

Machine	Test number	Test Date Start	Test Date Finish	Duration	Repetitions	Load kN	Tyre inflation pressure kPa	Cumulative Repetitions	Report Link	E80s n=4	Cumulative E80s	Focus area	Location	Road No	Description
					19 931 100					132 576 151					
HVS F/S	FIN01	01/03/1997	01/09/1997	180	1 710 000	60	800	1 710 000	Finnra report 30/2001 Matti Huhtala, Jari Pihlajamäki and Janne Sikiö	8 656 875	8 656 875				Base course test with high quality base
HVS F/S	FIN02	01/09/1997	01/10/1997	60	170 000	80	800	1 880 000		2 720 000	11 376 875				Loading mode test, single wheel, bi-directional
HVS F/S	FIN03	01/10/1997	01/11/1997	60	1 400 000	70	800	3 280 000		13 130 469	24 507 344				Loading mode test, single wheel, uni-directional
HVS F/S	FIN04	01/11/1997	01/12/1997	30	318 000	70	800	3 598 000		2 982 492	27 489 836				Loading mode test, dual wheel, bi-directional
HVS F/S	FIN05	01/04/1998	01/04/1998	0	0	60	800	3 598 000		0	27 489 836				Thawing test, frost-susceptible subgrade
HVS F/S	FIN06	01/04/1998	01/05/1998	30	4 900	50	700	3 602 900	Finnra report 31/2000 Heikki Kangas, Heikki	11 963	27 501 799				Thawing test, frost-susceptible subgrade
HVS F/S	FIN07	01/05/1998	01/05/1998	30	8 100	40	550	3 611 000		8 100	27 509 899				Thawing test, frost-susceptible subgrade, steel grid in base course
HVS F/S	FIN08	01/05/1998	01/05/1998	60	6 500	40	550	3 617 500	Onninen and Seppo Saarelainen	6 500	27 516 399				Heavy traffic road, traditional structure
HVS F/S	FIN09	01/06/1998	01/07/1998	60	130 000	60	800	3 747 500	Finnra reports 29/2001 Jari Pihlajamäki and Janne Sikiö	658 125	28 174 524				Heavy traffic road, high resistance to fatigue structure
HVS F/S	FIN10	01/08/1998	01/10/1998	60	500 000	60	800	4 247 500		2 531 250	30 705 774				
HVS F/S	SE01	01/12/1998	01/05/1999	180	1 425 000	60	800	5 672 500	Accelerated load testing of pavements, VTI Report 477A, Leif G Wiman, 2001	7 214 063	37 919 836				The first test in a series of three with gradually increasing bearing capacity. SE01, SE02, SE06
HVS F/S	SE01	01/12/1998	01/05/1999	180	871 000	80	1000	6 543 500		13 936 000	51 855 836				
HVS F/S	SE02	01/06/1999	01/08/1999	60	1 135 000	60	800	7 678 500		5 745 938	57 601 774				The second test in a series of three with gradually increasing bearing capacity. SE01, SE02, SE06
HVS F/S	SE03	01/09/1999	01/11/1999	60	800 000	60	800	8 478 500		4 050 000	61 651 774				Maintenance treatment on SE01. "Milling and filling"
HVS F/S	SE04	01/12/1999	01/12/1999	30	165 000	60	800	8 643 500		835 313	62 487 086				Maintenance treatment on SE02. "Milling and filling"
Machine	Test number	Test Date Start	Test Date Finish	Duration	Repetitions	Load kN	Tyre inflation pressure kPa	Cumulative Repetitions	Report Link	E80s n=4	Cumulative E80s	Focus area	Location	Road No	Description
HVS F/S	IS02	01/03/2000	01/04/2000	30	480 000	60	800	9 123 500	HVS-testing of Icelandic low volume road structures, Thorir	2 430 000	64 917 086				Surface treatment (double) on unbound base and sub-base material from Iceland

HVS F/S	IS03	01/04/2000	01/05/2000	30	475 000	60	800	9 598 500	Ingason, Leif G. Wiman, Hreinn Haraldsson, ISAP 2002, Danmark	2 404 688	67 321 774				Surface treatment (double) and bituminous base layer on unbound base and sub-base material from Iceland.
HVS F/S	RX01	01/06/2000	01/06/2000	7	39 000	60	800	9 637 500	REFLEX Final Report T4:02, Full Scale Accelerated Tests, Jari Philajamäki, Leif G Wiman, Kent Gustafson, EU Brite/Euram III RTD Programme, 2002	197 438	67 519 211				Flow rutting test. Effect of steel mesh on pavement deformation at high AC-layer temperature
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HVS F/S	RX02	01/08/2000	01/10/2000	90	852 000	60	800	10 489 500	REFLEX Final Report T4:02, Full Scale Accelerated Tests, Jari Philajamäki, Leif G Wiman, Kent Gustafson, EU Brite/Euram III RTD Programme, 2002	4 313 250	71 832 461				Bearing capacity test. Effect of steel mesh in bituminous base on bearing capacity at "normal" temperature (10 °C)
HVS F/S	FIN11 (Reflex 03)	01/01/2001	01/02/2001	30	111 000	60	800	10 600 500	REFLEX Final Report T4:02, Full Scale Accelerated Tests, Jari Philajamäki, Leif G Wiman, Kent Gustafson, EU Brite/Euram III RTD Programme, 2002	561 938	72 394 399				Bearing capacity test. Effect of steel grid #75/75 in crushed rock at "normal" temperature (10 °C)
HVS F/S	FIN12 (Reflex 03)	01/02/2001	01/03/2001	30	111 000	60	800	10 711 500	REFLEX Final Report T4:02, Full Scale Accelerated Tests, Jari Philajamäki, Leif G Wiman, Kent Gustafson, EU Brite/Euram III RTD Programme, 2002	561 938	72 956 336				Bearing capacity test. Effect of steel grid #150/150 in crushed rock at "normal" temperature (10 °C)
HVS F/S	FIN13 (Reflex 03)	01/03/2001	01/04/2001	30	68 800	60	800	10 780 300	REFLEX Final Report T4:02, Full Scale Accelerated Tests, Jari Philajamäki, Leif G Wiman, Kent Gustafson, EU Brite/Euram III RTD Programme, 2002	348 300	73 304 636				Bearing capacity test. Un-reinforced reference structure
HVS F/S	FIN14	01/04/2001	01/05/2001	30	23 100	60	800	10 803 400	Jukka Elomaa, Helsinki University of Technology, Master's thesis, 2002	116 944	73 421 580				EPS-structure. Effect of lightweight material
HVS F/S	FIN15	01/05/2001	01/06/2001	30	23 100	60	800	10 826 500	Jukka Elomaa, Helsinki University of Technology, Master's thesis, 2002	116 944	73 538 524				EPS-structure. Effect of lightweight material + steel grid in crushed rock
HVS F/S	FIN16 + FIN17	01/08/2001	01/08/2001	15	16 100	50	700	10 842 600	Finnra report 19/2003, L. Korkiala-Tanttu, P.	39 307	73 577 830				Sloped structure (reference structure no slope)

HVS F/S	FIN18	01/09/2001	01/09/2001	15	17 900	50	700	10 860 500	Jauhiainen, P. Halonen, R. Laaksonen, M.	43 701	73 621 532				Sloped structure slope 1:3
HVS F/S	FIN19 + FIN 20	01/11/2001	01/11/2001	15	17 900	60	800	10 878 400	Juvankoski, H. Kangas and J. Sikiö	90 619	73 712 150				Sloped structure slope 1:1.5
HVS F/S	FIN21	01/03/2002	01/03/2002	15	70 000	70	850	10 948 400	Finnra report 22/2003, L. Korkiala-Tanttu, R. Laaksonen and J. Törnqvist	656 523	74 368 674				Low-volume road, high level of ground water, load 70 kN
HVS F/S	FIN22	01/02/2002	01/02/2002	15	70 000	50	700	11 018 400		170 898	74 539 572				Low-volume road, high level of ground water, load 50 kN
HVS F/S	FIN23	01/04/2002	01/04/2002	15	70 000	70	850	11 088 400		656 523	75 196 096				Low-volume road, lower level of ground water, load 70 kN
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HVS F/S	PL01/02	01/07/2002	01/10/2002	60	1 200 000	80	1000	12 288 400	Verification of Pavement Structure Design on A2 Toll Motorway in Poland using Heavy Vehicle Simulator (HVS NORDIC), Ao. Univ. Prof. Dipl.-Ing. Dr. Ronald BLAB, o. Univ. Prof. Dipl.-Ing. Dr. Johann LITZKA, Dipl. Ing. Peter GIRKINGER STRASSEN BAU DER TECHN. UNIVERSITÄT WIEN	19 200 000	94 396 096				Verification of an alternative semi-rigid pavement structure and comparison with Polish standard design.
HVS F/S	FIN24	01/10/2002	01/10/2002	15	39 000	50	700	12 327 400	Finnra report 38/2003, L. Korkiala-Tanttu and R. Laaksonen	95 215	94 491 311				Steep reinforced slope rehabilitated structure, reference structure without reinforcement

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HVS F/S	FIN25	01/10/2002	01/10/2002	15	39 000	50	700	12 366 400	Finnra report 38/2003, L. Korkiala-Tanttu and R. Laaksonen	95 215	94 586 525				Steep reinforced slope rehabilitated structure, steel grid B500H - 5/6 - 200/150
HVS F/S	FIN26	01/11/2002	01/11/2002	15	39 000	50	700	12 405 400		95 215	94 681 740				Steep reinforced slope rehabilitated structure, steel grid B500H - 5/8 - 200/150
HVS F/S	FIN27	01/11/2002	01/11/2002	15	39 000	50	700	12 444 400		95 215	94 776 955				Steep reinforced slope rehabilitated structure, fibreglass grid
HVS F/S	FIN28	01/12/2002	01/12/2002	15	39 000	50	700	12 483 400		95 215	94 872 170				Steep reinforced slope rehabilitated structure, steel grid B500H - 5/6 - 200/150
HVS F/S	FIN29	01/12/2002	01/12/2002	15	39 000	60	800	12 522 400		197 438	95 069 607				Steep reinforced slope rehabilitated structure, reference structure without reinforcement
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HVS F/S	SE05	01/01/2003	01/02/2003	60	613 000	60	800	13 135 400	Accelerated load testing of pavements, VTI Report 544A, Leif G Wiman, 2006	3 103 313	98 172 920				Unbound base layer study. Crushed rock material compared to natural gravel. The third test in a series of three tests with gradually increasing bearing capacity. SE01, SE02, SE06
HVS F/S	SE06	01/04/2003	01/05/2003	60	500 000	60	800	13 635 400		2 531 250	100 704 170				
HVS F/S	SE06	01/03/2004	01/04/2004	60	500 000	60	800	14 135 400		2 531 250	103 235 420				
HVS F/S	SE07A	01/06/2003	01/07/2003	30	400 000	60	800	14 535 400	Provväg E6, glimherrika bärlager och vägkonstruktioner med lättklinker, rovsträckor och mätresultat	2 025 000	105 260 420				Different Mica content in unbound base layers. 4 tests at a construction site in the west of Sweden (E6 Uddevalla).

