

Appendix C

Table C1. SPB site details and meteorological conditions

Road	Site*	Date of SPB measurements	Surface type	Average air temperature (°C)	Average surface temperature (°C)	Average wind speed (m/s)	Carriageway	Measurement location
M18	1	09/04/02	CRCP	7.8	8.9	3.1	Southbound	Hard shoulder MP284.4
M18	2	09/04/02	CRCP	11.2	13.9	1.6	Northbound	Hard shoulder MP284.4
M20	1	07/05/02	URC	13.4	16.2	2.6	Northbound	Hard shoulder MP84.32
M20	2	07/05/02	URC	16.0	22.3	1.0	Northbound	Hard shoulder MP80.75
M20	3	07/05/02	URC	15.8	21.1	1.9	Northbound	Hard shoulder MP76.91
M20**	4	08/05/02	URC	9.8	13.0	5.2	Northbound	Hard shoulder MP72.45
M20	5	08/05/02	URC	11.4	16.5	2.5	Northbound	Hard shoulder MP68.75
M20	6	08/05/02	URC	12.3	19.3	4.8	Southbound	Hard shoulder MP70.93
M20	7	09/05/02	URC	9.2	11.1	2.3	Southbound	Hard shoulder MP73.85
M20	8	09/05/02	URC	11.9	14.4	0.9	Southbound	Hard shoulder MP79.31
M20	9	09/05/02	URC	12.7	14.3	2.2	Southbound	Hard shoulder MP83.64
M23	1	15/04/02	EAC	9.9	10.7	0.9	Northbound	Hard shoulder MP44.19
M23	2	15/04/02	EAC	12.0	14.1	0.9	Northbound	Hard shoulder MP44
M1-A1 Link	1	10/04/02	CRCP	9.7	9.9	3.2	Southbound	Hard shoulder MP317.1
M1-A1 Link	2	10/04/02	CRCP	11.1	15.8	1.8	Northbound	Hard shoulder MP310.3
M1-A1 Link	3	11/04/02	CRCP	8.8	8.8	2.9	Southbound	Hard shoulder MP305.4
M1-A1 Link	4	11/04/02	CRCP	11.1	15.5	2.0	Southbound	Hard shoulder MP313
A11	1	02/04/02	CRCP	14.0	15.5	1.4	Northbound	Lay-by
A11	2	02/04/02	CRCP	18.0	18.0	1.3	Southbound	Lay-by
A11	3	03/04/02	CRCP	13.5	12.0	3.4	Southbound	Exit slip to Wymondham
A11	4	03/04/02	CRCP	16.1	18.6	2.6	Southbound	Exit slip to Spooner row
A11	5	03/04/02	CRCP	16.6	23.0	2.4	Northbound	Exit slip to Wymondham
A13	1	05/04/02	EAC	14.3	18.0	2.6	Westbound	Entrance slip MP103.7
A13	2	05/04/02	EAC	16.8	18.0	4.0	Westbound	Lay-by MP102.25

Road	Site	Date of SPB measurements	Surface type	Average air temperature (°C)	Average surface temperature (°C)	Average wind speed (m/s)	Carriageway	Measurement location
A27	1	05/03/02	JRC	10.5	10.1	1.6	Eastbound	Lay-by MP60.7
A27	2	05/03/02	JRC	12.0	12.4	1.6	Westbound	Lay-by MP64.3
A27	3	05/03/02	JRC	11.7	11.5	1.6	Westbound	Lay-by MP58.1
A27	4	06/03/02	JRC	10.5	9.0	4.5	Eastbound	Exit slip from services MP55.96
A27	5	06/03/02	JRC	10.8	8.9	2.3	Westbound	Lay-by MP62.15
A27	6	06/03/02	JRC	10.9	9.6	0.9	Westbound	Lay-by MP60.8
A30	1	30/04/02	CRCP	11.3	11.7	1.5	Eastbound	Lay-by MP249.4
A30	2	01/05/02	CRCP	12.2	18.5	3.1	Eastbound	Lay-by MP239.4
A30	3	01/05/02	CRCP	13.4	20.8	2.7	Westbound	Lay-by MP240.2
A30	4	01/05/02	CRCP	13.5	19.9	1.9	Westbound	Lay-by MP246.8
A30	5	02/05/02	CRCP	10.3	13.8	1.6	Westbound	Lay-by MP251.61
A30	6	02/05/02	CRCP	14.3	20.0	1.9	Westbound	Lay-by MP249.3
A34	1	18/04/02	URC	12.4	13.0	1.2	Northbound	Lay-by MP91.5
A34	2	18/04/02	URC	13.0	15.3	1.0	Northbound	Lay-by MP94.5
A34	3	18/04/02	URC	11.3	15.2	2.3	Southbound	Lay-by MP93
A34	4	19/04/02	URC	9.9	10.1	1.8	Southbound	Lay-by MP89.64
A35	1	22/04/02	CRCP	13.2	17.2	2.8	Westbound	Lay-by MP104.65
A35	2	22/04/02	CRCP	13.1	15.8	1.9	Westbound	Exit slip to A354 MP108.9
A35	3	23/04/02	CRCP	13.7	15.3	1.7	Eastbound	Exit slip to A354 MP109.45
A35	4	23/04/02	CRCP	15.6	19.6	1.4	Eastbound	Lay-by MP105.15
A50 Doveridge	1	26/03/02	CRCP	12.0	16.0	1.6	Westbound	Lay-by MP107.6
A50 Doveridge	2	26/03/02	CRCP	12.5	14.4	1.0	Eastbound	Lay-by MP107.95
A50 Doveridge	3	27/03/02	CRCP	7.7	7.0	1.6	Westbound	Lay-by MP109.2
A50 Derby Southern	1	22/03/02	CRCP	12.8	10.7	1.3	Eastbound	Entrance slip MP78.6
A50 Derby Southern	2	22/03/02	CRCP	13.9	14.0	1.4	Westbound	Lay-by MP79.05

Road	Site	Date of SPB measurements	Surface type	Average air temperature (°C)	Average surface temperature (°C)	Average wind speed (m/s)	Carriageway	Measurement location
A50 Foston Hatton Hilton	1	25/03/02	EAC	12.4	12.6	1.2	Westbound	Lay-by MP99.4
A50 Foston Hatton Hilton	2	26/03/02	EAC	9.9	11.1	1.3	Eastbound	Lay-by MP99.4
A50 Foston Hatton Hilton	3	26/03/02	EAC	11.7	13.7	1.8	Westbound	Lay-by MP98.4
A52	1	21/03/02	JRC	14.2	13.5	3.2	Eastbound	Entrance to farmland
A52	2	21/03/02	JRC	14.0	14.2	3.6	Eastbound	Road off to Bottesford
A249	1	16/04/02	CRCP	12.8	11.6	0.8	Northbound	Lay-by
A249	2	16/04/02	CRCP	15.4	17.4	0.9	Northbound	Lay-by
A249	3	16/04/02	CRCP	16.1	20.3	1.6	Northbound	Lay-by
A249	4	16/04/02	CRCP	14.5	20.8	2.0	Southbound	Lay-by
A417 / A419	1	24/04/02	CRCP	12.0	12.5	2.5	Northbound	Lay-by MP25.62
A417 / A419	2	24/04/02	CRCP	17.0	21.1	2.5	Southbound	Lay-by MP25.7
A417 / A419	3	24/04/02	CRCP	21.0	27.4	2.5	Southbound	Exit slip to B4696 MP21.9
A417 / A419	4	25/04/02	CRCP	14.2	14.9	2.2	Northbound	Exit slip to B4696 MP21.15
A417 / A419	5	25/04/02	CRCP	16.0	21.5	2.2	Northbound	Exit slip to A419 MP23.52
A417 / A419	6	25/04/02	CRCP	17.4	25.3	2.2	Northbound	Exit slip to B4425 MP27.81
A483	1	27/03/02	JRC	14.3	17.9	2.2	Northbound	Lay-by
A483	2	27/03/02	JRC	14.7	15.2	0.6	Southbound	Lay-by
A483	3	28/03/02	JRC	7.6	7.1	2.2	Northbound	Lay-by

* The site numbering is in the order surveyed. This is not necessarily the order that the sites are located along the road

** Removed from final analysis due to poor meteorological conditions

CRCP = Continually Reinforced Concrete Pavement

JRC = UnReinforced Concrete

JRC = Jointed Reinforced Concrete

EAC = Exposed Aggregate Concrete (also known as Whisper CRCP)