

MONTANA AVIATION SYSTEM PLAN 2024 PAVEMENT CONDITION INDEXES PREPARED FOR Montana Department of Transportation

Division of Aeronautics



2024 Pavement Condition Index Map 4U6 - CIRCLE TOWN COUNTY AIRPORT

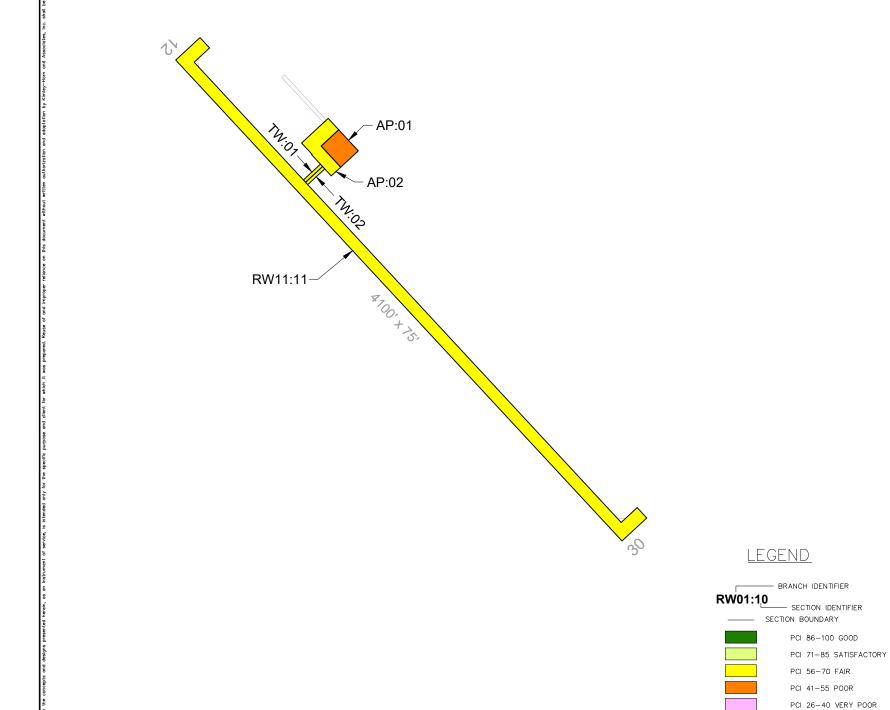
#### **CURRENT 2024 PAVEMENT CONDITION INDEX**

Branch ID	Section ID	Branch Name	Surface Type	Section Area (SF)	Approx. Age at Inspection	Last Major Work Date	Last Inspection Date	Pavement Condition Index	PCI Category
RW11	11	Runway 11-29	AC	331,089	17.3	8/1/2007	9/23/2024	67	Fair
TW	01	Taxiway	AC	2,900	17.3	8/1/2007	9/23/2024	68	Fair
TW	02	Taxiway	AAC	2,900	17.3	8/1/2007	9/23/2024	67	Fair
AP	01	Apron	AC	27,000	17.3	8/1/2007	9/23/2024	60	Fair
AP	02	Apron	AC	34,860	17.3	8/1/2007	9/23/2024	68	Fair

#### AIRFIELD PAVEMENT WORK HISTORY

- 1. ADAP-01, 1984, EXTEND, WIDEN, AND OVERLAY RUNWAY.
- 2. AIP-001-1989, 1" P-402 OVERLAY ALL PAVEMENTS.
- 3. 2001, NON-FEDERAL %" CHIP SEAL WITH CRS-2P OIL.
- 4. AIP-004-2007, RECONSTRUCT RUNWAY (R-11) AND TAXIWAYS; 2" MILL AND PAVE ON APRONS.
- 5. AIP-008-2018, CRACK SEAL, SURFACE SEAL AND REMARK ALL PAVEMENTS.





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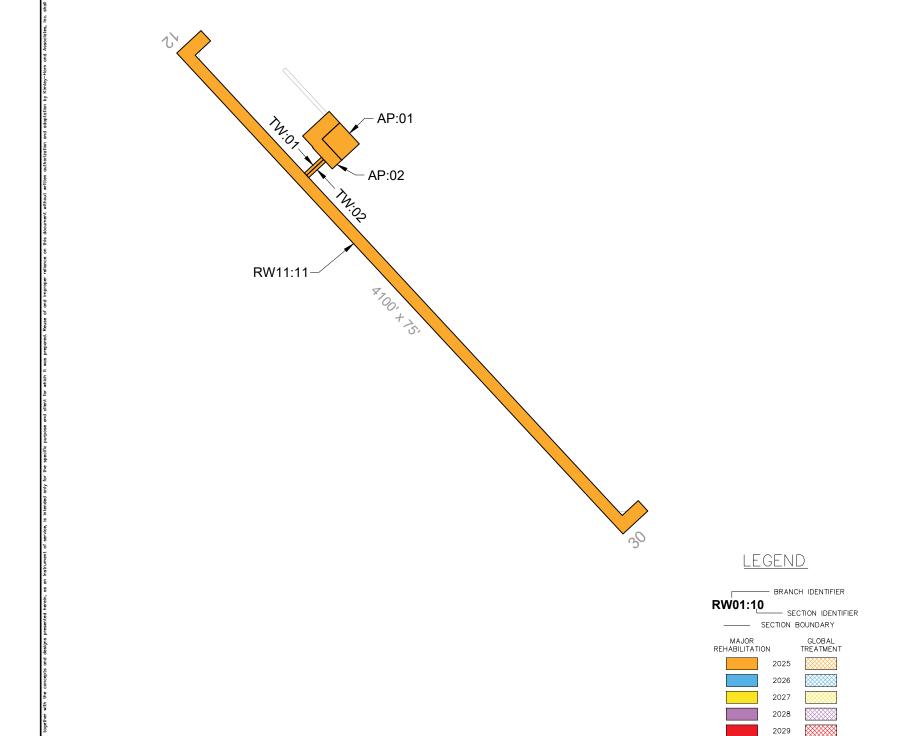
2029 Forecasted
Pavement Condition Index Map
4U6 - CIRCLE TOWN COUNTY AIRPORT

PCI 11-25 SERIOUS PCI 0-10 FAILED

#### FORECASTED PAVEMENT CONDITION INDEX

Branch ID	Section ID	Surface Type	Current PCI (2024)	2025	2026	2027	2028	2029
RW11	11	AC	67	67	65	63	61	59
TW	01	AC	68	68	67	66	65	64
TW	02	AAC	67	67	66	65	64	62
AP	01	AC	60	60	58	57	55	54
AP	02	AC	68	68	67	66	65	64





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5-Year Maintenance and Rehabilitation Map 4U6 - CIRCLE TOWN COUNTY AIRPORT

### 5-YEAR PAVEMENT NEEDS BY SECTION

Year	Branch ID	Section ID	Surface Type	Section Area (SF)	PCI at Treatment	Recommended Treatment	Treatment Category
2025	RW11	11	AC	331,089	89 67 Mill and Overlay		Major Rehabilitation
2025	TW	01	AC	2,900	68 Mill and Overlay		Major Rehabilitation
2025	TW	02	AAC	2,900	67	Mill and Overlay	Major Rehabilitation
2025	AP	01	AC	27,000	60	Mill and Overlay	Major Rehabilitation
2025	AP	02	AC	34,860	68 Mill and Overlay		Major Rehabilitation

## **Runway**



RW11-11-02: Overview



RW11-11-26: L&T Cracking



# **Taxiway**



TW-01-01: L&T Cracking



TW-02-01: L&T Cracking



# **Apron**



AP-01-05: Raveling



AP-02-06: Overview



### **Re-Inspection Report**

MDT SASP 2024

Generated Date 1/7/2025 Page 1 of 6

Generated Date	1/7/2025					
Network: 4U6		Name:	Circle Town County	/ Airport		
Branch: AP	Name:	Apron	Use:	APRON	Area:	61,860 SqFt
ection: 01	of 2	From: RWY 12-3	0 STA 10+00	To: RWY 12	-30 STA 11+80	<b>Last Const.:</b> 8/1/2007
Surface: AC Fa	amily: _MDT2024	- AP AC Zone:	CIRC	Category: D		Rank: P
Area: 27,000 S	SqFt Length	180 Ft	Width:	150 Ft		
Slabs: S	Slab Length:	Ft Sla	ab Width:	Ft	Joint Length	r: Ft
Shoulder: S	Street Type: ACN	G	rade: 0		Lanes: 0	
Section Comments:						
<b>Work Date:</b> 9/30/1989	Work Type: Ne	w Construction - Initial	Code	e: NU-IN	Is Major	r M&R: True
<b>Work Date:</b> 7/30/2007	Work Type: Co	ld Milling	Code	e: MI-CO	Is Major	r M&R: False
Work Date: 8/1/2007	Work Type: Ov	erlay - AC Thin	Code	e: OL-AT	Is Major	r M&R: True
<b>Work Date:</b> 1/1/2018	Work Type: Su	rface Seal	Code	e: SS-LO	Is Major	r M&R: False
Work Date: 1/1/2018	Work Type: Cra	ack Sealing - AC	Code	e: CS-AC	Is Major	r M&R: False
Last Insp. Date: 9/23/2024	Tota	lSamples: 6	Surveyed:	3		
Conditions: PCI: 60						
Inspection Comments:						
Sample Number: 01	Type: R	Area:	4500.00 SqFt	PCI: 66		
Sample Comments:						
8 L & T CR	L	323.00 Ft				
8 L & T CR	M	100.00 Ft				
7 WEATHERING	L	3600.00 SqFt				
7 WEATHERING	M	900.00 SqFt				
Sample Number: 03	Type: R	Area:	4500.00 SqFt	<b>PCI:</b> 58		
ample Comments:						
5 DEPRESSION	L	9.00 SqFt				
8 L & T CR	L	216.00 Ft				
8 L&TCR	M	25.00 Ft				
0 PATCHING	L	280.00 SqFt				
0 PATCHING	Н	16.00 SqFt				
7 WEATHERING 7 WEATHERING	L M	3573.00 SqFt 631.00 SqFt				
Sample Number: 05	Type: R	Area:	4500.00 SqFt	PCI: 55		
_	турс. к	Aica.	4300.00 Sq1 t	101. 33		
Sample Comments:						
5 DEPRESSION	M	25.00 SqFt				
18 L & T CR	L	347.00 Ft				
8 L & T CR	M	50.00 Ft				
2 DAVELING	M	120.00 SqFt				
52 RAVELING	171					
52 RAVELING 57 WEATHERING	L	3723.00 SqFt				

Network: 4U6			Name:	Circle Town (	County A	Airport			
Branch: AP	Na	ame: Apron		Us	e: AI	PRON	Area:	61,860 SqFt	
Section: 02	of 2	From:	RWY 12-30 S	STA 9+00		To: RWY	7 12-30 STA 11+80	Last Const.:	8/1/2007
Surface: AC	Family: _MDT	2024 - AP AC	Zone:	CIRC		Category:	D	Rank: P	
Area: 34,86	0 SqFt L	ength:	280 Ft	Width:		125 Ft	t		
Slabs:	Slab Length:	Ft	Slab	Width:		Ft	Joint Leng	th: Ft	
Shoulder:	Street Type: A	CN	Grad	<b>le:</b> 0			Lanes:	0	
Section Comments:	•								
Work Date: 9/30/1989	Work Typ	e: New Construction	on - Initial		Code:	NU-IN	Is Majo	or M&R: True	
Work Date: 7/30/2007	Work Typ	e: Cold Milling			Code:	MI-CO	Is Majo	or M&R: False	
Work Date: 8/1/2007	Work Typ	e: Overlay - AC Tl	nin		Code:	OL-AT	Is Majo	or M&R: True	
Work Date: 1/1/2018	Work Typ	e: Crack Sealing -	AC		Code:	CS-AC	Is Majo	or M&R: False	
Work Date: 1/1/2019	Work Typ	e: Surface Seal			Code:	SS-LO	Is Majo	or M&R: False	
Last Insp. Date: 9/23/2024		TotalSamples:	7	Surv	eyed: 4	4			
Conditions: PCI: 68									
Inspection Comments:									
Sample Number: 02	Type:	R A	Area:	4800.00 SqFt		PCI:	67		
Sample Comments:	Type.	1	irca.	1000.00 Bq1 t		101.	01		
18 L & T CR	L	317.00	Ft						
18 L & T CR	M	35.00							
WEATHERING	L	4080.00	-						
57 WEATHERING	M	720.00	SqFt						
Sample Number: 04	Type:	R A	Area:	5481.00 SqFt		PCI:	69		
Sample Comments:									
18 L & T CR	L	301.00	Ft						
18 L & T CR	M	27.00							
57 WEATHERING	L	4659.00							
57 WEATHERING	M	822.00							
Sample Number: 06 Sample Comments:	Type:	R A	Area:	5481.00 SqFt		PCI:	68		
•			-						
48 L&TCR 48 L&TCR	L	327.00 48.00							
48 L & T CR 57 WEATHERING	M L	4933.00							
, neamenno			SqFt						
	M	340.00							
57 WEATHERING				5481.00 SaFt		PCI:	67		
57 WEATHERING Sample Number: 07	Туре:		Area:	5481.00 SqFt		PCI:	67		
57 WEATHERING Sample Number: 07 Sample Comments:	Туре:	R A	Area:	5481.00 SqFt		PCI:	67		
57 WEATHERING Sample Number: 07 Sample Comments: 48 L&TCR			Area:	5481.00 SqFt		PCI:	67		
57 WEATHERING Sample Number: 07 Sample Comments: 48 L & T CR	Type:	R A	Ft Ft	5481.00 SqFt		PCI:	67		

Network: 4U6			Name:	Circle Town Count	y Airport	
Branch: RW11	N	Name: Ru	nway 11-29		-	ea: 331,089 SqFt
Section: 11	of 1	From:		30 STA 0+00	To: RWY 12-30 S	
		T2024 - RW AC		CIRC	Category: D	Rank: P
Area: 331,089 S		Length:	4,100 Ft	Width:	75 Ft	
ŕ	Slab Length:	_		lab Width:	Ft	Joint Length: Ft
	Street Type:			Frade: 0	11	Lanes: 0
Section Comments:	street Type.	ACK	· ·	nauc. 0		Lanes.
	***					
<b>Work Date:</b> 8/1/2007	Work Ty	pe: New Constru	iction - Initial	Cod	le: NU-IN	Is Major M&R: True
Work Date: 1/1/2018	Work Ty	pe: Crack Sealin	g - AC	Cod	le: CS-AC	Is Major M&R: False
Work Date: 1/1/2019	Work Ty	pe: Surface Seal		Cod	le: SS-LO	Is Major M&R: False
<b>Last Insp. Date:</b> 9/23/2024		TotalSamples	: 67	Surveyed:	9	
Conditions: PCI: 67						
<b>Inspection Comments:</b>						
Sample Number: 02	Type:	R	Area:	4951.00 SqFt	<b>PCI:</b> 71	
Sample Comments:				1		
48 L & T CR	L	226	00 Ft			
48 L & T CR	M		00 Ft			
57 WEATHERING	L		00 SqFt			
57 WEATHERING	M		00 SqFt			
Sample Number: 06	Type:	R	Area:	4951.00 SqFt	<b>PCI:</b> 67	
Sample Comments:						
48 L & T CR	L		00 Ft			
48 L & T CR	M		00 Ft			
<ul><li>57 WEATHERING</li><li>57 WEATHERING</li></ul>	L M		00 SqFt 00 SqFt			
Sample Number: 16	Type:	R	Area:	4874.00 SqFt	PCI: 66	
Sample Comments:	71			1		
48 L & T CR	L	348	00 Ft			
48 L & T CR	M		00 Ft			
57 WEATHERING	L		00 SqFt			
57 WEATHERING	M		00 SqFt	40=400 0 0		
Sample Number: 26	Type:	R	Area:	4874.00 SqFt	<b>PCI:</b> 57	
Sample Comments:						
48 L & T CR	L		00 Ft			
48 L & T CR 48 L & T CR	M H		00 Ft 00 Ft			
57 WEATHERING	н L		00 Ft 00 SqFt			
57 WEATHERING	M		00 SqFt			
Sample Number: 36	Type:	R	Area:	4875.00 SqFt	<b>PCI:</b> 70	
<b>Sample Comments:</b>						
48 L & T CR	L		00 Ft			
48 L & T CR	M	93.	00 Ft			
57 WEATHERING	L M		00 SqFt			
57 WEATHERING Sample Number: 46	Type:	R /31.	00 SqFt  Area:	4875.00 SqFt	<b>PCI:</b> 63	
Sample Number: 40	1 ype:	K	Aita.	40/3.00 SYFI	101. 03	
_						
48 L & T CR 48 L & T CR	L M		00 Ft 00 Ft			
48 L&TCR 48 L&TCR	M H		00 Ft 00 Ft			
57 WEATHERING	L		00 SqFt			
57 WEATHERING	M		00 SqFt			
Sample Number: 56	Type:	R	Area:	4875.00 SqFt	<b>PCI:</b> 70	
Sample Comments:						

48	L & T CR	I		230.00 Ft			
48	L & T CR	l	M	86.00 Ft			
57	WEATHERING	I		3900.00 SqFt			
57	WEATHERING	1	M	975.00 SqFt			
Samj	ple Number: 65	Type:	R	Area:	4875.00 SqFt	PCI: 69	
Samj	ple Comments:						
48	L & T CR	I		292.00 Ft			
48	L & T CR	1	M	5.00 Ft			
57	WEATHERING	I		4387.00 SqFt			
57	WEATHERING	ı	M	488.00 SqFt			
Sam	ple Number: 66	Туре:	R	Area:	4951.00 SqFt	<b>PCI:</b> 70	
Samj	ple Comments:						
48	L & T CR	I		256.00 Ft			
48	L & T CR	1	M	25.00 Ft			
57	WEATHERING	I		4456.00 SqFt			
57	WEATHERING	1	M	495.00 SqFt			

Network: 4U6			Na	me: Circ	cle Town Cou	nty Airport			
Branch: TW		Name:	Taxiway		Use:	TAXIWAY	Area:	5,800 SqFt	
Section: 01	of 2	]	From: NOR	ΓΗ WEST 20' OI	F T-WAY	To:		Last Const.:	8/1/2007
Surface: AC	Family: _N	иDT2024 - Т	TW AC Zo	one: CIRC		Category: D		Rank: P	
Area:	2,900 SqFt	Length:	145	Ft	Width:	20 Ft			
Slabs:	Slab Length	:	Ft	Slab Width:		Ft	Joint Length:	: F	't
Shoulder:	Street Type:	ACR		Grade: 0			Lanes: 0		
Section Comments:									
Work Date: 9/30/1989	Work	Type: New	Construction - Ir	itial	C	ode: NU-IN	Is Major	M&R: True	
Work Date: 8/1/2007	Work	Type: Surfa	ace Reconstructio	n - AC	C	ode: SR-AC	Is Major	M&R: True	
Work Date: 1/1/2018	Work	Type: Cracl	k Sealing - AC		C	ode: CS-AC	Is Major	M&R: False	
Work Date: 1/1/2019	Work	Type: Surfa	ace Seal		C	ode: SS-LO	Is Major	M&R: False	
Last Insp. Date: 9/23	/2024	TotalS	amples: 1		Surveye	<b>d:</b> 1			
Conditions: PCI:	68								
Inspection Comments:									
Sample Number: 01	Type:	R	Area:	2900	0.00 SqFt	PCI: 6	8		
Sample Comments:									
48 L & T CR		L	238.00 Ft						
48 L & T CR		M	50.00 Ft						
57 WEATHERING		L	2890.00 SqFt						
57 WEATHERING		M	10.00 SqFt						

Network: 4U6		Name:	Circle Town Cou	nty Airport		
Branch: TW	Name:	Taxiway	Use:	TAXIWAY	Area:	5,800 SqFt
Section: 02	of 2	From: SOUTHE	AST 20' OF T-WAY	To:		Last Const.: 8/1/2007
Surface: AAC	Family: _MDT2024 -	TW AAC Zone:	CIRC	Category: D		Rank: P
Area: 2	2,900 SqFt Length	: 145 Ft	Width:	20 Ft		
Slabs:	Slab Length:	Ft S	lab Width:	Ft	Joint Length:	Ft
Shoulder:	Street Type: ACR	G	Grade: 0		Lanes: 0	
Section Comments:						
Work Date: 9/30/1989	Work Type: Ne	w Construction - Initial	C	ode: NU-IN	Is Major	M&R: True
Work Date: 8/1/2007	Work Type: Sur	face Reconstruction - A	AC C	ode: SR-AC	Is Major	M&R: True
Work Date: 1/1/2018	Work Type: Cra	ck Sealing - AC	C	ode: CS-AC	Is Major	M&R: False
Work Date: 1/1/2019	Work Type: Sur	face Seal	C	ode: SS-LO	Is Major	M&R: False
Last Insp. Date: 9/23/2	024 Total	Samples: 1	Surveye	<b>d:</b> 1		
Conditions: PCI: 6	57					
Inspection Comments:						
Sample Number: 01	Type: R	Area:	2900.00 SqFt	PCI: 67	7	
Sample Comments:						
45 DEPRESSION	L	16.00 SqFt				
48 L & T CR	L	136.00 Ft				
18 L & T CR	M	50.00 Ft				
WEATHERING	L	2610.00 SqFt				
7 WEATHERING	M	290.00 SqFt				