

IDOT Office of Intermodal Project Implementation – Aeronautics
Airport Pavement Management System
University of Illinois/Willard Airport, Champaign/Urbana
2024 PCI Summary Information

Airport Name	Branch ID	Section ID	Surface Type ¹	Inspection Date	2024 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				
University of Illinois/Willard Airport	14LCMI	1	PCC	6/5/2024	73	34	12	54	Corner Spalling, Faulting, Joint Spalling, Joint Seal Damage, LTD Cracking, Shrinkage Cracking	38	8	21%
	14LCMI	2	PCC	6/5/2024	76	38	13	49	Corner Spalling, Faulting, Joint Spalling, Joint Seal Damage, LTD Cracking, Shrinkage Cracking	42	9	21%
	14LCMI	3	APC	6/5/2024	34	100	0	0	Block Cracking, Joint Reflection Cracking, L&T Cracking, Weathering	105	11	10%
	14LCMI	4	APC	6/5/2024	32	93	7	0	Alligator Cracking, Block Cracking, Joint Reflection Cracking, L&T Cracking, Weathering	48	7	15%
	14LCMI	5	PCC	6/5/2024	73	33	33	34	Corner Break, Corner Spalling, Joint Spalling, Joint Seal Damage, LTD Cracking, Shrinkage Cracking	3	3	100%
	14RCMI	1	AC	6/5/2024	54	71	28	1	Alligator Cracking, L&T Cracking, Swelling, Weathering	34	7	21%
	14RCMI	2	AC	6/5/2024	54	76	24	0	Alligator Cracking, L&T Cracking, Weathering	14	5	36%
	14RCMI	3	AAC	6/7/2024	71	100	0	0	L&T Cracking, Raveling, Weathering	1	1	100%
	14RCMI	4	AAC	6/7/2024	80	100	0	0	L&T Cracking, Weathering	2	2	100%
	4CMI	1	AC	6/5/2024	88	100	0	0	L&T Cracking, Raveling, Weathering	108	11	10%
	4CMI	2	APC	6/5/2024	89	61	39	0	Alligator Cracking, L&T Cracking, Weathering	6	4	67%
	4CMI	3	APC	6/5/2024	75	83	17	0	Alligator Cracking, L&T Cracking, Weathering	6	4	67%
	4CMI	4	AC	6/5/2024	88	100	0	0	L&T Cracking, Raveling, Weathering	66	7	11%
	A1CMI	1	PCC	6/7/2024	64	4	10	86	ASR, Corner Spalling, Joint Seal Damage, LTD Cracking	5	4	80%
	A2CMI	1	AC	10/5/2024	100	0	0	0	No Distress	2	2	100%
	A3CMI	1	PCC	6/6/2024	73	37	0	63	ASR, Joint Seal Damage, Shrinkage Cracking	1	1	100%
	A3CMI	2	PCC	6/7/2024	59	24	20	56	ASR, Corner Break, Corner Spalling, Joint Spalling, Joint Seal Damage, LTD Cracking	4	3	75%
	A3CMI	3	APC	6/6/2024	31	100	0	0	Block Cracking, Joint Reflection Cracking, Weathering	1	1	100%
	A4CMI	1	PCC	6/7/2024	36	9	9	82	ASR, Corner Spalling, Joint Seal Damage, Large Patch, LTD Cracking, Popouts, Small Patch	3	3	100%
	A5CMI	1	AC	6/6/2024	43	49	51	0	Alligator Cracking, L&T Cracking, Raveling, Weathering	4	3	75%
	A5CMI	2	PCC	6/6/2024	99	85	0	15	Joint Spalling, Joint Seal Damage	13	5	38%
	A6CMI	1	APC	6/6/2024	45	100	0	0	Block Cracking, Joint Reflection Cracking, L&T Cracking, Weathering	8	4	50%

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University of Illinois/Willard Airport	A7CMI	1	APC	6/6/2024	43	100	0	0	Block Cracking, Joint Reflection Cracking, L&T Cracking, Weathering	5	4	80%
	ACMI	1	APC	6/6/2024	24	74	21	5	Alligator Cracking, Block Cracking, Joint Reflection Cracking, L&T Cracking, Patching, Swelling, Weathering	20	6	30%
	ACMI	2	APC	6/6/2024	22	77	23	0	Alligator Cracking, Block Cracking, Joint Reflection Cracking, L&T Cracking, Patching, Raveling, Weathering	30	6	20%
	ACMI	3	APC	6/5/2024	26	82	18	0	Alligator Cracking, Block Cracking, Joint Reflection Cracking, Raveling, Weathering	4	3	75%
	ACMI	4	AC	6/6/2024	71	76	24	0	Alligator Cracking, L&T Cracking, Raveling, Weathering	6	3	50%
	ACMI	5	AC	10/5/2024	100	0	0	0	No Distress	13	5	38%
	B1CMI	1	PCC	6/6/2024	96	0	0	100	Corner Spalling, Joint Spalling, Shrinkage Cracking	69	4	6%
	B1CMI	2	APC	6/6/2024	89	100	0	0	Joint Reflection Cracking, Weathering	2	2	100%
	BCMI	1	PCC	6/6/2024	26	10	48	42	ASR, Joint Seal Damage, LTD Cracking, Shattered Slab	8	4	50%
	BCMI	2	PCC	6/6/2024	56	20	0	80	ASR, Joint Spalling, Joint Seal Damage, Small Patch	5	4	80%
	BCMI	3	PCC	6/6/2024	69	36	2	62	ASR, Corner Break, Corner Spalling, Joint Spalling, Joint Seal Damage, Large Patch, Scaling, Shrinkage Cracking, Small Patch	13	6	46%
	BCMI	4	PCC	6/7/2024	69	30	0	70	ASR, Joint Spalling, Joint Seal Damage	5	4	80%
	BCMI	5	APC	6/7/2024	32	100	0	0	Block Cracking, Joint Reflection Cracking, Weathering ⁶	1	1	100%
	BCMI	6	APC	6/7/2024	30	100	0	0	Block Cracking, Joint Reflection Cracking, Raveling, Weathering	2	2	100%
	BCMI	7	APC	6/7/2024	43	100	0	0	Block Cracking, Weathering	1	1	100%
	BCMI	8	APC	6/6/2024	90	100	0	0	Joint Reflection Cracking, L&T Cracking, Weathering	2	2	100%
	BCMI	9	AC	10/5/2024	100	0	0	0	No Distress	2	2	100%
	C1CMI	1	AC	6/5/2024	40	59	41	0	Alligator Cracking, L&T Cracking, Weathering	4	3	75%
	C1CMI	2	AC	6/5/2024	63	72	28	0	Alligator Cracking, L&T Cracking, Patching, Weathering	6	4	67%
	C1CMI	3	AC	6/5/2024	47	100	0	0	L&T Cracking, Raveling, Weathering	2	2	100%
	CCMI	1	AC	10/5/2024	100	0	0	0	No Distress	3	3	100%
	CCMI	2	APC	6/5/2024	37	99	0	1	Block Cracking, Joint Reflection Cracking, Raveling, Swelling, Weathering	28	6	21%

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University of Illinois/Willard Airport	CCMI	3	AC	6/5/2024	72	99	0	1	Depression, L&T Cracking, Raveling, Weathering ⁶	14	5	36%
	CCMI	4	AC	6/5/2024	82	100	0	0	L&T Cracking, Weathering	12	5	42%
	CCMI	5	PCC	6/5/2024	66	31	37	32	Corner Break, Faulting, Joint Spalling, Joint Seal Damage, LTD Cracking, Shattered Slab, Shrinkage Cracking, Small Patch	2	2	100%
	CCMI	1-1	APC	6/6/2024	91	100	0	0	L&T Cracking, Weathering	3	2	67%
	CCMI	2-1	APC	6/5/2024	36	100	0	0	Block Cracking, Joint Reflection Cracking, L&T Cracking, Raveling, Weathering	1	1	100%
	D1CMI	1	AC	10/5/2024	100	0	0	0	No Distress	1	1	100%
	D2CMI	1	APC	6/6/2024	67	100	0	0	L&T Cracking, Weathering	1	1	100%
	D3CMI	1	APC	6/6/2024	36	100	0	0	Block Cracking, Patching, Raveling, Weathering	1	1	100%
	DCMI	1	PCC	6/6/2024	32	13	0	87	ASR, Joint Seal Damage	1	1	100%
	DCMI	2	PCC	6/6/2024	51	22	17	61	ASR, Corner Break, Corner Spalling, Faulting, Joint Spalling, Joint Seal Damage, LTD Cracking, Shattered Slab, Shrinkage Cracking	13	7	54%
	DCMI	3	APC	6/6/2024	87	100	0	0	L&T Cracking, Weathering	1	1	100%
	RCMI	1	PCC	6/7/2024	52	21	28	51	ASR, Faulting, Joint Seal Damage, LTD Cracking, Shattered Slab, Shrinkage Cracking, Small Patch	23	7	30%
	RCMI	2	PCC	6/7/2024	51	14	35	51	ASR, Corner Break, Corner Spalling, Faulting, Joint Spalling, Joint Seal Damage, LTD Cracking, Popouts, Shrinkage Cracking, Small Patch	11	6	55%
	RCMI	3	APC	6/7/2024	52	85	0	15	Joint Reflection Cracking, L&T Cracking, Shoving, Weathering	1	1	100%
	RCMI	4	PCC	6/7/2024	90	81	8	11	Corner Break, Corner Spalling, Joint Seal Damage, LTD Cracking, Scaling, Shrinkage Cracking, Small Patch	33	8	24%
	RCMI	5	APC	6/7/2024	31	62	26	12	Alligator Cracking, Block Cracking, Joint Reflection Cracking, Patching, Shoving, Swelling, Weathering	4	3	75%
	RCMI	7	PCC	6/7/2024	46	16	7	77	ASR, Faulting, Joint Spalling, Joint Seal Damage, LTD Cracking, Scaling	9	5	56%
	RCMI	8	PCC	6/7/2024	54	26	8	66	ASR, Faulting, Joint Seal Damage, Large Patch, LTD Cracking, Small Patch	24	8	33%
	RCMI	10	PCC	6/6/2024	91	96	0	4	Joint Spalling, Joint Seal Damage	11	6	55%

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						Climate/ Durability ²	Load ³	Other				
University of Illinois/Willard Airport	RCMI	11	PCC	6/6/2024	82	39	38	23	Corner Break, Corner Spalling, Faulting, Joint Spalling, Joint Seal Damage, LTD Cracking, Pumping, Shattered Slab, Shrinkage Cracking, Small Patch	122	14	11%
	RCMI	12	PCC	6/7/2024	64	18	0	82	ASR, Joint Seal Damage	16	6	38%
	RCMI	2A	APC	6/7/2024	9	81	18	1	Alligator Cracking, Block Cracking, Joint Reflection Cracking, Oil Spillage, Raveling, Weathering	2	2	100%
	RCMI	3A	APC	6/7/2024	6	84	0	16	Block Cracking, Depression, Joint Reflection Cracking, Patching, Raveling, Shoving, Weathering	1	1	100%
	THCMI	1	AAC	6/6/2024	57	51	49	0	Alligator Cracking, L&T Cracking, Raveling, Weathering	1	1	100%
	THCMI	2	AAC	6/6/2024	58	34	65	1	Alligator Cracking, L&T Cracking, Raveling, Swelling, Weathering	3	3	100%
	THCMI	3	AAC	6/6/2024	50	48	51	1	Alligator Cracking, L&T Cracking, Raveling, Swelling, Weathering	2	2	100%
	THCMI	4	AC	6/6/2024	75	75	25	0	Alligator Cracking, L&T Cracking, Patching, Weathering	2	2	100%
	THCMI	5	AC	6/6/2024	65	72	28	0	Alligator Cracking, L&T Cracking, Raveling, Weathering	2	2	100%
	THCMI	1-1	AAC	6/5/2024	59	64	36	0	Alligator Cracking, L&T Cracking, Raveling, Weathering	1	1	100%
	THCMI	1-2	AAC	6/5/2024	74	59	38	3	Alligator Cracking, L&T Cracking, Swelling, Weathering	1	1	100%
	THCMI	1-3	AAC	6/5/2024	69	49	51	0	Alligator Cracking, L&T Cracking, Weathering	1	1	100%

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.

⁶ Bleeding was observed in this section but was not used in the PCI calculation at IDOT's request.