

IDOT Office of Intermodal Project Implementation – Aeronautics
Airport Pavement Management System
 St. Louis Downtown Airport, Cahokia
 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				
St. Louis Downtown Airport	12LCPS	1	PCC	7/11/2024	69	74	3	23	ASR, Blowup, Corner Break, Corner Spalling, Joint Spalling, Joint Seal Damage, Large Patch, LTD Cracking	72	11	15%
	12LCPS	2	PCC	7/11/2024	98	43	0	57	ASR, Joint Seal Damage, Shrinkage Cracking	30	8	27%
	12LCPS	3	PCC	7/11/2024	91	58	0	42	ASR, Joint Seal Damage	4	3	75%
	12RCPS	1	AAC	7/12/2024	60	100	0	0	L&T Cracking, Weathering	110	11	10%
	12RCPS	2	AAC	7/12/2024	61	100	0	0	L&T Cracking, Weathering	30	6	20%
	12RCPS	3	AC	7/12/2024	69	100	0	0	L&T Cracking, Weathering	70	7	10%
	5CPS	1	AAC	7/12/2024	17	92	8	0	Alligator Cracking, Block Cracking, L&T Cracking, Raveling	36	7	19%
	A2CPS	1	PCC	7/11/2024	96	100	0	0	Joint Seal Damage	5	4	80%
	A4CPS	1	PCC	7/11/2024	84	77	0	23	Joint Seal Damage, Scaling, Shrinkage Cracking	1	1	100%
	A6CPS	1	PCC	7/11/2024	100	0	0	0	No Distress	3	3	100%
	ACPS	1	APC	7/12/2024	29	77	0	23	L&T Cracking, Raveling, Swelling, Weathering ⁶	4	3	75%
	ACPS	2	PCC	7/12/2024	81	59	0	41	ASR, Joint Spalling, Joint Seal Damage	2	2	100%
	ACPS	3	PCC	7/11/2024	71	19	0	81	ASR, Corner Spalling, Faulting, Joint Spalling, Joint Seal Damage	8	6	75%
	ACPS	4	PCC	7/11/2024	72	25	16	59	ASR, Corner Spalling, Faulting, Joint Spalling, Joint Seal Damage, LTD Cracking, Scaling, Shrinkage Cracking	10	6	60%
	ACPS	5	PCC	7/11/2024	57	18	2	80	ASR, Faulting, Joint Seal Damage, LTD Cracking, Small Patch	11	7	64%
	ACPS	6	PCC	7/11/2024	100	0	0	0	No Distress	13	6	46%
	B1CPS	1	PCC	7/11/2024	70	19	47	34	ASR, Corner Break, Corner Spalling, Faulting, Joint Spalling, Joint Seal Damage, LTD Cracking, Shattered Slab, Shrinkage Cracking, Small Patch	17	8	47%
	B1CPS	2	AC	7/12/2024	62	100	0	0	L&T Cracking, Weathering	1	1	100%
	B3CPS	1	PCC	7/11/2024	77	40	0	60	ASR, Corner Spalling, Joint Seal Damage, Small Patch	15	6	40%
	B4CPS	1	AAC	7/12/2024	55	85	15	0	Alligator Cracking, L&T Cracking, Weathering	5	4	80%
	B4CPS	2	AAC	7/12/2024	53	99	0	1	Depression, L&T Cracking, Weathering	2	2	100%
	B5CPS	1	PCC	7/11/2024	83	57	0	43	ASR, Corner Spalling, Joint Seal Damage	9	5	56%
	B5CPS	2	AAC	7/11/2024	22	100	0	0	L&T Cracking, Raveling, Weathering	1	1	100%
	B5CPS	3	AAC	7/12/2024	67	100	0	0	L&T Cracking, Raveling, Weathering	1	1	100%
	B6CPS	1	PCC	7/11/2024	70	23	5	72	ASR, Joint Spalling, Joint Seal Damage, LTD Cracking, Shrinkage Cracking	7	4	57%

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St. Louis Downtown Airport	B6CPS	2	AAC	7/11/2024	24	100	0	0	Block Cracking, L&T Cracking, Raveling, Weathering	2	2	100%
	B7CPS	1	PCC	7/11/2024	96	28	61	11	Corner Break, Joint Spalling, Joint Seal Damage, LTD Cracking	8	5	63%
	BCPS	1	AAC	7/12/2024	33	86	11	3	Alligator Cracking, Block Cracking, L&T Cracking, Raveling, Swelling, Weathering ⁶	2	2	100%
	BCPS	2	AAC	7/12/2024	39	83	17	0	Alligator Cracking, L&T Cracking, Weathering	2	2	100%
	BCPS	3	PCC	7/11/2024	72	27	22	51	ASR, Corner Spalling, Faulting, Joint Spalling, Joint Seal Damage, LTD Cracking, Shattered Slab	55	8	15%
	BCPS	4	AAC	7/11/2024	25	81	18	1	Alligator Cracking, Block Cracking, L&T Cracking, Raveling, Shoving	11	5	45%
	BCPS	5	AAC	7/11/2024	20	72	28	0	Alligator Cracking, Block Cracking, L&T Cracking, Raveling, Rutting	16	5	31%
	C2CPS	1	AAC	7/12/2024	43	86	0	14	Depression, L&T Cracking, Raveling, Weathering	1	1	100%
	C2CPS	2	PCC	7/11/2024	73	32	29	39	ASR, Corner Spalling, Faulting, Joint Spalling, Joint Seal Damage, LTD Cracking	2	2	100%
	CCPS	1	AAC	7/12/2024	34	92	8	0	Alligator Cracking, L&T Cracking, Raveling, Weathering	15	5	33%
	CCPS	2	AAC	7/12/2024	35	100	0	0	L&T Cracking, Raveling, Weathering	7	4	57%
	CCPS	3	AAC	7/12/2024	31	91	0	9	Depression, L&T Cracking, Raveling, Weathering	1	1	100%
	RCPS	1	APC	7/12/2024	63	75	0	25	L&T Cracking, Swelling, Weathering ⁶	4	3	75%
	RCPS	2	AAC	7/12/2024	54	83	13	4	Alligator Cracking, L&T Cracking, Oil Spillage, Raveling, Swelling, Weathering	16	5	31%
	RCPS	3	AC	7/13/2024	54	84	0	16	Block Cracking, L&T Cracking, Swelling, Weathering ⁶	8	4	50%
	RCPS	4	AAC	7/13/2024	61	100	0	0	L&T Cracking, Weathering ⁶	28	6	21%
	RCPS	5	AAC	7/13/2024	50	76	14	10	Alligator Cracking, Block Cracking, L&T Cracking, Swelling, Weathering ⁶	10	5	50%
	RCPS	6	AAC	7/13/2024	56	58	42	0	Alligator Cracking, L&T Cracking, Rutting, Weathering ⁶	20	5	25%
	RCPS	7	PCC	7/13/2024	75	34	6	60	ASR, Corner Spalling, Faulting, Joint Spalling, Joint Seal Damage, LTD Cracking, Pumping, Small Patch	12	6	50%
	RCPS	8	AAC	7/13/2024	44	52	41	7	Alligator Cracking, Depression, L&T Cracking, Raveling, Weathering	4	4	100%

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						Climate/ Durability ²	Load ³	Other				
St. Louis Downtown Airport	RCPS	10	PCC	7/13/2024	48	13	22	65	ASR, Corner Break, Corner Spalling, Faulting, Joint Spalling, Joint Seal Damage, LTD Cracking, Shrinkage Cracking	38	9	24%
	RCPS	11	PCC	7/13/2024	82	9	13	78	ASR, Corner Break, Corner Spalling, Faulting, Joint Spalling, Joint Seal Damage, LTD Cracking	19	7	37%
	RCPS	12	PCC	7/13/2024	68	23	12	65	ASR, Corner Break, Corner Spalling, Joint Spalling, Joint Seal Damage, LTD Cracking	24	9	38%
	RCPS	13	PCC	7/13/2024	92	63	18	19	Corner Spalling, Joint Spalling, Joint Seal Damage, LTD Cracking	16	6	38%
	RCPS	14	PCC	7/13/2024	79	44	0	56	ASR, Corner Spalling, Joint Seal Damage	4	3	75%
	RCPS	15	PCC	7/13/2024	84	36	7	57	ASR, Faulting, Joint Seal Damage, LTD Cracking	7	4	57%
	RCPS	20	PCC	7/13/2024	46	15	10	75	ASR, Corner Break, Joint Seal Damage, LTD Cracking	15	7	47%
	RCPS	21	PCC	7/13/2024	60	19	7	74	ASR, Corner Break, Corner Spalling, Faulting, Joint Spalling, Joint Seal Damage, LTD Cracking, Pumping, Small Patch	12	7	58%
	RCPS	22	PCC	7/13/2024	82	51	13	36	ASR, Corner Break, Corner Spalling, Joint Spalling, Joint Seal Damage, LTD Cracking, Shrinkage Cracking	12	7	58%
	RCPS	23	PCC	7/13/2024	83	53	16	31	ASR, Corner Spalling, Joint Spalling, Joint Seal Damage, LTD Cracking, Scaling	76	9	12%
	RCPS	6-1	PCC	7/13/2024	100	0	0	0	No Distress	3	3	100%
	RCPS	7-1	AC	7/13/2024	74	51	49	0	Alligator Cracking, L&T Cracking, Weathering ⁶	8	4	50%
	RCPS	8-1	AAC	7/13/2024	46	76	24	0	Alligator Cracking, Block Cracking, L&T Cracking, Raveling, Weathering	3	3	100%
	RCPS	12L	PCC	7/11/2024	100	0	0	0	No Distress	6	4	67%
	THCPS	1	AAC	7/13/2024	55	91	0	9	Depression, L&T Cracking, Patching, Raveling, Swelling, Weathering ⁶	4	3	75%
	THCPS	2	AAC	7/13/2024	53	62	37	1	Alligator Cracking, Depression, L&T Cracking, Patching, Weathering ⁶	8	4	50%
	THCPS	3	AAC	7/13/2024	24	55	45	0	Alligator Cracking, L&T Cracking, Patching, Raveling, Weathering	8	4	50%
	THCPS	4	AAC	7/13/2024	43	79	21	0	Alligator Cracking, Block Cracking, L&T Cracking, Patching, Raveling, Weathering	8	4	50%
	THCPS	5	AAC	7/13/2024	46	58	42	0	Alligator Cracking, L&T Cracking, Patching, Weathering	8	4	50%

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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.