

APPENDIX B

Summary of Survey Results

The survey was issued to the state and provincial maintenance engineers in US and Canada 49 responses from 42 US state departments of transportation (DOT) and 7 Canadian provincial ministries of transportation (MOT), yielding a response rate of 84% and 70% respectively. The responses are shown in the following tables. It must be noted that many of the surveys were incomplete. In a number of cases the survey was partially completed via a telephone call with a state or province that did not return the on-line survey.

State	Question 1:	Question 3: What is your approximate annual budget for pavement maintenance:	Question 4: For each of the below treatments, check the ones that you use on gravel	Question 4: Regrading/Regravel	Question 4: Dust palliative	Question 4: Otta seal	Question 4: Other,	Question 5: For each of the below treatments, check the ones which are used on	Question 5: Fog seal	Question 5: Slurry seal	Question 5: Chip seal	Question 5: Microsurfacing	Question 5: Hot patches	Question 5: Cold patches	Question 5: Asphalt level-up	Question 5: Thin overlay	Question 5: Other	Question 6: For each of the below treatments, check the ones which are used on	Question 6: Fog seal	Question 6: Slurry seal	Question 6: Chip seal	Question 6: Microsurfacing	Question 6: Hot patches	Question 6: Cold patches	Question 6: Asphalt level-up	Question 6: Thin overlay	specify
ND																											
NH	36		X									X		X	X				X		X	X	X			X	
NJ	79								X		X			X	X	crack seal			X		X				X	X	crac
NM	45		X			Spreading Asp		X	X	X	X	X	X	X	X	crack seal; Hot		X	X	X	X	X	X	X		X	crac
NV	120																	X		X	X	X	X	X	X		
NY	183							X	X	X	X	X	X	X	X	crack seal			X	X	X	X	X	X	X	X	crac
OH	540																	X	X	X	X	X	X	X	X	crac	
OK	80							X		X					X			X		X	X	X	X	X	X	X	ultra
PA	1700					Pave				X		X	X	X	X						X	X	X	X	X	X	
RI																											
SC	114		X							X	X	X	X	X	X						X	X	X	X	X	X	
TN																											
TX	1200							X	X	X	X		X	X	X				X	X	X	X	X	X	X	X	
UT	45		X					X		X		X	X	X	X	crack seal			X	X	X	X	X	X	X	X	crac
VA	200		X	X					X	X		X	X						X		X	X	X	X	X	X	
VT																											
WA	137							X		X		X	X	X	X	crack seal			X	X	X		X		X	X	crac
WI																											
WV																											
WY																											

	Question 7: For each of the below treatments, check the ones which are used on	Question 7: Joint sealing	Question 7: Shotblasting	Question 7: Mud jacking	retrofit	grinding	Question 7: Milling overlay (whitetop)	Question 7: Other	Question 8: For each of the below treatments, check the ones which are used on	Question 8: Fog seal	Question 8: Slurry seal	Question 8: Chip seal	Question 8: Microsurfacing	Question 8: Hot patches	Question 8: Cold patches	up	Question 8: Thin overlay	Question 8: Other	Question 9: Does your agency use environmental performance to select	Question 9: Additional Comment	Question 10: Do you have an agency-wide "sustainability" program	Question 10: Additional Comment	Question 11: Indicate those program features that differentiate it as	Question 11: How do you measure "sustainability"
AK																			No		No	Beginning use of warm m		
AL																			No		No			
AR																			No		No			
AZ																			No		No			
CA		X	x	x	x		x	x			x	x	x	x		x			No		No			
CO		X		X	X	X	X					X		X			X		No		No			
CT						X								X	X	X	X	crack	No		No			
DE																			No		No			
FL		X				X		Full depth repairs									X	Thin	Yes	Durabil	Yes	The m	Life cycle	Treatm
GA		X		X	X	X		crack seal			X	X		X			X	crack	No		No			
HI																			No		No			
IA																			No		No			
ID																			No		No			
IL																			No		No			
IN		X		X	X	X	X	crack seal	X	X	X	X	X	X	X	X	X	crack	No		No			
KS		X	X	X	X	X	X	crack seal; Full & Partia	X	X	X	X	X	X	X	X	X	crack	No		No			
LA		X	X					crack seal		X	X	X	X	X	X	X	X	crack	No		No	We are concerned about		
MI						X													No		No			
MI																			No		No			
MN		X			X	X	X		X		X	X	X	X	X	X	X		No		No			
MO		X		X	X	X	X	We have done	X	X	X	X	X	X	X	X	X		No		Yes	Limited	See comm	We hav
NC		X		X		X													No		No			

	Question 7: For each of the below treatments, check the ones which are used on	Question 7: Joint sealing	Question 7: Shotblasting	Question 7: Mud jacking	retrofit	grinding	Question 7: Milling (whitetop)	Question 7: Other	Question 8: For each of the below treatments, check the ones which are used on	Question 8: Fog seal	Question 8: Slurry seal	Question 8: Chip seal	Question 8: Microsurfacing	Question 8: Hot patches	Question 8: Cold patches	Question 8: Asphalt level-up	Question 8: Thin overlay	Question 8: Other	Question 9: Does your agency use environmental performance to select	Question 9: Additional Comment	Question 10: Do you have an agency-wide "sustainability" program that includes	Question 10: Additional Comment	Question 11: Indicate those program features that differentiate it as	Question 11: How do you measure "sustainability"
ND																			No		No			
NH													X	X		X			No		No			
NJ		X			X	X	X		crack seal				X	X		X	X	crack	No		No		We are incorporating mo	
NM									crack seal								crack	No		No				
NV		X		X	X	X			crack seal										No		No			
NY		X			X	X		X	crack seal		X	X	X	X	X	X	X	crack	No		Yes	Green	it consider ??	
OH					X	X			asphalt overla	X	X	X	X	X	X	X	X	crack	No		No		initiative included in 2010	
OK		X		X		X				X		X	X	X		X	X		No		No			
PA		X		X	X	X	X					X	X			X			No		No			
RI																			No		No			
SC		X			X	X			crack seal			X	X	X	X	X	X	crack	No		No			
TN																			No		No			
TX		X	X	X	X	X	X			X		X	X	X	X	X	X		Yes		Yes		Not sure	Not sur
UT		X		X	X	X			crack seal	X		X	X	X	X	X	X	crack	No		No			
VA		X				X						X	X		X	X			No		No			
VT																			No		No			
WA		X	X		X	X			crack seal										No		No			
WI																			No		No			
WV																			No		No			
WY																			No		No			

	Question 12: We use the following methods to collect sustainability data:	Question 12: We use the following methods to analyze sustainability data:	Question 12: We use the following methods to analyze sustainability data:	Question 13: Does your agency have sustainable maintenance	Question 13: If yes, for what practices?	Question 14: For purposes of this survey: "Recycled Materials" are defined as	Question 14: Additional Comment	Question 15: For purposes of this survey: "Alternative Materials" are defined as	Question 15: Additional Comment	Question 16: Please indicate which of the following recycled or shingles	Question 16: Coal tar	Question 16: Glass cullet	rubber	carbon	Question 16: Foundry sand	Question 16: Fly ash	Question 17: If your agency utilizes other recycled materials than the
AK				No		Yes		Yes					3				RAP
AL				No		No	???	No	???								
AR				No		No	??	No	??								
AZ				No		Yes	??	No	??								
CA				No		Yes	We use r	Yes	We are writing a	3			3				4 Blast furn
CO				No		Yes		Yes	glass only as long as it mee	4		4	3		4	4	
CT				No		Yes		Yes				3					
DE				No		Yes	??	No	??								
FL	Pay item	Databases	Annual re	If yes, for	Asphalt ar	Yes		Yes	If sufficient quantities of accep				3				4 Recycled I
GA				No		Yes		Yes		3			3				4
HI				No		No	???	No	???								
IA				No		No	??	No	??								
ID				No		No	??	No	??								
IL				No		No	??	No	??								
IN				Yes		Yes	We allow	Yes	recycled asphalt sh	3			3				4 AC iron/st
KS				No		Yes		Yes		3			3	3	4	4	4 RAP; Fract
LA				No		Yes	RAP	No									4
MI				Don't know		Yes		No									4
MI				No		No	??	No	??								
MN				No		Yes		Yes		3		1					4
MO	MoDOT "Tracker" (quarterly pe			If yes, for	Recycled a	Yes		Yes	Recycled Asphalt \$	3			3				4
NC				No		Yes		Yes		3			3				4 RAP-Recy

	Question 12: We use the following methods to collect sustainability data:	Question 12: We use the following methods to analyze sustainability data:	Question 12: ; We use the following methods to analyze sustainability data:	Question 13: Does your agency have sustainable maintenance	Question 13: If yes, for what practices?	Question 14: For purposes of this survey: "Recycled Materials" are defined as	Question 14: Additional Comment	Question 15: For purposes of this survey: "Alternative Materials" are defined as	Question 15: Additional Comment	Question 16: Please indicate which of the following recycled or alternative shingles	Question 16: Coal tar	Question 16: Glass cullet	rubber	carbon	Question 16: Foundry sand	Question 16: Fly ash	Question 17: If your agency utilizes other recycled materials than the
ND				No		No	??	No	??								
NH				No		Yes	Recycle As	Yes	A new specifaction	3							
NJ				No		Yes		Yes		3	3	3	3			4	
NM				No		Yes	Recycled	Yes	Use of Coal Tar is not a	3		3				4	
NV				No		Yes	old-in-pla	Yes					3			4	
NY	??	??	??	No		Yes	Recycled	Yes	Recycled glass allowed in f	3	3					4	
OH				No		Yes		Yes		3			3			4	asphalt is
OK				No		Yes		Yes		2	2		2			4	
PA				No		Yes		Yes		3			3	3		4	
RI				No		No	??	No	??								
SC				No		Yes	RAP at 10%	Yes	Recycled glass is a	1		1				4	Blast furn
TN				No		No	??	No	??								
TX	Not sure	Not sure	Not sure	Don't know		Yes		Yes		3			3			2	concrete'
UT				No		Yes		Yes	In our program, we neither spe	3						4	
VA				No		Yes		Yes		3			3			5	
VT				No		No	??	No	??								
WA				No		Yes	RAP, Cond	Yes	AP as base less than 20 percent, RAP as HMA							4	Rap; recyc
WI				No		No	??	No	??								
WV				No		No	??	No	??								
WY				No		No	??	No	??								

	Question 18: Does your agency utilize Pavement Management System (PMS)	Question 18: If yes, in what way?	Question 19: Please furnish your opinion as to how the following practices	Planning	Investigation	Timing	Question 19: Workmanship	Quality and Selection	Control	Assurance	Question 20: How important is noise disturbance during	Question 21: For which of the following does your agency have an operational	Noise;	Noise	Question 21: Traffic Noise	standards in effect	Question 21: Don't know	Question 21: Other	Question 22: Is there an air quality monitoring program/system regulated	Question 22: Other, please specify	Question 23: Does your agency consider water quality in pavement	Question 23: Other, please specify	Question 24: Does your agency provide guidelines in controlling pavement	Question 24: If yes, please specify	Question 25: Does your agency consider energy consumption when
AK	No			2	4	2	4	2	2	2	Neutral		X						Yes		Yes		Yes		Don't know
AL	No																								
AR	No			4	4	4	4	4	4	4	No					X			Don't know		Don't know		Don't know		Don't know
AZ	No										No					X			Don't know		Don't know		Don't know		Don't know
CA	No			1	1	1	1	1	1	2	Very important		x						Yes		Yes		Don't know		No
CO	No			1	1	4	1	1	1	1	Not important					X			Yes		No		Yes		No
CT	Yes	Measure the tot		1	1	1	1	1	1	1	Neutral		X	X					No		Yes		Don't know		No
DE	No										No						X		Don't know		Don't know		Don't know		Don't know
FL	Yes	Service life of re		4	4	1	4	1	1	1	Neutral					X			Don't know	Depart	Yes		Yes		Yes
GA	No			1	1	1	1	1	1	1	Neutral							mu	Yes		Yes		Yes		No
HI	No										No					X			Don't know		Don't know		Don't know		Don't know
IA	No										No					X			Don't know		Don't know		Don't know		Don't know
ID	No										No					X			Don't know		Don't know		Don't know		Don't know
IL	No										No					X			Don't know		Don't know		Don't know		Don't know
IN	Yes	Measure IRI, life		1	1	1	2	1	2	2	Important					X			Yes		Yes		Yes		Yes
KS	No			2	1	1	1	1	1	1	Neutral					X			Yes		Yes		Yes		Yes
LA	No			1	1	1	2	1	2	2	Neutral					X			Yes		Yes		Yes		No
MI	No			1	1	1	1	1	1	1	Neutral								Yes		Don't know		Don't know		Yes
MI	No										No					X			Don't know		Don't know		Don't know		Don't know
MN	No			2	1	2	1	1	2	2	Important					X		No	Yes		Yes		Don't know		Yes
MO	No			1	1	1	1	1	1	1	Neutral					X			Yes		Yes		Yes		No
NC	No			1	1	1	1	1	1	1	Neutral					X			Yes		No		No		No

	Question 18: Does your agency utilize Pavement Management System (PMS)	Question 18: If yes, in what way?	Question 19: Please furnish your opinion as to how the following practices promote	Planning	Investigation	Timing	Question 19: Workmanship	Quality and Selection	Question 19: Quality Control	Assurance	Question 20: How important is noise disturbance during pavement maintenance	Question 21: For which of the following does your agency have an operational	Noise;	Noise	Question 21: Traffic Noise	standards in effect	Question 21: Don't know	Question 21: Other	Question 22: Is there an air quality monitoring program/system regulated	Question 22: Other, please specify	Question 23: Does your agency consider water quality in pavement	Question 23: Other, please specify	Question 24: Does your agency provide guidelines in controlling pavement	Question 24: If yes, please specify	Question 25: Does your agency consider energy consumption when selecting
ND	No																								
NH	Yes	Deighton - dTIM		2	1	1	1	1	2	2	Not even considered				X				Dont know		No		No		Additional
NJ	No			1	1	1	1	1	1	1	Neutral				X				Dont know		No		No		Yes
NM	No			1	1	1	1	1	1	1	Very important				X				Yes		Yes		Yes		Yes
NV	No			1	2	1	1	1	2	2	Very important	X	X						Yes		Yes		Yes		No
NY	No			1	1	2	2	2	2	2	Not even considered	X							Yes		Yes		Yes		No
OH	No			4	2	1	2	2	1	2	Not important				X				Yes		Yes		Yes		Don't know
OK	Yes			1	1	1	1	1	1	2	Not even considered			X					No		No		No		No
PA	No			1	1	1	1	1	1	1	Not even considered				X				Yes		No		Yes	Proper	No
RI	No										No				X				Dont know		Don't know		Don't know		Don't know
SC	No			1	1	1	1	1	1	1	Neutral				X		1) C		Yes		No		No		No
TN	No																								
TX	No			4	4	4	4	4	4	4	Important			X					Dont know		Yes		Yes		Yes
UT	No			1	1	1	1	1	1	1	Neutral	X							Yes		Yes		Yes		No
VA	No			1	1	1	1	1	1	1	Important				X				Yes		No		Yes		No
VT	No										No				X				Dont know		Don't know		Don't know		Don't know
WA	Yes	Eastern Washing		1	1	1	1	1	1	1	Very important	X	X						Yes		Yes		Yes		No
WI	No																								
WV	No										No				X				Dont know		Don't know		Don't know		Don't know

	Question 26: Which of the below lists of pavement performance indicators,	Roughness Index (IRI)	Condition Index (PCI)	Quality Index (PQI)	Manifestation Index (DMI)	Comfort Index (RCI)	Distress	Question 26: Index (SDI) number	Question 26: No indicators	Question 26: Other	Question 27: Please rate the following treatments with regard to	Question 27: Crack seal	Question 27: Fog Seal	Question 27: Slurry Seal	Microsurfacing	Question 27: Chip Seal	Question 27: Hot patching	Question 27: Cold patching	Question 27: Thin overlay	Question 28: Please rate the following treatments with regard to	Question 28: Crack Sealing	Question 28: Joint Sealing	Topping	Question 28: Diamond Grinding	Question 28: Shotblasting	Question 28: Partial Depth Repair	Question 28: Thin PCC overlay	Question 29: Would you be filling to share a case study on one or more sustainable	
AK	X	X								rut depth	2	6	6	6	1	2	3	2			6	6	6	6	6	6	6	6	No
AL											5	5	5	5	5	5	5	5			5	5	5	5	5	5	5	5	No
AR											5	5	5	5	5	5	5	5			5	5	5	5	5	5	5	5	No
AZ											5	5	5	5	5	5	5	5			5	5	5	5	5	5	5	5	No
CA	x							x		visual	5	5	5	5	5	5	5	5			5	5	5	5	5	5	5	5	No
CO	X	X									2	5	5	5	1	3	6	2			5	2	3	1	3	3	3	3	No
CT	X	X								PCI is defined	2	6	6	6	6	3	4	2			6	6	6	2	6	2	6	6	No
DE											5	5	5	5	5	5	5	5			5	5	5	5	5	5	5	5	No
FL						X		X		Ride Number,	6	6	6	6	6	3	3	2			2	2	4	2	6	6	6	6	No
GA	X							X	X		1	6	6	2	1	2	3	1			1	1	2	2	6	3	2	2	No
HI											5	5	5	5	5	5	5	5			5	5	5	5	5	5	5	5	No
IA											5	5	5	5	5	5	5	5			5	5	5	5	5	5	5	5	No
ID											5	5	5	5	5	5	5	5			5	5	5	5	5	5	5	5	No
IL											5	5	5	5	5	5	5	5			5	5	5	5	5	5	5	5	No
IN	X							X			2	3	6	2	2	2	2	2			3	3	6	3	6	3	6	6	No
KS	X	X						X	X		2	6	6	1	1	2	2	1			2	2	1	1	1	2	6	6	No
LA	X							X			5	6	5	5	5	5	5	5			5	5	5	6	5	5	5	5	No
MI	X	X						X			2	2	6	2	2	2	3	2			2	2	2	2	2	2	2	2	No
MI											5	5	5	5	5	5	5	5			5	5	5	5	5	5	5	5	No
MN	X		X			X		X			3	2	6	2	2	3	3	3			3	3	2	2	6	3	2	2	No
MO	X	X						X			3	3	3	3	3	3	3	3			3	3	3	3	3	3	3	3	No
NC	X	X				X	X	X			2	2	2	2	2	2	2	2			2	2	2	2	6	2	2	2	No

	Roughness Index (IRI)	Condition Index (PCI)	Quality Index (PQI)	Manifestation Index (DMI)	Index (RCI)	Question 26: Surface Distress	Question 26: Index (SDI)	number	Question 26: No indicators	Question 26: Other	Question 27: Please rate the following treatments with regard to sustainability	Question 27: Crack seal	Question 27: Fog Seal	Question 27: Slurry Seal	Question 27: Microsurfacing	Question 27: Chip Seal	Question 27: Hot patching	Question 27: Cold patching	Question 27: Thin overlay	Question 28: Please rate the following treatments with regard to sustainability for	Question 28: Crack Sealing	Question 28: Joint Sealing	Question 28: White Topping	Question 28: Diamond Grinding	Question 28: Shotblasting	Question 28: Partial Depth Repair	Question 28: Thin PCC overlay	Question 29: Would you be filling to share a case study on one or more sustainable	
ND											5	5	5	5	5	5	5	5	5		5	5	5	5	5	5	5	5	No
NH	X				X	X					2	6	6	1	2	3	4	2			6	6	6	6	6	6	6	6	No
NJ	X						X	X			5	6	6	5	5	5	5	5	5		5	5	5	5	6	5	5	5	No
NM	X									Pavement Ser	2	2	2	2	2	2	2	2	2		2	2	6	2	6	2	2	2	Yes
NV	X	X						X			5	5	5	5	5	5	5	5	5		5	5	5	5	5	5	5	5	No
NY	X									Sufficiency Scd	2	2	2	2	2	3	2	3			1	1	2	2	6	2	2	2	Yes
OH										pavement con	4	3	3	3	1	2	2	1			4	4	6	3	6	3	6	6	No
OK	X	X	X			X		X			3	4	6	3	1	2	3	1			2	2	6	2	6	6	6	6	No
PA	X	X				X		X			1	6	6	1	1	1	1	1			1	1	2	1	6	1	6	6	No
RI											5	5	5	5	5	5	5	5			5	5	5	5	5	5	5	5	No
SC	X		X			X	X				5	5	5	5	5	5	5	5			5	5	5	5	5	5	5	5	No
TN											5	5	5	5	5	5	5	5			5	5	5	5	5	5	5	5	No
TX	X	X	X			X		X																					
UT	X							X		We have our c	2	2	2	2	2	3	4	2			2	2	2	2	3	3	3	3	No
VA	X	X						X			3	2	2	2	2	3	3	2			3	2	5	2	5	2	5	5	No
VT											5	5	5	5	5	5	5	5			5	5	5	5	5	5	5	5	No
WA	X							X		WSDOT uses r	2	4	3	4	3	3	3	2			4	4	4	2	3	2	3	3	Yes
WI											5	5	5	5	5	5	5	5			5	5	5	5	5	5	5	5	No
WV											5	5	5	5	5	5	5	5			5	5	5	5	5	5	5	5	No
WY											5	5	5	5	5	5	5	5			5	5	5	5	5	5	5	5	No

Canadian Responses

	Question 1:	Question 3: What is your approximate annual budget for pavement maintenance:	Question 4: For each of the below treatments, check the ones that you use on	Question 4: Regrading/Regravel	Question 4: Dust palliative	Question 4: Otta seal	Question 4: Other,	Question 5: For each of the below treatments, check the ones which are used on	Question 5: Fog seal	Question 5: Slurry seal	Question 5: Chip seal	Question 5: Microsurfacing	Question 5: Hot patches	Question 5: Cold patches	Question 5: Thin overlay	Question 5: Other	Question 6: For each of the below treatments, check the ones which are used on	Question 6: Fog seal	Question 6: Slurry seal	Question 6: Chip seal	Question 6: Microsurfacing	Question 6: Hot patches	Question 6: Cold patches	Question 6: Thin overlay	specify	
AB		294		X	X									X				X	X	X	X	X		X	Spra	
MB		30								X		X	X	X	X	crack seal				X	X	X	X	X	X	crac
NB		103								X		X								X					crac	
NS				X	X							X	X						X	X	X	X	X	X		
ON		45		X	X					X						crack seal		X	X	X	X	X	X	X	crac	
SK		160		X	X		gravel blading	X	X	X	X	X	X	X	X	crack seal Sand	X	X	X	X	X	X	X	X	crac	
YT		3		X	X					X						surface replacement -		X					X	X		
	Question 7: For each of the below treatments, check the ones which are used on	Question 7: Joint sealing	Question 7: Shotblasting	Question 7: Mud jacking	retrofit	grinding	Question 7: Milling	overlay (whitetop)	Question 7: Other	Question 8: For each of the below treatments, check the ones which are used on	Question 8: Fog seal	Question 8: Slurry seal	Question 8: Chip seal	Question 8: Microsurfacing	Question 8: Hot patches	Question 8: Cold patches	up	Question 8: Thin overlay	Question 8: Other	Question 9: Does your agency use environmental performance to select	Question 9: Additional Comment	Question 10: Do you have an agency-wide "sustainability" program	Question 10: Additional Comment	Question 11: Indicate those program features that differentiate it as	Question 11: How do you measure "sustainability"	
AB		X	X	X	X	X														No		No				
MB		X		X	X			crack seal				X	X	X	X	X	X	X	crac	No		Yes		Maintaini	f the su	
NB																				No		No				
NS		X	X	X	X															No		No				
ON		X	X	X	X			crack seal		X		X	X	X			X	crac	No		No			MTO is currently develop		
SK																				No		No				
YT																				No		No				

	Question 12: We use the following methods to collect sustainability data:	Question 12: We use the following methods to analyze sustainability data:	Question 12: ; We use the following methods to analyze sustainability data:	Question 13: Does your agency have sustainable maintenance	Question 13: If yes, for what practices?	Question 14: For purposes of this survey: "Recycled Materials" are defined as	Question 14: Additional Comment	Question 15: For purposes of this survey: "Alternative Materials" are defined as	Question 15: Additional Comment	Question 16: Please indicate which of the following recycled or shingles	Question 16: Coal tar	Question 16: Glass cullet	Question 16: rubber	Question 16: carbon	Question 16: Foundry sand	Question 16: Fly ash	Question 17: If your agency utilizes other recycled materials than the
AB				No		Yes	All paving	Yes	Iterative materials are allowed				3				4
MB	Manual cr	Database	Performa	Don't know		Yes		Yes									4
NB				No		Yes		No									
NS				No		Yes		Yes					3				4
ON				No		Yes		Yes					3				4 PCC Blast
SK				No		Yes	RAP	Yes	tire rubber fly ash				3				3
YT				No		Yes		No									

	Question 18: Does your agency utilize Pavement Management System (PMS)	Question 18: If yes, in what way?	Question 19: Please furnish your opinion as to how the following practices promote	Planning	Investigation	Timing	Question 19: Workmanship	Quality and Selection	Control	Assurance	Question 20: How important is noise disturbance during pavement maintenance	Question 21: For which of the following does your agency have an operational	Noise;	Noise	Question 21: Traffic Noise	standards in effect	Question 21: Don't know	Question 21: Other	Question 22: Is there an air quality monitoring program/system regulated	Question 22: Other, please specify	Question 23: Does your agency consider water quality in pavement	Question 23: Other, please specify	Question 24: Does your agency provide guidelines in controlling pavement	Question 24: If yes, please specify	Question 25: Does your agency consider energy consumption when
AB	No	We do not promote sustainability in our progr									Not even considered	X	X					ote	Yes		No		No		No
MB	No			1	1	1	1	1	1	1	Important				X				Yes		Don't know		Don't know		Don't know
NB	No										No opinion				X				Yes		No		No		Yes
NS	No			1	2	1	3	1	3	3	Neutral		X						Yes		Yes		Yes		No
ON	No			1	1	1	2	1	2	1	Neutral							The	Yes		Yes		Yes		No
SK	No			1	1	1	1	1	1	1	Neutral				X				Yes		No		Yes		Yes
YT	No			1	1	1	1	1	1	1	Not even considered				X				Yes		No		No		Yes

	Roughness Index (IRI)	Condition Index (PCI)	Quality Index (PQI)	Manifestation Index (DMI)	Index (RCI)	Distress	Question 26: Index (SDI) number	Question 26: No indicators	Question 26: Other	Question 27: Please rate the following treatments with regard to sustainability	Question 27: Crack seal	Question 27: Fog Seal	Question 27: Slurry Seal	Question 27: Microsurfacing	Question 27: Chip Seal	Question 27: Hot patching	Question 27: Cold patching	Question 27: Thin overlay	Question 28: Please rate the following treatments with regard to sustainability for	Question 28: Crack Sealing	Question 28: Joint Sealing	Question 28: White Topping	Question 28: Diamond Grinding	Question 28: Shotblasting	Question 28: Partial Depth Repair	Question 28: Thin PCC overlay	Question 29: Would you be willing to share a case study on one or more sustainable
AB	X	X	X			X	X				5	5	6	5	5	5	5	5		5	5	6	5	6	5	5	No
MB	X	X									3	6	6	2	2	2	3	2		3	3	6	2	6	2	6	No
NB	X				X		X				1	6	6	1	1	1	1	1		5	5	6	6	6	6	6	No
NS	X	X		X		X					2	2	6	2	2	2	2	2		6	2	6	3	6	3	6	No
ON		X		X	X				Maintenance	rutting crackin	1	6	2	2	2	3	3	3		1	1	2	2	2	3	3	No
SK	X										3	3	3	3	3	3	3	3		6	6	6	6	6	6	6	Yes
YT		X									5	6	6	6	5	6	5	3		6	6	6	6	6	6	6	No