

Plotted By: Lecky, Chance. Sheet: Sakzha_Layout1.PCI November 02, 2021 10:49:30am K:\ORL_Aviation\49025001 - MDT 2021 SAGS PCI Update\CAD\Airports\6S0 - Big Timber Airport\Exhibits\6S0 - PCI Exhibit.dwg
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LEGEND

- BRANCH IDENTIFIER
- SECTION IDENTIFIER
- SECTION BOUNDARY
- PCI 86-100 GOOD
- PCI 71-85 SATISFACTORY
- PCI 56-70 FAIR
- PCI 41-55 POOR
- PCI 26-40 VERY POOR
- PCI 11-25 SERIOUS
- PCI 0-10 FAILED

CURRENT 2021 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
AP	01	Apron	AC	40,000	25.2	8/1/1996	8/16/2021	66	Fair
AP	02	Apron	AC	23,750	25.2	8/1/1996	8/16/2021	62	Fair
RW06	01	Runway 06-24	AC	348,750	25.2	8/1/1996	8/16/2021	66	Fair
RW06	02	Runway 06-24	AC	47,625	25.2	8/1/1996	8/16/2021	67	Fair
TW	01	Taxiway	AC	7,611	25.2	8/1/1996	8/16/2021	67	Fair
TW	02	Taxiway	AC	39,600	25.2	8/1/1996	8/16/2021	46	Poor
TW	03	Taxiway	AC	13,750	25.2	8/1/1996	8/16/2021	67	Fair
TW	04	Taxiway	AC	85,365	18.3	7/1/2003	8/16/2021	89	Good
TW	05	Taxiway	AC	35,020	18.2	8/1/2003	8/16/2021	85	Satisfactory

AIRFIELD PAVEMENT WORK HISTORY

1. FROST, POOR DRAINAGE AIP-001-1984
2. AIP-002-1996, RECONSTRUCT AND EXTEND RUNWAY 6/24; RECONSTRUCT TAXIWAY (TW:01); CONSTRUCT CONNECTING TAXIWAY; OVERLAY TAXIWAY (TW:02); RECONSTRUCT APRON.
3. AIP-003-2003, CONSTRUCT PARTIAL PARALLEL TAXIWAY, TURNAROUND (TW:04), AND HANGAR ACCESS TAXIWAYS (TW:05); FOG SEAL AND REMARK REMAINING PAVEMENTS.
4. AIP-004-2010, CRACK SEAL, SEAL COAT, AND REMARK ALL PAVEMENTS.
5. AIP-009-2014, CRACK SEAL, SURFACE SEAL AND REMARK ALL PAVEMENTS.
6. 2019, CRACK SEAL, SURFACE SEAL, AND REMARK ALL PAVEMENTS

MONTANA AVIATION SYSTEM PLAN
 2021 PAVEMENT CONDITION INDEX
 PREPARED FOR
 Montana Department of Transportation
 Division of Aeronautics



Pavement Condition Index Map
 6S0 - BIG TIMBER AIRPORT

Runway



RW06-01-20: L&T Cracking



RW06-01-68: Alligator Cracking

Taxiway



TW02-02: Bleeding



TW02-07: Alligator Cracking

Apron



AP01-01: L&T Cracking



AP01-05: Overview

Re-Inspection Report

MDT SASP 2021

Generated Date 12/3/2021

Page 1 of 10

Network: 6S0 **Name:** Big Timber Airport

Branch: AP **Name:** Apron **Use:** APRON **Area:** 63,750 SqFt

Section: 01 of 2 **From:** ENTIRE APRON **To:** **Last Const.:** 8/1/1996

Surface: AC **Family:** DEFAULT **Zone:** BTIM **Category:** D **Rank:** P

Area: 40,000 SqFt **Length:** 200 Ft **Width:** 200 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** ACN **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 7/15/1983 **Work Type:** New Construction - Initial **Code:** NU-IN **Is Major M&R:** True

Work Date: 8/1/1996 **Work Type:** Surface Reconstruction - AC **Code:** SR-AC **Is Major M&R:** True

Work Date: 1/1/2019 **Work Type:** Surface Seal **Code:** SS-LO **Is Major M&R:** False

Work Date: 1/1/2019 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Last Insp. Date: 8/16/2021 **Total Samples:** 8 **Surveyed:** 4

Conditions: PCI: 66

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 5000.00 SqFt **PCI:** 67

Sample Comments:

48	L & T CR	L	321.00 Ft
48	L & T CR	M	50.00 Ft
52	RAVELING	L	500.00 SqFt
57	WEATHERING	L	4500.00 SqFt

Sample Number: 03 **Type:** R **Area:** 5000.00 SqFt **PCI:** 66

Sample Comments:

48	L & T CR	L	355.00 Ft
48	L & T CR	M	50.00 Ft
52	RAVELING	L	500.00 SqFt
57	WEATHERING	L	4500.00 SqFt

Sample Number: 05 **Type:** R **Area:** 4040.00 SqFt **PCI:** 66

Sample Comments:

48	L & T CR	L	292.00 Ft
48	L & T CR	M	85.00 Ft
52	RAVELING	L	404.00 SqFt
57	WEATHERING	L	3636.00 SqFt

Sample Number: 06 **Type:** R **Area:** 4949.00 SqFt **PCI:** 63

Sample Comments:

48	L & T CR	L	439.00 Ft
48	L & T CR	M	50.00 Ft
52	RAVELING	L	495.00 SqFt
57	WEATHERING	L	4454.00 SqFt

Network:	6S0		Name:	Big Timber Airport					
Branch:	AP	Name:	Apron	Use:	APRON	Area:	63,750 SqFt		
Section:	02	of 2	From:	A-1	To:	T-2	Last Const.:	8/1/1996	
Surface:	AC	Family:	DEFAULT	Zone:	BTIM	Category:	E	Rank:	P
Area:	23,750 SqFt	Length:	475 Ft	Width:	50 Ft				
Slabs:	Slab Length:	Ft	Slab Width:	Ft	Joint Length:	Ft			
Shoulder:	Street Type:	ACN	Grade:	0	Lanes:	0			
Section Comments:									
Work Date:	8/1/1996	Work Type:	New Construction - Initial		Code:	NU-IN	Is Major M&R:	True	
Work Date:	1/1/2019	Work Type:	Crack Sealing - AC		Code:	CS-AC	Is Major M&R:	False	
Work Date:	1/1/2019	Work Type:	Surface Seal		Code:	SS-LO	Is Major M&R:	False	
Last Insp. Date:	8/16/2021	TotalSamples:	5	Surveyed:	3				
Conditions:	PCI:	62							
Inspection Comments:									
Sample Number:	02	Type:	R	Area:	4977.00 SqFt	PCI:	68		
Sample Comments:									
42	BLEEDING	N	25.00	SqFt					
48	L & T CR	L	227.00	Ft					
48	L & T CR	M	50.00	Ft					
52	RAVELING	L	498.00	SqFt					
57	WEATHERING	L	4479.00	SqFt					
Sample Number:	04	Type:	R	Area:	5279.00 SqFt	PCI:	67		
Sample Comments:									
42	BLEEDING	N	132.00	SqFt					
48	L & T CR	L	223.00	Ft					
48	L & T CR	M	50.00	Ft					
52	RAVELING	L	528.00	SqFt					
57	WEATHERING	L	4751.00	SqFt					
Sample Number:	05	Type:	R	Area:	3324.00 SqFt	PCI:	44		
Sample Comments:									
42	BLEEDING	N	395.00	SqFt					
48	L & T CR	L	121.00	Ft					
52	RAVELING	L	499.00	SqFt					
57	WEATHERING	L	2825.00	SqFt					

Network:	6S0	Name:	Big Timber Airport						
Branch:	RW06	Name:	Runway 06-24	Use:	RUNWAY	Area:	396,375 SqFt		
Section:	01	of	2	From:	STA 0+00, BEGIN RWY 6-24	To:	STA 46+50, END RWY 6-24	Last Const.:	8/1/1996
Surface:	AC	Family:	DEFAULT	Zone:	BTIM	Category:	D	Rank:	P
Area:	348,750 SqFt	Length:	4,650 Ft	Width:	75 Ft				
Slabs:		Slab Length:	Ft	Slab Width:	Ft	Joint Length:	Ft		
Shoulder:		Street Type:	ACR	Grade:	0	Lanes:	0		
Section Comments:									
Work Date:	7/15/1983	Work Type: New Construction - Initial			Code:	NU-IN	Is Major M&R: True		
Work Date:	8/1/1996	Work Type: Surface Reconstruction - AC			Code:	SR-AC	Is Major M&R: True		
Work Date:	1/1/2019	Work Type: Surface Seal			Code:	SS-LO	Is Major M&R: False		
Work Date:	1/1/2019	Work Type: Crack Sealing - AC			Code:	CS-AC	Is Major M&R: False		
Last Insp. Date:	8/16/2021	TotalSamples:	72	Surveyed:	7				
Conditions:	PCI: 66								
Inspection Comments:									
Sample Number:	09	Type:	R	Area:	4875.00 SqFt	PCI:	65		
Sample Comments:									
48	L & T CR	L	386.00	Ft					
48	L & T CR	M	100.00	Ft					
57	WEATHERING	L	4387.00	SqFt					
57	WEATHERING	M	488.00	SqFt					
Sample Number:	20	Type:	R	Area:	4875.00 SqFt	PCI:	65		
Sample Comments:									
48	L & T CR	L	334.00	Ft					
48	L & T CR	M	150.00	Ft					
57	WEATHERING	L	4387.00	SqFt					
57	WEATHERING	M	488.00	SqFt					
Sample Number:	31	Type:	R	Area:	4875.00 SqFt	PCI:	65		
Sample Comments:									
48	L & T CR	L	332.00	Ft					
48	L & T CR	M	150.00	Ft					
57	WEATHERING	L	4387.00	SqFt					
57	WEATHERING	M	488.00	SqFt					
Sample Number:	42	Type:	R	Area:	4875.00 SqFt	PCI:	69		
Sample Comments:									
48	L & T CR	L	228.00	Ft					
48	L & T CR	M	100.00	Ft					
57	WEATHERING	L	4387.00	SqFt					
57	WEATHERING	M	488.00	SqFt					
Sample Number:	53	Type:	R	Area:	4875.00 SqFt	PCI:	69		
Sample Comments:									
48	L & T CR	L	208.00	Ft					
48	L & T CR	M	100.00	Ft					
57	WEATHERING	L	4387.00	SqFt					
57	WEATHERING	M	488.00	SqFt					
Sample Number:	64	Type:	R	Area:	4875.00 SqFt	PCI:	71		
Sample Comments:									
48	L & T CR	L	223.00	Ft					
48	L & T CR	M	65.00	Ft					
57	WEATHERING	L	4387.00	SqFt					
57	WEATHERING	M	488.00	SqFt					
Sample Number:	68	Type:	R	Area:	4875.00 SqFt	PCI:	55		
Sample Comments:									

41	ALLIGATOR CR	L	80.00	SqFt
48	L & T CR	L	207.00	Ft
48	L & T CR	M	150.00	Ft
57	WEATHERING	L	4387.00	SqFt
57	WEATHERING	M	488.00	SqFt

Network:	6S0		Name:	Big Timber Airport					
Branch:	RW06	Name:	Runway 06-24	Use:	RUNWAY	Area:	396,375 SqFt		
Section:	02	of 2	From:	R-1	To:	T-3	Last Const.:	8/1/1996	
Surface:	AC	Family:	DEFAULT	Zone:	BTIM	Category:	E	Rank:	P
Area:	47,625 SqFt	Length:	635 Ft	Width:	75 Ft				
Slabs:	Slab Length:	Ft	Slab Width:	Ft	Joint Length:	Ft			
Shoulder:	Street Type:	ACR	Grade:	0	Lanes:	0			
Section Comments:									
Work Date:	8/1/1996	Work Type:	New Construction - Initial		Code:	NU-IN	Is Major M&R:	True	
Work Date:	1/1/2019	Work Type:	Crack Sealing - AC		Code:	CS-AC	Is Major M&R:	False	
Work Date:	1/1/2019	Work Type:	Surface Seal		Code:	SS-LO	Is Major M&R:	False	
Last Insp. Date:	8/16/2021	TotalSamples:	9	Surveyed:	4				
Conditions:	PCI:	67							
Inspection Comments:									
Sample Number:	01	Type:	R	Area:	4875.00 SqFt	PCI:	68		
Sample Comments:									
48	L & T CR	L	292.00	Ft					
48	L & T CR	M	100.00	Ft					
57	WEATHERING	L	4387.00	SqFt					
57	WEATHERING	M	488.00	SqFt					
Sample Number:	04	Type:	R	Area:	4875.00 SqFt	PCI:	65		
Sample Comments:									
48	L & T CR	L	338.00	Ft					
48	L & T CR	M	150.00	Ft					
57	WEATHERING	L	4387.00	SqFt					
57	WEATHERING	M	488.00	SqFt					
Sample Number:	07	Type:	R	Area:	4875.00 SqFt	PCI:	71		
Sample Comments:									
48	L & T CR	L	230.00	Ft					
48	L & T CR	M	65.00	Ft					
57	WEATHERING	L	4387.00	SqFt					
57	WEATHERING	M	488.00	SqFt					
Sample Number:	09	Type:	R	Area:	4125.00 SqFt	PCI:	63		
Sample Comments:									
48	L & T CR	L	261.00	Ft					
48	L & T CR	M	50.00	Ft					
52	RAVELING	L	438.00	SqFt					
57	WEATHERING	L	3274.00	SqFt					
57	WEATHERING	M	413.00	SqFt					

Network: 6S0 **Name:** Big Timber Airport

Branch: TW **Name:** Taxiway **Use:** TAXIWAY **Area:** 181,346 SqFt

Section: 01 of 5 **From:** R-1 **To:** APRON **Last Const.:** 8/1/1996

Surface: AC **Family:** DEFAULT **Zone:** BTIM **Category:** E **Rank:** P

Area: 7,611 SqFt **Length:** 155 Ft **Width:** 30 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** ACM **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 7/15/1983 **Work Type:** New Construction - Initial **Code:** NU-IN **Is Major M&R:** True

Work Date: 8/1/1996 **Work Type:** Surface Reconstruction - AC **Code:** SR-AC **Is Major M&R:** True

Work Date: 1/1/2019 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Work Date: 1/1/2019 **Work Type:** Surface Seal **Code:** SS-LO **Is Major M&R:** False

Last Insp. Date: 8/16/2021 **TotalSamples:** 1 **Surveyed:** 1

Conditions: PCI: 67

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 7611.00 SqFt **PCI:** 67

Sample Comments:

48 L & T CR L 513.00 Ft
48 L & T CR M 100.00 Ft
52 RAVELING L 1903.00 SqFt
57 WEATHERING L 5708.00 SqFt

Network: 6S0 **Name:** Big Timber Airport

Branch: TW **Name:** Taxiway **Use:** TAXIWAY **Area:** 181,346 SqFt

Section: 02 of 5 **From:** RUNWAY STATION 19+50 **To:** NORTH **Last Const.:** 8/1/1996

Surface: AC **Family:** DEFAULT **Zone:** BTIM **Category:** E **Rank:** P

Area: 39,600 SqFt **Length:** 1,320 Ft **Width:** 30 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** ACR **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 7/15/1983 **Work Type:** New Construction - Initial **Code:** NU-IN **Is Major M&R:** True

Work Date: 8/1/1996 **Work Type:** Surface Reconstruction - AC **Code:** SR-AC **Is Major M&R:** True

Work Date: 1/1/2019 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Work Date: 1/1/2019 **Work Type:** Surface Seal **Code:** SS-LO **Is Major M&R:** False

Last Insp. Date: 8/16/2021 **TotalSamples:** 7 **Surveyed:** 4

Conditions: PCI: 46

Inspection Comments:

Sample Number: 02 **Type:** R **Area:** 5894.00 SqFt **PCI:** 60

Sample Comments:

42 BLEEDING N 48.00 SqFt
48 L & T CR L 477.00 Ft
48 L & T CR M 50.00 Ft
52 RAVELING L 590.00 SqFt
57 WEATHERING L 5304.00 SqFt

Sample Number: 04 **Type:** R **Area:** 4500.00 SqFt **PCI:** 32

Sample Comments:

41 ALLIGATOR CR L 124.00 SqFt
42 BLEEDING N 1120.00 SqFt
48 L & T CR L 321.00 Ft
52 RAVELING L 450.00 SqFt

Sample Number: 06 **Type:** R **Area:** 4500.00 SqFt **PCI:** 48

Sample Comments:

41 ALLIGATOR CR L 44.00 SqFt
42 BLEEDING N 240.00 SqFt
48 L & T CR L 575.00 Ft
52 RAVELING L 450.00 SqFt
57 WEATHERING L 4050.00 SqFt

Sample Number: 07 **Type:** R **Area:** 4760.00 SqFt **PCI:** 38

Sample Comments:

41 ALLIGATOR CR L 67.00 SqFt
42 BLEEDING N 498.00 SqFt
48 L & T CR L 601.00 Ft
52 RAVELING L 450.00 SqFt
57 WEATHERING L 4500.00 SqFt

Network:	6S0	Name:	Big Timber Airport						
Branch:	TW	Name:	Taxiway	Use:	TAXIWAY	Area:	181,346 SqFt		
Section:	03	of 5	From:	Turnarounds	To:		Last Const.: 8/1/1996		
Surface:	AC	Family:	DEFAULT	Zone:	BTIM	Category:	E	Rank:	P
Area:	13,750 SqFt	Length:	275 Ft	Width:	50 Ft				
Slabs:		Slab Length:	Ft	Slab Width:	Ft	Joint Length:	Ft		
Shoulder:		Street Type:	ACM	Grade:	0	Lanes:	0		
Section Comments:									
Work Date:	8/1/1996	Work Type:	New Construction - Initial		Code:	NU-IN	Is Major M&R:	True	
Work Date:	1/1/2019	Work Type:	Surface Seal		Code:	SS-LO	Is Major M&R:	False	
Work Date:	1/1/2019	Work Type:	Crack Sealing - AC		Code:	CS-AC	Is Major M&R:	False	
Last Insp. Date:	8/16/2021	TotalSamples:	4	Surveyed:	3				
Conditions:	PCI: 67								
Inspection Comments:									
Sample Number:	01	Type:	R	Area:	3513.00 SqFt	PCI:	68		
Sample Comments:									
48	L & T CR	L	330.00	Ft					
57	WEATHERING	L	3162.00	SqFt					
57	WEATHERING	M	351.00	SqFt					
Sample Number:	03	Type:	R	Area:	3442.00 SqFt	PCI:	65		
Sample Comments:									
48	L & T CR	L	221.00	Ft					
48	L & T CR	M	40.00	Ft					
52	RAVELING	L	34.00	SqFt					
57	WEATHERING	L	3064.00	SqFt					
57	WEATHERING	M	344.00	SqFt					
Sample Number:	04	Type:	R	Area:	4644.00 SqFt	PCI:	68		
Sample Comments:									
48	L & T CR	L	282.00	Ft					
48	L & T CR	M	75.00	Ft					
57	WEATHERING	L	4180.00	SqFt					
57	WEATHERING	M	464.00	SqFt					

Network:	6S0	Name:	Big Timber Airport						
Branch:	TW	Name:	Taxiway	Use:	TAXIWAY	Area:	181,346 SqFt		
Section:	04	of 5	From:	R-1	To:	A-1	Last Const.: 7/1/2003		
Surface:	AC	Family:	DEFAULT	Zone:	BTIM	Category:	D	Rank:	P
Area:	85,365 SqFt	Length:	2,439 Ft	Width:	35 Ft				
Slabs:	Slab Length:	Ft	Slab Width:	Ft	Joint Length:	Ft			
Shoulder:	Street Type:	ACR	Grade:	0	Lanes:	0			
Section Comments:									
Work Date:	7/1/2003	Work Type:	New Construction - Initial		Code:	NU-IN	Is Major M&R:	True	
Work Date:	1/1/2019	Work Type:	Surface Seal		Code:	SS-LO	Is Major M&R:	False	
Work Date:	1/1/2019	Work Type:	Crack Sealing - AC		Code:	CS-AC	Is Major M&R:	False	
Last Insp. Date:	8/16/2021	TotalSamples:	17	Surveyed:	5				
Conditions:	PCI:	89							
Inspection Comments:									
Sample Number:	03	Type:	R	Area:	5040.00 SqFt	PCI:	89		
Sample Comments:									
48	L & T CR	L	41.00	Ft					
57	WEATHERING	L	5040.00	SqFt					
Sample Number:	07	Type:	R	Area:	5075.00 SqFt	PCI:	87		
Sample Comments:									
48	L & T CR	L	115.00	Ft					
57	WEATHERING	L	5075.00	SqFt					
Sample Number:	11	Type:	R	Area:	5040.00 SqFt	PCI:	92		
Sample Comments:									
48	L & T CR	L	6.00	Ft					
57	WEATHERING	L	5040.00	SqFt					
Sample Number:	14	Type:	R	Area:	5216.00 SqFt	PCI:	89		
Sample Comments:									
48	L & T CR	L	81.00	Ft					
57	WEATHERING	L	5216.00	SqFt					
Sample Number:	15	Type:	R	Area:	5722.00 SqFt	PCI:	86		
Sample Comments:									
48	L & T CR	L	72.00	Ft					
52	RAVELING	L	58.00	SqFt					
57	WEATHERING	L	5722.00	SqFt					

Network: 6S0 **Name:** Big Timber Airport

Branch: TW **Name:** Taxiway **Use:** TAXIWAY **Area:** 181,346 SqFt

Section: 05 of 5 **From:** T-2 **To:** Hangars **Last Const.:** 8/1/2003

Surface: AC **Family:** DEFAULT **Zone:** BTIM **Category:** D **Rank:** P

Area: 35,020 SqFt **Length:** 1,350 Ft **Width:** 25 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** ACR **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 8/1/2003 **Work Type:** New Construction - Initial **Code:** NU-IN **Is Major M&R:** True

Work Date: 1/1/2019 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Work Date: 1/1/2019 **Work Type:** Surface Seal **Code:** SS-LO **Is Major M&R:** False

Last Insp. Date: 8/16/2021 **TotalSamples:** 6 **Surveyed:** 3

Conditions: PCI: 85

Inspection Comments:

Sample Number: 02 **Type:** R **Area:** 5144.00 SqFt **PCI:** 84

Sample Comments:

48 L & T CR L 68.00 Ft
57 WEATHERING L 4630.00 SqFt
57 WEATHERING M 514.00 SqFt

Sample Number: 03 **Type:** R **Area:** 5144.00 SqFt **PCI:** 84

Sample Comments:

48 L & T CR L 73.00 Ft
57 WEATHERING L 4630.00 SqFt
57 WEATHERING M 514.00 SqFt

Sample Number: 05 **Type:** R **Area:** 5144.00 SqFt **PCI:** 86

Sample Comments:

48 L & T CR L 10.00 Ft
57 WEATHERING L 4630.00 SqFt
57 WEATHERING M 514.00 SqFt