

MONTANA AVIATION SYSTEM PLAN 2021 PAVEMENT CONDITION INDEXES PREPARED FOR

Montana Department of Transportation
Division of Aeronautics



Pavement Condition Index Map M75 - MALTA AIRPORT

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	AAC	95,800	11.3	8/1/2010	8/30/2021	86	Good
AP	02	Apron	PCC	1,225	N/A	N/A	EXEMPT	EXEMPT	EXEMPT
AP	03	Apron	PCC	13,824	18.2	9/1/2003	8/30/2021	91	Good
AP	04	Apron	AC	16,000	14.3	8/1/2007	8/30/2021	88	Good
RW08	01	Runway 08-26	AAC	337,500	11.3	8/1/2010	8/30/2021	79	Satisfactory
TW	01	Taxiway	AAC	37,100	11.3	8/1/2010	8/30/2021	82	Satisfactory
TW	02	Taxiway	AC	28,200	24.3	8/1/1997	8/30/2021	69	Fair

AIRFIELD PAVEMENT WORK HISTORY

- 1. AIP-001/002-1996-1998, ALL NEW CONSTRUCTION. GEOGRID OVER EXISTING GROUND + 30" MIN. OF SELECT BORROW UNDER ALL PAVEMENT SECTIONS.
- 2. AIP-003-2002, LEVEL DEPRESSIONS ON RUNWAY 8/26 (RW08:01); CRACK SEAL, FOG SEAL, AND REMARK ALL PAVEMENTS.
- 3. AIP-004-2003, CONSTRUCT CONCRETE PAD (AP:02); CONSTRUCT CONCRETE APRON (AP:03) FOR JET USE.
- 4. AIP-006-2007, CONSTRUCT APRONS (AP:04); LEVEL DEPRESSIONS ON RUNWAY (RW08:01); CRACK SEAL, FOG SEAL, AND REMARK ALL PAVEMENTS.
- 5. AIP-007-2010, MILL 1" AND OVERLAY RUNWAY (R-1), TAXIWAYS (TW:01,TW:02), AND APRON (AP:01).
- 5. AIP-012-2015, CRACK SEAL, SEAL COAT, AND REMARK RUNWAY (RW08:01), TAXIWAYS (TW:01,TW:02), AND APRONS (AP:01,AP:04) [INSPECTED AFTER MAINTENANCE PROJECT].
- 7. AIP-014-2020, CRACK SEAL, SEAL COAT, AND REMARK RUNWAY (RW08:01), TAXIWAYS (TW:01,TW:02), AND APRONS (AP:01,AP:04).

Runway



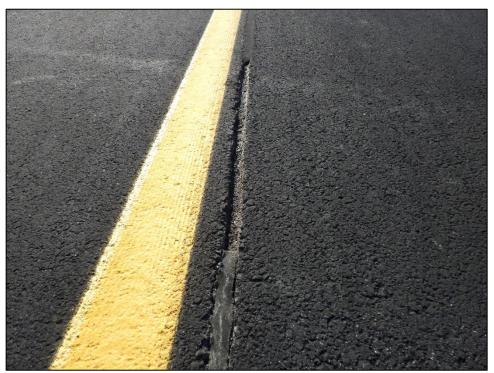
RW08-01-47: L&T Cracking



RW08-01-67: Weathering



Taxiway



TW01-05: L&T Cracking



TW02-03: Depression



<u>Apron</u>



AP01-17: Weathering



AP03-02: LTD Cracking



Re-Inspection Report

MDT SASP 2021

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WEATHERING

Generated Date 12/6/2021 Page 1 of 6

Generated Date	12/6/2021					1 age 1 o
Network: M75		Namo	e: Malta Airport			
ranch: AP	Name:	Apron	Use	: APRON	Area:	125,624 SqFt
ection: 01	of 3	From: ENTIRE	APRON	To:		Last Const.: 8/1/2010
urface: AAC	Family: DEFAULT	Zone	: MALT	Category: E		Rank: P
Area: 95,80	0 SqFt Length	: 400 Ft	Width:	240 Ft		
Slabs:	Slab Length:	Ft	Slab Width:	Ft	Joint Le	ngth: Ft
Shoulder:	Street Type: ACN		Grade: 0		Lanes:	0
Section Comments:						
Vork Date: 8/1/1997	Work Type: Ne	w Construction - Initia	ıl	Code: NU-IN	Is M	ajor M&R: True
Vork Date: 8/1/2010	Work Type: AC	- Mill and Overlay		Code: AC-MO	Is M	ajor M&R: True
Work Date: 7/1/2020	Work Type: Sur	face Seal		Code: SS-LO	Is M	ajor M&R: False
Work Date: 7/1/2020	Work Type: Cra	ack Sealing - AC		Code: CS-AC	Is M	ajor M&R: False
Last Insp. Date: 8/30/2021	Total	Samples: 20	Surve	yed: 5		
Conditions: PCI: 86						
nspection Comments:						
Sample Number: 05	Type: R	Area:	3524.00 SqFt	PCI: 85	;	
Sample Comments:	• •		1			
8 L & T CR	L	109.00 Ft				
7 WEATHERING	L	3524.00 SqFt				
Sample Number: 10	Type: R	Area:	4800.00 SqFt	PCI: 80)	
Sample Comments:						
8 L & T CR	L	171.00 Ft				
7 WEATHERING	L	4560.00 SqFt				
7 WEATHERING	M	240.00 SqFt				
Sample Number: 11	Type: R	Area:	4800.00 SqFt	PCI: 89)	
Sample Comments:						
48 L & T CR	L	66.00 Ft				
7 WEATHERING	L	4800.00 SqFt				
Sample Number: 14	Type: R	Area:	4800.00 SqFt	PCI: 89)	
Sample Comments:						
18 L & T CR	L	77.00 Ft				
7 WEATHERING	L	4800.00 SqFt				
Sample Number: 17	Type: R	Area:	4800.00 SqFt	PCI: 89)	
Sample Comments:			•			
8 L & T CR	L	58.00 Ft				
57 WEATHERING	<u>.</u>	4900 00 SaEt				

L

4800.00 SqFt

Network: M75		Name:	Malta Airport			
Branch: AP	Name:	Apron	Use:	APRON	Area:	125,624 SqFt
Section: 03	of 3	From: T-2		To: A-1		Last Const.: 9/1/2003
Surface: PCC	Family: DEFAULT	Zone:	MALT	Category: P		Rank: P
Area: 13,8	324 SqFt Length:	144 Ft	Width:	96 Ft		
Slabs: 96	Slab Length:	12 Ft Slal	b Width:	12 Ft	Joint Len	gth: 2,064 Ft
Shoulder:	Street Type: PCA	Gra	nde: 0		Lanes:	0
Section Comments:						
Work Date: 9/1/2003	Work Type: New	Construction - Initial	Co	de: NU-IN	Is Ma	jor M&R: True
Last Insp. Date: 8/30/202	21 TotalS	amples: 6	Surveyed	1: 4		
Conditions: PCI: 91						
Inspection Comments:						
Sample Number: 01	Type: R	Area:	16.00 Slabs	PCI: 79		
Sample Comments:						
63 LINEAR CR	L	6.00 Slabs				
65 JT SEAL DMG	L	16.00 Slabs				
Sample Number: 02	Type: R	Area:	16.00 Slabs	PCI: 92		
Sample Comments:						
63 LINEAR CR	L	1.00 Slabs				
65 JT SEAL DMG	L	16.00 Slabs				
Sample Number: 04	Type: R	Area:	16.00 Slabs	PCI: 95		
Sample Comments:						
65 JT SEAL DMG	L	16.00 Slabs				
75 CORNER SPALL	L	1.00 Slabs				
Sample Number: 05	Type: R	Area:	18.00 Slabs	PCI: 95		
Sample Comments:						
65 JT SEAL DMG	L	18.00 Slabs				
74 JOINT SPALL	L	2.00 Slabs				

Network: M75		Name	: Malta Airport		
Branch: AP	Nan	e: Apron	Use:	APRON Ar	ea: 125,624 SqFt
Section: 04	of 3	From: T-2		To: T-2	Last Const.: 8/1/2007
Surface: AC	Family: DEFAU	T Zone:	MALT	Category: D	Rank: P
Area: 16,000	SqFt Lei	agth: 400 Ft	Width:	40 Ft	
Slabs:	Slab Length:	Ft S	lab Width:	Ft	Joint Length: Ft
Shoulder:	Street Type: AC	N C	Grade: 0		Lanes: 0
Section Comments:					
Work Date: 8/1/2007	Work Type:	New Construction - Initial	Co	de: NU-IN	Is Major M&R: True
Work Date: 7/1/2020	Work Type:	Crack Sealing - AC	Co	de: CS-AC	Is Major M&R: False
Work Date: 7/1/2020	Work Type:	Surface Seal	Co	de: SS-LO	Is Major M&R: False
Last Insp. Date: 8/30/2021	Т	otalSamples: 4	Surveyed	l: 3	
Conditions: PCI: 88					
Inspection Comments:					
Sample Number: 01	Type: R	Area:	4000.00 SqFt	PCI: 89	
Sample Comments:					
48 L & T CR	L	64.00 Ft			
57 WEATHERING	L	4000.00 SqFt			
Sample Number: 03	Type: R	Area:	4000.00 SqFt	PCI: 87	
Sample Comments:					
48 L & T CR	L	95.00 Ft			
57 WEATHERING	L	4000.00 SqFt			
Sample Number: 04	Type: R	Area:	4000.00 SqFt	PCI: 88	

L L 72.00 Ft

4000.00 SqFt

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L & T CR

WEATHERING

Network: M75		Name:	Malta Airport		
Branch: RW08	Name:	Runway 08-26		RUNWAY Are	227 500 S aEt
			Use:		, 1
	or r mily: DEFAULT	From: STA 10+00 Zone:	MALT	To: STA 55+00 Category: E	Last Const.: 8/1/2010 Rank: P
Area: 337,500 Se	•	4,500 Ft	Width:	75 Ft	Nair. 1
	lab Length:	· ·	Width:	Ft	Joint Length: Ft
	treet Type: ACM	Gra			Lanes: 0
Section Comments:	V 1				
Work Date: 8/1/1997	Work Type: New	Construction - Initial	(Code: NU-IN	Is Major M&R: True
Work Date: 8/1/2010	Work Type: AC-1	Mill and Overlay		Code: AC-MO	Is Major M&R: True
Work Date: 7/1/2020	Work Type: Surfa	ce Seal		Code: SS-LO	Is Major M&R: False
Work Date: 7/1/2020	Work Type: Crack	Sealing - AC		Code: CS-AC	Is Major M&R: False
Last Insp. Date: 8/30/2021	TotalSa	amples: 70	Survey	ved: 7	
Conditions: PCI: 79					
Inspection Comments:					
Sample Number: 07	Type: R	Area:	4875.00 SqFt	PCI: 76	
Sample Comments:					
48 L & T CR	L	348.00 Ft			
57 WEATHERING	L	4875.00 SqFt			
Sample Number: 17	Type: R	Area:	4875.00 SqFt	PCI: 84	
Sample Comments:					
48 L & T CR	L	161.00 Ft			
57 WEATHERING Sample Number: 28	Type: R	4875.00 SqFt Area:	4875.00 SqFt	PCI: 79	
Sample Comments:	Type: K	Area:	48/3.00 SqFt	FCI; /9	
		• • • • • • •			
48 L & T CR 57 WEATHERING	L L	280.00 Ft 4875.00 SqFt			
Sample Number: 37	Type: R	Area:	4875.00 SqFt	PCI: 83	
Sample Comments:					
48 L & T CR	L	145.00 Ft			
57 WEATHERING	L	4810.00 SqFt			
57 WEATHERING	M	65.00 SqFt	4075.00 ~ 7	DOT OF	
Sample Number: 47	Type: R	Area:	4875.00 SqFt	PCI: 81	
Sample Comments:					
48 L & T CR 57 WEATHERING	L L	237.00 Ft 4875.00 SqFt			
Sample Number: 57	Type: R	Area:	4875.00 SqFt	PCI: 80	
Sample Comments:	- J F - · · · · ·		.0,0.00 bq1 t	2 022	
48 L & T CR	L	204.00 Ft			
57 WEATHERING	L	4845.00 SqFt			
57 WEATHERING	M	30.00 SqFt			
Sample Number: 67	Type: R	Area:	4875.00 SqFt	PCI: 71	
Sample Comments:					
48 L & T CR	L	370.00 Ft			
57 WEATHERING57 WEATHERING	L M	4539.00 SqFt 336.00 SqFt			

Network: M75			Nam	e: Malt	a Airport				
Branch: TW		Name:	Taxiway		Use:	TAXIWAY	Are	ea: 65,300 SqFt	
Section: 01	of 2	F	rom: R-1			To: A-1	AND T-2	Last Cons	t.: 8/1/2010
Surface: AAC Fa	amily: DEF	FAULT	Zone	: MALT		Category:	E	Rank: P	
Area: 37,100 S	SqFt	Length:	1,060 Ft	t	Width:	35 F	`t		
Slabs:	Slab Length:		Ft	Slab Width:		Ft		Joint Length:	Ft
Shoulder:	Street Type:	ACM		Grade: 0				Lanes: 0	
Section Comments:									
Work Date: 8/1/1997	Work T	ype: New	Construction - Initia	al	Co	de: NU-IN		Is Major M&R: True	
Work Date: 8/1/2010	Work T	ype: AC- l	Mill and Overlay		Co	de: AC-MO		Is Major M&R: True	
Work Date: 7/1/2020	Work T	ype: Crack	Sealing - AC		Co	de: CS-AC		Is Major M&R: False	
Work Date: 7/1/2020	Work T	ype: Surfa	ce Seal		Co	de: SS-LO		Is Major M&R: False	
Last Insp. Date: 8/30/2021		TotalSa	amples: 8		Surveyed	l: 4			
Conditions: PCI: 82									
Inspection Comments:									
Sample Number: 02	Type:	R	Area:	4655	.00 SqFt	PCI:	87		
Sample Comments:									
48 L & T CR	Ι		102.00 Ft						
57 WEATHERING	I		4655.00 SqFt						
Sample Number: 03	Type:	R	Area:	4655	.00 SqFt	PCI:	80		
Sample Comments:									
48 L & T CR	I		235.00 Ft						
57 WEATHERING	I		4655.00 SqFt						
Sample Number: 05	Type:	R	Area:	4655	.00 SqFt	PCI:	78		
Sample Comments:									
48 L & T CR	I		202.00 Ft						
48 L & T CR	N	M	4.00 Ft						
57 WEATHERING	I		4655.00 SqFt						
Sample Number: 07	Type:	R	Area:	4655	.00 SqFt	PCI:	81		
Sumple Pumber. 07	- J P				1				

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L & T CR

WEATHERING

211.00 Ft 4655.00 SqFt

Network: M75		Nam	e: Malta Airport				
Branch: TW	Nan	me: Taxiway	Use:	TAXIWAY	Area:	65,300 SqFt	
Section: 02	of 2	From: T-1		To: HANGA TURNA	ARS & AROUND	Last Const.:	8/1/1997
Surface: AC 1	Family: DEFAU	LT Zone	e: MALT	Category: D		Rank: P	
Area: 28,200	SqFt Le	ngth: 1,410 Ft	Width:	20 Ft			
Slabs:	Slab Length:	Ft	Slab Width:	Ft	Joint I	ength: Ft	
Shoulder:	Street Type: AC	CR	Grade: 0		Lanes:	0	
Section Comments:							
Work Date: 8/1/1997	Work Type:	: New Construction - Initi	al (Code: NU-IN	Is	Major M&R: True	
Work Date: 7/1/2020	Work Type:	: Surface Seal		Code: SS-LO	Is	Major M&R: False	
Work Date: 7/1/2020	Work Type:	: Crack Sealing - AC	(Code: CS-AC	Is	Major M&R: False	
Last Insp. Date: 8/30/2021	7	ΓotalSamples: 7	Survey	ed: 4			
Conditions: PCI: 69							
nspection Comments:							
Sample Number: 02	Type: F	R Area:	3720.00 SqFt	PCI: 6	5		
Sample Comments:							
8 L & T CR	L	604.00 Ft					
7 WEATHERING	L	3720.00 SqFt					
Sample Number: 03	Type: I	R Area:	4912.00 SqFt	PCI: 6	4		
Sample Comments:							
5 DEPRESSION	L	66.00 SqFt					
8 L & T CR	L	402.00 Ft					
0 PATCHING	L	800.00 SqFt					
7 WEATHERING	L	4112.00 SqFt	1000.00.00.00				
Sample Number: 04	Type: I	Area:	4880.00 SqFt	PCI: 6	0		
Sample Comments:							
5 DEPRESSION	L	24.00 SqFt					
8 L & T CR	L	710.00 Ft					
0 PATCHING	L	50.00 SqFt					
7 WEATHERING	L	4830.00 SqFt					
Sample Number: 06	Type: F	R Area:	3680.00 SqFt	PCI: 9	1		
Sample Comments:							

3520.00 SqFt 160.00 SqFt

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WEATHERING

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