

ATTACHMENT 1

MISSOURI DOT RWIS LOCATION AND EQUIPMENT DETAILS									
County	Route	MM	Dir.	Type	Site Name - Latitude and Longitude	Sensor	Name Brand	Manufacturer	Model #
Platte	I-29	14.00	NB	Regional	I-29 @ NW Cookingham	Air Temperature	Vaisala	Vaisala	HMP 155
						Relative Humidity	Vaisala	Vaisala	HMP 155
					N39.31174	Precipitation Sensor	Vaisala	Vaisala	DRD 11 A
					W094.68788	Wind	Vaisala	Vaisala	WSM 301
						Surface Sensor	Vaisala	Vaisala	FP-2000
Buchanan	US 36	0.57	WB	Regional	US36 @ 10th St. St. Joseph	Air Sensor	Thies	Thies CLIMA	1.1005.60.952
						Wind Sensor	RM Young WS/WD	RM Young	05103-15
					N39.7464600	Subsurface Sensor	Sub Probe	SSI	Sub-Surface Probe
					W094.8382740	Precipitation Sensor	OWI	OSI	120
						Surface Sensor US-36 WB West of Bridge	Surface Sensor	SSI	FP-2000
						Surface Sensor US-36 WB Deck	Surface Sensor	SSI	FP-2000
						Surface Sensor US-36 EB Driving	Surface Sensor	SSI	FP-2000
						Surface Sensor US-36 WB Driving East Bridge	Surface Sensor	SSI	FP-2000
						Surface Sensor US-36 East of Bridge	Surface Sensor	SSI	FP-2000
Newton	I-44	1.28	EB	Regional	I44 @ MM 1.28, Joplin	Air Sensor	Measurement Specialty	Measurement Specialty	SP052
						Relative Humidity	Met One 083	Met One	083
					N37.0011800	Barometric Pressure	Met One 092	Met One	092
					W094.5952800	Wind Sensor	RM Young WS/WD	RM Young	05103-15
						Precipitation Sensor	DSP WIVIS	OSI	OWI-430
						Visibility	DSP WIVIS	OSI	OWI-430
						Subsurface Sensor	Sub Probe	SSI	Sub-Surface Probe
						Surface Sensor I-44 EB SL	Surface Sensor	SSI	FP-2000

County	Route	MM	Dir.	Type	Site Name - Latitude and Longitude	Sensor	Name Brand	Manufacturer	Model #
Jasper	I-44	20.20	WB	Local	I44 @ MM 20.20, Fidelity	Air Sensor	Measurement Specialty	Measurement Specialty	SP052
						Relative Humidity	Met One 083	Met One	083
					N37.0819800	Barometric Pressure	Met One 092	Met One	092
					W094.2813700	Subsurface Sensor	Sub Probe	SSI	Sub-Surface Probe
						Surface Sensor I-44 WB SL	Surface Sensor	SSI	FP-2000
						Surface Sensor I-44 WB SL Deck	Ground Hog	NMI	G-10
Lawrence	I-44	45.40	EB	Regional	I44 @ MM 45.40, Mt. Vernon	Air Sensor	Measurement Specialty	Measurement Specialty	SP052
						Relative Humidity	Met One 083	Met One	083
					N37.0930600	Barometric Pressure	Met One 092	Met One	092
					W093.8032600	Wind Sensor	RM Young WS/WD	RM Young	05103-15
						Precipitation Sensor	DSP WIVIS	OSI	OWI-430
						Visibility	DSP WIVIS	OSI	OWI-430
						Subsurface Sensor	Sub Probe	SSI	Sub-Surface Probe
						Surface Sensor I-44 EB SL	Surface Sensor	SSI	FP-2000
						Surface Sensor I-44 EB SL Deck	Ground Hog	NMI	G-10
Greene	I-44	60.85	WB	Local	I44 @ MM 60.85, Halltown	Air Sensor	Measurement Specialty	Measurement Specialty	SP052
						Relative Humidity	Met One 083	Met One	083
					N37.1863100	Barometric Pressure	Met One 092	Met One	092
					W093.5896300	Subsurface Sensor	Sub Probe	SSI	Sub-Surface Probe
						Surface Sensor I-44 WB SL	Surface Sensor	SSI	FP-2000

County	Route	MM	Dir.	Type	Site Name - Latitude and Longitude	Sensor	Name Brand	Manufacturer	Model #
Greene	I-44	82.60	EB	Regional	I44 @ US65, Springfield	Air Sensor	Measurement Specialty	Measurement Specialty	SP052
						Relative Humidity	Met One 083	Met One	083
					N37.2498500	Barometric Pressure	Met One 092	Met One	092
					W093.2242500	Wind Sensor	RM Young WS/WD	RM Young	05103-15
						Precipitation Sensor	DSP WIVIS	OSI	OWI-430
						Visibility	DSP WIVIS	OSI	OWI-430
						Subsurface Sensor	Sub Probe	SSI	Sub-Surface Probe
						Surface Sensor I-44 EB SL	Surface Sensor	SSI	FP-2000
						Surface Sensor US-65 NB Deck	Surface Sensor	SSI	FP-2000
						Surface Sensor Ramp to I-44 WB Deck	Surface Sensor	SSI	FP-2000
Webster	I-44	104.50	WB	Local	I44 @ MM 104.50, Marshfield	Air Sensor	Measurement Specialty	Measurement Specialty	SP052
						Relative Humidity	Met One 083	Met One	083
					N37.3860900	Barometric Pressure	Met One 092	Met One	092
					W092.9020200	Subsurface Sensor	Sub Probe	SSI	Sub-Surface Probe
						Surface Sensor I-44 WB SL	Surface Sensor	SSI	FP-2000
Laclede	I-44	125.85	EB	Regional	I44 @ MM 125.85, Lebanon	Air Sensor	Measurement Specialty	Measurement Specialty	SP052
						Relative Humidity	Met One 083	Met One	083
					N37.6473000	Barometric Pressure	Met One 092	Met One	092
					W092.6682400	Wind Sensor	RM Young WS/WD	RM Young	05103-15
						Precipitation Sensor	DSP WIVIS	OSI	OWI-430
						Visibility	DSP WIVIS	OSI	OWI-430
						Subsurface Sensor	Sub Probe	SSI	Sub-Surface Probe
						Surface Sensor I-44 EB SL	Surface Sensor	SSI	FP-2000
						Surface Sensor Exit 127 Overpass Deck	Surface Sensor	SSI	FP-2000

County	Route	MM	Dir.	Type	Site Name - Latitude and Longitude	Sensor	Name Brand	Manufacturer	Model #
Laclede	I-44	144.00	WB	Regional	I44 @ Gasconade River, Hazelgreen	Air Sensor	Measurement Specialty	Measurement Specialty	SP052
						Relative Humidity	HMP 155	VAISALA	HMP 155
					N37.7634000	Barometric Pressure	PTB 110	VAISALA	PTB 110
					W092.4467700	Wind Sensor	RM Young WS/WD	RM Young	05103-15
						Precipitation Sensor	PWD 12	VAISALA	PWD 12
						Visibility	PWD 12	VAISALA	PWD 12
						Subsurface Sensor	Sub Probe	SSI	Sub-Surface Probe
						Surface Sensor I-44 WB SL	Surface Sensor	SSI	FP-2000
						Surface Sensor I-44 WB SL Deck	Surface Sensor	SSI	FP-2000
Pulaski	I-44	165.45	WB	Regional	I44 @ MM 165.45, Waynesville	Air Sensor	Measurement Specialty	Measurement Specialty	SP052
						Relative Humidity	Met One 083	Met One	083
					N37.8521300	Barometric Pressure	Met One 092	Met One	092
					W092.0780300	Wind Sensor	RM Young WS/WD	RM Young	05103-15
						Precipitation Sensor	DSP WIVIS	OSI	OWI-430
						Visibility	DSP WIVIS	OSI	OWI-430
						Subsurface Sensor	Sub Probe	SSI	Sub-Surface Probe
						Surface Sensor I-44 WB SL Deck	Surface Sensor	SSI	FP-2000
						Surface Sensor I-44 WB ML	Surface Sensor	SSI	FP-2000
Phelps	I-44	186.00	WB	Regional	I44 @ US63, Rolla	Air Sensor	Measurement Specialty	Measurement Specialty	SP052
						Relative Humidity	Met One 083	Met One	083
					N37.9623000	Barometric Pressure	Met One 092	Met One	092
					W091.7652200	Wind Sensor	RM Young WS/WD	RM Young	05103-15
						Precipitation Sensor	DSP WIVIS	OSI	OWI-430
						Visibility	DSP WIVIS	OSI	OWI-430
						Subsurface Sensor	Sub Probe	SSI	Sub-Surface Probe
						Surface Sensor I-44 WB SL	Surface Sensor	SSI	FP-2000
						Surface Sensor US-60 NB Deck	Surface Sensor	SSI	FP-2000

County	Route	MM	Dir.	Type	Site Name - Latitude and Longitude	Sensor	Name Brand	Manufacturer	Model #
Crawford	I-44	222.20	EB	Local	I44 @ MM 222.20, Sullivan	Air Temperature	Measurement Specialty	Measurement Specialty	SP052
						Relative Humidity	Met One 083	Met One	083
					N38.1829100	Barometric Pressure	Met One 092	Met One	092
					W091.2012900	Subsurface Sensor	Sub Probe	SSI	Sub-Surface Probe
						Surface Sensor I44 EB SL	Surface Sensor	SSI	FP-2000
Franklin	I-44	247.20	EB	Regional	I44 @ US50 Union	Air Sensor	Measurement Specialty	Measurement Specialty	SP052
						Relative Humidity	Met One 083	Met One	083
					N38.4343700	Barometric Pressure	Met One 092	Met One	092
					W090.9136100	Wind Sensor	RM Young WS/WD	RM Young	05103-15
						Precipitation Sensor	DSP WIVIS	OSI	OWI-430
						Visibility	DSP WIVIS	OSI	OWI-430
						Subsurface Sensor	Sub Probe	SSI	Sub-Surface Probe
						Surface Sensor I-44 EB SL	Surface Sensor	SSI	FP-2000
						Surface Sensor I-44 EB SL Deck	Ground Hog	NMI	G-10
St. Louis	I-44	266.20	WB	Regional	I44 @ Meramec River, Eureka	Air Sensor (AT/RH)	Thies	Thies CLIMA	1.1005.60.952
					N38.5049390	Wind Sensor	RM Young WS/WD	RM Young	05103-15
					W090.5900220	Precipitation Sensor	SSI	SSI	Hawkeye
St. Louis	I-44	284.00	EB	Regional	I44 @ Jamieson Ave, St. Louis	Air Sensor	Measurement Specialty	Measurement Specialty	SP052
						Relative Humidity	Met One 083	Met One	083
					N38.6002000	Barometric Pressure	Met One 092	Met One	092
					W090.3138900	Wind Sensor	RM Young WS/WD	RM Young	05103-15
						Precipitation Sensor	DSP WIVIS	OSI	OWI-430
						Visibility	DSP WIVIS	OSI	OWI-430

County	Route	MM	Dir.	Type	Site Name - Latitude and Longitude	Sensor	Name Brand	Manufacturer	Model #
Cass	I-49	148.20	NB	Regional	I-49 @ GRAND RIVER	Air Temperature	Vaisala	Vaisala	HMP 155
						Relative Humidity	Vaisala	Vaisala	HMP 155
					N38.48822	Precipitation Sensor	Vaisala	Vaisala	DRD 11 A
					W094.34107	Wind	Vaisala	Vaisala	WSM 301
						Surface sensor	Vaisala	Vaisala	G-10
Jefferson	I-55	171.00	SB	Local	I-55 @ US 61, Festus	Air temperature	Vaisala	Vaisala	HMP 155
					N38.15794	Relative Humidity	Vaisala	Vaisala	HMP 155
					W090.35875	Surface Sensor	Vaisala	Vaisala	FP-2000
						Subsurface Sensor	Sub Probe	Vaisala	Sub-Surface Probe
St. Louis	US 67		SB	Regional	US 67 @ MO 94, West Alton	Air temperature	Vaisala	Vaisala	HMP 155
						Relative Humidity	Vaisala	Vaisala	HMP 155
					N38.86152	Wind	Vaisala	Vaisala	WSM 301
					W090.22373	Surface Sensor	Vaisala	Vaisala	FP-2000
						Subsurface Sensor	Sub Probe	Vaisala	Sub-Surface Probe
Lafayette	I-70	37.70	WB	Regional	I-70 ODESSA	Air Temperature	Vaisala	Vaisala	HMP 155
						Relative Humidity	Vaisala	Vaisala	HMP 155
					N39.0078	Precipitation Sensor	Vaisala	Vaisala	PWD 12
					W0933.94753	Visibility	Vaisala	Vaisala	PWD 12
						Wind	Vaisala	Vaisala	WSM 301
						Surface sensors	Vaisala	Vaisala	G-10
Lafayette	I-70	49.20	WB	Local	I70 @ Hwy 13, Warrensburg/Higginsville	Air temperature	Vaisala	Vaisala	HMP 155
						Relative Humidity	Vaisala	Vaisala	HMP 155
					N39.00108	Surface Sensor Black	Vaisala	Vaisala	FP-2000
					W093.73544	Surface Sensor Grey	Vaisala	Vaisala	FP-2000
						Subsurface sensor	Subprobe	Vaisala	Sub-Surface Probe

County	Route	MM	Dir.	Type	Site Name - Latitude and Longitude	Sensor	Name Brand	Manufacturer	Model #
Lafayette	I-70	61.20	EB	Local	I70 @ DMS Location/MM 61.2	Air temperature	Vaisala	Vaisala	HMP 155
						Relative Humidity	Vaisala	Vaisala	HMP 155
					N38.98784	Subsurface sensor	Subprobe	SSI	Sub-Surface Probe
					W093.52105	Surface Sensor	Vaisala	Vaisala	FP-2000
Saline	I-70	78.10	WB	Regional	I70 @ Hwy 65, Sedalia	Air temperature	Vaisala	Vaisala	HMP 155
						Relative Humidity	Vaisala	Vaisala	HMP 155
					N38.96189	Subsurface sensor	Subprobe	SSI	Sub-Surface Probe
					W93.20642	Surface sensor Black	SSI	Vaisala	FP-2000
						Surface sensor Grey	SSI	Vaisala	FP-2000
						Wind	Vaisala	Vaisala	WM 30 B2CB
						Precipitation sensor	Vaisala	Vaisala	DRD 11 A
Cooper	I-70	93.40	WB	Local	I70 @ Camera Pole,0.4 Miles East of Lamine River	Air temperature	Vaisala	Vaisala	HMP 155
						Relative Humidity	Vaisala	Vaisala	HMP 155
					N38.93441	Surface sensor	SSI	Vaisala	FP 2000
					W92.91568	Sub probe	Subprobe	Vaisala	Sub-surface probe
Cooper	I-70	114.60	EB	Regional	I70 @ Missouri River Bride, Rocheport	Air temperature	Vaisala	Vaisala	HMP 155
						Relative Humidity	Vaisala	Vaisala	HMP 155
					N38.95353	Surface Sensor Black	SSI	Vaisala	FP-2000
					W092.55476	Surface Sensor Grey	SSI	Vaisala	FP-2000
						Wind	Vaisala	Vaisala	WM 30 B2CB
						Precipitation	Vaisala	Vaisala	DRD 11 A
						Sub Probe	Subprobe	Vaisala	Sub-Surface Probe

County	Route	MM	Dir.	Type	Site Name - Latitude and Longitude	Sensor	Name Brand	Manufacturer	Model #
Boone	I-70	132.30	EB	Local	I70 @ Lake of the Woods Exit, East Columbia	Air temperature	Vaisala	Vaisala	HMP 155
						Relative Humidity	Vaisala	Vaisala	HMP 155
					N38.95985	Surface Sensor	SSI	Vaisala	FP-2000
					W092.23075	Sub probe	Subprobe	Vaisala	Sub-surface probe
Callaway	I-70	150.40	WB	Local	I70 @ DMS Location/ MM 150.4	Air temperature	Vaisala	Vaisala	HMP 155
						Relative Humidity	Vaisala	Vaisala	HMP 155
					N38.94384	Surface Sensor	SSI	Vaisala	FP 2000
					W091.89700	Sub probe	Subprobe	Vaisala	Sub-surface probe
Montgomery	I-70	167.40	EB	Regional	I70 @ Truck Parking Area/MM 167.4	Air temperature	Vaisala	Vaisala	HMP 155
						Relative humidity	Vaisala	Vaisala	HMP 155
					N38.89644	Surface sensor	SSI	Vaisala	FP-2000
					W091.59846	Sub probe	Subprobe	Vaisala	Sub-surface probe
						Precipitation	Vaisala	Vaisala	DRD 11 A
						Wind	Vaisala	Vaisala	WM 30 B2CB
Montgomery	I-70	181.60	WB	Local	I-70 @ MM 181.6	Air temperature	Vaisala	Vaisala	HMP 155
						Relative Humidity	Vaisala	Vaisala	HMP 155
					N38.86917	Surface sensor	SSI	Vaisala	FP-2000
					W091.24277	Sub probe	Subprobe	Vaisala	Sub-surface probe
Warren	I-70	193.00	WB	Local	I70 @ Hwy 47, Warrenton/Camera Pole	Air temperature	Vaisala	Vaisala	HMP 155
						Relative Humidity	Vaisala	Vaisala	HMP 155
					N38.82165	Surface sensor	SSI	Vaisala	FP-2000
					W091.13910	Sub probe	Subprobe	Vaisala	Sub-surface probe

County	Route	MM	Dir.	Type	Site Name - Latitude and Longitude	Sensor	Name Brand	Manufacturer	Model #
St. Charles	I-70	207.00	WB	Regional	I-70 @ MM 207, Wentzville	Air temperature	Vaisala	Vaisala	HMP 155
						Relative Humidity	Vaisala	Vaisala	HMP 155
					N38.80404	Precipitation Sensor	Vaisala	Vaisala	DRD 11 A
					W090.89809	Wind	Vaisala	Vaisala	WSM 301
						Surface Sensor	Vaisala	Vaisala	FP-2000
						Subsurface Sensor	Sub Probe	Vaisala	Sub-Surface Probe
St. Louis/St. Charles	I-70	230.40	EB	Regional	I70 @ Missouri River (Blanchette Bridge)	Air Sensor (AT/RH)	RM Young AT/RH	RM Young	41382 & 41342
						Wind Sensor	RM Young WS/WD	RM Young	05103-15
					N38.7628440	Precipitation Sensor	DSP OWI	OSI	OWI-430
					W090.4774920	Visibility	DSP OWI	OSI	OWI-430
						Subsurface Sensor	Sub Probe	SSI	Sub-Surface Probe
						Surface Sensor I70 WB Approach	Surface Sensor	SSI	FP-2000
						Surface Sensor I70 WB Approach	Ground Hog	NMI	GH G-10
						Surface Sensor I70 WB Deck Center	Surface Sensor	SSI	FP-2000
Franklin	MO 100		EB	Local	MO 100, New Haven (near Park Dr)	Air temperature	Vaisala	Vaisala	HMP 155
					N38.60050	Relative Humidity	Vaisala	Vaisala	HMP 155
					W091.22533	Surface Sensor	Vaisala	Vaisala	FP-2000
						Subsurface Sensor	Sub Probe	Vaisala	Sub-Surface Probe
Clay	US 169		SB	Regional	US 169 @ BROADWAY BRIDGE KC	Air temperature	Vaisala	Vaisala	HMP 155
						Relative Humidity	Vaisala	Vaisala	HMP 155
					N39.11492	Precipitation Sensor	Vaisala	Vaisala	DRD 11 A
					W094.59100	Wind	Vaisala	Vaisala	WSM 301
						Surface Sensor	Vaisala	Vaisala	FP-2000

County	Route	MM	Dir.	Type	Site Name - Latitude and Longitude	Sensor	Name Brand	Manufacturer	Model #
St. Louis	I-255	3.40	EB	Local	I255, JB Bridge	Air temperature	Vaisala	Vaisala	HMP 155
						Relative Humidity	Vaisala	Vaisala	HMP 155
					N38.48778	Wind	Vaisala	Vaisala	WSM 301
					W090.28075	Surface Sensor	Vaisala	Vaisala	FP-2000
						Surface Sensor	Vaisala	Vaisala	FP-2000
						Subsurface Sensor	Sub Probe	Vaisala	Sub-Surface Probe