

IDOT Office of Intermodal Project Implementation – Aeronautics
Airport Pavement Management System
 Lansing Municipal Airport, Lansing
 2023 PCI Summary Information

Airport Name	Branch ID	Section ID	Surface Type ¹	Inspection Date	2023 PCI	Percent of Distress Due to:			Type of Distresses ⁴	Total No. of Samples	No. Samples Inspected	Percent Samples Inspected ⁵
						Climate/ Durability ²	Load ³	Other				
Lansing Municipal Airport	18IGQ	1	AAC	10-03-2023	100	0	0	0	No distress	52	7	13%
	9IGQ	1	PFC	07-18-2023	58	100	0	0	L&T Cracking, Raveling	24	6	25%
	9IGQ	2	PFC	07-18-2023	61	100	0	0	L&T Cracking, Raveling	2	2	100%
	9IGQ	3	PFC	07-18-2023	63	100	0	0	L&T Cracking, Raveling	16	5	31%
	AIGQ	1	AAC	07-18-2023	93	100	0	0	Patching, Weathering	22	7	32%
	AIGQ	2	AAC	07-18-2023	39	38	62	0	L&T Cracking, Patching, Rutting, Weathering	1	1	100%
	BIGQ	1	AAC	10-03-2023	100	0	0	0	No distress	20	5	25%
	BIGQ	2	AAC	10-03-2023	100	0	0	0	No distress	6	4	67%
	CIGQ	1	AAC	07-18-2023	69	64	36	0	Alligator Cracking, L&T Cracking, Weathering	1	1	100%
	CIGQ	2	AAC	07-18-2023	94	100	0	0	Weathering	1	1	100%
	CIGQ	3	AC	07-18-2023	59	100	0	0	L&T Cracking, Raveling, Weathering	2	2	100%
	CIGQ	4	AAC	07-18-2023	92	100	0	0	Patching, Weathering	1	1	100%
	EIGQ	1	AAC	07-18-2023	94	100	0	0	Weathering	1	1	100%
	FIGQ	1	AAC	07-18-2023	94	100	0	0	Weathering	1	1	100%
	FIGQ	2	AAC	07-18-2023	94	100	0	0	Weathering	1	1	100%
	FIGQ	3	AAC	07-18-2023	94	100	0	0	Weathering	1	1	100%
	GIGQ	1	AAC	10-03-2023	100	0	0	0	No distress	23	6	26%
	GIGQ	2	AAC	07-18-2023	94	100	0	0	Weathering	1	1	100%
	GIGQ	3	AAC	07-18-2023	94	100	0	0	Weathering	1	1	100%
	GIGQ	4	AC	07-18-2023	45	74	26	0	Alligator Cracking, L&T Cracking, Raveling, Weathering	2	2	100%
	HIGQ	1	AAC	07-18-2023	94	100	0	0	Weathering	1	1	100%
	HIGQ	2	PCC	07-18-2023	88	100	0	0	Joint Seal Damage	1	1	100%
	J1IGQ	1	AAC	10-03-2023	100	0	0	0	No distress	1	1	100%
	K1IGQ	1	AAC	10-03-2023	100	0	0	0	No distress	1	1	100%
	LIGQ	1	AAC	10-03-2023	100	0	0	0	No distress	1	1	100%
	M1IGQ	1	AAC	10-03-2023	100	0	0	0	No distress	1	1	100%
	RIGQ	1	PCC	07-18-2023	68	23	42	35	Corner Spalling, Faulting, Joint Spalling, Joint Seal Damage, Large Patch, LTD Cracking, Shattered Slab, Corner Break	36	8	22%
	RIGQ	2	PCC	07-18-2023	84	58	12	30	Corner Spalling, Joint Spalling, Joint Seal Damage, LTD Cracking, Scaling	43	8	19%
	RIGQ	3	PCC	07-18-2023	81	62	14	24	Corner Spalling, Faulting, Joint Spalling, Joint Seal Damage, LTD Cracking, Shrinkage Cracking	26	7	27%
	RIGQ	4	PCC	07-18-2023	81	47	23	30	Corner Spalling, Faulting, Joint Spalling, Joint Seal Damage, LTD Cracking	11	6	55%
	RIGQ	5	AC	07-18-2023	53	90	10	0	Alligator Cracking, L&T Cracking, Raveling, Weathering	4	3	75%

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						Climate/ Durability ²	Load ³	Other				
Lansing Municipal Airport	RIGQ	10	PCC	07-18-2023	83	58	12	30	Joint Spalling, Joint Seal Damage, Large Patch, LTD Cracking, Shrinkage Cracking	14	6	43%
	THIGQ	1	AC	07-18-2023	74	100	0	0	L&T Cracking, Weathering	5	4	80%
	THIGQ	3	AC	07-18-2023	60	100	0	0	L&T Cracking, Raveling, Weathering	3	3	100%
	THIGQ	4	AC	07-18-2023	61	100	0	0	L&T Cracking, Raveling, Weathering	3	3	100%
	THIGQ	5	AC	07-18-2023	53	100	0	0	L&T Cracking, Raveling, Weathering	3	3	100%
	THIGQ	6	AC	07-18-2023	39	100	0	0	L&T Cracking, Raveling, Weathering	5	4	80%
	THIGQ	7	AC	07-18-2023	38	100	0	0	L&T Cracking, Raveling	3	3	100%
	THIGQ	8	AC	07-18-2023	38	100	0	0	L&T Cracking, Raveling	3	3	100%
	THIGQ	9	AC	07-18-2023	37	100	0	0	L&T Cracking, Raveling	3	3	100%
	THIGQ	1-1	AC	07-18-2023	65	79	0	21	Depression, L&T Cracking, Swelling, Weathering	5	4	80%
	THIGQ	2-2	AAC	07-18-2023	65	100	0	0	L&T Cracking, Weathering	4	3	75%

NOTES:

¹ Surface Type: AC = asphalt cement concrete; AAC = asphalt overlay on AC; PFC = porous friction course; PCC = portland cement concrete; APC = asphalt overlay on PCC.

² Distresses due to climate or durability include those distresses attributed to either the aging of the pavement and the effects of the environment (such as weathering, raveling, or block cracking on asphalt pavements) or to a materials-related problem (such as durability cracking on a PCC pavement).

³ Distresses due to load include those distresses attributed to a structural deficiency in the pavement, such as alligator cracking, rutting, or shattered PCC slabs.

⁴ L&T Cracking = Longitudinal and Transverse Cracking; LTD Cracking = Longitudinal, Transverse, and Diagonal Cracking; ASR = Alkali-Silica Reaction.

⁵ Percent Samples Inspected is calculated by dividing the No. Samples Inspected by the Total No. of Samples.