficwork (%)	V=30			V=60			V=80		
93	24000	12.087	14.43	14.533896	1.756715	9.25	9.316600	1.126099	NU	q(aging)	q(weighted)
92	72000	12.087	17.60	17.980160	2.173266	11.00	11.237600	1.358291	NU	q(aging)	q(weighted)
91	120000	3.528	17.60	18.233600	0.643202	11.00	11.396000	0.402001	NU	q(aging)	q(weighted)
90	168000	8.351	17.60	18.487040	1.543847	11.00	11.554400	0.964904	NU	q(aging)	q(weighted)
89	216000	6.031	17.60	18.740480	1.130204	11.00	11.712800	0.706377	NU	q(aging)	q(weighted)
88	261800	8.324	17.60	18.982304	1.579998	11.00	11.863940	0.987499	NU	q(aging)	q(weighted)
87	303200	9.750	17.60	19.200896	1.872075	11.00	12.000560	1.170047	NU	q(aging)	q(weighted)
86	340200	8.818	17.60	19.396256	1.710284	11.00	12.122660	1.068927	NU	q(aging)	q(weighted)
85	372800	6.976	17.60	19.568384	1.365134	11.00	12.230240	0.853209	NU	q(aging)	q(weighted)
84	401000	5.481	17.60	19.717280	1.080679	11.00	12.323300	0.675425	NU	q(aging)	q(weighted)
83	424800	1.301	17.60	19.842944	0.258130	11.00	12.401840	0.161331	NU	q(aging)	q(weighted)
82	443200	1.484	17.60	19.940096	0.295945	11.00	12.462560	0.184966	NU	q(aging)	q(weighted)
81	457200	1.302	17.60	20.014016	0.260651	11.00	12.508760	0.162907	NU	q(aging)	q(weighted)
80	468800	1.169	17.60	20.075264	0.234740	11.00	12.547040	0.146713	NU	q(aging)	q(weighted)
79	478000	1.146	17.60	20.123840	0.230549	11.00	12.577400	0.144093	NU	q(aging)	q(weighted)
<79	497000	12.166	17.60	20.224160	2.460495	11.00	12.640100	1.537809	NU	q(aging)	q(weighted)
TOTAL					18.595914			11.650599			

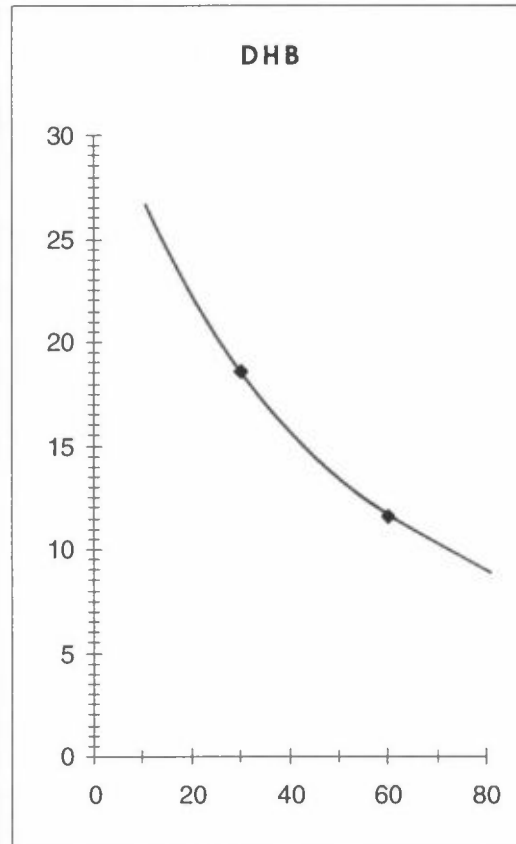
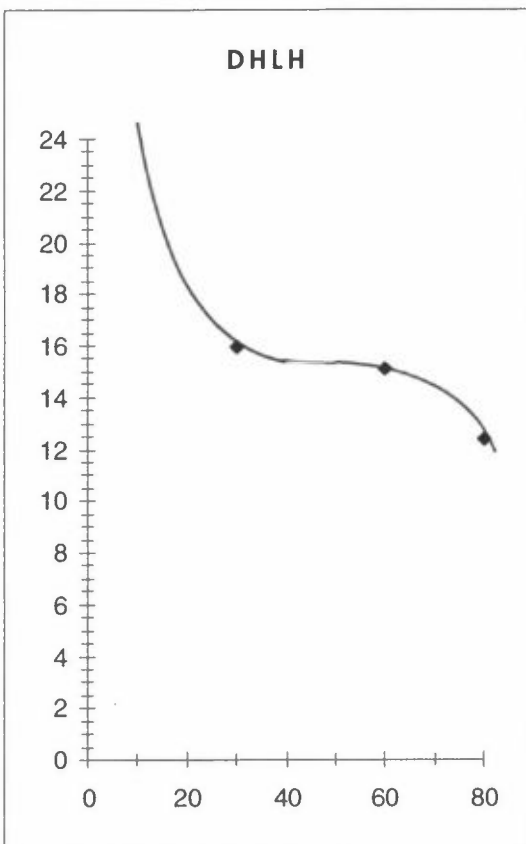
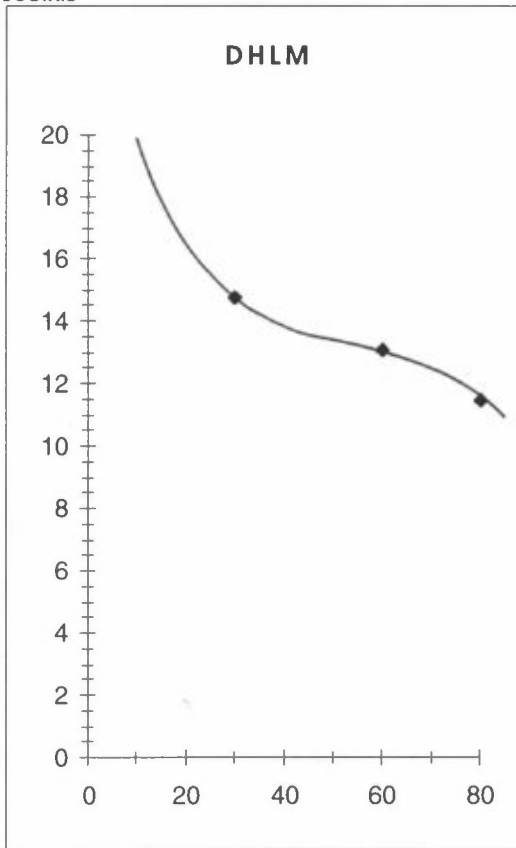
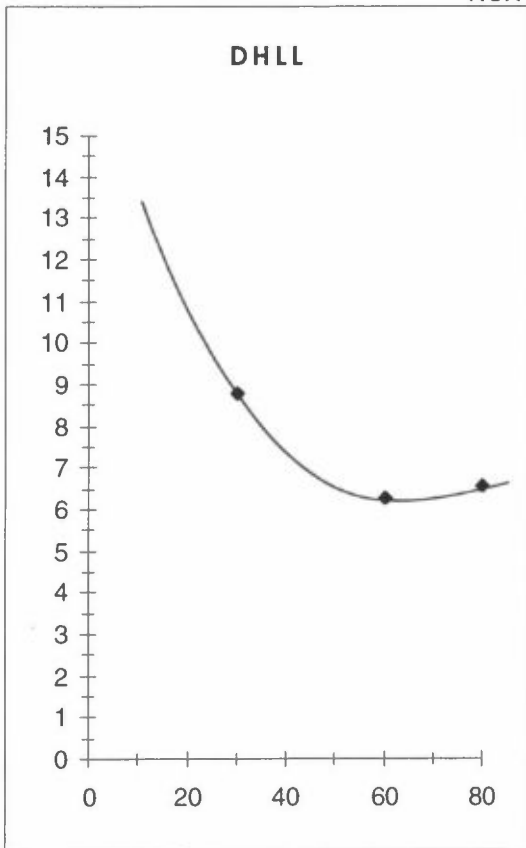
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Summary NU						
BL1			DL1		DL2	
10	1.710000		10	1.000000	10	1.430000
30	1.627765		30	0.721574	30	1.028577
60	2.182185		60	0.713962	60	0.913589
80	2.481961		80	0.601311	80	0.747418
DL3			DHLL		DHLM	
10	1.630000		10	13.660000	10	22.200000
30	1.143564		30	8.806141	30	14.770969
60	1.028577		60	6.268898	60	13.091631
80	0.862405		80	6.592566	80	11.481428
DHLH			DHB			
10	24.000000		10	26.960000		
30	16.019691		30	18.595914		
60	15.161573		60	11.650599		
80	12.461398		80			

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Reg.year DL2	Acc. dr. length	Trafficwork (%)		V=30		V=60		V=80					
		Acc. dr. length	Trafficwork (%)	NU	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)
98	11382	8.026	0.80	0.80	0.064940	0.809106	0.064940	0.70	0.707967	0.056823	0.65	0.657398	0.052764
97	34146	8.026	0.80	0.80	0.066402	0.827317	0.066402	0.70	0.723902	0.058101	0.65	0.672195	0.053951
96	55509	7.038	0.80	0.80	0.059433	0.844407	0.059433	0.70	0.738856	0.052004	0.65	0.686081	0.048290
95	74533	5.102	0.80	0.80	0.043854	0.859626	0.043854	0.70	0.752173	0.038372	0.65	0.698446	0.035632
94	92068	4.791	0.80	0.80	0.041853	0.873654	0.041853	0.70	0.764448	0.036621	0.65	0.709844	0.034006
93	108688	4.585	0.80	0.80	0.040670	0.886950	0.040670	0.70	0.776082	0.035586	0.65	0.720647	0.033044
92	124991	4.611	0.90	0.90	0.046691	1.012492	0.046691	0.80	0.899993	0.041503	0.65	0.731244	0.033721
91	140780	1.725	0.90	0.90	0.017715	1.026702	0.017715	0.80	0.912624	0.015747	0.65	0.741507	0.012794
90	156051	4.135	0.90	0.90	0.043019	1.040446	0.043019	0.80	0.924841	0.038239	0.65	0.751433	0.031069
89	171229	3.610	0.90	0.90	0.038054	1.054106	0.038054	0.80	0.936983	0.033825	0.65	0.761299	0.027483
88	185561	4.090	0.90	0.90	0.043636	1.067005	0.043636	0.80	0.948449	0.038788	0.65	0.770615	0.031515
87	199036	6.754	0.90	0.90	0.072888	1.079132	0.072888	0.80	0.959229	0.064789	0.65	0.779373	0.052641
86	211826	9.122	0.90	0.90	0.099492	1.090643	0.099492	0.80	0.969461	0.088437	0.65	0.787687	0.071855
85	223775	8.281	0.90	0.90	0.091212	1.101398	0.091212	0.80	0.979020	0.081077	0.65	0.795454	0.065875
84	235471	5.576	0.90	0.90	0.061997	1.111924	0.061997	0.80	0.988377	0.055108	0.65	0.803056	0.044775
<84	270300	14.527	0.90	0.90	0.166081	1.143270	0.166081	0.80	1.016240	0.147628	0.65	0.825695	0.119948
TOTAL					0.997936		0.997936			0.882649			0.749363
Reg.year DL3													
98	11382	8.026	0.90	0.90	0.073058	0.910244	0.073058	0.80	0.809106	0.064940	0.75	0.758537	0.060881
97	34146	8.026	0.90	0.90	0.074702	0.930731	0.074702	0.80	0.827317	0.066402	0.75	0.775610	0.062252
96	55509	7.038	0.90	0.90	0.066863	0.949958	0.066863	0.80	0.844407	0.059433	0.75	0.791632	0.055719
95	74533	5.102	0.90	0.90	0.049336	0.967080	0.049336	0.80	0.859626	0.043854	0.75	0.805900	0.041113
94	92068	4.791	0.90	0.90	0.047085	0.982861	0.047085	0.80	0.873654	0.041853	0.75	0.819051	0.039237
93	108688	4.585	0.90	0.90	0.045754	0.997819	0.045754	0.80	0.886950	0.040670	0.75	0.831516	0.038128
92	124991	4.611	1.00	1.00	0.051878	1.124991	0.051878	0.90	1.012492	0.046691	0.75	0.843743	0.038909
91	140780	1.725	1.00	1.00	0.019683	1.140780	0.019683	0.90	1.026702	0.017715	0.75	0.855585	0.014762
90	156051	4.135	1.00	1.00	0.047799	1.156051	0.047799	0.90	1.040446	0.043019	0.75	0.867038	0.035849
89	171229	3.610	1.00	1.00	0.042282	1.171229	0.042282	0.90	1.054106	0.038054	0.75	0.878422	0.031711
88	185561	4.090	1.00	1.00	0.048484	1.185561	0.048484	0.90	1.067005	0.043636	0.75	0.889171	0.036363
87	199036	6.754	1.00	1.00	0.080987	1.199036	0.080987	0.90	1.079132	0.072888	0.75	0.899277	0.060740
86	211826	9.122	1.00	1.00	0.110547	1.211826	0.110547	0.90	1.090643	0.099492	0.75	0.908870	0.082910
85	223775	8.281	1.00	1.00	0.101346	1.223775	0.101346	0.90	1.101398	0.091212	0.75	0.917831	0.076010
84	235471	5.576	1.00	1.00	0.068885	1.235471	0.068885	0.90	1.111924	0.061997	0.75	0.926603	0.051664
>84	270300	14.527	1.00	1.00	0.184535	1.270300	0.184535	0.90	1.143270	0.166081	0.75	0.952725	0.138401
TOTAL					1.113223		1.113223			0.997936			0.864650

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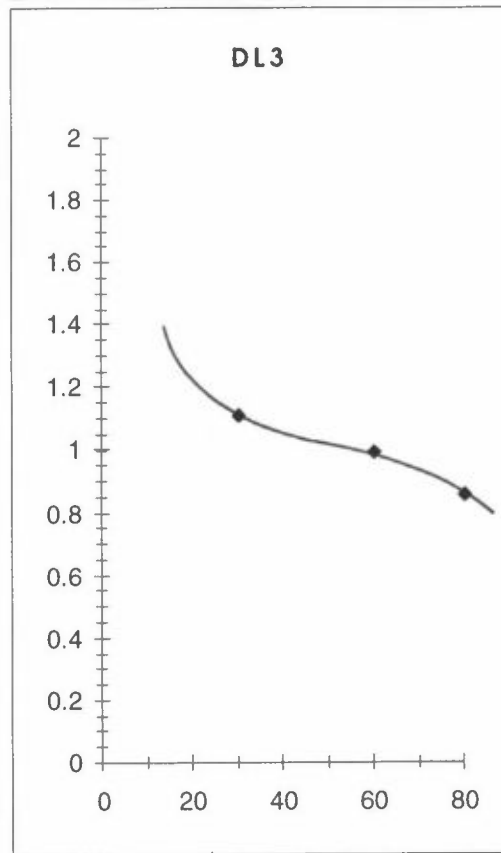
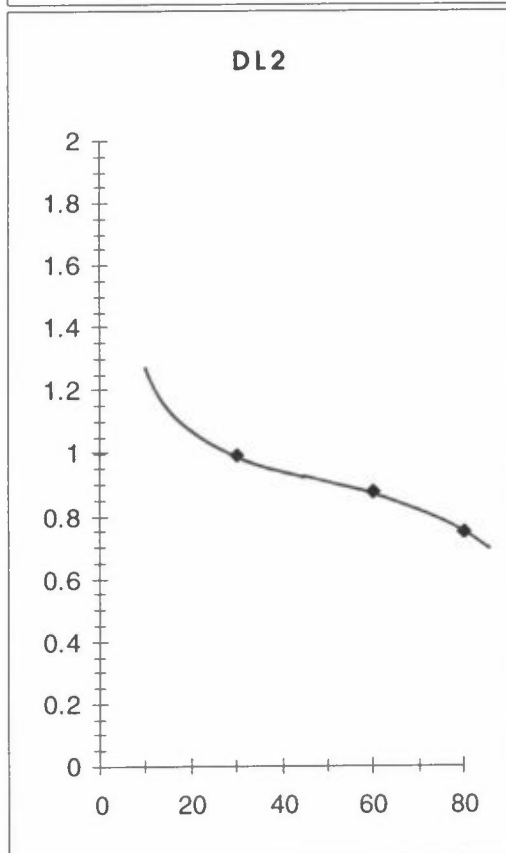
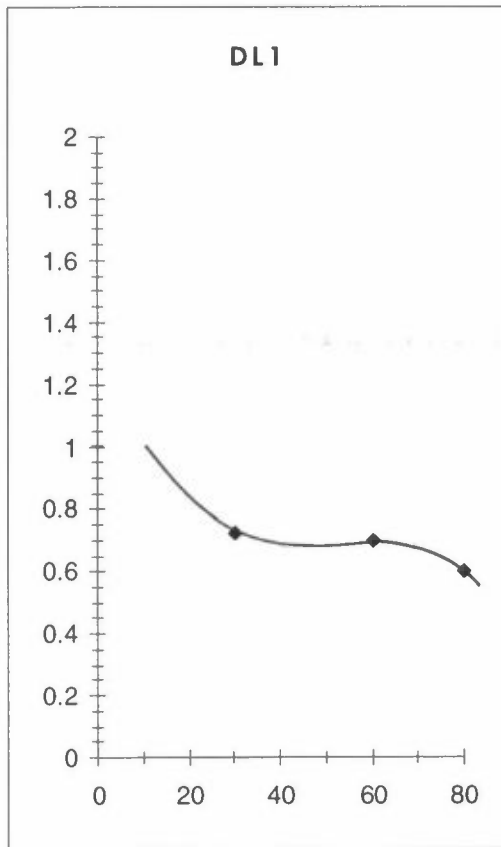
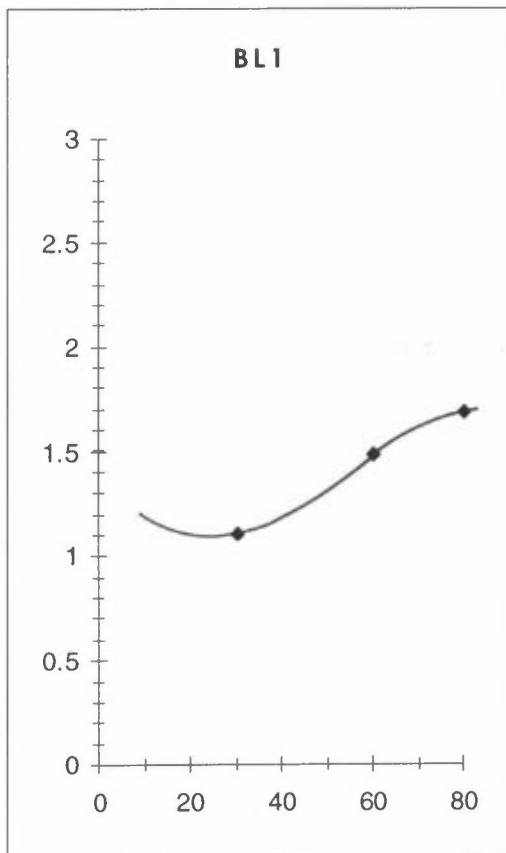
Reg.year	Acc. dr. length	Trafficwork (%)	V=30			V=60			V=80		
			q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)
DHLL			5.83	5.849878	0.796770	4.08	4.095667	0.557842	4.72	4.735615	0.645004
98	12800	13.620									
97	38400	13.620	5.83	5.894633	0.802866	4.08	4.127002	0.562109	4.72	4.717663	0.642559
96	64000	13.620	5.83	5.939388	0.808962	4.08	4.158336	0.566377	4.72	4.717772	0.642574
95	89600	10.896	7.77	7.978858	0.869395	5.44	5.866227	0.608688	6.29	6.290507	0.685428
94	113375	9.352	7.77	8.034277	0.751399	5.44	5.625028	0.526076	6.29	6.290642	0.588327
93	133500	7.786	7.77	8.081189	0.629219	5.44	5.657872	0.440534	6.29	6.290756	0.489812
92	149975	6.242	8.58	8.966036	0.559696	6.12	6.395354	0.399223	6.63	6.630895	0.413927
91	162775	1.365	8.58	8.998983	0.122813	6.12	6.418855	0.087601	6.63	6.630971	0.090495
90	173725	3.231	8.58	9.027168	0.291651	6.12	6.438959	0.208030	6.63	6.631037	0.214236
89	184675	2.718	8.58	9.055353	0.246155	6.12	6.459063	0.175579	6.63	6.631102	0.180256
88	192650	1.078	8.58	9.075881	0.097846	6.12	6.473705	0.069792	6.63	6.631150	0.071490
87	197650	1.575	8.58	9.088751	0.143162	6.12	6.482885	0.102116	6.63	6.631179	0.104452
86	202650	1.902	8.58	9.101621	0.173081	6.12	6.492065	0.123456	6.63	6.631209	0.126102
85	207650	1.505	8.58	9.114491	0.137130	6.12	6.501245	0.097813	6.63	6.631239	0.099769
84	212650	1.182	8.58	9.127361	0.107889	6.12	6.510425	0.076956	6.63	6.631269	0.078384
<84	230150	10.307	8.58	9.172406	0.945357	6.12	6.542555	0.674311	6.63	6.631373	0.683465
TOTAL					7.483389			5.276504			5.756280
DHLM											
98	24350	13.620	6.24	6.285583	0.856114	5.47	5.507440	0.750129	5.06	5.099482	0.694564
97	73050	13.620	6.24	6.376750	0.868532	5.47	5.587320	0.761009	5.06	5.173445	0.704638
96	12175	13.620	6.24	6.262792	0.853010	5.47	5.487470	0.747409	5.06	5.080991	0.692046
95	170450	10.896	8.32	8.745443	0.952924	7.29	7.662774	0.834953	6.75	7.095161	0.773105
94	215700	9.352	8.32	8.858387	0.828473	7.29	7.761736	0.725909	6.75	7.186793	0.672138
93	254000	7.786	8.32	8.953984	0.697177	7.29	7.845498	0.610868	6.75	7.264350	0.565618
92	285350	6.242	14.52	15.762985	0.983988	12.88	13.982592	0.872849	11.25	12.213056	0.762388
91	309750	1.365	14.52	15.869271	0.216574	12.88	14.076874	0.192112	11.25	12.295406	0.167800
90	330650	3.231	14.52	15.960311	0.515647	12.88	14.157632	0.457406	11.25	12.365944	0.399520
89	351550	2.718	14.52	16.051352	0.436330	12.88	14.238389	0.387047	11.25	12.436481	0.338065
88	364500	1.078	14.52	16.107762	0.173656	12.88	14.288428	0.154042	11.25	12.480188	0.134548
87	369500	1.575	14.52	16.129542	0.254066	12.88	14.307748	0.225370	11.25	12.497063	0.196849
86	374500	1.902	14.52	16.151322	0.307142	12.88	14.327068	0.272451	11.25	12.513938	0.237971
85	379500	1.505	14.52	16.173102	0.243329	12.88	14.346388	0.215846	11.25	12.530813	0.186530
84	384500	1.182	14.52	16.194882	0.191429	12.88	14.365708	0.169808	11.25	12.547688	0.148318
<84	402000	10.307	14.52	16.271112	1.676988	12.88	14.433328	1.487576	11.25	12.606750	1.299319
TOTAL					10.055379			8.864785			7.975417

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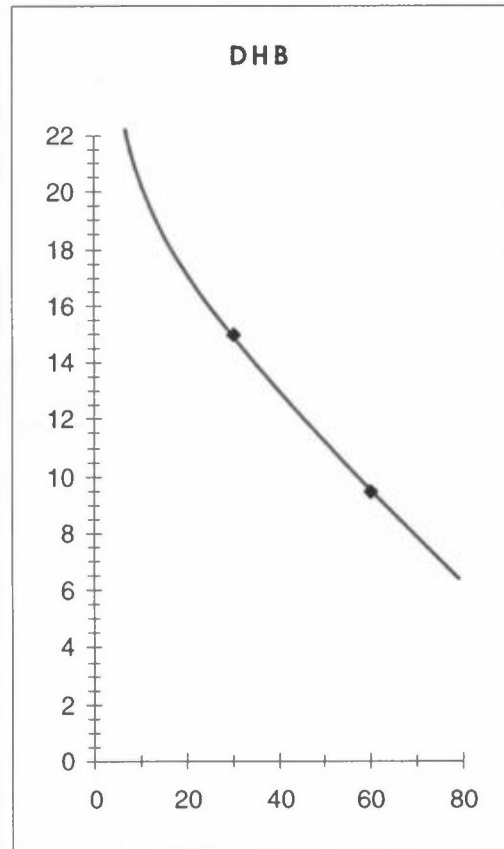
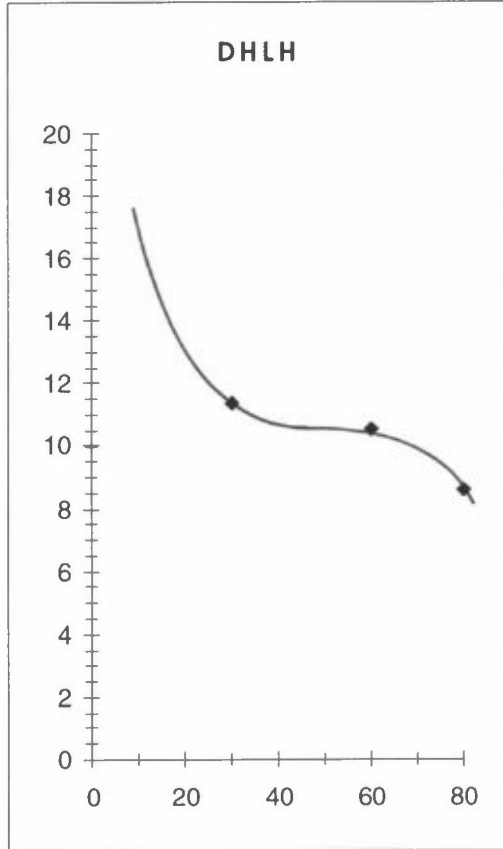
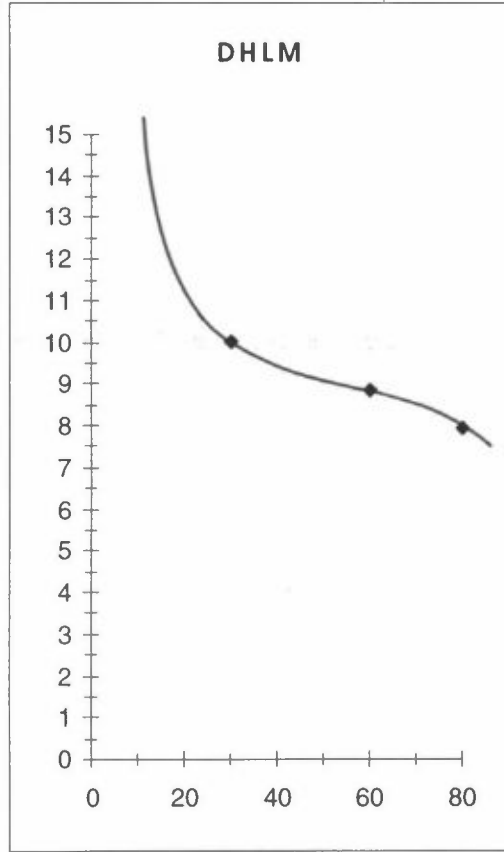
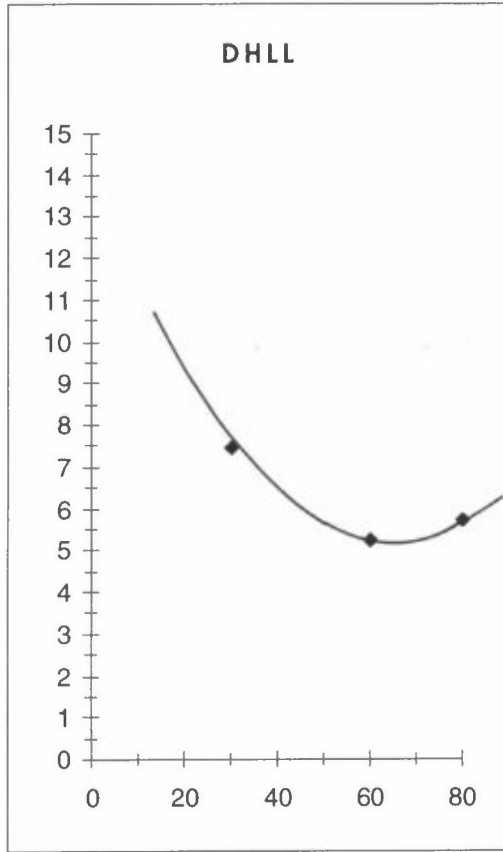
Reg.year	Acc. dr. length	Trafficwork (%)		V=30		V=60		V=80						
		Acc. dr. length	Trafficwork (%)	NU	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	NU	q(basis)	q(aging)	q(weighted)
DHLH														
98	24350	13.620	7.40	7.449020	1.014578	6.72	6.769090	0.921969	5.44	5.477221	0.746013			
97	73050	13.620	7.40	7.557061	1.029293	6.72	6.867269	0.935342	5.44	5.556663	0.756833			
96	12175	13.620	7.40	7.422010	1.010899	6.72	6.744545	0.918626	5.44	5.457360	0.743308			
95	170450	10.896	9.86	10.364191	1.129306	8.96	9.418170	1.026225	7.25	7.620729	0.830372			
94	215700	9.352	9.86	10.498041	0.981820	8.96	9.539802	0.892201	7.25	7.719148	0.721926			
93	254000	7.786	9.86	10.611332	0.826221	8.96	9.642752	0.750806	7.25	7.802450	0.607516			
92	285350	6.242	15.64	16.978862	1.059888	14.85	16.121234	1.006352	12.22	13.266093	0.828122			
91	309750	1.365	15.64	17.093347	0.233279	14.85	16.229936	0.221496	12.22	13.355544	0.182268			
90	330650	3.231	15.64	17.191410	0.555422	14.85	16.323046	0.527366	12.22	13.432163	0.433967			
89	351550	2.718	15.64	17.289473	0.469986	14.85	16.416155	0.446246	12.22	13.508782	0.367214			
88	364500	1.078	15.64	17.350234	0.187051	14.85	16.473848	0.177603	12.22	13.556257	0.146149			
87	369500	1.575	15.64	17.373694	0.273663	14.85	16.496123	0.259840	12.22	13.574587	0.213821			
86	374500	1.902	15.64	17.397154	0.330833	14.85	16.518398	0.314122	12.22	13.592917	0.258490			
85	379500	1.505	15.64	17.420614	0.262098	14.85	16.540673	0.248859	12.22	13.611247	0.204785			
84	384500	1.182	15.64	17.444074	0.206195	14.85	16.562948	0.195780	12.22	13.629577	0.161106			
<84	402000	10.307	15.64	17.526184	1.806343	14.85	16.640910	1.715102	12.22	13.693732	1.411350			
TOTAL					11.376877			10.557936			8.613242			
DHB														
98	24000	13.620	10.82	10.900422	1.484669	6.94	6.987450	0.951711	6.94	6.987450	0.951711			
97	72000	13.620	10.82	11.056266	1.505895	6.94	7.087350	0.965317	6.94	7.087350	0.965317			
96	120000	13.620	10.82	11.212110	1.527122	6.94	7.187250	0.978924	6.94	7.187250	0.978924			
95	168000	10.896	14.43	15.157272	1.651571	9.25	9.716200	1.058699	9.25	9.716200	1.058699			
94	216000	9.352	14.43	15.365064	1.437004	9.25	9.849400	0.921156	9.25	9.849400	0.921156			
93	261800	7.786	14.43	15.563332	1.211795	9.25	9.976495	0.776792	9.25	9.976495	0.776792			
92	303200	6.242	17.60	19.200896	1.198596	11.00	12.000560	0.749123	11.00	12.000560	0.749123			
91	340200	1.365	17.60	19.396256	0.264708	11.00	12.122660	0.165443	11.00	12.122660	0.165443			
90	372800	3.231	17.60	19.568384	0.632217	11.00	12.230240	0.395136	11.00	12.230240	0.395136			
89	401000	2.718	17.60	19.717280	0.535982	11.00	12.323300	0.334989	11.00	12.323300	0.334989			
88	424800	1.078	17.60	19.842944	0.213925	11.00	12.401840	0.193703	11.00	12.401840	0.193703			
87	443200	1.575	17.60	19.940096	0.314088	11.00	12.462560	0.196305	11.00	12.462560	0.196305			
86	457200	1.902	17.60	20.014016	0.380597	11.00	12.508760	0.237873	11.00	12.508760	0.237873			
85	468800	1.505	17.60	20.075264	0.302038	11.00	12.547040	0.188774	11.00	12.547040	0.188774			
84	478000	1.182	17.60	20.123840	0.237871	11.00	12.577400	0.148669	11.00	12.577400	0.148669			
>84	497000	10.307	17.60	20.224160	2.084411	11.00	12.640100	1.302757	11.00	12.640100	1.302757			
TOTAL					14.982488			9.505370			8.613242			

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Summary NU						
BL1			DL1		DL2	
10	1.160000		10	1.010000	10	1.380000
30	1.106138		30	0.724005	30	0.997936
60	1.483205		60	0.700095	60	0.882649
80	1.683868		80	0.603337	80	0.749363
DL3			DHLL		DHLM	
10	1.590000		10	11.600000	10	15.100000
30	1.113223		30	7.483389	30	10.055379
60	0.997936		60	5.276504	60	8.864785
80	0.864650		80	5.756280	80	7.975417
DHLH			DHB			
10	17.060000		10	22.320000		
30	11.376877		30	14.982488		
60	10.557936		60	9.505370		
80	8.613242		80			



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Reg.year	Acc. dr. length	Traficwork (%)	V=30				V=60				V=80										
			NU	q(basis)	q(aging)	q(weighted)	NU	q(basis)	q(aging)	q(weighted)	NU	q(basis)	q(aging)	q(weighted)							
BL1																					
2003	9106	9.478	0.09	0.008631	0.091065	0.008631	0.12	0.121421	0.011508	0.11	0.111302	0.010549	0.11	0.11302	0.010549	0.11	0.11302	0.010549	0.11	0.11302	0.010549
2002	27317	9.478	0.09	0.008833	0.093196	0.008833	0.12	0.124261	0.011777	0.11	0.113906	0.010796	0.11	0.113906	0.010796	0.11	0.113906	0.010796	0.11	0.113906	0.010796
2001	44407	6.926	0.09	0.006594	0.095196	0.006594	0.12	0.126927	0.008791	0.11	0.116350	0.008059	0.11	0.116350	0.008059	0.11	0.116350	0.008059	0.11	0.116350	0.008059
2000	59627	6.275	0.09	0.006086	0.096976	0.006086	0.12	0.129302	0.008114	0.11	0.118527	0.007438	0.11	0.118527	0.007438	0.11	0.118527	0.007438	0.11	0.118527	0.007438
1999	73655	5.893	0.09	0.005811	0.098618	0.005811	0.12	0.131490	0.007748	0.11	0.120533	0.007103	0.11	0.120533	0.007103	0.11	0.120533	0.007103	0.11	0.120533	0.007103
1998	86951	5.640	0.09	0.005650	0.100173	0.005650	0.12	0.133564	0.007534	0.11	0.122434	0.006906	0.11	0.122434	0.006906	0.11	0.122434	0.006906	0.11	0.122434	0.006906
1997	99993	5.672	0.09	0.005769	0.101699	0.005769	0.12	0.135599	0.007692	0.11	0.124299	0.007051	0.11	0.124299	0.007051	0.11	0.124299	0.007051	0.11	0.124299	0.007051
1996	112624	5.284	0.09	0.005452	0.103177	0.005452	0.12	0.137569	0.007270	0.11	0.126105	0.006664	0.11	0.126105	0.006664	0.11	0.126105	0.006664	0.11	0.126105	0.006664
1995	124841	4.250	0.09	0.004446	0.104606	0.004446	0.12	0.139475	0.005928	0.11	0.127852	0.005434	0.11	0.127852	0.005434	0.11	0.127852	0.005434	0.11	0.127852	0.005434
1994	136983	4.176	0.09	0.004428	0.106027	0.004428	0.12	0.141369	0.005904	0.11	0.129589	0.005412	0.11	0.129589	0.005412	0.11	0.129589	0.005412	0.11	0.129589	0.005412
1993	148449	3.780	0.09	0.004059	0.107369	0.004059	0.12	0.143158	0.005412	0.11	0.131228	0.004961	0.11	0.131228	0.004961	0.11	0.131228	0.004961	0.11	0.131228	0.004961
1992	159229	3.700	0.09	0.004020	0.108630	0.004020	0.12	0.144840	0.005360	0.11	0.132770	0.004913	0.11	0.132770	0.004913	0.11	0.132770	0.004913	0.11	0.132770	0.004913
1991	169461	1.366	0.11	0.001833	0.134233	0.001833	0.15	0.183045	0.002500	0.14	0.170842	0.002333	0.14	0.170842	0.002333	0.14	0.170842	0.002333	0.14	0.170842	0.002333
1990	179020	3.095	0.12	0.004579	0.147927	0.004579	0.17	0.209563	0.006486	0.19	0.234218	0.007249	0.19	0.234218	0.007249	0.19	0.234218	0.007249	0.19	0.234218	0.007249
1989	188377	2.773	0.11	0.003797	0.136938	0.003797	0.13	0.161836	0.004488	0.12	0.149387	0.004143	0.12	0.149387	0.004143	0.12	0.149387	0.004143	0.12	0.149387	0.004143
<1989	216240	22.212	1.76	0.500827	2.254757	0.500827	2.36	3.023424	0.671564	2.74	3.510247	0.779697	2.74	3.510247	0.779697	2.74	3.510247	0.779697	2.74	3.510247	0.779697
				0.580814		0.580814			0.778075		0.778075		0.778075		0.778075		0.778075		0.778075		0.778075
DL1																					
2003	11837	9.478	0.60	0.057743	0.609233	0.057743	0.55	0.558463	0.052931	0.50	0.507694	0.048119	0.50	0.507694	0.048119	0.50	0.507694	0.048119	0.50	0.507694	0.048119
2002	35511	9.478	0.60	0.059493	0.627699	0.059493	0.55	0.575390	0.054535	0.50	0.523082	0.049577	0.50	0.523082	0.049577	0.50	0.523082	0.049577	0.50	0.523082	0.049577
2001	57729	6.926	0.60	0.044677	0.645029	0.044677	0.55	0.591276	0.040954	0.50	0.537524	0.037231	0.50	0.537524	0.037231	0.50	0.537524	0.037231	0.50	0.537524	0.037231
2000	77514	6.275	0.60	0.041446	0.660461	0.041446	0.55	0.605423	0.037992	0.50	0.550384	0.034538	0.50	0.550384	0.034538	0.50	0.550384	0.034538	0.50	0.550384	0.034538
1999	95751	5.893	0.60	0.039758	0.674686	0.039758	0.55	0.618462	0.036445	0.50	0.562238	0.033132	0.50	0.562238	0.033132	0.50	0.562238	0.033132	0.50	0.562238	0.033132
1998	113063	5.640	0.60	0.038816	0.688189	0.038816	0.55	0.630840	0.035582	0.50	0.573491	0.032347	0.50	0.573491	0.032347	0.50	0.573491	0.032347	0.50	0.573491	0.032347
1997	129990	5.672	0.60	0.039786	0.701392	0.039786	0.55	0.642943	0.036471	0.50	0.584494	0.033155	0.50	0.584494	0.033155	0.50	0.584494	0.033155	0.50	0.584494	0.033155
1996	146411	5.284	0.60	0.037741	0.714201	0.037741	0.55	0.654684	0.034595	0.50	0.595167	0.031450	0.50	0.595167	0.031450	0.50	0.595167	0.031450	0.50	0.595167	0.031450
1995	162239	4.250	0.60	0.030878	0.726546	0.030878	0.55	0.666001	0.028305	0.50	0.605455	0.025732	0.50	0.605455	0.025732	0.50	0.605455	0.025732	0.50	0.605455	0.025732
1994	178078	4.176	0.60	0.030857	0.738901	0.030857	0.55	0.677326	0.028286	0.50	0.615751	0.025714	0.50	0.615751	0.025714	0.50	0.615751	0.025714	0.50	0.615751	0.025714
1993	192983	3.780	0.60	0.028371	0.750527	0.028371	0.55	0.687983	0.026007	0.50	0.625439	0.023643	0.50	0.625439	0.023643	0.50	0.625439	0.023643	0.50	0.625439	0.023643
1992	206997	3.700	0.60	0.028177	0.761458	0.028177	0.55	0.698003	0.025829	0.50	0.634548	0.023481	0.50	0.634548	0.023481	0.50	0.634548	0.023481	0.50	0.634548	0.023481
1991	220299	1.366	0.60	0.010541	0.771833	0.010541	0.55	0.707514	0.009662	0.50	0.643194	0.008784	0.50	0.643194	0.008784	0.50	0.643194	0.008784	0.50	0.643194	0.008784
1990	232726	3.095	0.60	0.024190	0.781526	0.024190	0.60	0.781526	0.024190	0.50	0.651272	0.020158	0.50	0.651272	0.020158	0.50	0.651272	0.020158	0.50	0.651272	0.020158
1989	244889	2.773	0.60	0.021935	0.791013	0.021935	0.60	0.791013	0.021935	0.50	0.659178	0.018279	0.50	0.659178	0.018279	0.50	0.659178	0.018279	0.50	0.659178	0.018279
<1989	281112	22.212	0.60	0.181976	0.819267	0.181976	0.60	0.819267	0.181976	0.50	0.682723	0.151647	0.50	0.682723	0.151647	0.50	0.682723	0.151647	0.50	0.682723	0.151647
				0.716384		0.716384			0.675694		0.675694		0.675694		0.675694		0.675694		0.675694		0.675694

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Reg.year DL2	Acc. dr. length	Traficwork (%)	V=30				V=60				V=80			
			NU	q(basis)	q(aging)	q(weighted)	NU	q(basis)	q(aging)	q(weighted)	NU	q(basis)	q(aging)	q(weighted)
2003	11382	9.478	0.80	0.809106	0.076686	0.70	0.707967	0.067101	0.65	0.657398	0.062308			
2002	34146	9.478	0.80	0.827317	0.078412	0.70	0.723902	0.068611	0.65	0.672195	0.063710			
2001	55509	6.926	0.80	0.844407	0.058486	0.70	0.738856	0.051176	0.65	0.686081	0.047520			
2000	74533	6.275	0.80	0.859626	0.053944	0.70	0.752173	0.047201	0.65	0.698446	0.043830			
1999	92068	5.893	0.80	0.873654	0.051483	0.70	0.764448	0.045047	0.65	0.709844	0.041830			
1998	108688	5.640	0.80	0.886950	0.050027	0.70	0.776082	0.043774	0.65	0.720647	0.040647			
1997	124991	5.672	0.80	0.899993	0.051052	0.70	0.787494	0.044670	0.65	0.731244	0.041480			
1996	140780	5.284	0.80	0.912624	0.048226	0.70	0.798546	0.042198	0.65	0.741507	0.039183			
1995	156051	4.250	0.80	0.924841	0.039306	0.70	0.809236	0.034392	0.65	0.751433	0.031936			
1994	171229	4.176	0.80	0.936983	0.039129	0.70	0.819860	0.034238	0.65	0.761299	0.031793			
1993	185561	3.780	0.80	0.948449	0.035853	0.70	0.829893	0.031372	0.65	0.770615	0.029131			
1992	199036	3.700	0.90	1.079132	0.039932	0.80	0.959229	0.035495	0.65	0.779373	0.028840			
1991	211826	1.366	0.90	1.090643	0.014895	0.80	0.969461	0.013240	0.65	0.787687	0.010757			
1990	223775	3.095	0.90	1.101398	0.034090	0.80	0.979020	0.030302	0.65	0.795454	0.024621			
1989	235471	2.773	0.90	1.111924	0.030834	0.80	0.988377	0.027408	0.65	0.803056	0.022269			
<1989	270300	22.212	0.90	1.143270	0.253944	0.80	1.016240	0.225728	0.65	0.825695	0.183404			
					0.956300			0.841952			0.743257			
Reg.year DL3	Acc. dr. length	Traficwork (%)	V=30				V=60				V=80			
NU	q(basis)	q(aging)	q(weighted)	NU	q(basis)	q(aging)	q(weighted)	NU	q(basis)	q(aging)	q(weighted)			
2003	11382	9.478	0.90	0.910244	0.086272	0.80	0.809106	0.076686	0.75	0.758537	0.071893			
2002	34146	9.478	0.90	0.930731	0.088214	0.80	0.827317	0.078412	0.75	0.775610	0.073512			
2001	55509	6.926	0.90	0.949958	0.065797	0.80	0.844407	0.058486	0.75	0.791632	0.054831			
2000	74533	6.275	0.90	0.967080	0.060687	0.80	0.859626	0.053944	0.75	0.805900	0.050573			
1999	92068	5.893	0.90	0.982861	0.057918	0.80	0.873654	0.051483	0.75	0.819051	0.048265			
1998	108688	5.640	0.90	0.997819	0.056281	0.80	0.886950	0.050027	0.75	0.831516	0.046901			
1997	124991	5.672	0.90	1.012492	0.057433	0.80	0.899993	0.051052	0.75	0.843743	0.047861			
1996	140780	5.284	0.90	1.026702	0.054254	0.80	0.912624	0.048226	0.75	0.855585	0.045212			
1995	156051	4.250	0.90	1.040446	0.044219	0.80	0.924841	0.039306	0.75	0.867038	0.036849			
1994	171229	4.176	0.90	1.054106	0.044020	0.80	0.936983	0.039129	0.75	0.878422	0.036684			
1993	185561	3.780	0.90	1.067005	0.040335	0.80	0.948449	0.035853	0.75	0.889171	0.036612			
1992	199036	3.700	1.00	1.199036	0.044369	0.90	1.079132	0.039932	0.75	0.899277	0.033277			
1991	211826	1.366	1.00	1.211826	0.016550	0.90	1.090643	0.014895	0.75	0.908870	0.012412			
1990	223775	3.095	1.00	1.223775	0.037878	0.90	1.101398	0.034090	0.75	0.917831	0.028409			
1989	235471	2.773	1.00	1.235471	0.034260	0.90	1.111924	0.030834	0.75	0.926603	0.025695			
<1989	270300	22.212	1.00	1.270300	0.282159	0.90	1.143270	0.253944	0.75	0.952725	0.211620			
					1.070647			0.956300			0.857604			

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Reg.year DHLL	Acc. dr. length	Trafficwork (%)	V=30			V=60			V=80				
			NU	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	NU	q(basis)	q(aging)	q(weighted)
2003	12800	13.812	4.08	0.565577	4.094914	0.565577	2.86	2.866967	0.395976	3.30	3.314931	0.457848	
2002	38400	13.812	4.08	0.569904	4.126243	0.569904	2.86	2.888901	0.399006	3.30	3.302364	0.456112	
2001	64000	11.510	4.08	0.478526	4.157572	0.478526	2.86	2.910835	0.335029	3.30	3.302440	0.380102	
2000	89600	11.510	4.08	0.482131	4.188900	0.482131	2.86	2.932769	0.337554	3.30	3.302516	0.380111	
1999	113375	9.879	4.08	0.416696	4.217995	0.416696	2.86	2.953140	0.291740	3.30	3.302587	0.325262	
1998	133500	8.225	5.83	0.606891	6.060891	0.498485	4.08	4.243404	0.349004	4.72	4.718067	0.388043	
1997	149975	6.594	5.83	0.608964	6.089694	0.401547	4.08	4.263569	0.281134	4.72	4.718137	0.311108	
1996	162775	4.939	5.83	0.301906	6.112071	0.301906	4.08	4.279237	0.211373	4.72	4.718191	0.233055	
1995	173725	3.952	7.77	0.323041	8.174953	0.323041	5.44	5.723519	0.226170	6.29	6.290983	0.248594	
1994	184675	3.952	7.77	0.324050	8.200477	0.324050	5.44	5.741390	0.226877	6.29	6.291045	0.248597	
1993	192650	0.945	7.77	0.077700	8.219067	0.077700	5.44	5.754405	0.054400	6.29	6.291091	0.059473	
1992	197650	0.945	8.58	0.085921	9.088751	0.085921	6.12	6.482885	0.061286	6.63	6.631179	0.062688	
1991	202650	0.276	8.58	0.025111	9.101621	0.025111	6.12	6.492065	0.017912	6.63	6.631209	0.018296	
1990	207650	0.653	8.58	0.059531	9.114491	0.059531	6.12	6.501245	0.042463	6.63	6.631239	0.043312	
1989	212650	0.550	8.58	0.050159	9.127361	0.050159	6.12	6.510425	0.035778	6.63	6.631269	0.036442	
<1989	230150	8.448	8.58	0.774854	9.172406	0.774854	6.12	6.542555	0.552693	6.63	6.631373	0.560196	
				5.435138					3.818396			4.210240	
Reg.year DHLM	Acc. dr. length	Trafficwork (%)	V=30			V=60			V=80				
			NU	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	NU	q(basis)	q(aging)	q(weighted)
2003	24350	13.812	4.37	0.607701	4.399908	0.607701	3.83	3.855208	0.532469	3.54	3.569637	0.493027	
2002	73050	13.812	4.37	0.616516	4.463725	0.616516	3.83	3.911124	0.540192	3.54	3.621411	0.500178	
2001	12175	11.510	4.37	0.504582	4.383954	0.504582	3.83	3.841229	0.442115	3.54	3.556694	0.409366	
2000	170450	11.510	4.37	0.528453	4.591358	0.528453	3.83	4.022956	0.463032	3.54	3.724960	0.428733	
1999	215700	9.879	4.37	0.459438	4.650653	0.459438	3.83	4.074911	0.402560	3.54	3.773066	0.372741	
1998	254000	8.225	6.24	0.552323	6.715488	0.552323	5.47	5.884124	0.483947	5.06	5.448263	0.448099	
1997	285350	6.594	6.24	0.446681	6.774175	0.446681	5.47	5.935545	0.391382	5.06	5.495875	0.362391	
1996	309750	4.939	6.24	0.336866	6.819852	0.336866	5.47	5.975567	0.295163	5.06	5.532933	0.273299	
1995	330650	3.952	8.32	0.361386	9.145302	0.361386	7.29	8.013132	0.316647	6.75	7.419566	0.293191	
1994	351550	3.952	8.32	0.363447	9.197469	0.363447	7.29	8.058840	0.318453	6.75	7.461889	0.294864	
1993	364500	0.945	8.32	0.087255	9.229792	0.087255	7.29	8.087162	0.076453	6.75	7.488113	0.070789	
1992	369500	0.945	14.52	0.152482	16.129542	0.152482	12.88	14.307748	0.135259	11.25	12.497063	0.118142	
1991	374500	0.276	14.52	0.044562	16.151322	0.044562	12.88	14.327068	0.039528	11.25	12.513938	0.034526	
1990	379500	0.653	14.52	0.105635	16.173102	0.105635	12.88	14.346388	0.093704	11.25	12.530813	0.081845	
1989	384500	0.550	14.52	0.088999	16.194882	0.088999	12.88	14.365708	0.078947	11.25	12.547688	0.068956	
<1989	402000	8.448	14.52	1.374528	16.271112	1.374528	12.88	14.433328	1.219279	11.25	12.606750	1.064976	
				6.630852					5.829130			5.315123	

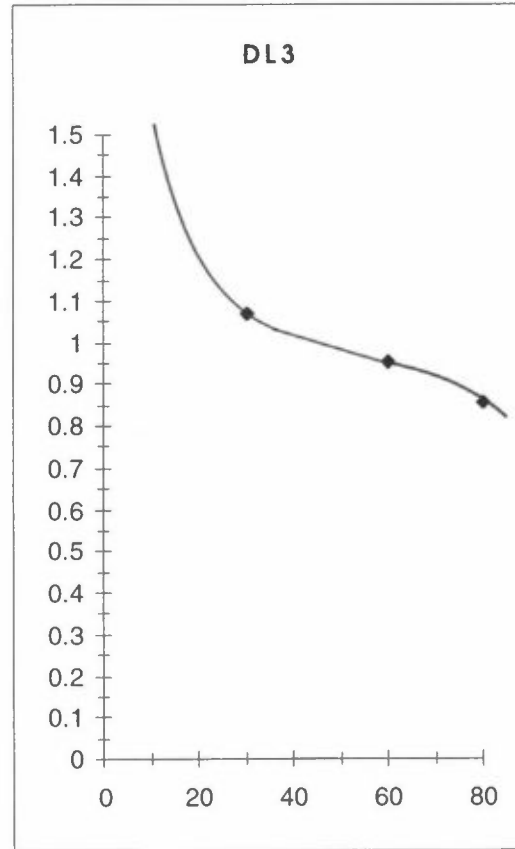
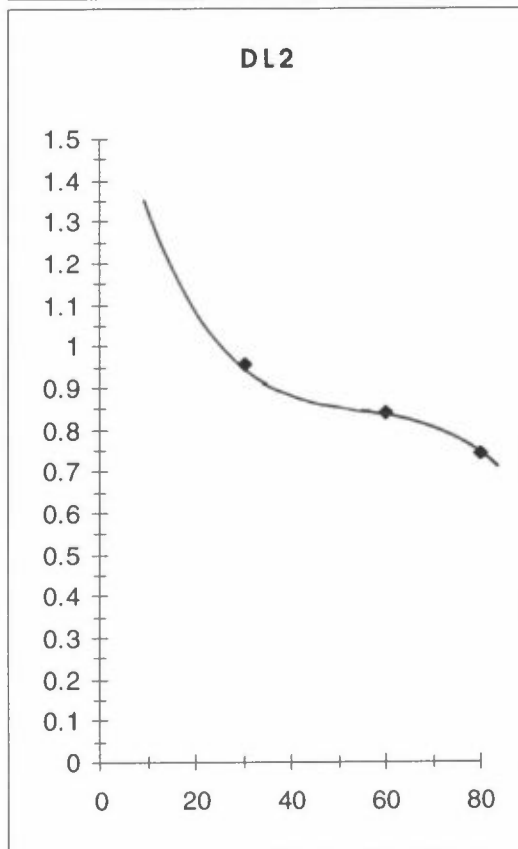
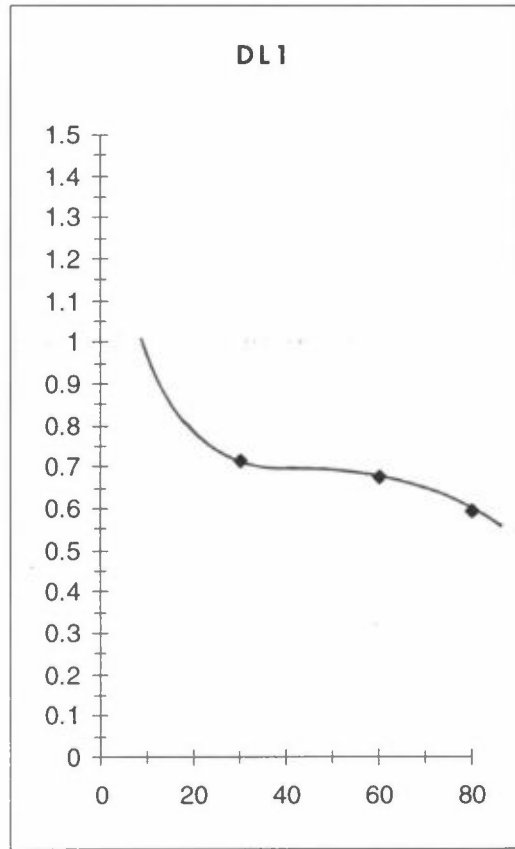
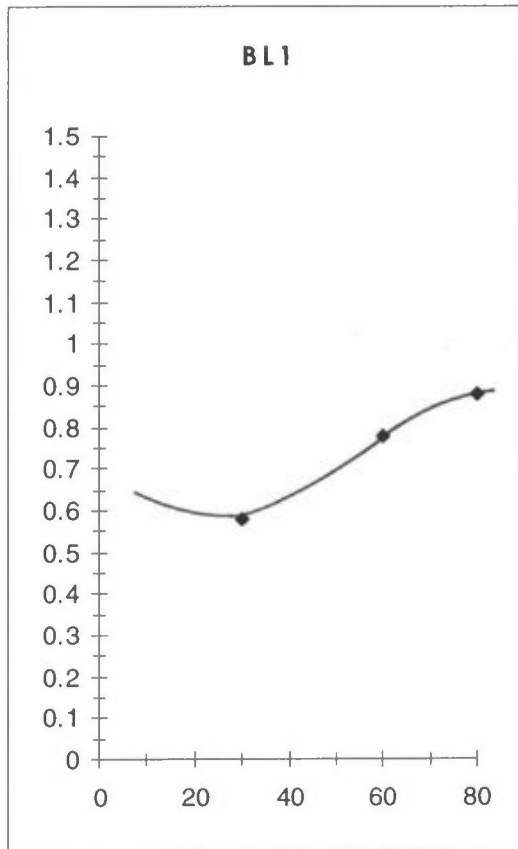
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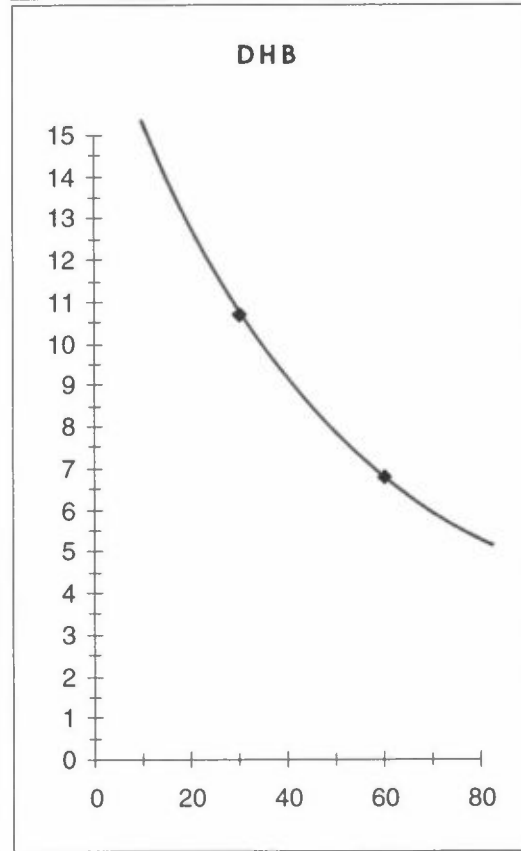
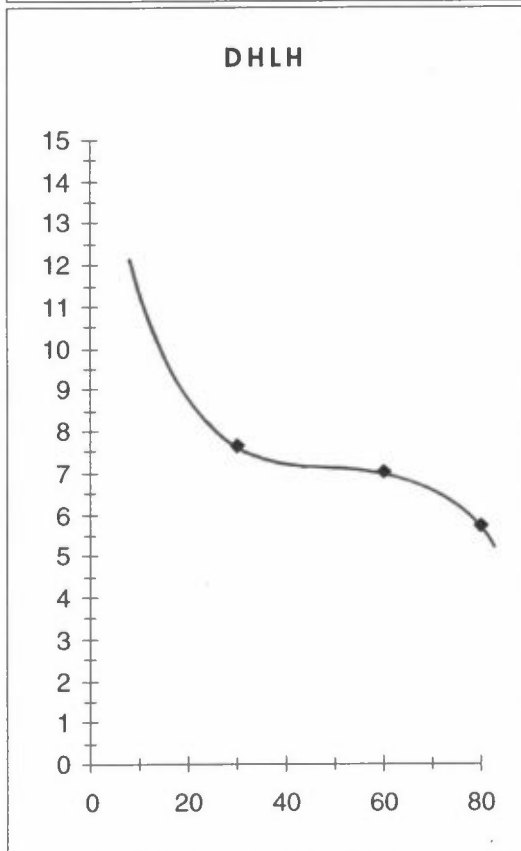
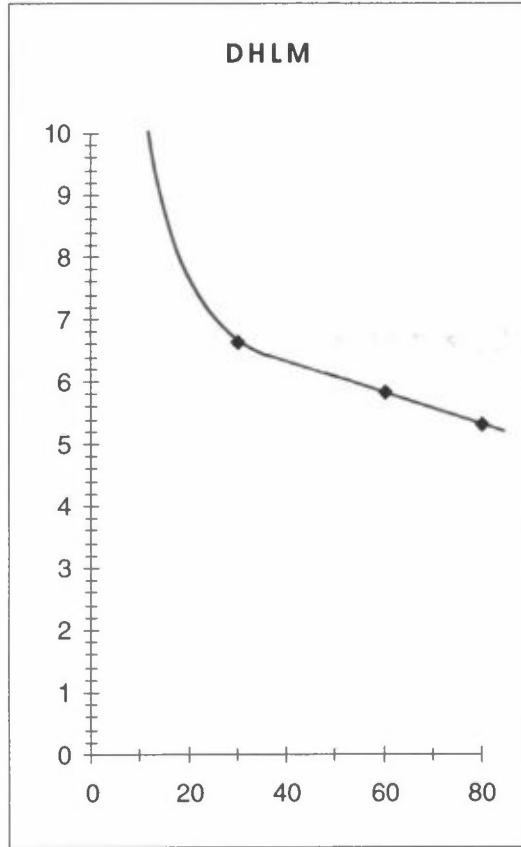
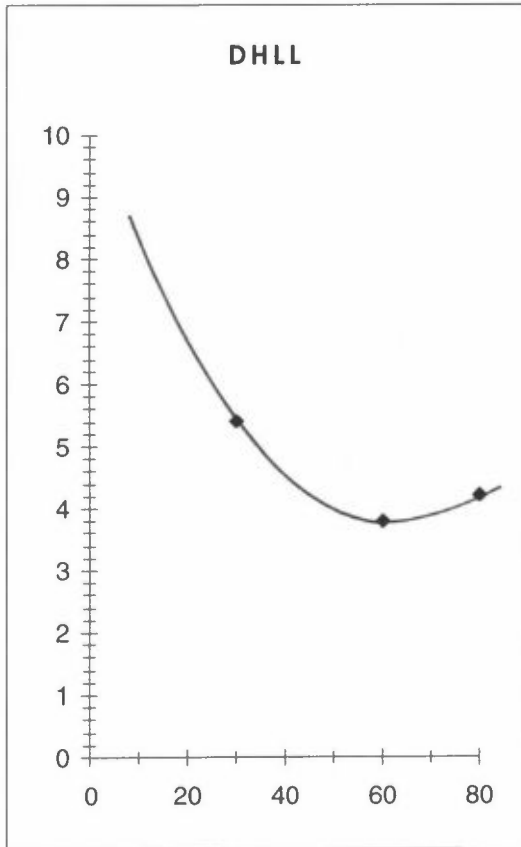
Reg.year	Acc. dr. length	Traficwork (%)	V=30				V=60				V=80							
			NU	q(basis)	q(aging)	q(weighted)	NU	q(basis)	q(aging)	q(weighted)	NU	q(basis)	q(aging)	q(weighted)				
DHLH																		
2003	24350	13.812	5.18	5.214314	0.720185	4.70	4.738363	0.654448	3.81	3.834055	0.529548							
2002	73050	13.812	5.18	5.289943	0.730630	4.70	4.807088	0.663940	3.81	3.889664	0.537228							
2001	12175	11.510	5.18	5.195407	0.597978	4.70	4.721181	0.543396	3.81	3.820152	0.439689							
2000	170450	11.510	5.18	5.441200	0.626268	4.70	4.944539	0.569103	3.81	4.000883	0.460491							
1999	215700	9.879	5.18	5.511471	0.544478	4.70	5.008396	0.494779	3.81	4.052552	0.400351							
1998	254000	8.225	7.40	7.958499	0.654556	6.72	7.232064	0.594810	5.44	5.851838	0.481291							
1997	285350	6.594	7.40	8.028049	0.529359	6.72	7.295266	0.481041	5.44	5.902977	0.389235							
1996	309750	4.939	7.40	8.082180	0.399219	6.72	7.344456	0.362779	5.44	5.942780	0.293543							
1995	330650	3.952	9.86	10.838063	0.428277	8.96	9.848787	0.389184	7.25	7.969164	0.314909							
1994	351550	3.952	9.86	10.899885	0.430720	8.96	9.904966	0.391404	7.25	8.014621	0.316706							
1993	364500	0.945	9.86	10.938191	0.103405	8.96	9.939776	0.093966	7.25	8.042788	0.076033							
1992	369500	0.945	15.64	17.373694	0.164244	14.85	16.496123	0.155947	12.22	13.574587	0.128328							
1991	374500	0.276	15.64	17.397154	0.047999	14.85	16.518398	0.045574	12.22	13.592917	0.037503							
1990	379500	0.653	15.64	17.420614	0.113783	14.85	16.540673	0.108036	12.22	13.611247	0.088902							
1989	384500	0.550	15.64	17.444074	0.095864	14.85	16.562948	0.091021	12.22	13.629577	0.074901							
<1989	402000	8.448	15.64	17.526184	1.480553	14.85	16.640910	1.405768	12.22	13.693732	1.156800							
					7.667516			7.045197			5.725460							
DHB																		
2003	24000	13.812	7.58	7.630295	1.053872	4.86	4.891215	0.675559	3.81	3.834055	0.529548							
2002	72000	13.812	7.58	7.739386	1.068940	4.86	4.961145	0.685218	3.81	3.889664	0.537228							
2001	120000	11.510	7.58	7.848477	0.903339	4.86	5.031075	0.579064	3.81	3.820152	0.439689							
2000	168000	11.510	7.58	7.957568	0.915895	4.86	5.101005	0.587112	3.81	4.000883	0.460491							
1999	216000	9.879	7.58	8.066659	0.796905	4.86	5.170935	0.510836	3.81	4.052552	0.400351							
1998	261800	8.225	10.82	11.672499	0.960018	6.94	7.482371	0.615396	5.44	5.902977	0.389235							
1997	303200	6.594	10.82	11.806915	0.778533	6.94	7.568535	0.499060	5.44	5.942780	0.293543							
1996	340200	4.939	10.82	11.927044	0.589136	6.94	7.645541	0.377651	5.44	5.902977	0.389235							
1995	372800	3.952	14.43	16.043851	0.633988	9.25	10.284520	0.406403	12.22	13.611247	0.088902							
1994	401000	3.952	14.43	16.165929	0.638812	9.25	10.362775	0.409495	12.22	13.629577	0.074901							
1993	424800	0.945	14.43	16.268959	0.153800	9.25	10.428820	0.098590	12.22	13.693732	1.156800							
1992	443200	0.945	17.60	19.940096	0.188505	11.00	12.462560	0.117816	12.22	13.693732	1.156800							
1991	457200	0.276	17.60	20.014016	0.055219	11.00	12.508760	0.034512	12.22	13.693732	1.156800							
1990	468800	0.653	17.60	20.075264	0.131122	11.00	12.547040	0.081951	12.22	13.693732	1.156800							
1989	478000	0.550	17.60	20.123840	0.110590	11.00	12.577400	0.069119	12.22	13.693732	1.156800							
<1989	497000	8.448	17.60	20.224160	1.708469	11.00	12.640100	1.067793	12.22	13.693732	1.156800							
					10.687144			6.815575										

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Summary NU					
BL1		DL1		DL2	
10	0.610000	10	0.990000	10	1.330000
30	0.580814	30	0.716384	30	0.956300
60	0.778075	60	0.675694	60	0.841952
80	0.878706	80	0.596987	80	0.743257
DL3		DHLL		DHLM	
10	1.530000	10	8.430000	10	9.950000
30	1.070647	30	5.435138	30	6.630852
60	0.956300	60	3.818396	60	5.829130
80	0.857604	80	4.210240	80	5.315123
DHLH		DHB			
10	11.500000	10	15.930000		
30	7.667516	30	10.687144		
60	7.045197	60	6.815575		
80	5.725460	80			

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Reg.year	Acc. dr. length	Trafficwork (%)	V=30				V=60				V=80			
			q(basis)	q(aging)	q(weighted)	NU	q(basis)	q(aging)	q(weighted)	NU	q(basis)	q(aging)	q(weighted)	NU
2008	9106	9.048	0.09	0.091065	0.008240	0.12	0.121421	0.010986	0.11	0.111302	0.010071	0.11	0.111302	
2007	27317	9.048	0.09	0.093196	0.008432	0.12	0.124261	0.011243	0.11	0.113906	0.010306	0.11	0.113906	
2006	44407	7.935	0.09	0.095196	0.007553	0.12	0.126927	0.010071	0.11	0.116350	0.009232	0.11	0.116350	
2005	59627	7.189	0.09	0.096976	0.006971	0.12	0.129302	0.009295	0.11	0.118527	0.008521	0.11	0.118527	
2004	73655	6.751	0.09	0.098618	0.006657	0.12	0.131490	0.008876	0.11	0.120533	0.008137	0.11	0.120533	
2003	86951	6.461	0.09	0.100173	0.006473	0.12	0.133564	0.008630	0.11	0.122434	0.007911	0.11	0.122434	
2002	99993	6.498	0.09	0.101699	0.006609	0.12	0.135599	0.008811	0.11	0.124299	0.008077	0.11	0.124299	
2001	112624	5.045	0.09	0.103177	0.005205	0.12	0.137569	0.006940	0.11	0.126105	0.006361	0.11	0.126105	
2000	124841	5.072	0.09	0.104606	0.005305	0.12	0.139475	0.007073	0.11	0.127852	0.006484	0.11	0.127852	
1999	136983	4.983	0.09	0.106027	0.005284	0.12	0.141369	0.007045	0.11	0.129589	0.006458	0.11	0.129589	
1998	148449	4.511	0.09	0.107369	0.004843	0.12	0.143158	0.006458	0.11	0.131228	0.005920	0.11	0.131228	
1997	159229	4.416	0.09	0.108630	0.004797	0.12	0.144840	0.006396	0.11	0.132770	0.005863	0.11	0.132770	
1996	169461	4.058	0.09	0.109827	0.004456	0.12	0.146436	0.005942	0.11	0.134233	0.005447	0.11	0.134233	
1995	179020	3.086	0.09	0.110945	0.003424	0.12	0.147927	0.004566	0.11	0.135600	0.004185	0.11	0.135600	
1994	188377	3.112	0.09	0.112040	0.003487	0.12	0.149387	0.004649	0.11	0.136938	0.004261	0.11	0.136938	
<1994	216240	12.789	0.59	0.755856	0.096664	0.78	0.999267	0.127793	0.87	1.114567	0.142539	0.87	1.114567	
TOTAL					0.184400			0.244774			0.249771		0.249771	

Reg.year	Acc. dr. length	Trafficwork (%)	V=30				V=60				V=80			
			q(basis)	q(aging)	q(weighted)	NU	q(basis)	q(aging)	q(weighted)	NU	q(basis)	q(aging)	q(weighted)	NU
2008	11837	9.048	0.60	0.609233	0.055123	0.55	0.558463	0.050530	0.50	0.507694	0.045936	0.50	0.507694	
2007	35511	9.048	0.60	0.627699	0.056794	0.55	0.575390	0.052061	0.50	0.523082	0.047328	0.50	0.523082	
2006	57729	7.935	0.60	0.645029	0.051180	0.55	0.591276	0.046915	0.50	0.537524	0.042650	0.50	0.537524	
2005	77514	7.189	0.60	0.660461	0.047479	0.55	0.605423	0.043523	0.50	0.550384	0.039566	0.50	0.550384	
2004	95751	6.751	0.60	0.674686	0.045545	0.55	0.618462	0.041750	0.50	0.562238	0.037954	0.50	0.562238	
2003	113063	6.461	0.60	0.688189	0.044467	0.55	0.630840	0.040761	0.50	0.573491	0.037056	0.50	0.573491	
2002	129990	6.498	0.60	0.701392	0.045578	0.55	0.642943	0.041780	0.50	0.584494	0.037981	0.50	0.584494	
2001	146411	5.045	0.60	0.714201	0.036029	0.55	0.654684	0.033026	0.50	0.595167	0.030024	0.50	0.595167	
2000	162239	5.072	0.60	0.726546	0.036847	0.55	0.666001	0.033776	0.50	0.605455	0.030706	0.50	0.605455	
1999	178078	4.983	0.60	0.738901	0.036822	0.55	0.677326	0.033753	0.50	0.615751	0.030685	0.50	0.615751	
1998	192983	4.511	0.60	0.750527	0.033856	0.55	0.687993	0.031034	0.50	0.625439	0.028213	0.50	0.625439	
1997	206997	4.416	0.60	0.761458	0.033624	0.55	0.698003	0.030822	0.50	0.634548	0.028020	0.50	0.634548	
1996	220299	4.058	0.60	0.771833	0.031317	0.55	0.707514	0.028708	0.50	0.643194	0.026098	0.50	0.643194	
1995	232726	3.086	0.60	0.781526	0.024121	0.55	0.716399	0.022111	0.50	0.651272	0.020101	0.50	0.651272	
1994	244889	3.112	0.60	0.791013	0.024615	0.55	0.725096	0.022564	0.50	0.659178	0.020513	0.50	0.659178	
<1994	281112	12.789	0.60	0.819267	0.104774	0.58	0.791958	0.101281	0.50	0.682723	0.087311	0.50	0.682723	
TOTAL					0.708170			0.654394			0.590142		0.590142	

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Reg. year	Acc. dr. length	Trafficwork (%)		V=30		V=60		V=80					
		Acc. dr. length	Trafficwork (%)	NU	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)
DL2													
2008	11382	9.048	0.80	0.809106	0.073208	0.70	0.707967	0.65	0.657398	0.059481	0.65	0.657398	0.059481
2007	34146	9.048	0.80	0.827317	0.074855	0.70	0.723902	0.65	0.672195	0.060820	0.65	0.672195	0.060820
2006	55509	7.935	0.80	0.844407	0.067000	0.70	0.738856	0.65	0.686081	0.054437	0.65	0.686081	0.054437
2005	74533	7.189	0.80	0.859626	0.061797	0.70	0.752173	0.65	0.698446	0.050210	0.65	0.698446	0.050210
2004	92068	6.751	0.80	0.873654	0.058977	0.70	0.764448	0.65	0.709844	0.047919	0.65	0.709844	0.047919
2003	108688	6.461	0.80	0.886950	0.057310	0.70	0.776082	0.65	0.720647	0.046564	0.65	0.720647	0.046564
2002	124991	6.498	0.80	0.899993	0.058483	0.70	0.787494	0.65	0.731244	0.047518	0.65	0.731244	0.047518
2001	140780	5.045	0.80	0.912624	0.046038	0.70	0.798546	0.65	0.741507	0.037406	0.65	0.741507	0.037406
2000	156051	5.072	0.80	0.924841	0.046903	0.70	0.809236	0.65	0.751433	0.038109	0.65	0.751433	0.038109
1999	171229	4.983	0.80	0.936983	0.046693	0.70	0.819860	0.65	0.761299	0.037938	0.65	0.761299	0.037938
1998	185561	4.511	0.80	0.948449	0.042784	0.70	0.829893	0.65	0.770615	0.034762	0.65	0.770615	0.034762
1997	199036	4.416	0.80	0.959229	0.042356	0.70	0.839325	0.65	0.779373	0.034415	0.65	0.779373	0.034415
1996	211826	4.058	0.80	0.969461	0.039336	0.70	0.848278	0.65	0.787687	0.031961	0.65	0.787687	0.031961
1995	223775	3.086	0.80	0.979020	0.030216	0.70	0.856643	0.65	0.795454	0.024551	0.65	0.795454	0.024551
1994	235471	3.112	0.80	0.988377	0.030757	0.70	0.864830	0.65	0.803056	0.024990	0.65	0.803056	0.024990
<1994	270300	12.789	0.89	1.130567	0.144585	0.79	1.003537	0.65	0.825695	0.105596	0.65	0.825695	0.105596
TOTAL					0.921298				0.807964				0.736675
DL3													
2008	11382	9.048	0.90	0.910244	0.082359	0.80	0.809106	0.75	0.758537	0.068632	0.75	0.758537	0.068632
2007	34146	9.048	0.90	0.930731	0.084212	0.80	0.827317	0.75	0.775610	0.070177	0.75	0.775610	0.070177
2006	55509	7.935	0.90	0.949958	0.075375	0.80	0.844407	0.75	0.791632	0.062812	0.75	0.791632	0.062812
2005	74533	7.189	0.90	0.967080	0.069521	0.80	0.859626	0.75	0.805900	0.057934	0.75	0.805900	0.057934
2004	92068	6.751	0.90	0.982861	0.066349	0.80	0.873654	0.75	0.819051	0.055291	0.75	0.819051	0.055291
2003	108688	6.461	0.90	0.997819	0.064473	0.80	0.886950	0.75	0.831516	0.053728	0.75	0.831516	0.053728
2002	124991	6.498	0.90	1.012492	0.065794	0.80	0.899993	0.75	0.843743	0.054828	0.75	0.843743	0.054828
2001	140780	5.045	0.90	1.026702	0.051793	0.80	0.912624	0.75	0.855585	0.043161	0.75	0.855585	0.043161
2000	156051	5.072	0.90	1.040446	0.052766	0.80	0.924841	0.75	0.867038	0.043972	0.75	0.867038	0.043972
1999	171229	4.983	0.90	1.054106	0.052529	0.80	0.936983	0.75	0.878422	0.043775	0.75	0.878422	0.043775
1998	185561	4.511	0.90	1.067005	0.048132	0.80	0.948449	0.75	0.889171	0.040110	0.75	0.889171	0.040110
1997	199036	4.416	0.90	1.079132	0.047651	0.80	0.959229	0.75	0.899277	0.039709	0.75	0.899277	0.039709
1996	211826	4.058	0.90	1.090643	0.044253	0.80	0.969461	0.75	0.908870	0.036878	0.75	0.908870	0.036878
1995	223775	3.086	0.90	1.101398	0.033993	0.80	0.979020	0.75	0.917831	0.028328	0.75	0.917831	0.028328
1994	235471	3.112	0.90	1.111924	0.034602	0.80	0.988377	0.75	0.926603	0.028835	0.75	0.926603	0.028835
<1994	270300	12.789	0.99	1.257597	0.160830	0.89	1.130567	0.75	0.952725	0.121841	0.75	0.952725	0.121841
TOTAL					1.034633				0.921298				0.850010

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Reg.year	Acc. dr. length	Trafficwork (%)	V=30			V=60			V=80											
			q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)									
DHLL																				
2008	12800	12.572	4.08	4.094914	0.514793	2.86	2.866967	0.360422	3.30	3.314931	0.416737									
2007	38400	12.572	4.08	4.126243	0.518732	2.86	2.888901	0.363179	3.30	3.302364	0.415158									
2006	64000	12.572	4.08	4.157572	0.522670	2.86	2.910835	0.365936	3.30	3.302440	0.415167									
2005	89600	12.572	4.08	4.188900	0.526609	2.86	2.932769	0.368694	3.30	3.302516	0.415177									
2004	113375	10.790	4.08	4.217995	0.455136	2.86	2.953140	0.318654	3.30	3.302587	0.356361									
2003	133500	8.983	4.08	4.242624	0.381130	2.86	2.970383	0.266840	3.30	3.302647	0.296688									
2002	149975	7.202	4.08	4.262786	0.307013	2.86	2.984499	0.214949	3.30	3.302696	0.237866									
2001	162775	4.496	4.08	4.278450	0.192358	2.86	2.995466	0.134675	3.30	3.302734	0.148490									
2000	173725	4.496	4.08	4.291850	0.192961	2.86	3.004848	0.135097	3.30	3.302766	0.148492									
1999	184675	4.496	4.08	4.305251	0.193563	2.86	3.014230	0.135519	3.30	3.302799	0.148493									
1998	192650	1.076	5.83	6.164300	0.066303	4.08	4.315804	0.046420	4.72	4.718318	0.050750									
1997	197650	1.076	5.83	6.173042	0.066397	4.08	4.321924	0.046486	4.72	4.718339	0.050750									
1996	202650	1.076	5.83	6.181783	0.066491	4.08	4.328044	0.046552	4.72	4.718360	0.050750									
1995	207650	0.860	7.77	8.254032	0.071024	5.44	5.778885	0.049726	6.29	6.291176	0.054134									
1994	212650	0.860	7.77	8.265687	0.071124	5.44	5.787045	0.049796	6.29	6.291204	0.054134									
<1994	230150	4.302	8.46	9.048702	0.389309	6.02	6.438705	0.277017	6.58	6.582792	0.283216									
TOTAL					4.535612			3.179963			3.542363									
DHLM																				
2008	24350	12.572	4.37	4.399908	0.553136	3.83	3.855208	0.484659	3.54	3.569637	0.448758									
2007	73050	12.572	4.37	4.463725	0.561158	3.83	3.911124	0.491688	3.54	3.621411	0.455267									
2006	12175	12.572	4.37	4.383954	0.551130	3.83	3.841229	0.482901	3.54	3.556694	0.447131									
2005	170450	12.572	4.37	4.591358	0.577204	3.83	4.022956	0.505747	3.54	3.724960	0.468284									
2004	215700	10.790	4.37	4.650653	0.501822	3.83	4.074911	0.439697	3.54	3.773066	0.407127									
2003	254000	8.983	4.37	4.700842	0.422293	3.83	4.118886	0.370014	3.54	3.813784	0.342606									
2002	285350	7.202	4.37	4.741923	0.341521	3.83	4.154882	0.299242	3.54	3.847113	0.277076									
2001	309750	4.496	4.37	4.773896	0.214633	3.83	4.182897	0.188062	3.54	3.873053	0.174132									
2000	330650	4.496	4.37	4.801284	0.215865	3.83	4.206894	0.189141	3.54	3.895272	0.175131									
1999	351550	4.496	4.37	4.828671	0.217096	3.83	4.230891	0.190220	3.54	3.917492	0.176130									
1998	364500	1.076	6.24	6.922344	0.074456	5.47	6.065371	0.065239	5.06	5.616084	0.060406									
1997	369500	1.076	6.24	6.931704	0.074557	5.47	6.073572	0.065327	5.06	5.623678	0.060488									
1996	374500	1.076	6.24	6.941064	0.074658	5.47	6.081774	0.065415	5.06	5.631272	0.060570									
1995	379500	0.860	8.32	9.267232	0.079742	7.29	8.119967	0.069870	6.75	7.518488	0.064695									
1994	384500	0.860	8.32	9.279712	0.079850	7.29	8.130902	0.069964	6.75	7.528613	0.064782									
<1994	402000	4.302	13.63	15.278581	0.657341	12.08	13.538449	0.582474	10.61	11.886364	0.511395									
TOTAL					5.196461			4.559660			4.193975									

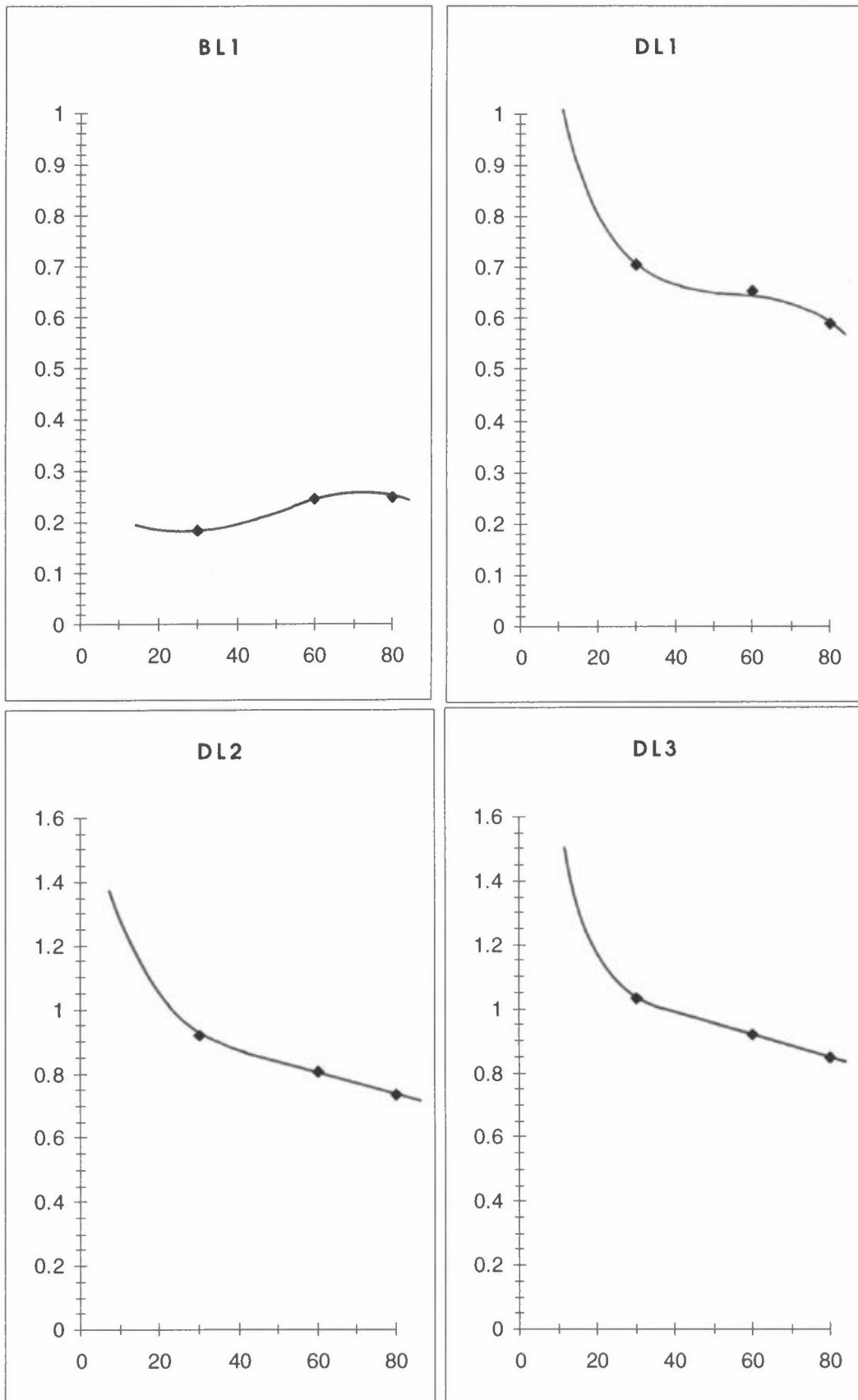
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Reg.year	Acc. dr. length	Trafficwork (%)	V=30				V=60				V=80			
			q(basis)	q(aging)	q(weighted)	NU	q(basis)	q(aging)	q(weighted)	NU	q(basis)	q(aging)	q(weighted)	NU
DHLH														
2008	24350	12.572	5.18	5.214314	0.655519	4.70	4.738363	0.595685	3.81	3.834055	0.481999	3.81	3.834055	0.481999
2007	73050	12.572	5.18	5.289943	0.665027	4.70	4.807088	0.604324	3.81	3.889664	0.488990	3.81	3.889664	0.488990
2006	12175	12.572	5.18	5.195407	0.653142	4.70	4.721181	0.593525	3.81	3.820152	0.480251	3.81	3.820152	0.480251
2005	170450	12.572	5.18	5.441200	0.684042	4.70	4.944539	0.621604	3.81	4.000883	0.502972	3.81	4.000883	0.502972
2004	215700	10.790	5.18	5.511471	0.594707	4.70	5.008396	0.540423	3.81	4.052552	0.437284	3.81	4.052552	0.437284
2003	254000	8.983	5.18	5.570949	0.500458	4.70	5.062445	0.454777	3.81	4.096286	0.367984	3.81	4.096286	0.367984
2002	285350	7.202	5.18	5.619634	0.404736	4.70	5.106686	0.367792	3.81	4.132084	0.297600	3.81	4.132084	0.297600
2001	309750	4.496	5.18	5.657526	0.254361	4.70	5.141119	0.231144	3.81	4.159946	0.187030	3.81	4.159946	0.187030
2000	330650	4.496	5.18	5.689983	0.255820	4.70	5.170613	0.232470	3.81	4.183811	0.188103	3.81	4.183811	0.188103
1999	351550	4.496	5.18	5.722440	0.257280	4.70	5.200107	0.233796	3.81	4.207676	0.189176	3.81	4.207676	0.189176
1998	364500	1.076	7.40	8.203643	0.088238	6.72	7.454832	0.080184	5.44	6.032091	0.064881	5.44	6.032091	0.064881
1997	369500	1.076	7.40	8.214736	0.088357	6.72	7.464912	0.080292	5.44	6.040247	0.064968	5.44	6.040247	0.064968
1996	374500	1.076	7.40	8.225828	0.089476	6.72	7.474992	0.080400	5.44	6.048403	0.065056	5.44	6.048403	0.065056
1995	379500	0.860	9.86	10.982561	0.094502	8.96	9.980096	0.085876	7.25	8.075413	0.069487	7.25	8.075413	0.069487
1994	384500	0.860	9.86	10.997351	0.094629	8.96	9.993536	0.085992	7.25	8.086288	0.069580	7.25	8.086288	0.069580
<1994	402000	4.302	14.81	16.600889	0.714232	14.01	15.698005	0.675386	11.51	12.898106	0.554924	11.51	12.898106	0.554924
TOTAL					6.093525			5.563669			4.510287			4.510287
DHB														
2008	24000	12.572	7.58	7.630295	0.959245	4.86	4.891215	0.614900	4.86	4.891215	0.614900	4.86	4.891215	0.614900
2007	72000	12.572	7.58	7.739386	0.972959	4.86	4.961145	0.623692	4.86	4.961145	0.623692	4.86	4.961145	0.623692
2006	120000	12.572	7.58	7.848477	0.986673	4.86	5.031075	0.632483	4.86	5.031075	0.632483	4.86	5.031075	0.632483
2005	168000	12.572	7.58	7.957568	1.000388	4.86	5.101005	0.641274	4.86	5.101005	0.641274	4.86	5.101005	0.641274
2004	216000	10.790	7.58	8.066659	0.870420	4.86	5.170935	0.557962	4.86	5.170935	0.557962	4.86	5.170935	0.557962
2003	261800	8.983	7.58	8.170749	0.734007	4.86	5.237660	0.470517	4.86	5.237660	0.470517	4.86	5.237660	0.470517
2002	303200	7.202	7.58	8.264840	0.595248	4.86	5.297975	0.381569	4.86	5.297975	0.381569	4.86	5.297975	0.381569
2001	340200	4.496	7.58	8.348931	0.375366	4.86	5.351879	0.240619	4.86	5.351879	0.240619	4.86	5.351879	0.240619
2000	372800	4.496	7.58	8.423022	0.378697	4.86	5.399373	0.242755	4.86	5.399373	0.242755	4.86	5.399373	0.242755
1999	401000	4.496	7.58	8.487113	0.381579	4.86	5.440457	0.244602	4.86	5.440457	0.244602	4.86	5.440457	0.244602
1998	424800	1.076	10.82	12.201719	0.131241	6.94	7.821615	0.084129	6.94	7.821615	0.084129	6.94	7.821615	0.084129
1997	443200	1.076	10.82	12.261460	0.131883	6.94	7.859910	0.084541	6.94	7.859910	0.084541	6.94	7.859910	0.084541
1996	457200	1.076	10.82	12.306914	0.132372	6.94	7.889048	0.084854	6.94	7.889048	0.084854	6.94	7.889048	0.084854
1995	468800	0.860	14.43	16.459435	0.141629	9.25	10.550920	0.090788	9.25	10.550920	0.090788	9.25	10.550920	0.090788
1994	478000	0.860	14.43	16.499262	0.141972	9.25	10.576450	0.091008	9.25	10.576450	0.091008	9.25	10.576450	0.091008
<1994	497000	4.302	17.15	19.703782	0.847730	10.75	12.352825	0.531464	10.75	12.352825	0.531464	10.75	12.352825	0.531464
TOTAL					8.781409			5.617156			5.617156			5.617156

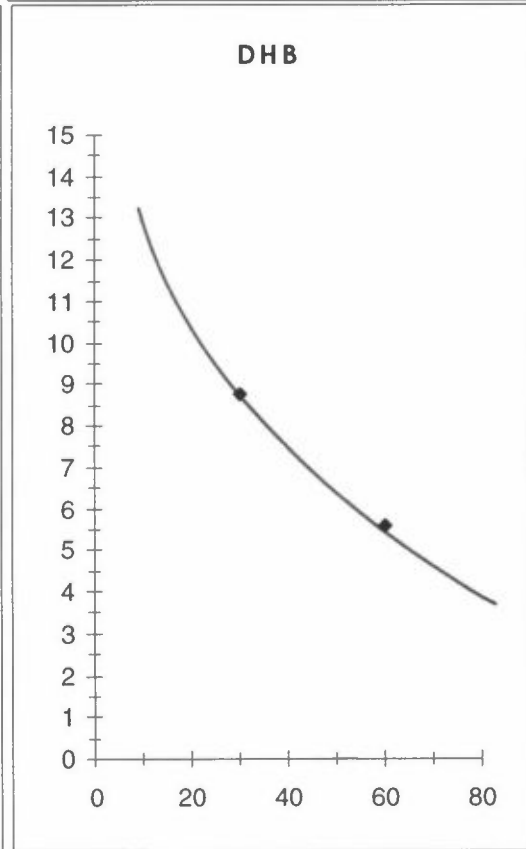
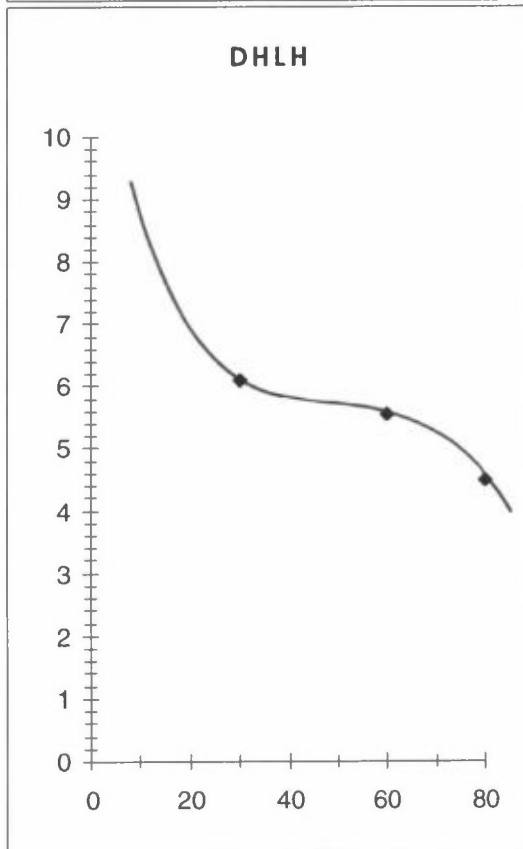
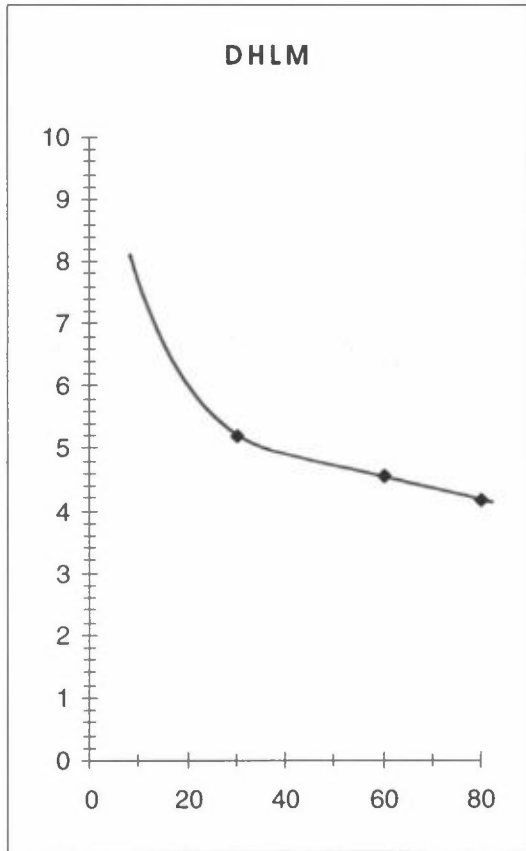
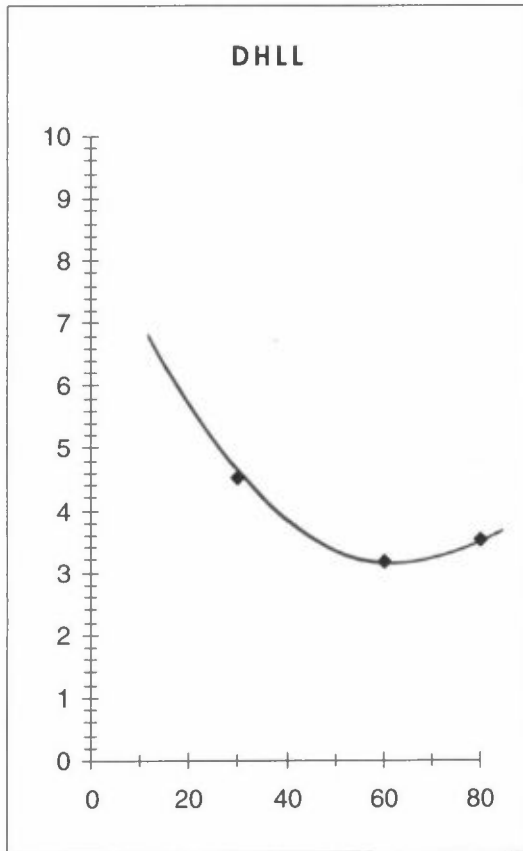
NOX2008.xls

Summary NU					
BL1		DL1		DL2	
10	0.190000	10	0.980000	10	1.280000
30	0.184400	30	0.708170	30	0.921298
60	0.244774	60	0.654394	60	0.807964
80	0.249771	80	0.590142	80	0.736675
DL3		DHLL		DHLM	
10	1.480000	10	7.040000	10	7.790000
30	1.034633	30	4.535612	30	5.196461
60	0.921298	60	3.179963	60	4.559660
80	0.850010	80	3.542363	80	4.193975
DHLH		DHB			
10	9.140000	10	13.080000		
30	6.093525	30	8.781409		
60	5.563669	60	5.617156		
80	4.510287	80			

NOX2008.xls



NOX2008.xls



Appendix H:

Calculation of emission factors for CO and NO_x for heavy duty vehicles (g/kg fuel to g/km)

In CORINAIR the emission factors for heavy duty vehicles are only given in g/kg fuel after January 1st 1986, and not specified for different driving patterns. The emission factors have to be transposed to g/emission/kg fuel consumption. Fuel consumption is an average between Urban, Rural and Highway utilized before January 1st 1986. These values are perhaps to high.

In NU all the emission factors for heavy duty vehicles are given in g/kg fuel, together with fuel consumption in kg/km. These have to be given as g emission/km driven.

CORINAIR
Q for heavy duty vehicles introduced after 1/1-86
Independent of road class

TA 3.5-16 tonnes		
(The limit 16 is valid for 12-18.)		
	q	q
	g/kg fuel	g/km
	18.6	3.534
CO		
	36.1	6.859
NO _x		
	8.1	1.539
VOC		
	2.9	0.551
particles		

1) fra NU, snitt

TA >16 tonnes		
(The limit 16 is valid for 12-18.)		
	q	q
	g/kg fuel	g/km
	19.3	5.597
CO		
	49.1	14.239
NO _x		
	5.3	1.537
VOC		
	2.1	0.609
particles		

1) fra NU, snitt

Buses, (TA > 16 tonnes)			
City			
	q	Fuel consumption 1)	q
	g/kg fuel	kg/km	g/km
	19.3	0.4	7.72
CO			
	49.1	0.4	19.64
NO _x			
	5.3	0.4	2.12
VOC			
	2.1	0.4	0.84
particles			

1) fra NU

Buses, (TA > 16 tonnes)			
Country side			
	q	Fuel consumption 1)	q
	g/kg fuel	kg/km	g/km
	19.3	0.25	4.825
CO			
	49.1	0.25	12.275
NO _x			
	5.3	0.25	1.325
VOC			
	2.1	0.25	0.525
particles			

1) fra NU

NU (Pre -93)
Q for heavy duty vehicles before and after the demands in 1993.

TA 3.5-10 tonnes

City	
q	Fuel consumption
g/kg fuel	kg/km
41	0.22
39	0.22
9.2	0.22
4.1	0.22
	l/10 km
	2.65060241

Country side	
q	Fuel consumption
g/kg fuel	kg/km
24	0.18
34	0.18
5.7	0.18
2.9	0.18
	l/10 km
	2.168674699

Highway	
q	Fuel consumption
g/kg fuel	kg/km
22	0.17
39	0.17
6.9	0.17
3.1	0.17
	l/10 km
	2.048192771

CO
NO_x
VOC
particles

q
g/km
3.74
6.63
1.173
0.527

TA 10-20 tonnes

City	
q	Fuel consumption
g/kg fuel	kg/km
30	0.33
44	0.33
8.5	0.33
3.6	0.33
	l/10 km
	3.975903614

Country side	
q	Fuel consumption
g/kg fuel	kg/km
18	0.28
46	0.28
0	0.28
0	0.28
	l/10 km
	3.373493976

Highway	
q	Fuel consumption
g/kg fuel	kg/km
16	0.25
45	0.25
0	0.25
0	0.25
	l/10 km
	3.012048193

CO
NO_x
VOC
particles

q
g/km
4
11.25
0
0

TA > 20 tonnes

City	
q	Fuel consumption
g/kg fuel	kg/km
30	0.34
46	0.34
0	0.34
0	0.34
	l/10 km
	4.096385542

Country side	
q	Fuel consumption
g/kg fuel	kg/km
19	0.33
45	0.33
0	0.33
0	0.33
	l/10 km
	3.975903614

Highway	
q	Fuel consumption
g/kg fuel	kg/km
15	0.26
47	0.26
0	0.26
0	0.26
	l/10 km
	3.13253012

CO
NO_x
VOC
particles

q
g/km
3.90
12.22
0
0

TA > 20 tonnes

	q	Fuel consumption	q
	g/kg fuel	kg/km	g/km
CO	9	0.34	3.06
NO _x	29	0.34	9.86
VOC		0.34	0
particles		0.34	0
		l/10 km	
		4.096385542	

	q	Fuel consumption	q
	g/kg fuel	kg/km	g/km
CO	6	0.32	1.92
NO _x	28	0.32	8.96
VOC		0.32	0
particles		0.32	0
		l/10 km	
		3.855421687	

	q	Fuel consumption	q
	g/kg fuel	kg/km	g/km
CO	5	0.25	1.25
NO _x	29	0.25	7.25
VOC		0.25	0
particles		0.25	0
		l/10 km	
		3.012048193	

Busses (>3.5 tonnes)

	q	Fuel consumption	q
	g/kg fuel	kg/km	g/km
CO	8	0.39	3.12
NO _x	37	0.39	14.43
VOC		0.39	0
particles		0.39	0
		l/10 km	
		4.698795181	

	q	Fuel consumption	q
	g/kg fuel	kg/km	g/km
CO	5	0.25	1.25
NO _x	37	0.25	9.25
VOC		0.25	0
particles		0.25	0
		l/10 km	
		3.012048193	

	q	Fuel consumption	q
	g/kg fuel	kg/km	g/km
CO			
NO _x			
VOC			
particles			

Appendix I:

Distribution of traffic work for vehicles of different age distribution, depending on the rate of renewal

In NU the distribution of traffic work for all vehicle classes are given for the year 1991. We are going to estimate the emission factors for 1993, 1998, 2003 and 2008. The traffic distribution for these years will depend on the rate of renewal in the years to come. It is assumed that the traffic work for DL1, DL2, DL3 and BL1 has equal distribution to BL1, and that the traffic work for the remaining classes is equal to DHLM.

Appendix J:

Development of exhaust emission regulations, and the resulting effects on emissions

The following is a description to the development of the exhaust demands.

The first quantitative emission demands were presented in 1972, and referred to CO and HC. From 1972 to 1988 many of ECEs emission demands were introduced also in Norway, although not necessary at the same time as in ECE. ECE is a FN-organisation - Economic Commission for Europe. ECEs emission directives have mostly been comparable to the emission demands given by ECE.

From 1988 and onward the following has happened:

Light duty vehicles.

January 1st 1989 the US LDV (Light Duty Vehicles) 1983-demands were introduced for light duty gasoline cars. In order for the cars to accomplish these demands, catalyts had to be introduced to the gasoline cars.

October 1st 1990 the US LDV 1983-demands were introduced to the rest of the gasoline cars (light duty trucks and light *kombinerte* cars). The US LDV 1987-demands were introduced to light diesel cars. This resulted for the first time to the introduction of a demand for particle emissions. The only difference between the US LDV 1983 and 1987-demands are that the latter contains the demand to particle emissions (see Table 1). Generally, the emission demand to particles does only relate to diesel cars.

Table 2 show today's demands in EU. The demands in Table 1 and table 2 are not comparable because the driving pattern is different. However, it is agreed that they represent approximately the same emission level. Table 3 presents the demands that will be introduced in EF, and in the countries that are part of EØS, from 1996/1997. (This means that these demands will apply to *typegodkjente* vehicles after October 1st 1996 which are registered after October 1st 1997). This is the first time different demands are given for diesel and gasoline cars in respect to gaseous components. In ROADAIR 3.11 it is assumed that the emission reduction will be proportional to the reduction as a result of the new demands. The resulting uncertainty is larger for NO_x than for CO. Because the demand is enforceable both to HC and NO_x together, the car producers can choose to mainly reduce emissions of HC. It is expected that it is only minor adjustments and improvements of today's technology that is necessary to get below the EF-demands from 1996/1997.

Table 1: Present Norwegian demands for emissions from light duty vehicles (US LDV 1987, FTP-driving pattern).

Component	CO	HC	NO _x	Highway NO _x	Particles
Emissions (g./km)	2.1	0.25	0.62	0.76	0.124

Table 2: Present EF-demands for emissions from light duty vehicles (Dir. 91/441/EØS, "Euro new-driving pattern").

Component	CO	HC+ NO _x	Particles
Emissions (g./km)	3.16	1.13	0.18

Table 3: EFs emission demands for light duty vehicles from 1996/1997 (COM(92)572, Driving pattern "Euro-new").

Vehicle class	CO g/km)	HC+NOx (g/km)	Particles (g/km)
Gasoline	2.2	0.5	-
Diesel IDI ¹⁾	1.0	0.7	0.08
Diesel DI ²⁾	1.0	0.9	0.10

1) Indirect injection

2) Direct injection

An additional emission reduction from year 2000 is proposed. A total revision of the procedure concerning emission exhaust testing may be introduced (i.e. changing the driving patterns). We do not know anything yet about the new proposed emission demands and have therefor not been able to include such in this version of the ROADAIR-model. Hence, the model does not account for any emission reduction between today and year 2008. The average emission factor for the entire vehicle park decreases, however, because old non-catalyst cars are replaced with new catalyst cars.

Trucks.

October 1st 1991 it was decided to introduce the US LDT (Light Duty Trucks) 1990-demands for all L2-vehicles (gross weight > 3.5 tonnes, *Nyttelast* > 760 kg). The introduction of the new demands were, however, postponed to October 1st 1992 based on *klager*. The demands are presented in Table 4. October 1st 1994 a new set of demands for trucks were introduced in EF based on a different driving pattern ("Euro-new) (see table 5). We have so far not been able to estimate the effect of the new demands. They are therefor not included in the model.

Table 4: US LDT 1990-demands. FTP 1975 driving pattern

Component	CO	HC	NOx	Highway NOx	Particles
Emissions (g./km)	6.2	0.5	1.1	1.4	0.162

Table 5: *EF-demands (g/km) for trucks from 1993/1994 (COM(92)64. Driving pattern: "Euro-new").*

Reference weight	CO g/km)	HC+NO _x (g/km)	Particles (g/km)
< 1250 kg	3.16	1.13	0.18
1250-1700 kg	5	1.6	0.22
> 1700 kg	8	2	0.29

Heavy duty vehicles.

From October 1st 1993 EFs so called Euro I demands were to be introduced for heavy duty vehicles (gross weight > 3.5 tonnes) (see table 6). These are the same as US HDV (Heavy Duty Vehicles) 1991-demands. From October 1st 1996 EF shall, and hence also Norway, introduce the so-called Euro II-demands presented in table 15. We assume that from January 1st year 2000 Euro III-demands will be introduced, although this is more uncertain. The Euro III-demand for NO_x is expected to be 5 g/kWh.

Table 6: *The Euro I-demands for heavy duty vehicles (g/kWh) EF-directive 91/542, A-demand.*

Component	CO	HC	NO _x	Particles
Emissions (g./km)	4.9	1.23	9.0	0.4

Table 7: *The Euro II-demands for heavy duty vehicles (g/kWh), EF-directive 91/542, B-demand.*

Component	CO	HC	NO _x	Particles
Emissions (g./km)	4.0	1.1	7.0	0.15

The percentage reduction in the level of demand is not necessarily equal to the percentage emission reduction. The effect of new demands is dependent on how today's emission technology is compared to the demands today. Example: demands were introduced which made catalysts necessary. If a catalyst car was equipped with catalyst the emissions were way below the level of demand.

The level of demand is also defined according to a standard driving pattern, and not according to real driving patterns.

For CO Euro I and II will not cause any problems with today's vehicle technology. The Co emissions from heavy duty cars are also not important compared to the emissions from light duty gasoline cars. For Euro III we do not know the CO-demand yet, and therefor there is assumed no reduction.

Technological institute presents the following estimate for the effect of Euro I - III for emissions of NO_x from heavy duty vehicles:

- Euro I ⇒ 27% reduction
- Euro II ⇒ 24% reduction
- Euro III ⇒ 31% reduction

These values are utilized in ROADAIR 3.11.

Appendix K:

Effect of cold start on emissions of CO and NO_x for light duty gasoline- and diesel vehicles

Vehicle classes	Cold start emissions, g/start		Ordinary emissions, g/km		20 degrees 6 km Cold start emissions, g/km		5 degrees below Cold start emissions, g/km		Cold start emissions, g/km		Cold start factors (H+D)/D (I+E)/E	
	CO	NO _x	CO	NO _x	CO	NO _x	CO	NO _x	CO	NO _x	CO	NO _x
BL1												
Pre ECE	115	-1	35	1.9	19.17	-0.17	71.88	0.04	0.11	-0.05	3.05	1.02
ECE 15.00	85	-1	25	1.9	14.17	-0.17	53.13	0.04	0.11	-0.05	3.13	1.02
ECE 15.02	70	-0.8	22	1.6	11.67	-0.13	43.75	0.03	0.11	-0.05	2.99	1.02
ECE 15.03	65	-0.9	21	1.7	10.83	-0.15	40.63	0.04	0.11	-0.05	2.93	1.02
ECE 15.03/04	55	-0.9	17	1.8	9.17	-0.15	34.38	0.04	0.11	-0.05	3.02	1.02
US -83	14	1.1	0.23	0.1	2.33	0.18	14.00	0.64	0.2	0.1	61.87	7.42
DL1												
No demand	1.2	0.2	0.8	0.6	0.20	0.03	0.70	0.18	0.1	0.18	1.88	1.31
US -87	0.9	0.2	0.7	0.6	0.15	0.03	0.53	0.18	0.1	0.18	1.75	1.31
DL2												
No demand	1.8	0.3	1	0.9	0.30	0.05	1.05	0.28	0.1	0.18	2.05	1.31
US -87	1.4	0.3	0.9	0.8	0.23	0.05	0.82	0.28	0.1	0.18	1.91	1.34
DL3												
No demand	1.8	0.3	1.2	1	0.30	0.05	1.05	0.28	0.1	0.18	1.88	1.28
US-87	1.4	0.3	1.1	0.9	0.23	0.05	0.82	0.28	0.1	0.18	1.74	1.31

The cold start emissions in g/start are transformed to g/km assuming that the initial emission covers 6 km driving length. The number of cars assumed to be in cold start mode in the program is based on the assumption that the cold start emissions is uniform for the 6 km. The cold start emission has been corrected to 5 degrees below. The ratio between emission in cold-and warm start mode is estimated (H+D)/D and I + E/E)

Appendix L:

**Fuel consumption for the year 1993, 1998, 2003,
2008**

Fuel consumption 1993								
V	10	20	30	40	50	60	70	80
BL1	1.74	1.42	1.13	0.94	0.78	0.67	0.67	0.67
DL1	1.09	0.84	0.71	0.60	0.54	0.51	0.51	0.51
DL2	1.42	1.12	0.92	0.80	0.70	0.66	0.66	0.66
DL3	1.64	1.26	1.06	0.92	0.85	0.76	0.76	0.76
DHLL	3.14	2.87	2.67	2.45	2.30	2.18	2.10	2.07
DHLM	4.60	4.23	4.05	3.80	3.50	3.44	3.20	3.08
DHLH	4.21	4.20	4.19	4.18	4.10	4.05	3.70	3.19
DHB	5.63	5.22	4.93	4.35	3.65	3.09	2.20	1.25
Fuel consumption 1998								
BL1	1.58	1.29	1.03	0.85	0.71	0.61	0.61	0.61
DL1	1.07	0.82	0.69	0.59	0.53	0.50	0.50	0.50
DL2	1.39	1.10	0.90	0.78	0.68	0.65	0.65	0.65
DL3	1.61	1.24	1.04	0.90	0.83	0.74	0.74	0.74
DHLL	3.09	2.82	2.62	2.41	2.26	2.14	2.06	2.03
DHLM	4.53	4.16	3.98	3.74	3.44	3.38	3.15	3.03
DHLH	4.14	4.13	4.12	4.11	4.03	3.98	3.64	3.14
DHB	5.54	5.14	4.85	4.28	3.59	3.04	2.16	1.23
Fuel consumption 2003								
BL1	1.48	1.21	0.96	0.80	0.66	0.57	0.57	0.57
DL1	1.05	0.81	0.68	0.58	0.52	0.49	0.49	0.49
DL2	1.37	1.08	0.89	0.77	0.67	0.64	0.64	0.64
DL3	1.59	1.22	1.02	0.89	0.82	0.73	0.73	0.73
DHLL	3.04	2.78	2.58	2.37	2.23	2.11	2.03	2.00
DHLM	4.46	4.10	3.92	3.68	3.39	3.33	3.10	2.98
DHLH	4.08	4.07	4.06	4.05	3.97	3.92	3.58	3.09
DHB	5.46	5.06	4.78	4.21	3.54	2.99	2.13	1.21
Fuel consumption 2008								
BL1	1.40	1.15	0.91	0.76	0.63	0.54	0.54	0.54
DL1	1.04	0.80	0.67	0.57	0.51	0.48	0.48	0.48
DL2	1.35	1.06	0.87	0.76	0.66	0.63	0.63	0.63
DL3	1.56	1.20	1.01	0.87	0.81	0.72	0.72	0.72
DHLL	2.99	2.74	2.54	2.33	2.19	2.08	2.00	1.97
DHLM	4.39	4.03	3.86	3.62	3.34	3.28	3.05	2.94
DHLH	4.02	4.01	4.00	3.99	3.91	3.86	3.53	3.04
DHB	5.37	4.98	4.70	4.15	3.48	2.95	2.10	1.19

nyforb93.xls

Reg. year year	Acc. dr. length	Acc.dr. (10000)	Traffic- work (%)	V=30			V=60			V=80		
				q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)
BL1				1.000	1.001821	0.062497	0.600	0.601093	0.037498	0.600	0.601093	0.037498
93	9106	0.9106	6.238	1.000	1.005463	0.062725	0.600	0.603278	0.037635	0.600	0.603278	0.037635
92	27317	2.7317	6.238	1.000	1.008881	0.022168	0.600	0.605329	0.013301	0.600	0.605329	0.013301
91	44407	4.4407	2.197	1.000	1.011925	0.048018	0.600	0.607155	0.028811	0.600	0.607155	0.028811
90	59627	5.9627	4.745	1.000	1.014731	0.040177	0.600	0.608839	0.024106	0.600	0.608839	0.024106
89	73655	7.3655	3.959	1.000	1.077390	0.051099	0.610	0.625912	0.029686	0.610	0.625912	0.029686
88	86951	8.6951	4.743	1.050	1.081498	0.087036	0.610	0.628299	0.050564	0.610	0.628299	0.050564
87	99993	9.9993	8.048	1.050	1.085477	0.119609	0.610	0.630610	0.069487	0.610	0.630610	0.069487
86	112624	11.2624	11.019	1.050	1.089325	0.115217	0.610	0.632846	0.066936	0.610	0.632846	0.066936
85	124841	12.4841	10.577	1.050	1.197259	0.083089	0.680	0.707945	0.049131	0.680	0.707945	0.049131
84	136983	13.6983	6.940	1.150	1.201215	0.076537	0.680	0.710284	0.045257	0.680	0.710284	0.045257
83	148449	14.8449	6.372	1.150	1.204934	0.074672	0.680	0.712483	0.044154	0.680	0.712483	0.044154
82	159229	15.9229	6.197	1.150	1.208464	0.059168	0.680	0.714570	0.034986	0.680	0.714570	0.034986
81	169461	16.9461	4.896	1.150	1.211762	0.049649	0.680	0.716520	0.029358	0.680	0.716520	0.029358
80	179020	17.9020	4.097	1.150	1.214990	0.045383	0.680	0.718429	0.026835	0.680	0.718429	0.026835
79	188377	18.8377	3.735	1.150	1.341739	0.134140	0.750	0.798654	0.079845	0.750	0.798654	0.079845
<79	216240	21.6240	9.997	1.260								
TOTAL						1.131184			0.667589			0.667589
DL1												
93	11837	1.1837	6.238	0.700	0.700829	0.043720	0.500	0.500592	0.031229	0.500	0.500592	0.031229
92	35511	3.5511	6.238	0.700	0.702486	0.043824	0.500	0.501776	0.031303	0.500	0.501776	0.031303
91	57729	5.7729	2.197	0.700	0.704041	0.015470	0.500	0.502886	0.011050	0.500	0.502886	0.011050
90	77514	7.7514	4.745	0.700	0.705426	0.033474	0.500	0.503876	0.023910	0.500	0.503876	0.023910
89	95751	9.5751	3.959	0.700	0.706703	0.027981	0.500	0.504788	0.019987	0.500	0.504788	0.019987
88	113063	11.3063	4.743	0.700	0.707914	0.033575	0.500	0.505653	0.023982	0.500	0.505653	0.023982
87	129990	12.9990	8.048	0.700	0.709099	0.057066	0.500	0.506500	0.040761	0.500	0.506500	0.040761
86	146411	14.6411	11.019	0.700	0.710249	0.078263	0.500	0.507321	0.055902	0.500	0.507321	0.055902
85	162239	16.2239	10.577	0.700	0.711357	0.075240	0.500	0.508112	0.053743	0.500	0.508112	0.053743
84	178078	17.8078	6.940	0.700	0.712465	0.049444	0.500	0.508904	0.035317	0.500	0.508904	0.035317
83	192983	19.2983	6.372	0.700	0.713509	0.045462	0.500	0.509649	0.032473	0.500	0.509649	0.032473
82	206997	20.6997	6.197	0.700	0.714490	0.044278	0.500	0.510350	0.031627	0.500	0.510350	0.031627
81	220299	22.0299	4.896	0.700	0.715421	0.035028	0.500	0.511015	0.025020	0.500	0.511015	0.025020
80	232726	23.2726	4.097	0.700	0.716291	0.029348	0.500	0.511636	0.020963	0.500	0.511636	0.020963
79	244889	24.4889	3.735	0.700	0.717142	0.026787	0.500	0.512244	0.019134	0.500	0.512244	0.019134
<79	281112	28.1112	9.997	0.700	0.719678	0.071950	0.500	0.514056	0.051393	0.500	0.514056	0.051393
TOTAL						0.710910			0.507793			0.507793

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Reg. year DL2	Acc. dr. length	Acc.dr. (10000)	Traffic- work (%)	V=30		V=60		V=80	
				q(basis)	q(aging)	q(weighed)	q(basis)	q(aging)	q(weighed)
93	11382	1.1382	6.238	0.910	0.911036	0.056834	0.650	0.650740	0.040596
92	34146	3.4146	6.238	0.910	0.913107	0.056963	0.650	0.652219	0.040688
91	55509	5.5509	2.197	0.910	0.915051	0.020106	0.650	0.653608	0.014362
90	74533	7.4533	4.745	0.910	0.916783	0.043503	0.650	0.654845	0.031074
89	92068	9.2068	3.959	0.910	0.918378	0.036362	0.650	0.655984	0.025973
88	108688	10.8688	4.743	0.910	0.919891	0.043629	0.650	0.657065	0.031163
87	124991	12.4991	8.048	0.910	0.921374	0.074149	0.650	0.658124	0.052964
86	140780	14.078	11.019	0.910	0.922811	0.101685	0.650	0.659151	0.072632
85	156051	15.6051	10.577	0.910	0.924201	0.097752	0.650	0.660143	0.069823
84	171229	17.1229	6.940	0.910	0.925582	0.064235	0.650	0.661130	0.045882
83	185561	18.5561	6.372	0.910	0.926886	0.059058	0.650	0.662061	0.042184
82	199036	19.9036	6.197	0.910	0.928112	0.057516	0.650	0.662937	0.041083
81	211826	21.1826	4.896	0.910	0.929276	0.045499	0.650	0.663769	0.032499
80	223775	22.3775	4.097	0.910	0.930364	0.038119	0.650	0.664545	0.027228
79	235471	23.5471	3.735	0.910	0.931428	0.034792	0.650	0.665306	0.024851
<79	270300	27.03	9.997	0.910	0.934597	0.093436	0.650	0.667570	0.066740
TOTAL					0.923638			0.659742	0.659742
Reg. year DL3	Acc. dr. length	Acc.dr. (10000)	Traffic- work (%)	V=30		V=60		V=80	
				q(basis)	q(aging)	q(weighed)	q(basis)	q(aging)	q(weighed)
93	11382	1.1382	6.238	1.050	1.051195	0.065578	0.750	0.750854	0.046841
92	34146	3.4146	6.238	1.050	1.053585	0.065727	0.750	0.752561	0.046948
91	55509	5.5509	2.197	1.050	1.055828	0.023199	0.750	0.754163	0.016571
90	74533	7.4533	4.745	1.050	1.057826	0.050196	0.750	0.755590	0.035854
89	92068	9.2068	3.959	1.050	1.059667	0.041956	0.750	0.756905	0.029969
88	108688	10.8688	4.743	1.050	1.061412	0.050341	0.750	0.758152	0.035958
87	124991	12.4991	8.048	1.050	1.063124	0.085557	0.750	0.759374	0.061112
86	140780	14.078	11.019	1.050	1.064782	0.117329	0.750	0.760559	0.083806
85	156051	15.6051	10.577	1.050	1.066385	0.112791	0.750	0.761704	0.080565
84	171229	17.1229	6.940	1.050	1.067979	0.074117	0.750	0.762842	0.052941
83	185561	18.5561	6.372	1.050	1.069484	0.068144	0.750	0.763917	0.048674
82	199036	19.9036	6.197	1.050	1.070899	0.066365	0.750	0.764928	0.047404
81	211826	21.1826	4.896	1.050	1.072242	0.052499	0.750	0.765887	0.037499
80	223775	22.3775	4.097	1.050	1.073496	0.043984	0.750	0.766783	0.031417
79	235471	23.5471	3.735	1.050	1.074724	0.040144	0.750	0.767660	0.028674
<79	270300	27.03	9.997	1.050	1.078382	0.107811	0.750	0.770273	0.077008
TOTAL					1.065737			0.761241	0.761241

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Reg. year DHLL	Acc. dr. length	Acc.dr. (10000)	Traffic- work (%)	V=30		V=60		V=80	
				q(basis)	NU	q(basis)	NU	q(basis)	NU
93	12800	1.28	12.087	2.530	2.533359	0.306208	2.048	2.050814	2.048
92	38400	3.84	12.087	2.651	2.660781	0.321609	2.169	2.177002	2.048
91	64000	6.4	3.528	2.651	2.667566	0.094100	2.169	2.182554	2.048
90	89600	8.96	8.351	2.651	2.674352	0.223334	2.169	2.188106	2.048
89	113375	11.3375	6.031	2.651	2.680654	0.161665	2.169	2.193262	2.048
88	133500	13.35	8.324	2.651	2.685988	0.223569	2.169	2.197627	2.048
87	149975	14.9975	9.750	2.651	2.690355	0.262308	2.169	2.201199	2.048
86	162775	16.2775	8.818	2.651	2.693748	0.237524	2.169	2.203975	2.048
85	173725	17.3725	6.976	2.651	2.696650	0.188124	2.169	2.206350	2.048
84	184675	18.4675	5.481	2.651	2.699552	0.147959	2.169	2.208725	2.048
83	192650	19.265	1.301	2.651	2.701666	0.035145	2.169	2.210454	2.048
82	197650	19.765	1.484	2.651	2.702992	0.040117	2.169	2.211539	2.048
81	202650	20.265	1.302	2.651	2.704317	0.035220	2.169	2.212623	2.048
80	207650	20.765	1.169	2.651	2.705642	0.031637	2.169	2.213707	2.048
79	212650	21.265	1.146	2.651	2.706967	0.031012	2.169	2.214792	2.048
<79	230150	23.015	12.166	2.651	2.711606	0.329897	2.169	2.218587	2.048
TOTAL						2.669429		2.181427	
Reg. year DHLM									
93	24350	2.435	12.087	3.855	3.864810	0.467140	3.253	3.260933	3.012
92	73050	7.305	12.087	3.976	4.004948	0.484079	3.373	3.398137	3.012
91	12175	1.2175	3.528	3.976	3.980744	0.140423	3.373	3.377601	3.012
90	170450	17.045	8.351	3.976	4.043673	0.337686	3.373	3.430995	3.012
89	215700	21.57	6.031	3.976	4.061664	0.244951	3.373	3.446260	3.012
88	254000	25.4	8.324	3.976	4.076892	0.339341	3.373	3.459181	3.012
87	285350	28.535	9.750	3.976	4.089356	0.398709	3.373	3.469757	3.012
86	309750	30.975	8.818	3.976	4.099057	0.361438	3.373	3.477988	3.012
85	330650	33.065	6.976	3.976	4.107367	0.286539	3.373	3.485039	3.012
84	351550	35.155	5.481	3.976	4.115677	0.225575	3.373	3.492089	3.012
83	364500	36.45	1.301	3.976	4.120825	0.053606	3.373	3.496458	3.012
82	369500	36.95	1.484	3.976	4.122813	0.061190	3.373	3.498145	3.012
81	374500	37.45	1.302	3.976	4.124801	0.053719	3.373	3.499831	3.012
80	379500	37.95	1.169	3.976	4.126789	0.048255	3.373	3.501518	3.012
79	384500	38.45	1.146	3.976	4.128777	0.047301	3.373	3.503205	3.012
<79	402000	40.2	12.166	3.976	4.135735	0.503158	3.373	3.509108	3.012
TOTAL						4.053113		3.436793	

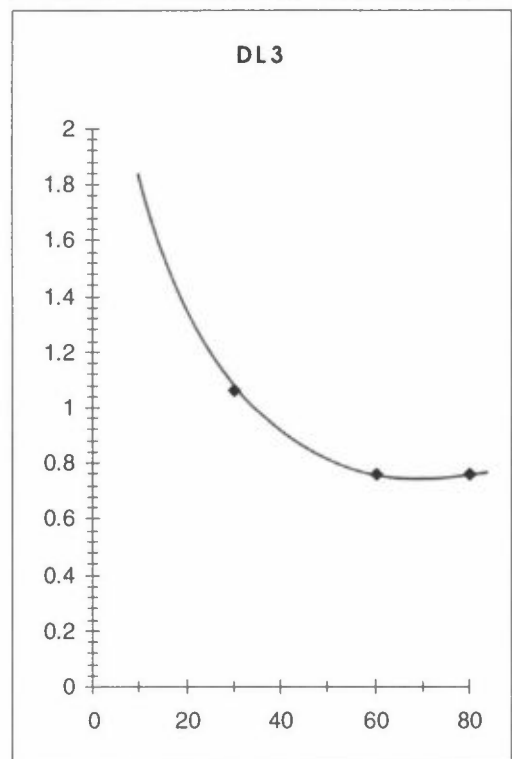
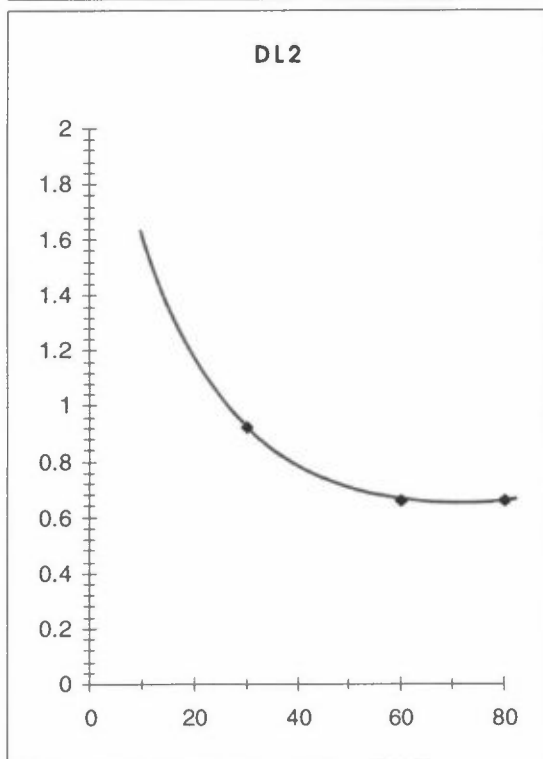
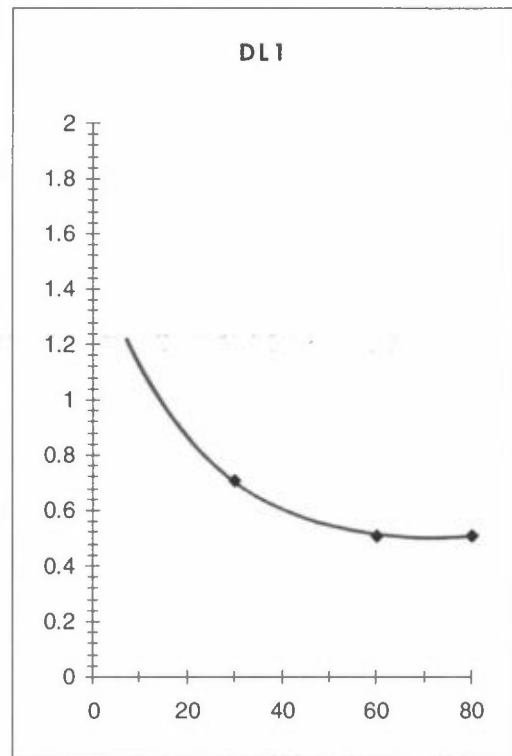
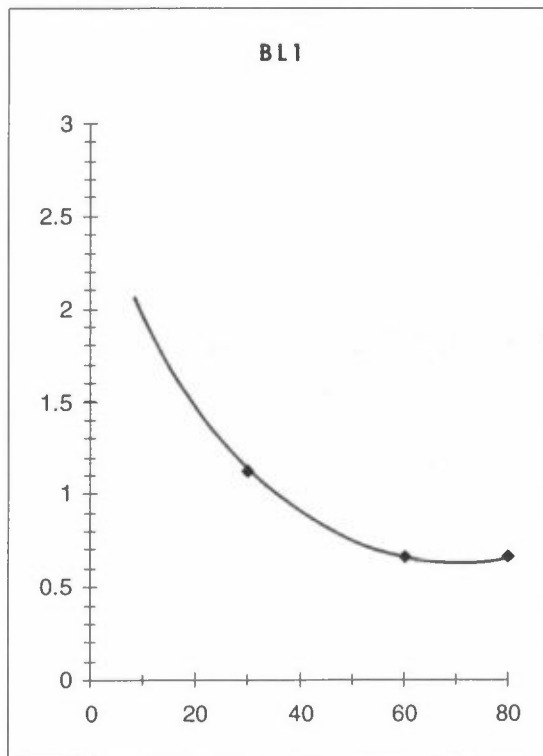
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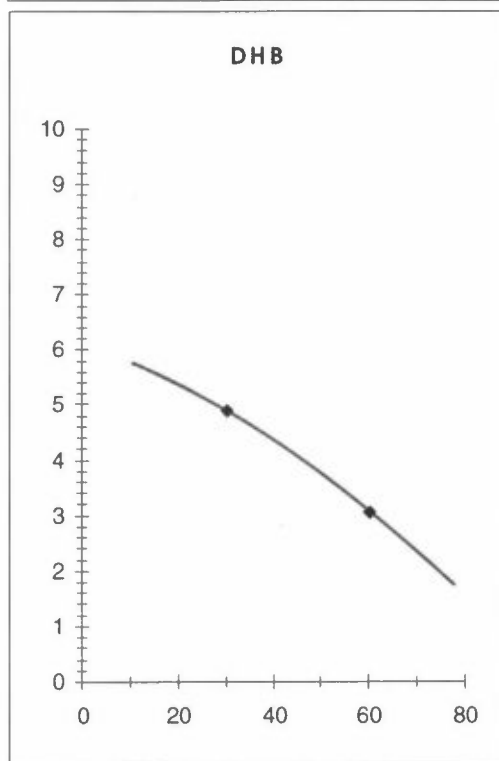
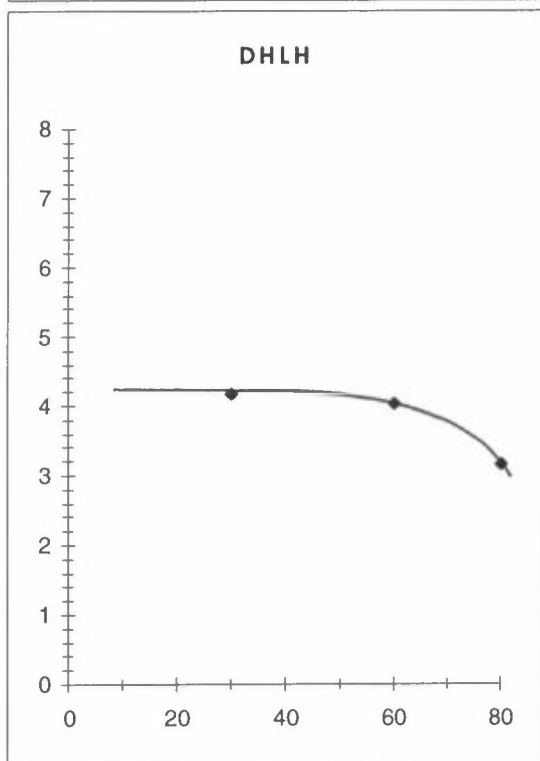
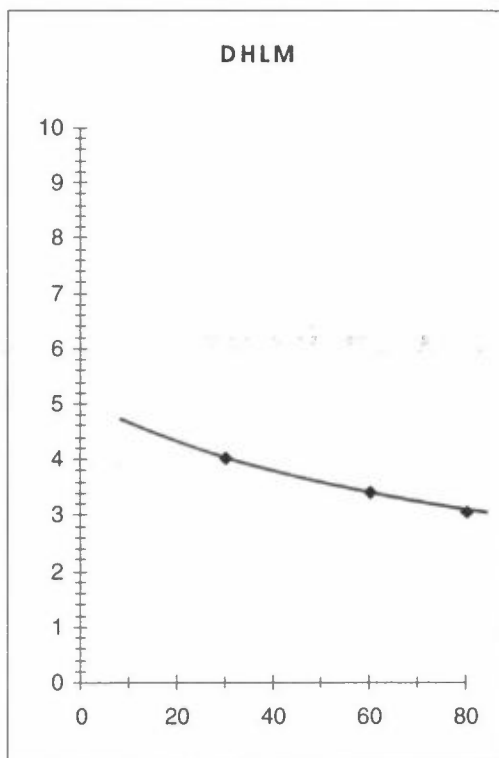
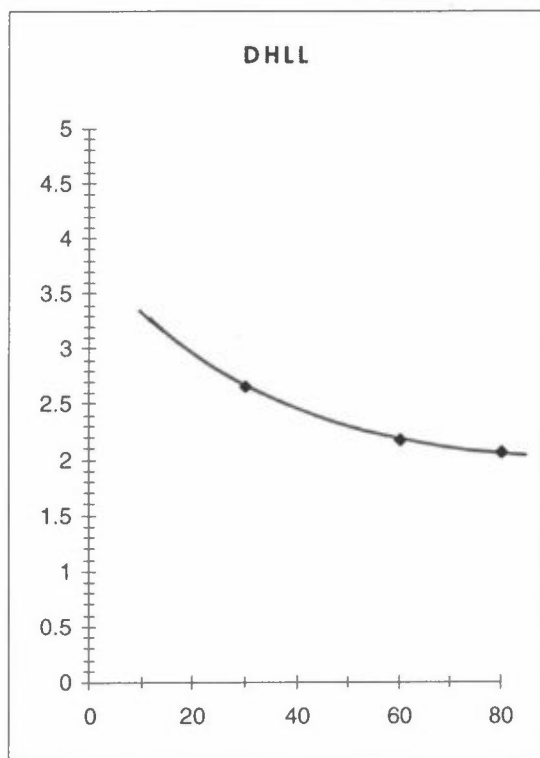
Reg. year DHLH	Acc. dr. length	Acc.dr. (10000)	Traffic- work (%)	V=30			V=60			V=80		
				q(basis)	q(aging)	q(weighed)	q(basis)	q(aging)	q(weighed)	q(basis)	q(aging)	q(weighed)
93	24350	2.435	12.087	4.096	4.106360	0.496337	3.855	3.864810	0.467140	3.012	3.019383	0.364953
92	73050	7.305	12.087	4.096	4.126310	0.498748	3.976	4.004948	0.484079	3.133	3.155413	0.381395
91	12175	1.2175	3.528	4.096	4.101373	0.144679	3.976	3.980744	0.140423	3.133	3.136344	0.110637
90	170450	17.045	8.351	4.096	4.166208	0.347919	3.976	4.043673	0.337686	3.133	3.185924	0.266056
89	215700	21.57	6.031	4.096	4.184745	0.252374	3.976	4.061664	0.244851	3.133	3.200099	0.192992
88	254000	25.4	8.324	4.096	4.200434	0.349625	3.976	4.076892	0.339341	3.133	3.212096	0.267360
87	285350	28.535	9.750	4.096	4.213276	0.410792	3.976	4.099356	0.398709	3.133	3.221917	0.314135
86	309750	30.975	8.818	4.096	4.223271	0.372391	3.976	4.099057	0.361438	3.133	3.229560	0.284770
85	330650	33.065	6.976	4.096	4.231833	0.295222	3.976	4.107367	0.286539	3.133	3.236107	0.225758
84	351550	35.155	5.481	4.096	4.240394	0.232411	3.976	4.115677	0.225575	3.133	3.242654	0.177726
83	364500	36.45	1.301	4.096	4.245699	0.055231	3.976	4.120825	0.053606	3.133	3.246711	0.042235
82	369500	36.95	1.484	4.096	4.247747	0.063044	3.976	4.122813	0.061190	3.133	3.248277	0.048210
81	374500	37.45	1.302	4.096	4.249795	0.055347	3.976	4.124801	0.053719	3.133	3.249843	0.042324
80	379500	37.95	1.169	4.096	4.251843	0.049717	3.976	4.126789	0.048255	3.133	3.251410	0.038019
79	384500	38.45	1.146	4.096	4.253892	0.048735	3.976	4.128777	0.047301	3.133	3.252976	0.037268
<79	402000	40.2	12.166	4.096	4.261060	0.518405	3.976	4.135735	0.503158	3.133	3.258458	0.396428
TOTAL						4.190975			4.053113			3.190265
Reg. year DHB	Acc. dr. length	Acc.dr. (10000)	Traffic- work (%)	V=30			V=60			V=80		
93	24000	2.4	12.087	4.699	4.710072	0.569307	3.012	3.019277	0.364941	3.012	3.019277	0.364941
92	72000	7.2	12.087	4.819	4.853976	0.586701	3.012	3.033735	0.366688	3.012	3.033735	0.366688
91	120000	12	3.528	4.819	4.877108	0.172043	3.012	3.048193	0.107527	3.012	3.048193	0.107527
90	168000	16.8	8.351	4.819	4.900241	0.409218	3.012	3.062651	0.255761	3.012	3.062651	0.255761
89	216000	21.6	6.031	4.819	4.923373	0.296920	3.012	3.077108	0.185575	3.012	3.077108	0.185575
88	261800	26.18	8.324	4.819	4.945446	0.411636	3.012	3.090904	0.257272	3.012	3.090904	0.257272
87	303200	30.32	9.750	4.819	4.965398	0.484123	3.012	3.103373	0.302577	3.012	3.103373	0.302577
86	340200	34.02	8.818	4.819	4.983229	0.439401	3.012	3.114518	0.274626	3.012	3.114518	0.274626
85	372800	37.28	6.976	4.819	4.998940	0.348737	3.012	3.124337	0.217961	3.012	3.124337	0.217961
84	401000	40.1	5.481	4.819	5.012530	0.274730	3.012	3.132831	0.171707	3.012	3.132831	0.171707
83	424800	42.48	1.301	4.819	5.024000	0.065356	3.012	3.140000	0.040847	3.012	3.140000	0.040847
82	443200	44.32	1.484	4.819	5.032867	0.074696	3.012	3.145542	0.046685	3.012	3.145542	0.046685
81	457200	45.72	1.302	4.819	5.039614	0.065633	3.012	3.149759	0.041021	3.012	3.149759	0.041021
80	468800	46.88	1.169	4.819	5.045205	0.058994	3.012	3.153253	0.036871	3.012	3.153253	0.036871
79	478000	47.8	1.146	4.819	5.049639	0.057851	3.012	3.156024	0.036157	3.012	3.156024	0.036157
<79	497000	49.7	12.166	4.819	5.058795	0.615459	3.012	3.161747	0.384662	3.012	3.161747	0.384662
TOTAL						4.930805			3.090877			3.090877

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Summary					
BL1			DL1		DL2
10	1.740000		10	1.0900000	10 1.42000000
30	1.131184		30	0.7109105	30 0.92363848
60	0.667589		60	0.5077932	60 0.65974177
80	0.667589		80	0.5077932	80 0.65974177
DL3			DHLL		DHLM
10	1.640000		10		10
30	1.065737		30	2.6694287	30 4.05311259
60	0.761241		60	2.1814269	60 3.43679278
80	0.761241		80	2.0740078	80 3.08159903
DHLH			DHB		
10			10		
30	4.190975		30	4.9308050	
60	4.053113		60	3.0908766	
80	3.190265				

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Reg. year	Acc. dr. length	Trafficwork (%)			V=30			V=60			V=80				
		NU	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	
BL1															
98	9106	0.9106	8.0261509	1.000	1.0018212	0.0804077	0.600	0.60109272	0.0482446	0.600	0.60109272	0.0482446	0.600	0.60109272	0.0482446
97	9106	0.9106	8.026	1.000	1.001821	0.080408	0.600	0.601093	0.048245	0.600	0.601093	0.048245	0.600	0.601093	0.048245
96	9106	0.9106	7.038	1.000	1.001821	0.070513	0.600	0.601093	0.042308	0.600	0.601093	0.042308	0.600	0.601093	0.042308
95	9106	0.9106	5.102	1.000	1.001821	0.051108	0.600	0.601093	0.030665	0.600	0.601093	0.030665	0.600	0.601093	0.030665
94	9106	0.9106	4.791	1.000	1.001821	0.047993	0.600	0.601093	0.028796	0.600	0.601093	0.028796	0.600	0.601093	0.028796
93	9106	0.9106	4.585	1.000	1.001821	0.045937	0.600	0.601093	0.027562	0.600	0.601093	0.027562	0.600	0.601093	0.027562
92	27317	2.7317	4.611	1.000	1.005463	0.046367	0.600	0.603278	0.027820	0.600	0.603278	0.027820	0.600	0.603278	0.027820
91	44407	4.4407	1.725	1.000	1.008881	0.017407	0.600	0.605329	0.010444	0.600	0.605329	0.010444	0.600	0.605329	0.010444
90	59627	5.9627	4.135	1.000	1.011925	0.041840	0.600	0.607155	0.025104	0.600	0.607155	0.025104	0.600	0.607155	0.025104
89	73655	7.3655	3.610	1.000	1.014731	0.036632	0.600	0.608839	0.021979	0.600	0.608839	0.021979	0.600	0.608839	0.021979
88	86951	8.6951	4.090	1.050	1.077390	0.044061	0.610	0.625912	0.025597	0.610	0.625912	0.025597	0.610	0.625912	0.025597
87	99993	9.9993	6.754	1.050	1.081498	0.073048	0.610	0.628299	0.042437	0.610	0.628299	0.042437	0.610	0.628299	0.042437
86	112624	11.2624	9.122	1.050	1.085477	0.099021	0.610	0.630610	0.057526	0.610	0.630610	0.057526	0.610	0.630610	0.057526
85	124841	12.4841	8.281	1.050	1.089325	0.090212	0.610	0.632846	0.052409	0.610	0.632846	0.052409	0.610	0.632846	0.052409
84	136983	13.6983	5.576	1.150	1.197259	0.066755	0.680	0.707945	0.039472	0.680	0.707945	0.039472	0.680	0.707945	0.039472
<84	148449	14.8449	14.527	1.160	1.211660	0.176016	0.680	0.710284	0.103182	0.680	0.710284	0.103182	0.680	0.710284	0.103182
TOTAL						1.067725			0.631791			0.631791			0.631791
DL1															
98	11837	1.1837	8.026	0.700	0.700829	0.056250	0.500	0.500592	0.040178	0.500	0.500592	0.040178	0.500	0.500592	0.040178
97	11837	1.1837	8.026	0.700	0.700829	0.056250	0.500	0.500592	0.040178	0.500	0.500592	0.040178	0.500	0.500592	0.040178
96	11837	1.1837	7.038	0.700	0.700829	0.049328	0.500	0.500592	0.035234	0.500	0.500592	0.035234	0.500	0.500592	0.035234
95	11837	1.1837	5.102	0.700	0.700829	0.035753	0.500	0.500592	0.025538	0.500	0.500592	0.025538	0.500	0.500592	0.025538
94	11837	1.1837	4.791	0.700	0.700829	0.033574	0.500	0.500592	0.023981	0.500	0.500592	0.023981	0.500	0.500592	0.023981
93	11837	1.1837	4.585	0.700	0.700829	0.032136	0.500	0.500592	0.022954	0.500	0.500592	0.022954	0.500	0.500592	0.022954
92	35511	3.5511	4.611	0.700	0.702486	0.032395	0.500	0.501776	0.023139	0.500	0.501776	0.023139	0.500	0.501776	0.023139
91	57729	5.7729	1.725	0.700	0.704041	0.012148	0.500	0.502886	0.008677	0.500	0.502886	0.008677	0.500	0.502886	0.008677
90	77514	7.7514	4.135	0.700	0.705426	0.029167	0.500	0.503876	0.020834	0.500	0.503876	0.020834	0.500	0.503876	0.020834
89	95751	9.5751	3.610	0.700	0.706703	0.025512	0.500	0.504788	0.018223	0.500	0.504788	0.018223	0.500	0.504788	0.018223
88	113063	11.3063	4.090	0.700	0.707914	0.028951	0.500	0.505653	0.020679	0.500	0.505653	0.020679	0.500	0.505653	0.020679
87	129990	12.9990	6.754	0.700	0.709099	0.047895	0.500	0.506500	0.034211	0.500	0.506500	0.034211	0.500	0.506500	0.034211
86	146411	14.6411	9.122	0.700	0.710249	0.064791	0.500	0.507321	0.046279	0.500	0.507321	0.046279	0.500	0.507321	0.046279
85	162239	16.2239	8.281	0.700	0.711357	0.058911	0.500	0.508112	0.042079	0.500	0.508112	0.042079	0.500	0.508112	0.042079
84	178078	17.8078	5.576	0.700	0.712465	0.039724	0.500	0.508904	0.028375	0.500	0.508904	0.028375	0.500	0.508904	0.028375
<84	192983	19.2983	14.527	0.700	0.713509	0.103650	0.500	0.509649	0.074036	0.500	0.509649	0.074036	0.500	0.509649	0.074036
TOTAL						0.706433			0.504595			0.504595			0.504595

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Reg. year	Acc. dr. length	V=30			V=60			V=80					
		Trafficwork (%)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	q(basis)		
DL2													
98	11382	8.026	0.910	0.911036	0.073121	0.650	0.650	0.650740	0.052229	0.650	0.650740	0.052229	
97	34146	8.026	0.910	0.913107	0.073287	0.650	0.650	0.652219	0.052348	0.650	0.652219	0.052348	
96	55509	7.038	0.910	0.915051	0.064406	0.650	0.650	0.653608	0.046004	0.650	0.653608	0.046004	
95	74533	5.102	0.910	0.916783	0.046770	0.650	0.650	0.654845	0.033407	0.650	0.654845	0.033407	
94	92068	4.791	0.910	0.918378	0.043996	0.650	0.650	0.655984	0.031425	0.650	0.655984	0.031425	
93	108688	4.585	0.910	0.919891	0.042180	0.650	0.650	0.657065	0.030129	0.650	0.657065	0.030129	
92	124991	4.611	0.910	0.921374	0.042489	0.650	0.650	0.658124	0.030349	0.650	0.658124	0.030349	
91	140780	1.725	0.910	0.922811	0.015922	0.650	0.650	0.659151	0.011373	0.650	0.659151	0.011373	
90	156051	4.135	0.910	0.924201	0.038213	0.650	0.650	0.660143	0.027295	0.650	0.660143	0.027295	
89	171229	3.610	0.910	0.925582	0.033414	0.650	0.650	0.661130	0.023867	0.650	0.661130	0.023867	
88	185561	4.090	0.910	0.926886	0.037906	0.650	0.650	0.662061	0.027076	0.650	0.662061	0.027076	
87	199036	6.754	0.910	0.928112	0.062688	0.650	0.650	0.662937	0.044777	0.650	0.662937	0.044777	
86	211826	9.122	0.910	0.929276	0.094772	0.650	0.650	0.663769	0.060551	0.650	0.663769	0.060551	
85	223775	8.281	0.910	0.930364	0.077048	0.650	0.650	0.664545	0.055034	0.650	0.664545	0.055034	
84	235471	5.576	0.910	0.931428	0.051933	0.650	0.650	0.665306	0.037095	0.650	0.665306	0.037095	
<84	270300	27.03	0.910	0.934597	0.135768	0.650	0.650	0.667570	0.096977	0.650	0.667570	0.096977	
TOTAL		14.527	0.910	0.923911	0.923911	0.650	0.650	0.659936	0.659936	0.650	0.659936	0.659936	
DL3													
98	11382	8.026	1.050	1.051195	0.084371	0.750	0.750	0.750854	0.060265	0.750	0.750854	0.060265	
97	34146	8.026	1.050	1.053585	0.084562	0.750	0.750	0.752561	0.060402	0.750	0.752561	0.060402	
96	55509	7.038	1.050	1.055828	0.074314	0.750	0.750	0.754163	0.053082	0.750	0.754163	0.053082	
95	74533	5.102	1.050	1.057826	0.053966	0.750	0.750	0.755590	0.038547	0.750	0.755590	0.038547	
94	92068	4.791	1.050	1.059667	0.050764	0.750	0.750	0.756905	0.036260	0.750	0.756905	0.036260	
93	108688	4.585	1.050	1.061412	0.048670	0.750	0.750	0.758152	0.034764	0.750	0.758152	0.034764	
92	124991	4.611	1.050	1.063124	0.049025	0.750	0.750	0.759374	0.035018	0.750	0.759374	0.035018	
91	140780	1.725	1.050	1.064782	0.018372	0.750	0.750	0.760559	0.013123	0.750	0.760559	0.013123	
90	156051	4.135	1.050	1.066385	0.044091	0.750	0.750	0.761704	0.031494	0.750	0.761704	0.031494	
89	171229	3.610	1.050	1.067979	0.038554	0.750	0.750	0.762842	0.027539	0.750	0.762842	0.027539	
88	185561	4.090	1.050	1.069484	0.043737	0.750	0.750	0.763917	0.031241	0.750	0.763917	0.031241	
87	199036	6.754	1.050	1.070899	0.072332	0.750	0.750	0.764928	0.051666	0.750	0.764928	0.051666	
86	211826	9.122	1.050	1.072242	0.097813	0.750	0.750	0.765987	0.069867	0.750	0.765987	0.069867	
85	223775	8.281	1.050	1.073496	0.088901	0.750	0.750	0.766783	0.063501	0.750	0.766783	0.063501	
84	235471	5.576	1.050	1.074724	0.059923	0.750	0.750	0.767660	0.042802	0.750	0.767660	0.042802	
<84	270300	27.03	1.050	1.078382	0.156655	0.750	0.750	0.770273	0.11896	0.750	0.770273	0.11896	
TOTAL		14.527	1.050	1.078382	1.066051	0.750	0.750	0.761465	0.761465	0.750	0.761465	0.761465	

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Reg. year	Acc. dr. length	Trafficwork		V=30		V=60		V=80	
		(%)	(%)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)
DHLL									
98	12800	1.28	13.620	2.530	2.533359	0.345051	2.048	2.050814	0.279327
97	38400	3.84	13.620	2.530	2.539836	0.345933	2.048	2.056058	0.280041
96	64000	6.4	13.620	2.530	2.546313	0.346815	2.048	2.061301	0.280755
95	89600	8.96	10.896	2.530	2.552790	0.278158	2.048	2.066545	0.225175
94	113375	11.3375	9.352	2.530	2.558806	0.239310	2.048	2.071414	0.193727
93	133500	13.35	7.786	2.530	2.563898	0.199631	2.048	2.075536	0.161606
92	149975	14.9975	6.242	2.651	2.690355	0.167943	2.169	2.201199	0.137408
91	162775	16.2775	1.365	2.651	2.693748	0.036763	2.169	2.203975	0.030078
90	173725	17.3725	3.231	2.651	2.696650	0.087124	2.169	2.206350	0.071283
89	184675	18.4675	2.718	2.651	2.699552	0.073383	2.169	2.208725	0.060041
88	192650	19.265	1.078	2.651	2.701666	0.029126	2.169	2.210454	0.023831
87	197650	19.765	1.575	2.651	2.702992	0.042576	2.169	2.211539	0.034835
86	202650	20.265	1.902	2.651	2.704317	0.051427	2.169	2.212623	0.042076
85	207650	20.765	1.505	2.651	2.705642	0.040707	2.169	2.213707	0.033306
84	212650	21.265	1.182	2.651	2.706967	0.031997	2.169	2.214792	0.026180
<84	230150	23.015	10.307	2.651	2.711606	0.279473	2.169	2.218587	0.228659
TOTAL						2.595416			2.108328
DHLM									
98	24350	2.435	13.620	3.855	3.864810	0.526398	3.253	3.260933	0.444148
97	73050	7.305	13.620	3.855	3.883586	0.528955	3.253	3.276775	0.446306
96	12175	1.2175	13.620	3.855	3.860116	0.525759	3.253	3.256973	0.443609
95	170450	17.045	10.896	3.855	3.921137	0.427256	3.253	3.308460	0.360497
94	215700	21.57	9.352	3.855	3.938583	0.368352	3.253	3.323180	0.310797
93	254000	25.4	7.786	3.855	3.953349	0.307816	3.253	3.335639	0.259720
92	285350	28.535	6.242	3.976	4.089356	0.255274	3.373	3.469757	0.216596
91	309750	30.975	1.365	3.976	4.099057	0.055941	3.373	3.477988	0.047465
90	330650	33.065	3.231	3.976	4.107367	0.132701	3.373	3.485039	0.112595
89	351550	35.155	2.718	3.976	4.115677	0.111878	3.373	3.492089	0.094927
88	364500	36.45	1.078	3.976	4.120825	0.044426	3.373	3.496458	0.037695
87	369500	36.95	1.575	3.976	4.122813	0.064941	3.373	3.498145	0.055101
86	374500	37.45	1.902	3.976	4.124801	0.078439	3.373	3.499831	0.066555
85	379500	37.95	1.505	3.976	4.126789	0.062089	3.373	3.501518	0.052681
84	384500	38.45	1.182	3.976	4.128777	0.048804	3.373	3.503205	0.041409
<84	402000	40.2	10.307	3.976	4.135735	0.426251	3.373	3.509108	0.361668
TOTAL						3.965282			3.351770

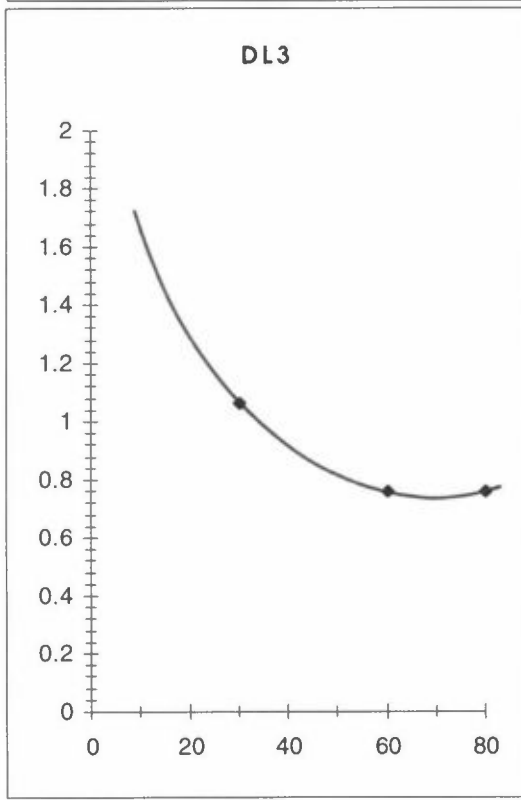
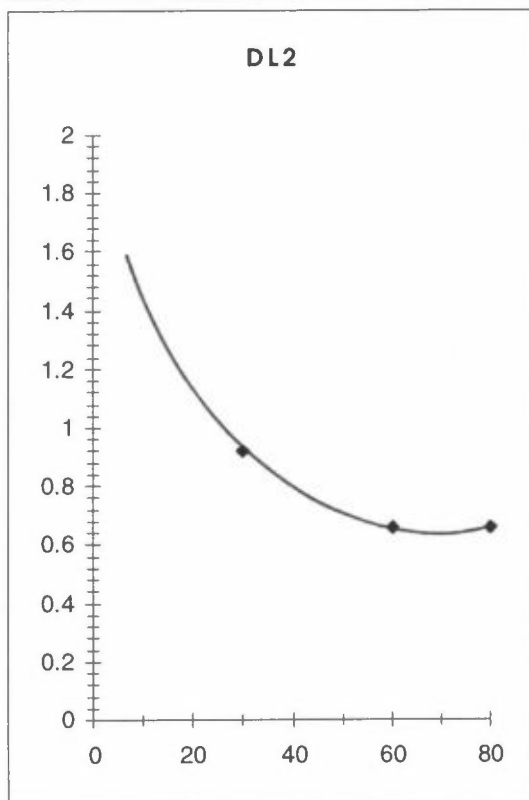
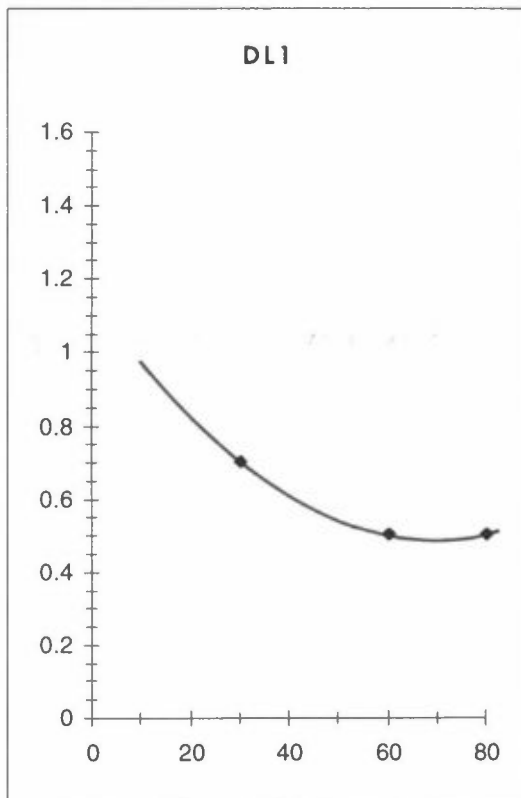
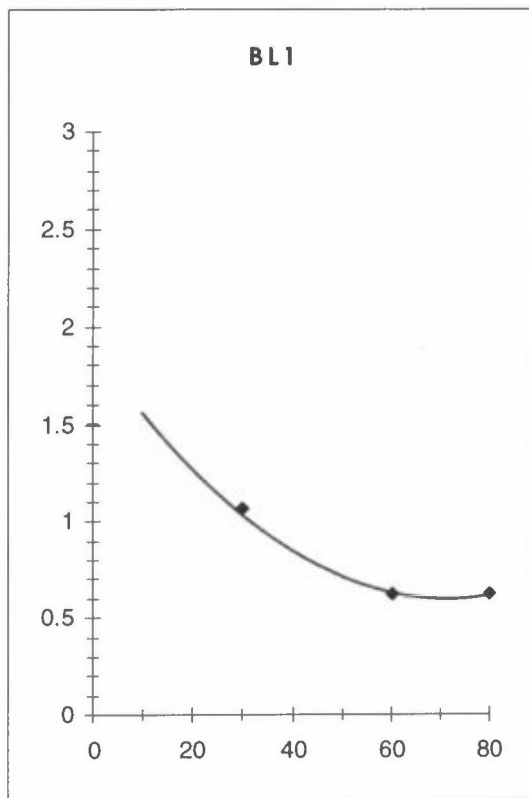
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Reg. year	Acc. dr. length	Trafficwork (%)			V=60			V=80		
		Acc. dr. length	q(aging)	q(weighted)	q(basis)	NU	q(aging)	q(weighted)	q(basis)	NU
DHLH										
98	24350	2.435	13.620	4.096	4.106360	0.559298	3.855	3.864810	0.526398	3.012
97	73050	7.305	13.620	4.096	4.126310	0.562015	3.855	3.883586	0.528955	3.012
96	12175	1.2175	13.620	4.096	4.101373	0.558619	3.855	3.860116	0.525759	3.012
95	170450	17.045	10.896	4.096	4.166208	0.453960	3.855	3.921137	0.427256	3.012
94	215700	21.57	9.352	4.096	4.184745	0.391374	3.855	3.938583	0.368352	3.012
93	254000	25.4	7.786	4.096	4.200434	0.327055	3.855	3.953349	0.307816	3.012
92	285350	28.535	6.242	4.096	4.213276	0.263009	3.976	4.089356	0.255274	3.133
91	309750	30.975	1.365	4.096	4.223271	0.057637	3.976	4.099057	0.055941	3.133
90	330650	33.065	3.231	4.096	4.231833	0.136722	3.976	4.107367	0.132701	3.133
89	351550	35.155	2.718	4.096	4.240394	0.115268	3.976	4.115677	0.111878	3.133
88	364500	36.45	1.078	4.096	4.245699	0.045772	3.976	4.120825	0.044426	3.133
87	369500	36.95	1.575	4.096	4.247747	0.066909	3.976	4.122813	0.064941	3.133
86	374500	37.45	1.902	4.096	4.249795	0.080816	3.976	4.124801	0.078439	3.133
85	379500	37.95	1.505	4.096	4.251843	0.063970	3.976	4.126789	0.062089	3.133
84	384500	38.45	1.182	4.096	4.253892	0.050283	3.976	4.128777	0.048804	3.133
<84	402000	40.2	10.307	4.096	4.261060	0.439168	3.976	4.135735	0.428251	3.133
TOTAL						4.171876			3.965282	
DHB										
98	24000	2.4	13.620	4.699	4.710072	0.641525	3.012	3.019277	0.411234	3.012
97	72000	7.2	13.620	4.699	4.732627	0.644597	3.012	3.033735	0.413203	3.012
96	120000	12	13.620	4.699	4.755181	0.647669	3.012	3.048193	0.415173	3.012
95	168000	16.8	10.896	4.699	4.777735	0.520593	3.012	3.062651	0.333713	3.012
94	216000	21.6	9.352	4.699	4.800289	0.448943	3.012	3.077108	0.287784	3.012
93	261800	26.18	7.786	4.699	4.821810	0.375437	3.012	3.090904	0.240664	3.012
92	303200	30.32	6.242	4.819	4.965398	0.309960	3.012	3.103373	0.193725	3.012
91	340200	34.02	1.365	4.819	4.983229	0.068008	3.012	3.114518	0.042505	3.012
90	372800	37.28	3.231	4.819	4.998940	0.161506	3.012	3.124337	0.100941	3.012
89	401000	40.1	2.718	4.819	5.012530	0.136257	3.012	3.132831	0.085161	3.012
88	424800	42.48	1.078	4.819	5.024000	0.054163	3.012	3.140000	0.033852	3.012
87	443200	44.32	1.575	4.819	5.032867	0.079276	3.012	3.145542	0.049547	3.012
86	457200	45.72	1.902	4.819	5.039614	0.095836	3.012	3.149759	0.059897	3.012
85	468800	46.88	1.505	4.819	5.045205	0.075907	3.012	3.153253	0.047442	3.012
84	478000	47.8	1.182	4.819	5.049639	0.059689	3.012	3.156024	0.037305	3.012
<84	497000	49.7	10.307	4.819	5.058795	0.521387	3.012	3.161747	0.325867	3.012
TOTAL						4.840752			3.078014	

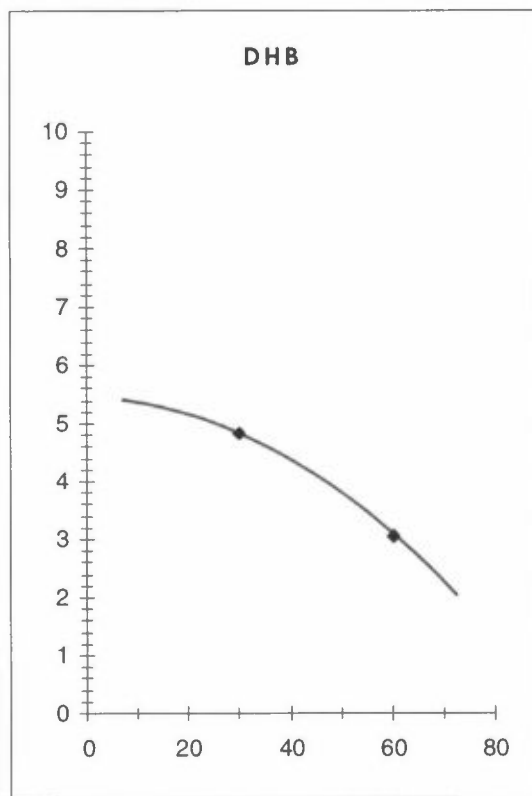
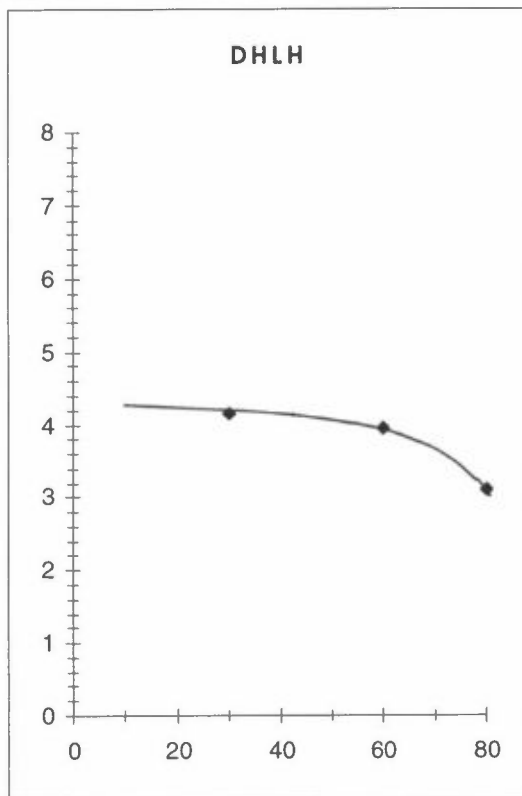
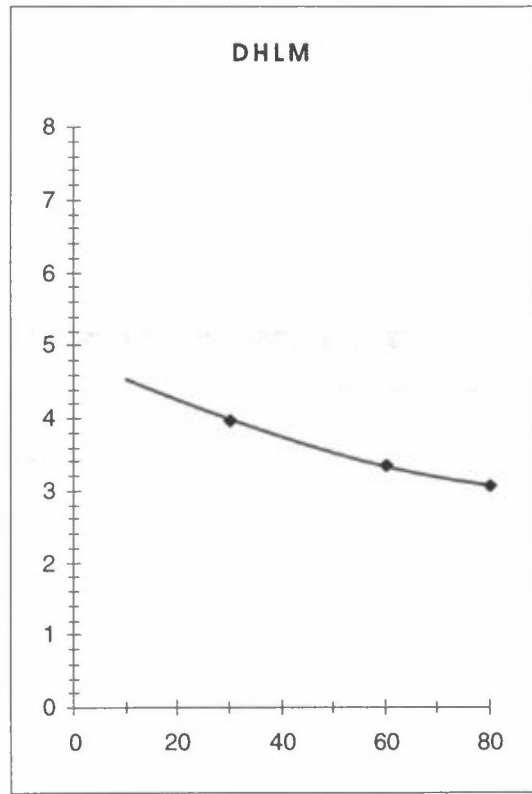
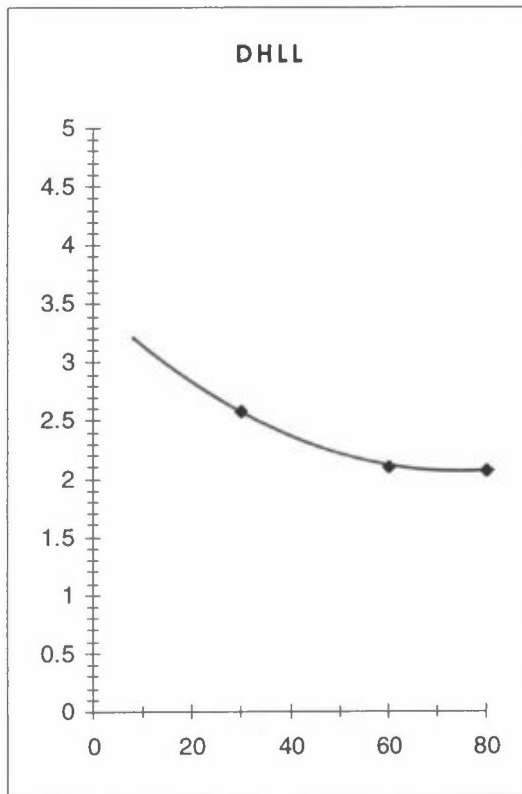
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Summary					
BL1		DL1		DL2	
10	1.120000	10	0.720000	10	1.420000
30	1.067725	30	0.706433	30	0.923911
60	0.631791	60	0.504595	60	0.659936
80	0.631791	80	0.504595	80	0.659936
DL3		DHLL		DHLM	
10	1.650000	10		10	
30	1.066051	30	2.595416	30	3.965282
60	0.761465	60	2.108328	60	3.351770
80	0.761465	80	2.070123	80	3.067556
DHLH		DHB			
10		10			
30	4.171876	30	4.840752		
60	3.965282	60	3.078014		
80	3.106366				

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Reg. year BL1	Acc. dr. length	Traficwork (%)			V=60			V=80		
		q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)
2003	9106	0.9106	1.000	1.001821	0.600	0.601093	0.056971	0.600	0.601093	0.056971
2002	9106	0.9106	1.000	1.001821	0.600	0.601093	0.056971	0.600	0.601093	0.056971
2001	9106	0.9106	1.000	1.001821	0.600	0.601093	0.056971	0.600	0.601093	0.056971
2000	9106	0.9106	1.000	1.001821	0.600	0.601093	0.056971	0.600	0.601093	0.056971
1999	9106	0.9106	1.000	1.001821	0.600	0.601093	0.056971	0.600	0.601093	0.056971
98	9106	0.9106	1.000	1.001821	0.600	0.601093	0.056971	0.600	0.601093	0.056971
97	9106	0.9106	1.000	1.001821	0.600	0.601093	0.056971	0.600	0.601093	0.056971
96	9106	0.9106	1.000	1.001821	0.600	0.601093	0.056971	0.600	0.601093	0.056971
95	9106	0.9106	1.000	1.001821	0.600	0.601093	0.056971	0.600	0.601093	0.056971
94	9106	0.9106	1.000	1.001821	0.600	0.601093	0.056971	0.600	0.601093	0.056971
93	9106	0.9106	1.000	1.001821	0.600	0.601093	0.056971	0.600	0.601093	0.056971
92	27317	2.7317	1.000	1.005463	0.600	0.603278	0.022324	0.600	0.603278	0.022324
91	44407	4.4407	1.366	1.008881	0.600	0.605329	0.008267	0.600	0.605329	0.008267
90	59627	5.9627	3.095	1.011925	0.600	0.607155	0.018793	0.600	0.607155	0.018793
89	73655	7.3655	2.773	1.014731	0.600	0.608839	0.016883	0.600	0.608839	0.016883
<89	86951	8.6951	22.212	1.118433	0.640	0.656695	0.145865	0.640	0.656695	0.145865
TOTAL				1.028625			0.613984			0.613984
Reg. year DL1	Acc. dr. length	Traficwork (%)			V=60			V=80		
		q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)
2003	11837	1.1837	0.700	0.700829	0.500	0.500592	0.047446	0.500	0.500592	0.047446
2002	11837	1.1837	0.700	0.700829	0.500	0.500592	0.047446	0.500	0.500592	0.047446
2001	11837	1.1837	0.700	0.700829	0.500	0.500592	0.047446	0.500	0.500592	0.047446
2000	11837	1.1837	0.700	0.700829	0.500	0.500592	0.047446	0.500	0.500592	0.047446
1999	11837	1.1837	0.700	0.700829	0.500	0.500592	0.047446	0.500	0.500592	0.047446
98	11837	1.1837	0.700	0.700829	0.500	0.500592	0.047446	0.500	0.500592	0.047446
97	11837	1.1837	0.700	0.700829	0.500	0.500592	0.047446	0.500	0.500592	0.047446
96	11837	1.1837	0.700	0.700829	0.500	0.500592	0.047446	0.500	0.500592	0.047446
95	11837	1.1837	0.700	0.700829	0.500	0.500592	0.047446	0.500	0.500592	0.047446
94	11837	1.1837	0.700	0.700829	0.500	0.500592	0.047446	0.500	0.500592	0.047446
93	11837	1.1837	0.700	0.700829	0.500	0.500592	0.047446	0.500	0.500592	0.047446
92	35511	3.5511	3.700	0.702486	0.500	0.501776	0.018568	0.500	0.501776	0.018568
91	57729	5.7729	1.366	0.704041	0.500	0.502886	0.006868	0.500	0.502886	0.006868
90	77514	7.7514	3.095	0.705426	0.500	0.503876	0.015596	0.500	0.503876	0.015596
89	95751	9.5751	2.773	0.706703	0.500	0.504788	0.013998	0.500	0.504788	0.013998
<89	113063	11.3063	22.212	0.707914	0.500	0.505653	0.112316	0.500	0.505653	0.112316
TOTAL				0.702813			0.502009			0.502009

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Reg. year DL2	Acc. dr. length	Trafficwork (%)			V=60			V=80		
		q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)
2003	11382	1.1382	9.478	0.911036	0.086347	0.650740	0.061677	0.650740	0.061677	0.650740
2002	34146	3.4146	9.478	0.913107	0.086543	0.652219	0.061817	0.652219	0.061817	0.652219
2001	55509	5.5509	6.926	0.915051	0.063379	0.653608	0.045271	0.653608	0.045271	0.653608
2000	74533	7.4533	6.275	0.916783	0.057531	0.654845	0.041094	0.654845	0.041094	0.654845
1999	92068	9.2068	5.893	0.918378	0.054118	0.655984	0.038656	0.655984	0.038656	0.655984
98	108688	10.8688	5.640	0.919891	0.051885	0.657065	0.037061	0.657065	0.037061	0.657065
97	124991	12.4991	5.672	0.921374	0.052265	0.658124	0.037332	0.658124	0.037332	0.658124
96	140780	14.0780	5.284	0.922811	0.048764	0.659151	0.034832	0.659151	0.034832	0.659151
95	156051	15.6051	4.250	0.924201	0.039278	0.660143	0.028056	0.660143	0.028056	0.660143
94	171229	17.1229	4.176	0.925582	0.038653	0.661130	0.027609	0.661130	0.027609	0.661130
93	185561	18.5561	3.780	0.926886	0.035038	0.662061	0.025027	0.662061	0.025027	0.662061
92	199036	19.9036	3.700	0.928112	0.034344	0.662937	0.024531	0.662937	0.024531	0.662937
91	211826	21.1826	1.366	0.929276	0.012691	0.663769	0.009065	0.663769	0.009065	0.663769
90	223775	22.3775	3.095	0.930364	0.028796	0.664545	0.020569	0.664545	0.020569	0.664545
89	235471	23.5471	2.773	0.931428	0.025829	0.665306	0.018449	0.665306	0.018449	0.665306
<89	270300	27.03	22.212	0.934597	0.207593	0.667570	0.148281	0.667570	0.148281	0.667570
TOTAL					0.923056		0.659326		0.659326	
Reg. year DL3	Acc. dr. length	Trafficwork (%)			V=60			V=80		
2003	11382	1.1382	9.478	1.051195	0.099631	0.750854	0.071165	0.750854	0.071165	0.750854
2002	34146	3.4146	9.478	1.053585	0.099858	0.752561	0.071327	0.752561	0.071327	0.752561
2001	55509	5.5509	6.926	1.055828	0.073130	0.754163	0.052236	0.754163	0.052236	0.754163
2000	74533	7.4533	6.275	1.057826	0.066382	0.755590	0.047416	0.755590	0.047416	0.755590
1999	92068	9.2068	5.893	1.059667	0.062444	0.756905	0.044603	0.756905	0.044603	0.756905
98	108688	10.8688	5.640	1.061412	0.059868	0.758152	0.042763	0.758152	0.042763	0.758152
97	124991	12.4991	5.672	1.063124	0.060305	0.759374	0.043075	0.759374	0.043075	0.759374
96	140780	14.0780	5.284	1.064782	0.056266	0.760559	0.040190	0.760559	0.040190	0.760559
95	156051	15.6051	4.250	1.066385	0.045321	0.761704	0.032372	0.761704	0.032372	0.761704
94	171229	17.1229	4.176	1.067979	0.044600	0.762842	0.031857	0.762842	0.031857	0.762842
93	185561	18.5561	3.780	1.069484	0.040429	0.763917	0.028878	0.763917	0.028878	0.763917
92	199036	19.9036	3.700	1.070899	0.039628	0.764928	0.028305	0.764928	0.028305	0.764928
91	211826	21.1826	1.366	1.072242	0.014644	0.765887	0.010460	0.765887	0.010460	0.765887
90	223775	22.3775	3.095	1.073496	0.033227	0.766783	0.023733	0.766783	0.023733	0.766783
89	235471	23.5471	2.773	1.074724	0.029802	0.767660	0.021287	0.767660	0.021287	0.767660
<89	270300	27.03	22.212	1.078382	0.239530	0.770273	0.171093	0.770273	0.171093	0.770273
TOTAL					1.065065		0.760760		0.760760	

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Reg.year DHLL	Acc. dr. length	Trafficwork (%)			V=60			V=80		
		1.28	3.84	6.4	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)
2003	12800	1.28	13.812	2.530	2.533359	0.349900	2.048	2.050814	0.283252	
2002	38400	3.84	13.812	2.530	2.539836	0.350794	2.048	2.056058	0.283976	
2001	64000	6.4	11.510	2.530	2.546313	0.293074	2.048	2.061301	0.237250	
2000	89600	8.96	11.510	2.530	2.552790	0.293819	2.048	2.066545	0.237854	
1999	113375	11.3375	9.879	2.530	2.558806	0.252784	2.048	2.071414	0.204635	
98	133500	13.35	8.225	2.530	2.563898	0.210871	2.048	2.075536	0.170705	
97	149975	14.9975	6.594	2.530	2.568066	0.169335	2.048	2.078911	0.137081	
96	162775	16.2775	4.939	2.530	2.571305	0.127010	2.048	2.081532	0.102817	
95	173725	17.3725	3.952	2.530	2.574075	0.101717	2.048	2.083775	0.082342	
94	184675	18.4675	3.952	2.530	2.576845	0.101827	2.048	2.086018	0.082431	
93	192650	19.265	0.945	2.530	2.578863	0.024379	2.048	2.087651	0.019736	
92	197650	19.765	0.945	2.651	2.702992	0.025553	2.169	2.211539	0.020907	
91	202650	20.265	0.276	2.651	2.704317	0.007461	2.169	2.212623	0.006105	
90	207650	20.765	0.653	2.651	2.705642	0.017672	2.169	2.213707	0.014459	
89	212650	21.265	0.550	2.651	2.706967	0.014876	2.169	2.214792	0.012171	
<89	230150	23.015	8.448	2.651	2.711606	0.229067	2.169	2.218587	0.187419	
TOTAL						2.570139			2.083140	
Reg.year DHLM	Acc. dr. length	Trafficwork (%)			V=60			V=80		
2003	24350	2.435	13.812	3.855	3.864810	0.533795	3.253	3.260933	0.450390	
2002	73050	7.305	13.812	3.855	3.883586	0.536389	3.253	3.276775	0.452578	
2001	12175	1.2175	11.510	3.855	3.860116	0.444289	3.253	3.256973	0.374869	
2000	170450	17.045	11.510	3.855	3.921137	0.451313	3.253	3.308460	0.380795	
1999	215700	21.57	9.879	3.855	3.938583	0.389092	3.253	3.323180	0.328297	
98	254000	25.4	8.225	3.855	3.953349	0.325148	3.253	3.335639	0.274343	
97	285350	28.535	6.594	3.855	3.965436	0.261476	3.253	3.345837	0.220620	
96	309750	30.975	4.939	3.855	3.974843	0.196337	3.253	3.353774	0.165660	
95	330650	33.065	3.952	3.855	3.982901	0.157388	3.253	3.360573	0.132796	
94	351550	35.155	3.952	3.855	3.990959	0.157707	3.253	3.367372	0.133065	
93	364500	36.45	0.945	3.855	3.995952	0.037776	3.253	3.371584	0.031874	
92	369500	36.95	0.945	3.976	4.122813	0.038975	3.373	3.498145	0.033070	
91	374500	37.45	0.276	3.976	4.124801	0.011380	3.373	3.499831	0.009656	
90	379500	37.95	0.653	3.976	4.126789	0.026954	3.373	3.501518	0.022870	
89	384500	38.45	0.550	3.976	4.128777	0.022690	3.373	3.503205	0.019252	
<89	402000	40.2	8.448	3.976	4.135735	0.349373	3.373	3.509108	0.296438	
TOTAL						3.940082			3.326572	

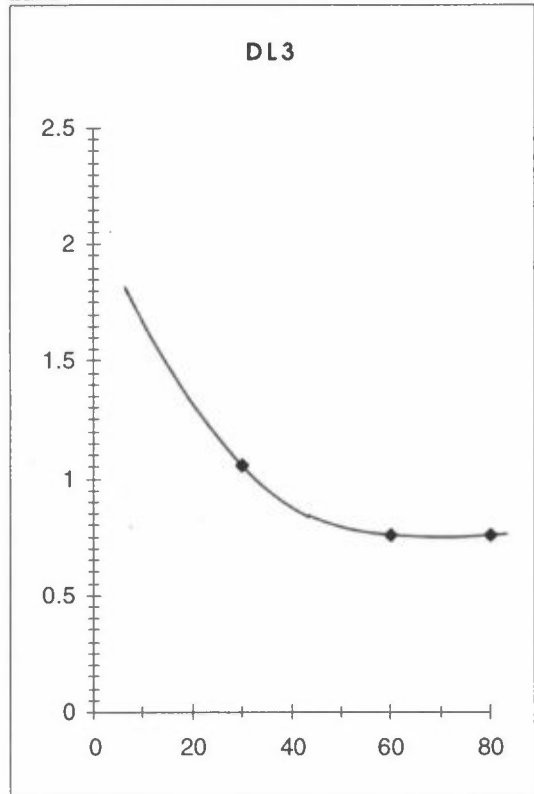
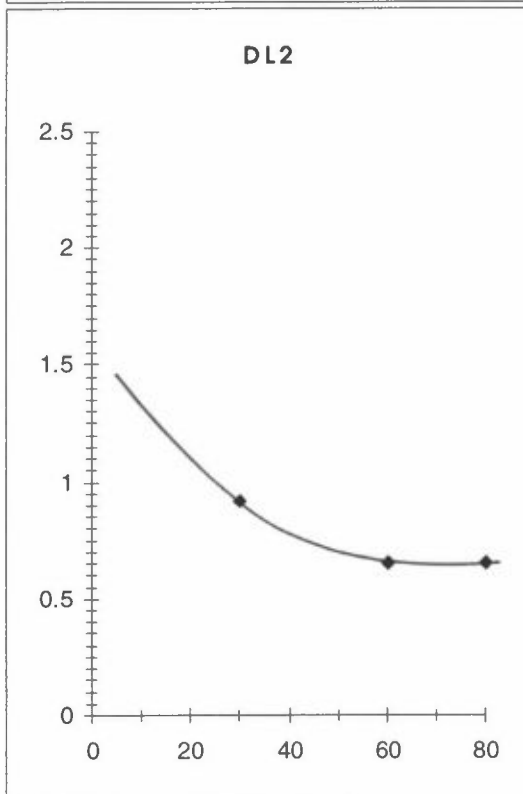
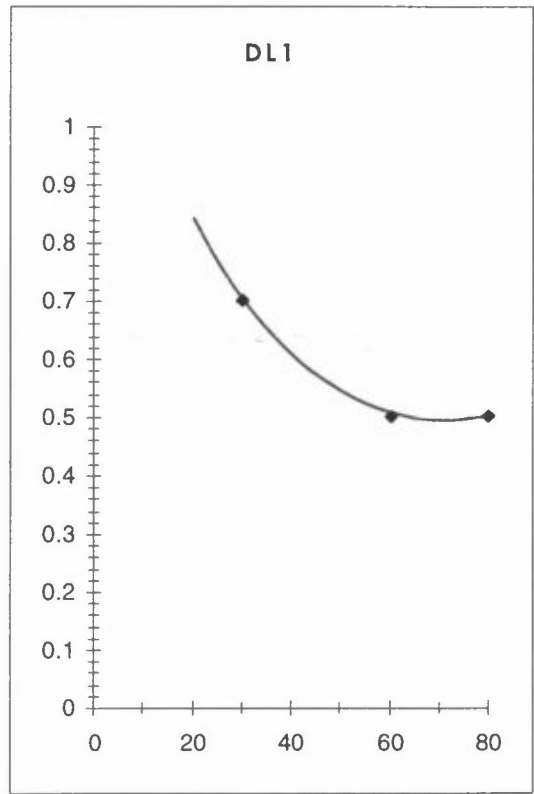
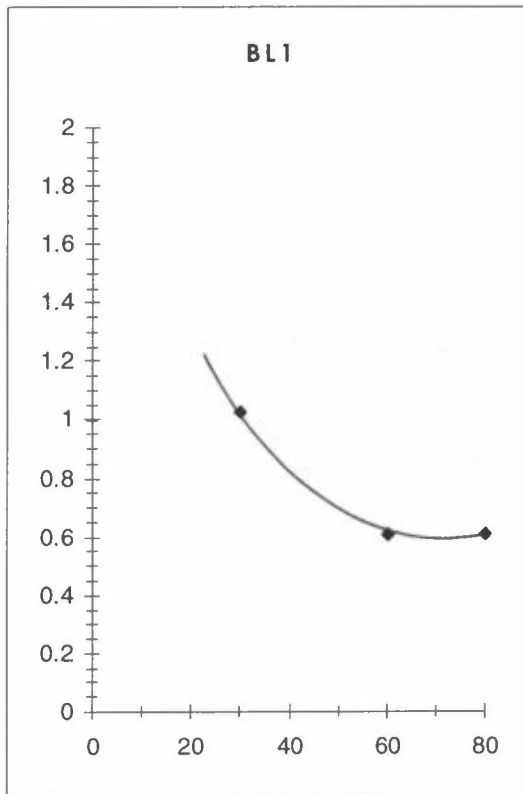
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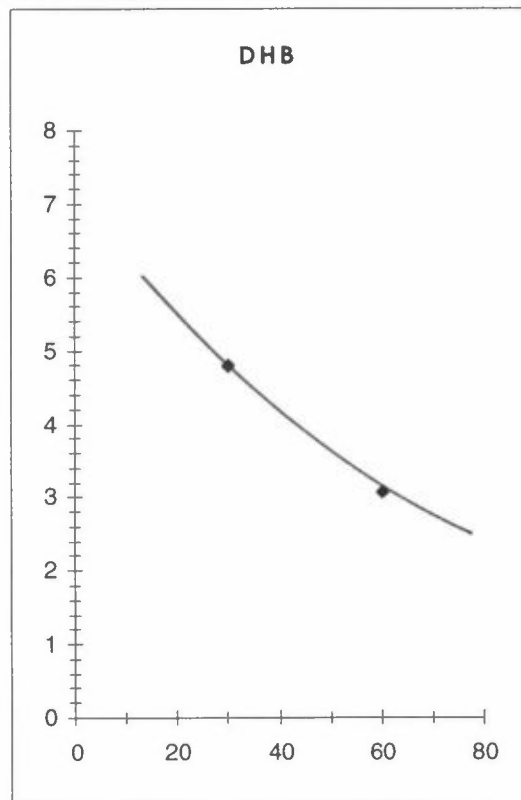
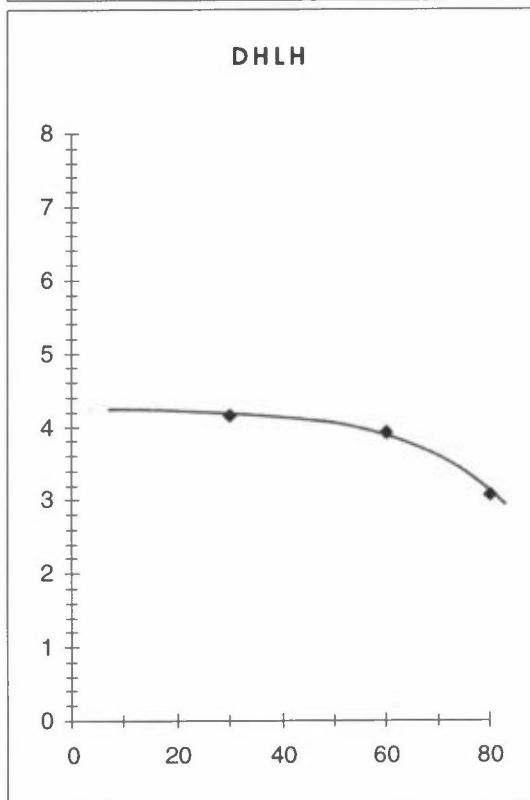
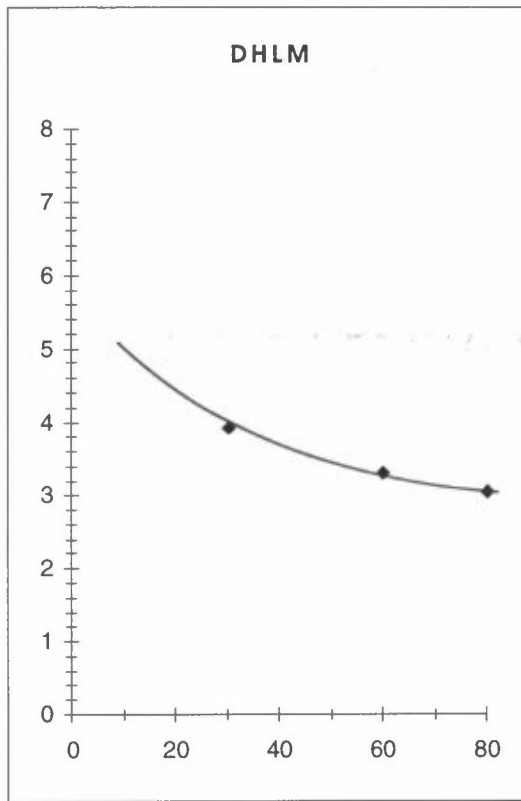
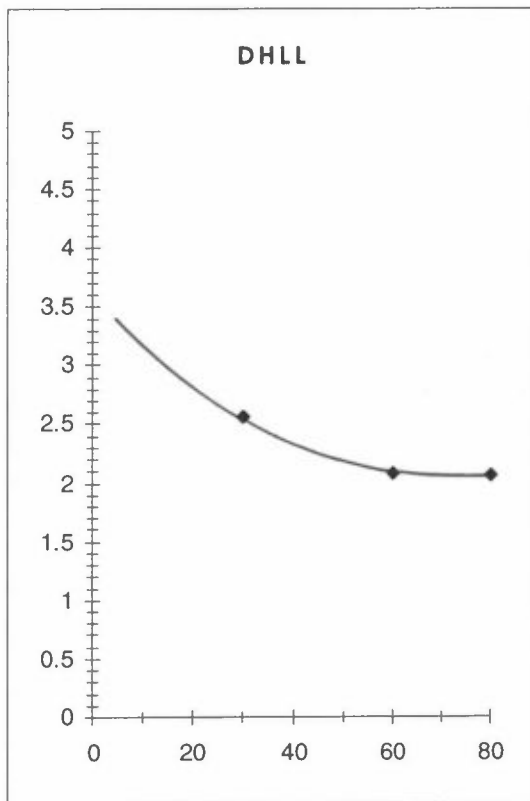
Reg. year	Acc. dr. length	Trafficwork (%)		V=30		V=60		V=80					
		Acc. dr. length	Trafficwork (%)	NU	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)
DHLH													
2003	24350	2.435	13.812	4.096	4.106360	4.106360	0.567158	3.855	3.864810	0.533795	3.012	3.019383	0.417028
2002	73050	7.305	13.812	4.096	4.126310	4.126310	0.569913	3.855	3.883586	0.536389	3.012	3.034051	0.419054
2001	12175	1.2175	11.510	4.096	4.101373	4.101373	0.472057	3.855	3.860116	0.444289	3.012	3.015715	0.347101
2000	170450	17.045	11.510	4.096	4.166208	4.166208	0.479520	3.855	3.921137	0.451313	3.012	3.063389	0.352588
1999	215700	21.57	9.879	4.096	4.184745	4.184745	0.413411	3.855	3.938583	0.389092	3.012	3.077018	0.303978
98	294000	25.4	8.225	4.096	4.200434	4.200434	0.345470	3.855	3.953349	0.325148	3.012	3.088554	0.254022
97	285350	28.535	6.594	4.096	4.213276	4.213276	0.277818	3.855	3.965436	0.261476	3.012	3.097997	0.204278
96	309750	30.975	4.939	4.096	4.232271	4.232271	0.208608	3.855	3.974843	0.196337	3.012	3.105346	0.153388
95	330650	33.065	3.952	4.096	4.231833	4.231833	0.167225	3.855	3.982901	0.157388	3.012	3.111642	0.122960
94	351550	35.155	3.952	4.096	4.240394	4.240394	0.167563	3.855	3.990959	0.157707	3.012	3.117937	0.123208
93	364500	36.45	0.945	4.096	4.245699	4.245699	0.040137	3.855	3.995952	0.037776	3.012	3.121837	0.029513
92	369500	36.95	0.945	4.096	4.247747	4.247747	0.040156	3.976	4.122813	0.038975	3.133	3.248277	0.030708
91	374500	37.45	0.276	4.096	4.249795	4.249795	0.011725	3.976	4.124801	0.011380	3.133	3.249843	0.008966
90	379500	37.95	0.653	4.096	4.251843	4.251843	0.027771	3.976	4.126789	0.026954	3.133	3.251410	0.021237
89	384500	38.45	0.550	4.096	4.253892	4.253892	0.023377	3.976	4.128777	0.022690	3.133	3.252976	0.017877
<89	402000	40.2	8.448	4.096	4.261060	4.261060	0.359960	3.976	4.135735	0.349373	3.133	3.258458	0.275263
TOTAL							4.171869			3.940082			3.081168
DHB													
2003	24000	2.4	13.812	4.699	4.710072	4.710072	0.650540	3.012	3.019277	0.417013	3.012	3.019277	0.417013
2002	72000	7.2	13.812	4.699	4.732627	4.732627	0.653655	3.012	3.033735	0.419010	3.012	3.033735	0.419010
2001	120000	12	11.510	4.699	4.755181	4.755181	0.547309	3.012	3.048193	0.350839	3.012	3.048193	0.350839
2000	168000	16.8	11.510	4.699	4.777735	4.777735	0.549905	3.012	3.062651	0.352503	3.012	3.062651	0.352503
1999	216000	21.6	9.879	4.699	4.800289	4.800289	0.474220	3.012	3.077108	0.303987	3.012	3.077108	0.303987
98	261800	26.18	8.225	4.699	4.821810	4.821810	0.396575	3.012	3.090904	0.254215	3.012	3.090904	0.254215
97	303200	30.32	6.594	4.699	4.841263	4.841263	0.319227	3.012	3.103373	0.204633	3.012	3.103373	0.204633
96	340200	34.02	4.939	4.699	4.858648	4.858648	0.239993	3.012	3.114518	0.153842	3.012	3.114518	0.153842
95	372800	37.28	3.952	4.699	4.873966	4.873966	0.192600	3.012	3.124337	0.123461	3.012	3.124337	0.123461
94	401000	40.1	3.952	4.699	4.887217	4.887217	0.193123	3.012	3.132831	0.123379	3.012	3.132831	0.123379
93	424800	42.48	0.945	4.699	4.898400	4.898400	0.046307	3.012	3.140000	0.029684	3.012	3.140000	0.029684
92	443200	44.32	0.945	4.819	5.032867	5.032867	0.047579	3.012	3.145542	0.029737	3.012	3.145542	0.029737
91	457200	45.72	0.276	4.819	5.039614	5.039614	0.013904	3.012	3.149759	0.008690	3.012	3.149759	0.008690
90	468800	46.88	0.653	4.819	5.045205	5.045205	0.032953	3.012	3.153253	0.020596	3.012	3.153253	0.020596
89	478000	47.8	0.550	4.819	5.049639	5.049639	0.027750	3.012	3.156024	0.017344	3.012	3.156024	0.017344
<89	497000	49.7	8.448	4.819	5.058795	5.058795	0.427350	3.012	3.161747	0.267094	3.012	3.161747	0.267094
TOTAL							4.812991			3.076444			3.076444

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Summary						
BL1			DL1		DL2	
10	0.610000		10	0.400000	10	1.420000
30	1.028625		30	0.702813	30	0.923056
60	0.613984		60	0.502009	60	0.659326
80	0.613984		80	0.502009	80	0.659326
DL3			DHLL		DHLM	
10	1.640000		10	0.400000	10	
30	1.065065		30	2.570139	30	3.940082
60	0.760760		60	2.083140	60	3.326572
80	0.760760		80	2.069748	80	3.067551
DHLH			DHB			
10			10			
30	4.171869		30	4.812991		
60	3.940082		60	3.076444		
80	3.081168					

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Reg. year	Acc. dr. length	Traficwork (%)				V=60				V=80				
		q(basis)	q(aging)	q(weighted)	NU	q(basis)	q(aging)	q(weighted)	NU	q(basis)	q(aging)	q(weighted)	NU	
2008	9106	0.9106	1.001821	0.090645	1.000	0.601093	0.054387	0.600	0.601093	0.600	0.054387	0.600	0.601093	0.054387
2007	9106	0.9106	1.001821	0.090645	1.000	0.601093	0.054387	0.600	0.601093	0.600	0.054387	0.600	0.601093	0.054387
2006	9106	0.9106	1.001821	0.079490	1.000	0.601093	0.047694	0.600	0.601093	0.600	0.047694	0.600	0.601093	0.047694
2005	9106	0.9106	1.001821	0.072019	1.000	0.601093	0.043211	0.600	0.601093	0.600	0.043211	0.600	0.601093	0.043211
2004	9106	0.9106	1.001821	0.067629	1.000	0.601093	0.040577	0.600	0.601093	0.600	0.040577	0.600	0.601093	0.040577
2003	9106	0.9106	1.001821	0.064732	1.000	0.601093	0.038839	0.600	0.601093	0.600	0.038839	0.600	0.601093	0.038839
2002	9106	0.9106	1.001821	0.065100	1.000	0.601093	0.039060	0.600	0.601093	0.600	0.039060	0.600	0.601093	0.039060
2001	9106	0.9106	1.001821	0.050538	1.000	0.601093	0.030323	0.600	0.601093	0.600	0.030323	0.600	0.601093	0.030323
2000	9106	0.9106	1.001821	0.050807	1.000	0.601093	0.030484	0.600	0.601093	0.600	0.030484	0.600	0.601093	0.030484
1999	9106	0.9106	1.001821	0.049924	1.000	0.601093	0.029954	0.600	0.601093	0.600	0.029954	0.600	0.601093	0.029954
98	9106	0.9106	1.001821	0.045191	1.000	0.601093	0.027115	0.600	0.601093	0.600	0.027115	0.600	0.601093	0.027115
97	9106	0.9106	1.001821	0.044237	1.000	0.601093	0.026542	0.600	0.601093	0.600	0.026542	0.600	0.601093	0.026542
96	9106	0.9106	1.001821	0.040649	1.000	0.601093	0.024390	0.600	0.601093	0.600	0.024390	0.600	0.601093	0.024390
95	9106	0.9106	1.001821	0.030920	1.000	0.601093	0.018552	0.600	0.601093	0.600	0.018552	0.600	0.601093	0.018552
94	9106	0.9106	1.001821	0.031176	1.000	0.601093	0.018705	0.600	0.601093	0.600	0.018705	0.600	0.601093	0.018705
<94	9106	0.9106	1.011839	0.129401	1.010	0.621129	0.079434	0.620	0.621129	0.620	0.079434	0.620	0.621129	0.079434
TOTAL				1.003102										0.603655

Reg. year	Acc. dr. length	Traficwork (%)				V=60				V=80				
		q(basis)	q(aging)	q(weighted)	NU	q(basis)	q(aging)	q(weighted)	NU	q(basis)	q(aging)	q(weighted)	NU	
2008	11837	1.1837	0.700829	0.063411	0.700	0.500592	0.045293	0.500	0.500592	0.500	0.045293	0.500	0.500592	0.045293
2007	11837	1.1837	0.700829	0.063411	0.700	0.500592	0.045293	0.500	0.500592	0.500	0.045293	0.500	0.500592	0.045293
2006	11837	1.1837	0.700829	0.055608	0.700	0.500592	0.039720	0.500	0.500592	0.500	0.039720	0.500	0.500592	0.039720
2005	11837	1.1837	0.700829	0.050381	0.700	0.500592	0.035987	0.500	0.500592	0.500	0.035987	0.500	0.500592	0.035987
2004	11837	1.1837	0.700829	0.047310	0.700	0.500592	0.033793	0.500	0.500592	0.500	0.033793	0.500	0.500592	0.033793
2003	11837	1.1837	0.700829	0.045283	0.700	0.500592	0.032345	0.500	0.500592	0.500	0.032345	0.500	0.500592	0.032345
2002	11837	1.1837	0.700829	0.045541	0.700	0.500592	0.032529	0.500	0.500592	0.500	0.032529	0.500	0.500592	0.032529
2001	11837	1.1837	0.700829	0.035543	0.700	0.500592	0.025253	0.500	0.500592	0.500	0.025253	0.500	0.500592	0.025253
2000	11837	1.1837	0.700829	0.035543	0.700	0.500592	0.025388	0.500	0.500592	0.500	0.025388	0.500	0.500592	0.025388
1999	11837	1.1837	0.700829	0.034925	0.700	0.500592	0.024946	0.500	0.500592	0.500	0.024946	0.500	0.500592	0.024946
98	11837	1.1837	0.700829	0.031614	0.700	0.500592	0.022581	0.500	0.500592	0.500	0.022581	0.500	0.500592	0.022581
97	35511	3.5511	0.702486	0.031020	0.700	0.501776	0.022157	0.500	0.501776	0.500	0.022157	0.500	0.501776	0.022157
96	57729	5.7729	0.704041	0.028567	0.700	0.502886	0.020405	0.500	0.502886	0.500	0.020405	0.500	0.502886	0.020405
95	77514	7.7514	0.705426	0.021772	0.700	0.503876	0.015552	0.500	0.503876	0.500	0.015552	0.500	0.503876	0.015552
94	95751	9.5751	0.706703	0.021992	0.700	0.504788	0.015708	0.500	0.504788	0.500	0.015708	0.500	0.504788	0.015708
<94	113063	11.3063	0.707914	0.090533	0.700	0.505653	0.064666	0.500	0.505653	0.500	0.064666	0.500	0.505653	0.064666
TOTAL				0.702263										0.501616

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Reg.year	Acc. dr. length	Trafficwork (%)			V=30			V=60			V=80		
		DL2	Acc. dr. length	Trafficwork (%)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)
2008	11382	1.1382	9.048	0.910	0.911036	0.082430	0.650	0.650740	0.058879	0.650	0.650740	0.058879	
2007	34146	3.4146	9.048	0.910	0.913107	0.082618	0.650	0.652219	0.059013	0.650	0.652219	0.059013	
2006	55509	5.5509	7.935	0.910	0.915051	0.072605	0.650	0.653608	0.051861	0.650	0.653608	0.051861	
2005	74533	7.4533	7.189	0.910	0.916783	0.065906	0.650	0.654845	0.047075	0.650	0.654845	0.047075	
2004	92068	9.2068	6.751	0.910	0.918378	0.061996	0.650	0.655984	0.044283	0.650	0.655984	0.044283	
2003	108688	10.8688	6.461	0.910	0.919891	0.059438	0.650	0.657065	0.042456	0.650	0.657065	0.042456	
2002	124991	12.4991	6.498	0.910	0.921374	0.059873	0.650	0.658124	0.042766	0.650	0.658124	0.042766	
2001	140780	14.0780	5.045	0.910	0.922811	0.048552	0.650	0.659151	0.033251	0.650	0.659151	0.033251	
2000	156051	15.6051	5.072	0.910	0.924201	0.046871	0.650	0.660143	0.033479	0.650	0.660143	0.033479	
1999	171229	17.1229	4.983	0.910	0.925582	0.046125	0.650	0.661130	0.032946	0.650	0.661130	0.032946	
98	185561	18.5561	4.511	0.910	0.926886	0.041811	0.650	0.662061	0.029865	0.650	0.662061	0.029865	
97	199036	19.9036	4.416	0.910	0.928112	0.040982	0.650	0.662937	0.029273	0.650	0.662937	0.029273	
96	211826	21.1826	4.058	0.910	0.929276	0.037706	0.650	0.663769	0.026933	0.650	0.663769	0.026933	
95	223775	22.3775	3.086	0.910	0.930364	0.028715	0.650	0.664545	0.020510	0.650	0.664545	0.020510	
94	235471	23.5471	3.112	0.910	0.931428	0.028985	0.650	0.665306	0.020704	0.650	0.665306	0.020704	
<94	270300	27.03	12.789	0.910	0.934597	0.119523	0.650	0.667570	0.085373	0.650	0.667570	0.085373	
TOTAL						0.922135			0.658668			0.658668	

Reg.year	Acc. dr. length	Trafficwork (%)			V=30			V=60			V=80		
		DL3	Acc. dr. length	Trafficwork (%)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)
2008	11382	1.1382	9.048	1.050	1.051195	0.095112	0.750	0.750854	0.067937	0.750	0.750854	0.067937	
2007	34146	3.4146	9.048	1.050	1.053585	0.095328	0.750	0.752561	0.068092	0.750	0.752561	0.068092	
2006	55509	5.5509	7.935	1.050	1.055828	0.083775	0.750	0.754163	0.059839	0.750	0.754163	0.059839	
2005	74533	7.4533	7.189	1.050	1.057826	0.076045	0.750	0.755590	0.054318	0.750	0.755590	0.054318	
2004	92068	9.2068	6.751	1.050	1.059667	0.071534	0.750	0.756905	0.051096	0.750	0.756905	0.051096	
2003	108688	10.8688	6.461	1.050	1.061412	0.068582	0.750	0.758152	0.048987	0.750	0.758152	0.048987	
2002	124991	12.4991	6.498	1.050	1.063124	0.069084	0.750	0.759374	0.049346	0.750	0.759374	0.049346	
2001	140780	14.0780	5.045	1.050	1.064782	0.053714	0.750	0.760559	0.038367	0.750	0.760559	0.038367	
2000	156051	15.6051	5.072	1.050	1.066385	0.054082	0.750	0.761704	0.038630	0.750	0.761704	0.038630	
1999	171229	17.1229	4.983	1.050	1.067979	0.053221	0.750	0.762842	0.038015	0.750	0.762842	0.038015	
98	185561	18.5561	4.511	1.050	1.069484	0.048243	0.750	0.763917	0.034460	0.750	0.763917	0.034460	
97	199036	19.9036	4.416	1.050	1.070899	0.047287	0.750	0.764928	0.033777	0.750	0.764928	0.033777	
96	211826	21.1826	4.058	1.050	1.072242	0.043507	0.750	0.765887	0.031076	0.750	0.765887	0.031076	
95	223775	22.3775	3.086	1.050	1.073496	0.033132	0.750	0.766783	0.023666	0.750	0.766783	0.023666	
94	235471	23.5471	3.112	1.050	1.074724	0.033444	0.750	0.767660	0.023889	0.750	0.767660	0.023889	
<94	270300	27.03	12.789	1.050	1.078382	0.137911	0.750	0.770273	0.098508	0.750	0.770273	0.098508	
TOTAL						1.064001			0.760001			0.760001	

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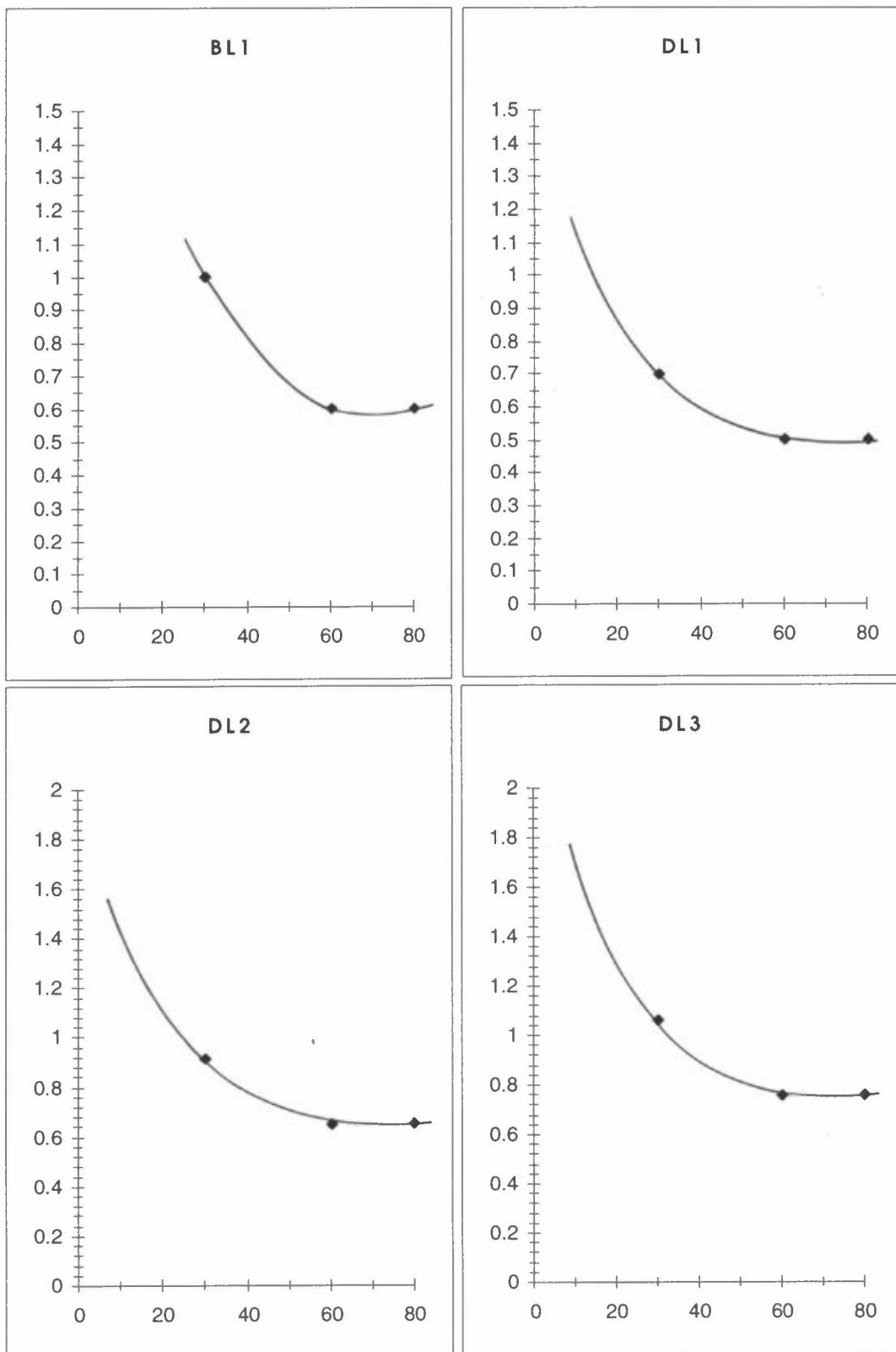
Reg.year DHLL	Acc. dr. length	Trafficwork (%)		V=30		V=60		V=80							
				NU	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	NU	q(basis)	q(aging)	q(weighted)	
2008	12800	1.28	12.572	2.530	2.533359	2.533359	0.318482	2.048	2.050814	0.257819	2.048	2.050814	0.257819		
2007	38400	3.84	12.572	2.530	2.539836	2.539836	0.319296	2.048	2.056058	0.258478	2.048	2.056058	0.258478		
2006	64000	6.4	12.572	2.530	2.546313	2.546313	0.320110	2.048	2.061301	0.259137	2.048	2.061301	0.259137		
2005	89600	8.96	12.572	2.530	2.552790	2.552790	0.320925	2.048	2.066545	0.259796	2.048	2.066545	0.259796		
2004	113375	11.3375	10.790	2.530	2.558806	2.558806	0.276104	2.048	2.071414	0.223513	2.048	2.071414	0.223513		
2003	133500	13.35	8.983	2.530	2.563898	2.563898	0.230324	2.048	2.075536	0.186453	2.048	2.075536	0.186453		
2002	149975	14.9975	7.202	2.530	2.568066	2.568066	0.184956	2.048	2.078911	0.149727	2.048	2.078911	0.149727		
2001	162775	16.2775	4.496	2.530	2.571305	2.571305	0.115605	2.048	2.081532	0.093585	2.048	2.081532	0.093585		
2000	173725	17.3725	4.496	2.530	2.574075	2.574075	0.115730	2.048	2.083775	0.093686	2.048	2.083775	0.093686		
1999	184675	18.4675	4.496	2.530	2.576845	2.576845	0.115854	2.048	2.086018	0.093787	2.048	2.086018	0.093787		
98	192650	19.265	1.076	2.530	2.578863	2.578863	0.027738	2.048	2.087651	0.022455	2.048	2.087651	0.022455		
97	197650	19.765	1.076	2.530	2.580128	2.580128	0.027752	2.048	2.088675	0.022466	2.048	2.088675	0.022466		
96	202650	20.265	1.076	2.530	2.581393	2.581393	0.027765	2.048	2.089699	0.022477	2.048	2.089699	0.022477		
95	207650	20.765	0.860	2.530	2.582658	2.582658	0.022223	2.048	2.090723	0.017990	2.048	2.090723	0.017990		
94	212650	21.265	0.860	2.530	2.583923	2.583923	0.022234	2.048	2.091748	0.017999	2.048	2.091748	0.017999		
<94	230150	23.015	4.302	2.633	2.693998	2.693998	0.115906	2.151	2.200979	0.094694	2.048	2.095332	0.090149		
TOTAL							2.561005			2.074060			2.069515		
Reg.year DHLM	Acc. dr. length	Trafficwork (%)		V=30		V=60		V=80							
				NU	q(basis)	q(aging)	q(weighted)	NU	q(basis)	q(aging)	q(weighted)	NU	q(basis)	q(aging)	q(weighted)
2008	24350	2.435	12.572	3.855	3.864810	3.864810	0.485866	3.253	3.260933	3.260933	0.409949	3.012	3.019383	0.379582	
2007	73050	7.305	12.572	3.855	3.883586	3.883586	0.488226	3.253	3.276775	3.276775	0.411941	3.012	3.034051	0.381427	
2006	12175	1.2175	12.572	3.855	3.860116	3.860116	0.485275	3.253	3.256973	3.256973	0.409451	3.012	3.015715	0.379121	
2005	170450	17.045	12.572	3.855	3.921137	3.921137	0.492947	3.253	3.308460	3.308460	0.415924	3.012	3.063389	0.385115	
2004	215700	21.57	10.790	3.855	3.938583	3.938583	0.424987	3.253	3.323180	3.323180	0.358583	3.012	3.077018	0.332021	
2003	254000	25.4	8.983	3.855	3.953349	3.953349	0.355143	3.253	3.335639	3.335639	0.299652	3.012	3.088554	0.277456	
2002	285350	28.535	7.202	3.855	3.965436	3.965436	0.285597	3.253	3.345837	3.345837	0.240973	3.012	3.097997	0.223123	
2001	309750	30.975	4.496	3.855	3.974843	3.974843	0.178708	3.253	3.353774	3.353774	0.150785	3.012	3.105346	0.139616	
2000	330650	33.065	4.496	3.855	3.982901	3.982901	0.179070	3.253	3.360573	3.360573	0.151091	3.012	3.111642	0.139899	
1999	351550	35.155	4.496	3.855	3.990959	3.990959	0.179433	3.253	3.367372	3.367372	0.151396	3.012	3.117937	0.140182	
98	364500	36.45	1.076	3.855	3.995952	3.995952	0.042980	3.253	3.371584	3.371584	0.036265	3.012	3.121837	0.039578	
97	369500	36.95	1.076	3.855	3.997880	3.997880	0.043001	3.253	3.373211	3.373211	0.036282	3.012	3.123343	0.039594	
96	374500	37.45	1.076	3.855	3.999807	3.999807	0.043022	3.253	3.374837	3.374837	0.036300	3.012	3.124849	0.039611	
95	379500	37.95	0.860	3.855	4.001735	4.001735	0.034434	3.253	3.376464	3.376464	0.029054	3.012	3.126355	0.028901	
94	384500	38.45	0.860	3.855	4.003663	4.003663	0.034450	3.253	3.378090	3.378090	0.029068	3.012	3.127861	0.028914	
<94	402000	40.2	4.302	3.959	4.117831	4.117831	0.177164	3.356	3.491205	3.491205	0.150205	3.012	3.133133	0.134799	
TOTAL							3.930304			3.316916			3.066939		

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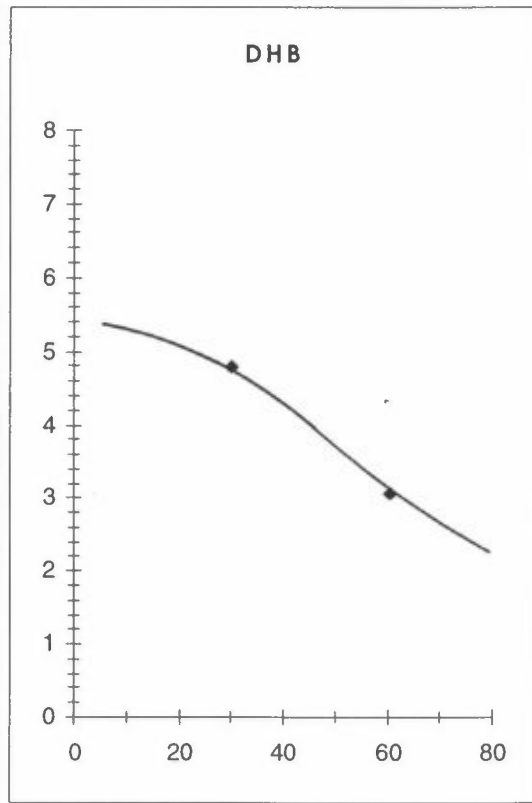
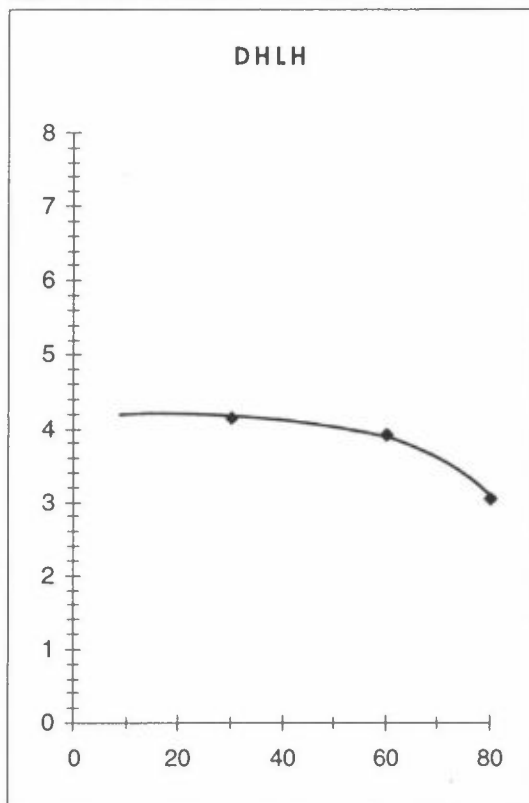
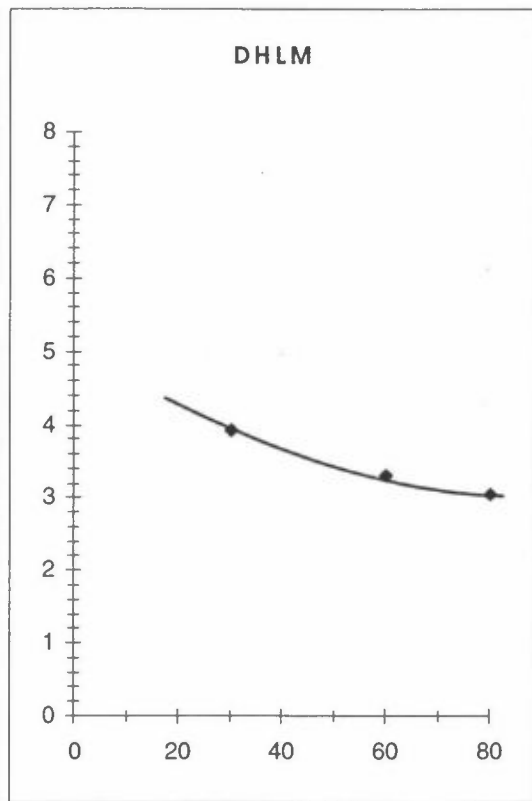
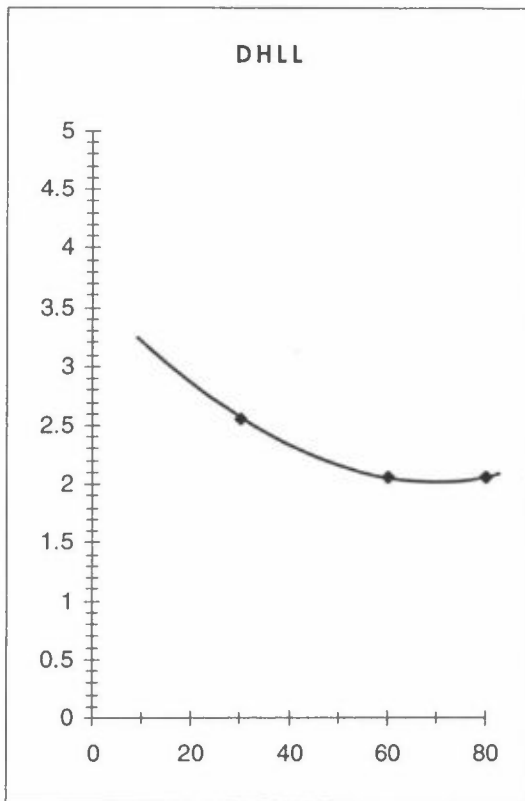
Reg. year DHLH	Acc. dr. length	Trafficwork (%)		V=30		V=60		V=80					
				NU	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)	q(basis)	q(aging)	q(weighted)
2008	24350	2.435	12.572	4.096	4.096	4.106360	0.516232	3.855	3.864810	3.019383	3.012	3.019383	0.379582
2007	73050	7.305	12.572	4.096	4.096	4.126310	0.518740	3.855	3.883586	3.034051	3.012	3.034051	0.381427
2006	12175	1.2175	12.572	4.096	4.096	4.101373	0.515605	3.855	3.860116	3.015715	3.012	3.015715	0.379121
2005	170450	17.045	12.572	4.096	4.096	4.166208	0.523756	3.855	3.921137	3.063389	3.012	3.063389	0.385115
2004	215700	21.57	10.790	4.096	4.096	4.184745	0.451548	3.855	3.938583	3.077018	3.012	3.077018	0.332021
2003	254000	25.4	8.983	4.096	4.096	4.200434	0.377340	3.855	3.953349	3.088554	3.012	3.088554	0.277456
2002	285350	28.535	7.202	4.096	4.096	4.213276	0.303447	3.855	3.965436	3.097997	3.012	3.097997	0.223123
2001	309750	30.975	4.496	4.096	4.096	4.223271	0.189877	3.855	3.974843	3.105346	3.012	3.105346	0.139616
2000	330650	33.065	4.496	4.096	4.096	4.231833	0.190262	3.855	3.982901	3.111642	3.012	3.111642	0.139899
1999	351550	35.155	4.496	4.096	4.096	4.240394	0.190647	3.855	3.990959	3.117937	3.012	3.117937	0.140182
98	364500	36.45	1.076	4.096	4.096	4.245699	0.045666	3.855	3.995952	3.121837	3.012	3.121837	0.033578
97	369500	36.95	1.076	4.096	4.096	4.247747	0.045688	3.855	3.997880	3.123343	3.012	3.123343	0.033594
96	374500	37.45	1.076	4.096	4.096	4.249795	0.045710	3.855	3.999807	3.124849	3.012	3.124849	0.033611
95	379500	37.95	0.860	4.096	4.096	4.251843	0.036586	3.855	4.001735	3.126355	3.012	3.126355	0.026901
94	384500	38.45	0.860	4.096	4.096	4.253892	0.036604	3.855	4.003663	3.127861	3.012	3.127861	0.026914
<94	402000	40.2	4.302	4.096	4.096	4.261060	0.183327	3.959	4.117831	3.240554	3.115	3.240554	0.139421
TOTAL							4.171037			3.930304			3.071561
Reg. year DHB	Acc. dr. length	Trafficwork (%)		V=30		V=60		V=80					
2008	24000	2.4	12.572	4.699	4.699	4.710072	0.592128	3.012	3.019277	3.079569	3.012	3.079569	0.379569
2007	72000	7.2	12.572	4.699	4.699	4.732627	0.594963	3.012	3.033735	3.081387	3.012	3.033735	0.381387
2006	120000	12	12.572	4.699	4.699	4.755181	0.597799	3.012	3.048193	3.083204	3.012	3.048193	0.383204
2005	168000	16.8	12.572	4.699	4.699	4.777735	0.600634	3.012	3.062651	3.085022	3.012	3.062651	0.385022
2004	216000	21.6	10.790	4.699	4.699	4.800289	0.517968	3.012	3.077108	3.032031	3.012	3.077108	0.332031
2003	261800	26.18	8.983	4.699	4.699	4.821810	0.433160	3.012	3.090904	3.027667	3.012	3.090904	0.277667
2002	303200	30.32	7.202	4.699	4.699	4.841263	0.348676	3.012	3.103373	3.023510	3.012	3.103373	0.223510
2001	340200	34.02	4.496	4.699	4.699	4.858648	0.218444	3.012	3.114518	3.0140028	3.012	3.114518	0.140028
2000	372800	37.28	4.496	4.699	4.699	4.873966	0.219132	3.012	3.124337	3.0140469	3.012	3.124337	0.140469
1999	401000	40.1	4.496	4.699	4.699	4.887217	0.219728	3.012	3.132831	3.0140851	3.012	3.132831	0.140851
98	424800	42.48	1.076	4.699	4.699	4.898400	0.052687	3.012	3.140000	3.033774	3.012	3.140000	0.033774
97	443200	44.32	1.076	4.699	4.699	4.907046	0.052780	3.012	3.145542	3.033833	3.012	3.145542	0.033833
96	457200	45.72	1.076	4.699	4.699	4.913624	0.052851	3.012	3.149759	3.033879	3.012	3.149759	0.033879
95	468800	46.88	0.860	4.699	4.699	4.919075	0.042327	3.012	3.153253	3.027133	3.012	3.153253	0.027133
94	478000	47.8	0.860	4.699	4.699	4.923398	0.042365	3.012	3.156024	3.027157	3.012	3.156024	0.027157
<94	497000	49.7	4.302	4.802	4.802	5.040728	0.216871	3.012	3.161747	3.0136030	3.012	3.161747	0.136030
TOTAL							4.802512			3.075544			3.075544

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Summary					
BL1		DL1		DL2	
10	0.200000	10	0.350000	10	1.420000
30	1.003102	30	0.702263	30	0.922135
60	0.603655	60	0.501616	60	0.658668
80	0.603655	80	0.501616	80	0.658668
DL3		DHLL		DHLM	
10	1.630000	10		10	
30	1.064001	30	2.561005	30	3.930304
60	0.760001	60	2.074060	60	3.316916
80	0.760001	80	2.069515	80	3.066939
DHLH		DHB			
10		10			
30	4.171037	30	4.802512		
60	3.930304	60	3.075544		
80	3.071561				



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Norsk institutt for luftforskning (NILU)

P.O. Box 100, N-2007 Kjeller - Norway

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<p>ABSTRACT</p> <p>This is an Appendix to the report "Programme documentation ROADAIR Version 3.11" (NILU TR 21/96), and contains tables and figures to which it is referred in the documentation.</p> <p>The tables and figures present the background data and information to how the emission factors in ROADAIR Version 3.11 are estimated, the distribution of traffic work for vehicles of different age, the evolvement of emission regulations and the corresponding effect on the emission factors, in addition to fuel consumption for the years 1993, 1998, 2003 and 2008.</p>			
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<p>ABSTRACT (in Norwegian)</p> <p>Dette er et vedlegg til rapporten "Programme documentation ROADAIR Version 3.11" (NILU TR 21/96), og inneholder tabeller og figurer som det er referert til i dokumentasjonen.</p> <p>Tabellene og figurene presenterer grunnlagsmateriale og informasjon om hvordan utslippsfaktorene i ROADAIR 3.11 er bereget, fordelingen av trafikkarbeid på biler av ulik alder, utviklingen av avgasskrav og deres innvirkning på utslippsfaktorene, i tillegg til drivstofforbruk for årene 1993, 1998, 2003 og 2008.</p>			

* Classification

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