

IDOT Office of Intermodal Project Implementation – Aeronautics
Airport Pavement Management System
 St. Louis Regional Airport, Alton
 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 Regional Airport	11ALN	1	AAC	7/14/2024	30	100	0	0	L&T Cracking, Raveling	18	5	28%
	11ALN	2	AAC	7/14/2024	33	100	0	0	L&T Cracking, Raveling	63	7	11%
	11ALN	3	AAC	7/14/2024	33	100	0	0	L&T Cracking, Raveling, Weathering	60	7	12%
	11ALN	4	AAC	7/14/2024	33	100	0	0	L&T Cracking, Raveling	24	6	25%
	11ALN	5	AAC	7/14/2024	32	100	0	0	L&T Cracking, Patching, Raveling	48	7	15%
	11ALN	6	AAC	7/14/2024	96	35	0	65	Raveling, Swelling	21	6	29%
	17ALN	1	AAC	7/14/2024	100	0	0	0	No Distress	18	5	28%
	17ALN	2	AAC	7/14/2024	100	0	0	0	No Distress	42	7	17%
	17ALN	3	AAC	7/14/2024	100	0	0	0	No Distress	22	6	27%
	17ALN	4	AAC	7/14/2024	100	0	0	0	No Distress	28	6	21%
	17ALN	5	AAC	7/14/2024	100	0	0	0	No Distress	6	4	67%
	A1ALN	1	AAC	7/14/2024	53	100	0	0	L&T Cracking, Raveling, Weathering	3	3	100%
	A2ALN	1	AAC	7/14/2024	48	94	0	6	Depression, L&T Cracking, Raveling, Weathering	3	3	100%
	A3ALN	1	AAC	7/14/2024	51	100	0	0	Raveling, Weathering, L&T Cracking	3	3	100%
	A4ALN	1	AAC	7/14/2024	45	100	0	0	L&T Cracking, Raveling, Weathering	3	3	100%
	AALN	1	AAC	7/14/2024	40	79	21	0	Alligator Cracking, L&T Cracking, Raveling, Weathering	4	3	75%
	AALN	2	AAC	7/14/2024	43	90	10	0	Alligator Cracking, L&T Cracking, Raveling, Weathering	21	6	29%
	AALN	3	AAC	7/14/2024	47	100	0	0	L&T Cracking, Raveling, Weathering	19	5	26%
	AALN	4	AAC	7/14/2024	45	100	0	0	L&T Cracking, Raveling, Weathering	7	4	57%
	AALN	5	AAC	7/14/2024	52	100	0	0	L&T Cracking, Raveling, Weathering	19	5	26%
	B1ALN	1	AAC	7/15/2024	42	100	0	0	L&T Cracking, Patching, Raveling, Weathering	1	1	100%
	B1ALN	2	AAC	7/16/2024	32	73	27	0	Alligator Cracking, L&T Cracking, Raveling, Weathering	1	1	100%
	B2ALN	1	PCC	7/15/2024	27	10	19	71	ASR, Corner Spalling, Joint Seal Damage, Large Patch, LTD Cracking, Shrinkage Cracking	1	1	100%
	B4ALN	1	PCC	7/15/2024	85	76	11	13	Corner Spalling, Joint Spalling, Joint Seal Damage, LTD Cracking	3	3	100%
	BALN	1	PCC	7/15/2024	82	53	0	47	ASR, Joint Seal Damage	6	4	67%
	BALN	3	PCC	7/15/2024	99	100	0	0	Joint Seal Damage	20	7	35%
	BALN	4	AC	7/15/2024	28	41	57	2	Alligator Cracking, L&T Cracking, Raveling, Rutting, Shoving, Weathering	21	6	29%
	BALN	5	AC	7/15/2024	58	100	0	0	L&T Cracking, Weathering	6	4	67%
	CALN	1	PCC	7/15/2024	97	61	0	39	Joint Spalling, Joint Seal Damage	10	5	50%
	CALN	2	APC	7/15/2024	41	100	0	0	Block Cracking, Joint Reflection Cracking, L&T Cracking, Raveling, Weathering	2	2	100%

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						Climate/ Durability ²	Load ³	Other				
St. Louis Regional Airport	CALN	3	PCC	7/15/2024	79	46	38	16	Joint Seal Damage, LTD Cracking, Shrinkage Cracking, Small Patch	6	4	67%
	CALN	4	PCC	7/17/2024	96	50	0	50	Corner Spalling, Joint Spalling, Joint Seal Damage	4	3	75%
	R20ALN	1	PCC	7/16/2024	98	100	0	0	Joint Seal Damage	5	4	80%
	RALN	1	AAC	7/15/2024	39	72	0	28	Block Cracking, Depression, L&T Cracking, Raveling, Swelling, Weathering ⁶	14	5	36%
	RALN	2	PCC	7/15/2024	77	39	0	61	ASR, Corner Spalling, Joint Spalling, Joint Seal Damage, Large Patch, Shrinkage Cracking, Small Patch	20	7	35%
	RALN	3	PCC	7/15/2024	67	24	30	46	ASR, Corner Spalling, Joint Spalling, Joint Seal Damage, LTD Cracking	3	3	100%
	RALN	4	PCC	7/15/2024	21	9	72	19	Joint Spalling, Joint Seal Damage, LTD Cracking, Shattered Slab, Shrinkage Cracking	4	3	75%
	RALN	5	PCC	7/15/2024	87	76	0	24	Corner Spalling, Joint Seal Damage, Large Patch, Small Patch	24	8	33%
	RALN	6	PCC	7/15/2024	56	16	19	65	ASR, Corner Spalling, Faulting, Joint Spalling, Joint Seal Damage, Large Patch, LTD Cracking, Popouts, Small Patch	22	7	32%
	RALN	7	PCC	7/16/2024	85	73	0	27	Joint Spalling, Joint Seal Damage, Large Patch, Shrinkage Cracking	28	7	25%
	RALN	8	PCC	7/15/2024	93	77	0	23	Faulting, Joint Seal Damage, Shrinkage Cracking, Small Patch	24	7	29%
	RALN	9	PCC	7/15/2024	91	83	0	17	Corner Spalling, Joint Spalling, Joint Seal Damage, Shrinkage Cracking	21	7	33%
	RALN	10	PCC	7/15/2024	88	78	16	6	Joint Spalling, Joint Seal Damage, LTD Cracking, Shrinkage Cracking	6	4	67%
	RALN	20	AAC	7/16/2024	47	100	0	0	Block Cracking, Depression, L&T Cracking, Raveling, Weathering ⁶	15	5	33%
	RALN	21	PCC	7/16/2024	83	65	0	35	Joint Spalling, Joint Seal Damage, Popouts	8	5	63%
	RALN	22	PCC	7/16/2024	43	15	0	85	ASR, Corner Spalling, Joint Spalling, Joint Seal Damage	1	1	100%
	RALN	30	PCC	7/16/2024	59	19	42	39	ASR, Corner Spalling, Joint Spalling, Joint Seal Damage, LTD Cracking, Shrinkage Cracking, Small Patch	6	4	67%
	RALN	31	PCC	7/16/2024	68	29	0	71	ASR, Corner Spalling, Joint Spalling, Joint Seal Damage, Large Patch	3	3	100%
	RALN	32	PCC	7/16/2024	60	21	17	62	ASR, Corner Spalling, Joint Spalling, Joint Seal Damage, LTD Cracking, Small Patch	9	5	56%

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						Climate/ Durability ²	Load ³	Other				
St. Louis Regional Airport	RALN	33	PCC	7/16/2024	33	11	32	57	ASR, Joint Spalling, Joint Seal Damage, LTD Cracking	9	5	56%
	RALN	35	PCC	7/16/2024	100	0	0	0	No Distress	19	7	37%
	RALN	36	PCC	7/16/2024	100	0	0	0	No Distress	18	7	39%
	THALN	1	AC	7/15/2024	19	50	50	0	Alligator Cracking, L&T Cracking, Raveling, Weathering	2	2	100%
	THALN	2	AC	9/5/2024	100	0	0	0	No Distress	8	4	50%
	THALN	3	AAC	9/3/2024	100	0	0	0	No Distress	3	3	100%
	THALN	4	AAC	7/15/2024	47	78	11	11	Alligator Cracking, Depression, L&T Cracking, Raveling, Weathering	7	4	57%
	THALN	5	AC	7/15/2024	32	80	17	3	Alligator Cracking, Depression, L&T Cracking, Patching, Raveling, Weathering	3	3	100%
	THALN	6	AC	7/15/2024	94	100	0	0	Weathering ⁶	8	4	50%
	THALN	9	AC	7/15/2024	91	100	0	0	Raveling, Weathering	6	4	67%
	THALN	20	AC	7/16/2024	78	100	0	0	L&T Cracking, Weathering	6	4	67%
	THALN	20-1	PCC	7/16/2024	100	0	0	0	No Distress	4	3	75%
	THALN	20-2	AAC	7/16/2024	58	77	23	0	Alligator Cracking, L&T Cracking, Raveling, Weathering ⁶	4	3	75%
	THALN	20-5	PCC	7/16/2024	99	0	100	0	LTD Cracking	7	4	57%

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.