MALTA AIRPORT

Branch: 61A **APRON** **A-1**

Length: 400 LF **Width:** 240 LF **Area:** 95,800 SF **Last Const. :** 1997 **Family:** 9ACAM
From: ENTIRE APRON **To:** **Surface:** AC

Inspections

Samples Surveyed: 5 **Total Samples:** 20 **Last Inspection Date:** 6/17/2009 **PCI: 57**

Sample # 1 **Area:** 4800 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	267 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	70 LF
LONGITUDINAL/TRANSVERSE CRACKING	H	38 LF
WEATHERING/RAVELING	L	48 SF
DEPRESSION	L	39 SF
DEPRESSION	H	32 SF
ALLIGATOR CRACKING	L	26 SF
WEATHERING/RAVELING	M	2 SF
OIL SPILLAGE	N	2 SF

Sample # 7 **Area:** 4800 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	268 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	29 LF
LONGITUDINAL/TRANSVERSE CRACKING	H	17 LF
WEATHERING/RAVELING	L	48 SF
DEPRESSION	M	12 SF
DEPRESSION	L	5 SF
PATCHING	L	4 SF
OIL SPILLAGE	N	3 SF
WEATHERING/RAVELING	M	1 SF

Sample # 13 **Area:** 4800 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	131 LF
LONGITUDINAL/TRANSVERSE CRACKING	H	80 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	43 LF
OIL SPILLAGE	N	50 SF
WEATHERING/RAVELING	L	48 SF
DEPRESSION	M	17 SF
DEPRESSION	L	7 SF
PATCHING	L	5 SF

Sample # 18 **Area:** 4800 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	H	96 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	94 LF
LONGITUDINAL/TRANSVERSE CRACKING	L	80 LF
WEATHERING/RAVELING	L	48 SF
DEPRESSION	M	32 SF
DEPRESSION	L	10 SF
PATCHING	L	6 SF
WEATHERING/RAVELING	M	1 SF
OIL SPILLAGE	N	1 SF

Sample # 20 **Area:** 4800 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	M	46 LF
WEATHERING/RAVELING	L	48 SF
DEPRESSION	L	5 SF
OIL SPILLAGE	N	5 SF

Extrapolated Distress Quantities*

Distress Description	Severity	Quantity	Density	Deduct
LONGITUDINAL/TRANSVERSE CRACKING	H	922 LF	0.96 %	19.26
DEPRESSION	H	128 SF	0.13 %	13.27
LONGITUDINAL/TRANSVERSE CRACKING	M	1126 LF	1.18 %	12.10
LONGITUDINAL/TRANSVERSE CRACKING	L	2979 LF	3.11 %	10.33
DEPRESSION	M	243 SF	0.25 %	7.05
ALLIGATOR CRACKING	L	104 SF	0.11 %	7.01
WEATHERING/RAVELING	M	16 SF	0.02 %	4.00
OIL SPILLAGE	N	243 SF	0.25 %	2.73
WEATHERING/RAVELING	L	958 SF	1.00 %	2.62
PATCHING	L	60 SF	0.06 %	2.00

MALTA AIRPORT

Branch: 61A **APRON** **A-1**

Extrapolated Distress Quantities*

Distress Description	Severity	Quantity	Density	Deduct
DEPRESSION	L	263 SF	0.27 %	1.41

* Multiple deduct values are scaled down from their algebraic sum to keep the model consistent with experimental data.

Percent of Deduct Values Based on Distress Mechanism

9.0 **% Load** 61.0 **% Climate/Durability** 30.0 **% Other**

MALTA AIRPORT

Branch: 61A **APRON** **A-3**

Length: 144 LF **Width:** 96 LF **Area:** 13,824 SF **Last Const. :** 2003 **Family:** 9PCAA
From: T-2 **To:** A-1 **Surface:** PCC

Inspections

Samples Surveyed: 3 **Total Samples:** 6 **Last Inspection Date:** 6/17/2009 **PCI: 86**

Sample # 1 **Area:** 16 Slabs

Distress Description	Severity	Quantity
LINEAR CRACKING	L	3 Slabs

Sample # 3 **Area:** 16 Slabs

Distress Description	Severity	Quantity
SMALL PATCH	L	6 Slabs

Sample # 6 **Area:** 20 Slabs

Distress Description	Severity	Quantity
LINEAR CRACKING	L	3 Slabs
JOINT SPALLING	L	1 Slabs
FAULTING	L	1 Slabs
LARGE PATCH/UTILITY	L	1 Slabs

Extrapolated Distress Quantities*

Distress Description	Severity	Quantity	Density	Deduct
LINEAR CRACKING	L	11 Slabs	11.54 %	9.54
FAULTING	L	2 Slabs	1.92 %	2.28
LARGE PATCH/UTILITY	L	2 Slabs	1.92 %	1.65
JOINT SPALLING	L	2 Slabs	1.92 %	1.47
SMALL PATCH	L	11 Slabs	11.54 %	1.33

* Multiple deduct values are scaled down from their algebraic sum to keep the model consistent with experimental data.

Percent of Deduct Values Based on Distress Mechanism

59.0 **% Load** 0.0 **% Climate/Durability** 41.0 **% Other**

MALTA AIRPORT

Branch: 61A **APRON** **A-4**

Length: 100 LF **Width:** 45 LF **Area:** 4,500 SF **Last Const. :** 2007 **Family:** 9ACAM
From: T-2 **To:** T-2 **Surface:** AC

Inspections

Samples Surveyed: 3 **Total Samples:** 4 **Last Inspection Date:** 6/17/2009 **PCI: 64**

Sample # 1 **Area:** 4500 SF

Distress Description	Severity	Quantity
DEPRESSION	L	80 SF
WEATHERING/RAVELING	L	43 SF
DEPRESSION	M	21 SF
DEPRESSION	H	6 SF
OIL SPILLAGE	N	6 SF
WEATHERING/RAVELING	M	4 SF

Sample # 2 **Area:** 4500 SF

Distress Description	Severity	Quantity
DEPRESSION	M	329 SF
DEPRESSION	L	259 SF
WEATHERING/RAVELING	L	43 SF
OIL SPILLAGE	N	10 SF
DEPRESSION	H	8 SF
PATCHING	L	1 SF
WEATHERING/RAVELING	M	1 SF

Sample # 3 **Area:** 4500 SF

Distress Description	Severity	Quantity
DEPRESSION	L	102 SF
WEATHERING/RAVELING	L	45 SF
OIL SPILLAGE	N	3 SF
PATCHING	L	1 SF

Extrapolated Distress Quantities*

Distress Description	Severity	Quantity	Density	Deduct
DEPRESSION	M	117 SF	2.59 %	24.34
DEPRESSION	L	147 SF	3.27 %	15.30
DEPRESSION	H	5 SF	0.10 %	12.15
WEATHERING/RAVELING	M	2 SF	0.04 %	4.00
WEATHERING/RAVELING	L	44 SF	0.97 %	2.57
OIL SPILLAGE	N	6 SF	0.14 %	2.13
PATCHING	L	1 SF	0.01 %	2.00

* Multiple deduct values are scaled down from their algebraic sum to keep the model consistent with experimental data.

Percent of Deduct Values Based on Distress Mechanism

0.0 **% Load** 14.0 **% Climate/Durability** 86.0 **% Other**

MALTA AIRPORT

Branch: 61R **RUNWAY** **R-1**

Length: 4,500 LF **Width:** 75 LF **Area:** 337,500 SF **Last Const. :** 1997 **Family:** 9ACRML
From: STA 10+00 **To:** STA 55+00 **Surface:** AC

Inspections

Samples Surveyed: 8 **Total Samples:** 69 **Last Inspection Date:** 6/17/2009 **PCI: 59**

Sample # 2 **Area:** 4875 SF

Distress Description	Severity	Quantity
PATCHING	L	900 SF
PATCHING	H	456 SF
PATCHING	M	444 SF
LONGITUDINAL/TRANSVERSE CRACKING	L	135 LF
DEPRESSION	M	280 SF
DEPRESSION	H	250 SF
DEPRESSION	L	160 SF
LONGITUDINAL/TRANSVERSE CRACKING	M	21 LF
WEATHERING/RAVELING	L	24 SF

Sample # 6 **Area:** 4875 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	208 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	17 LF
WEATHERING/RAVELING	L	24 SF

Sample # 15 **Area:** 4875 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	144 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	109 LF
LONGITUDINAL/TRANSVERSE CRACKING	H	27 LF
DEPRESSION	L	82 SF
WEATHERING/RAVELING	L	49 SF
DEPRESSION	M	9 SF
WEATHERING/RAVELING	M	5 SF
SWELLING	L	1 SF

Sample # 24 **Area:** 4875 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	117 LF
LONGITUDINAL/TRANSVERSE CRACKING	H	71 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	67 LF
DEPRESSION	L	61 SF
WEATHERING/RAVELING	L	24 SF
DEPRESSION	M	14 SF

Sample # 33 **Area:** 4875 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	130 LF
LONGITUDINAL/TRANSVERSE CRACKING	H	77 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	52 LF
DEPRESSION	L	80 SF
WEATHERING/RAVELING	L	24 SF
DEPRESSION	M	23 SF

Sample # 42 **Area:** 4875 SF

Distress Description	Severity	Quantity
PATCHING	L	1800 SF
LONGITUDINAL/TRANSVERSE CRACKING	L	148 LF
LONGITUDINAL/TRANSVERSE CRACKING	H	18 LF
DEPRESSION	L	38 SF
WEATHERING/RAVELING	L	24 SF

Sample # 51 **Area:** 4875 SF

Distress Description	Severity	Quantity
PATCHING	L	3750 SF
LONGITUDINAL/TRANSVERSE CRACKING	L	178 LF
DEPRESSION	L	59 SF
WEATHERING/RAVELING	L	12 SF
LONGITUDINAL/TRANSVERSE CRACKING	H	2 LF

Sample # 60 **Area:** 4875 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	226 LF
LONGITUDINAL/TRANSVERSE CRACKING	H	29 LF

MALTA AIRPORT

Branch: 61R **RUNWAY** **R-1**

LONGITUDINAL/TRANSVERSE CRACKING	M	29	LF
DEPRESSION	L	75	SF
WEATHERING/RAVELING	L	48	SF

Extrapolated Distress Quantities*

Distress Description	Severity	Quantity		Density	Deduct
PATCHING	L	54997	SF	16.30 %	18.54
LONGITUDINAL/TRANSVERSE CRACKING	H	2184	LF	0.65 %	16.11
PATCHING	H	456	SF	0.14 %	15.72
DEPRESSION	H	250	SF	0.07 %	12.00
LONGITUDINAL/TRANSVERSE CRACKING	L	11357	LF	3.37 %	10.97
LONGITUDINAL/TRANSVERSE CRACKING	M	2692	LF	0.80 %	10.17
DEPRESSION	L	4010	SF	1.19 %	7.67
PATCHING	M	444	SF	0.13 %	6.73
DEPRESSION	M	728	SF	0.22 %	6.44
WEATHERING/RAVELING	M	49	SF	0.01 %	4.00
WEATHERING/RAVELING	L	2022	SF	0.60 %	1.95
SWELLING	L	10	SF	0.00 %	1.00

* Multiple deduct values are scaled down from their algebraic sum to keep the model consistent with experimental data.

Percent of Deduct Values Based on Distress Mechanism

0.0 **% Load** 76.0 **% Climate/Durability** 24.0 **% Other**

MALTA AIRPORT

Branch: 61T **TAXIWAY** **T-1**

Length: 1,060 LF **Width:** 35 LF **Area:** 37,100 SF **Last Const. :** 1997 **Family:** 9ACRML
From: R-1 **To:** A-1 AND T-2 **Surface:** AC

Inspections

Samples Surveyed: 4 **Total Samples:** 8 **Last Inspection Date:** 6/17/2009 **PCI: 61**

Sample # 3 **Area:** 4655 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	195 LF
LONGITUDINAL/TRANSVERSE CRACKING	H	42 LF
DEPRESSION	L	122 SF
WEATHERING/RAVELING	L	23 SF

Sample # 4 **Area:** 4655 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	288 LF
DEPRESSION	L	252 SF
LONGITUDINAL/TRANSVERSE CRACKING	H	68 LF
WEATHERING/RAVELING	L	45 SF

Sample # 7 **Area:** 4655 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	266 LF
LONGITUDINAL/TRANSVERSE CRACKING	H	43 LF
WEATHERING/RAVELING	L	135 SF
DEPRESSION	L	75 SF
DEPRESSION	M	6 SF

Sample # 8 **Area:** 4655 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	129 LF
LONGITUDINAL/TRANSVERSE CRACKING	H	64 LF
DEPRESSION	L	100 SF
DEPRESSION	H	40 SF
DEPRESSION	M	35 SF
WEATHERING/RAVELING	L	22 SF

Extrapolated Distress Quantities*

Distress Description	Severity	Quantity	Density	Deduct
LONGITUDINAL/TRANSVERSE CRACKING	H	432 LF	1.17 %	21.06
DEPRESSION	H	80 SF	0.21 %	15.69
DEPRESSION	L	1094 SF	2.95 %	14.40
LONGITUDINAL/TRANSVERSE CRACKING	L	1750 LF	4.72 %	14.15
DEPRESSION	M	82 SF	0.22 %	6.51
WEATHERING/RAVELING	L	448 SF	1.21 %	2.93

* Multiple deduct values are scaled down from their algebraic sum to keep the model consistent with experimental data.

Percent of Deduct Values Based on Distress Mechanism

0.0 **% Load** 51.0 **% Climate/Durability** 49.0 **% Other**

MALTA AIRPORT

Branch: 61T **TAXIWAY** **T-2**

Length: 1,410 LF **Width:** 20 LF **Area:** 28,200 SF **Last Const. :** 1997 **Family:** 9ACRML
From: T-1 **To:** HANGARS & TURNAROUND **Surface:** AC

Inspections

Samples Surveyed: 4 **Total Samples:** 7 **Last Inspection Date:** 6/17/2009 **PCI: 66**

Sample # 1 **Area:** 3720 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	129 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	46 LF
OIL SPILLAGE	N	29 SF
WEATHERING/RAVELING	L	27 SF
LONGITUDINAL/TRANSVERSE CRACKING	H	8 LF
DEPRESSION	L	26 SF
DEPRESSION	M	16 SF
OIL SPILLAGE	N	16 SF
WEATHERING/RAVELING	M	1 SF

Sample # 4 **Area:** 4880 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	120 LF
DEPRESSION	L	309 SF
WEATHERING/RAVELING	L	49 SF
LONGITUDINAL/TRANSVERSE CRACKING	H	14 LF
PATCHING	L	1 SF

Sample # 5 **Area:** 5000 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	103 LF
WEATHERING/RAVELING	L	25 SF
DEPRESSION	L	21 SF

Sample # 7 **Area:** 3680 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	146 LF
LONGITUDINAL/TRANSVERSE CRACKING	H	73 LF
WEATHERING/RAVELING	L	100 SF
DEPRESSION	H	88 SF
DEPRESSION	M	12 SF

Extrapolated Distress Quantities*

Distress Description	Severity	Quantity	Density	Deduct
DEPRESSION	H	144 SF	0.51 %	21.03
LONGITUDINAL/TRANSVERSE CRACKING	H	155 LF	0.55 %	15.02
DEPRESSION	L	581 SF	2.06 %	11.48
LONGITUDINAL/TRANSVERSE CRACKING	L	813 LF	2.88 %	9.74
LONGITUDINAL/TRANSVERSE CRACKING	M	75 LF	0.27 %	6.07
DEPRESSION	M	46 SF	0.16 %	5.64
WEATHERING/RAVELING	M	2 SF	0.01 %	4.00
WEATHERING/RAVELING	L	328 SF	1.16 %	2.87
OIL SPILLAGE	N	73 SF	0.26 %	2.75
PATCHING	L	2 SF	0.01 %	2.00

* Multiple deduct values are scaled down from their algebraic sum to keep the model consistent with experimental data.

Percent of Deduct Values Based on Distress Mechanism

0.0 **% Load** 49.0 **% Climate/Durability** 51.0 **% Other**

MALTA AIRPORT

FIRST YEAR LOCAL:2010 LOCAL REPAIR COST: $85,207

Section	Distress Description	Severity	Quantity	Work Description	Quantity	Cost	Policy
A-1	L & T CR	H	923 LF	Crack Sealing - AC	923 LF	$1,383	PREV.
A-1	L & T CR	M	1126 LF	Crack Sealing - AC	1126 LF	$1,689	PREV.
A-1	OIL SPILLAGE	N	244 SF	Patching - AC Shallow	311 SF	$4,654	PREV.
A-1	DEPRESSION	H	128 SF	Patching - AC Deep	178 SF	$6,557	PREV.
A-1	DEPRESSION	M	244 SF	Patching - AC Deep	311 SF	$11,481	PREV.
A-4	OIL SPILLAGE	N	7 SF	Patching - AC Shallow	21 SF	$307	PREV.
A-4	DEPRESSION	H	5 SF	Patching - AC Deep	18 SF	$642	PREV.
A-4	DEPRESSION	M	117 SF	Patching - AC Deep	165 SF	$6,073	PREV.
R-1	L & T CR	H	2184 LF	Crack Sealing - AC	2184 LF	$3,276	SAFET
R-1	DEPRESSION	H	250 SF	Patching - AC Deep	318 SF	$11,753	SAFET
R-1	PATCHING	H	456 SF	Patching - AC Deep	546 SF	$20,200	SAFET
T-1	L & T CR	H	433 LF	Crack Sealing - AC	433 LF	$649	SAFET
T-1	DEPRESSION	H	80 SF	Patching - AC Deep	120 SF	$4,426	SAFET
T-2	L & T CR	M	76 LF	Crack Sealing - AC	76 LF	$113	PREV.
T-2	L & T CR	H	156 LF	Crack Sealing - AC	156 LF	$233	PREV.
T-2	OIL SPILLAGE	N	74 SF	Patching - AC Shallow	112 SF	$1,679	PREV.
T-2	DEPRESSION	M	46 SF	Patching - AC Deep	77 SF	$2,845	PREV.
T-2	DEPRESSION	H	144 SF	Patching - AC Deep	196 SF	$7,246	PREV.

FIFTEEN YEAR PROJECTIONS: ESTIMATED AVERAGE ANNUAL COST: $100,236

PLAN YEAR: 2010 ESTIMATED COST: $911,539

SectionI	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	PCI before	PCI after
A-1	Prev. & Thin AC	$25,765	$153,280			$179,045	55	69
A-4	Basic Prev.	$7,022				$7,022	62	62
R-1	Reconstruct			$604,780		$604,780	57	100
T-1	Reconstruct			$63,455		$63,455	60	100
T-2	Prev. & Thin AC	$12,116	$45,120			$57,236	65	73

PLAN YEAR: 2011 ESTIMATED COST: $5,937

SectionI	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	PCI before	PCI after
A-1	Basic Prev.	$4,371				$4,371	67	67
A-3	Basic Prev.	$214				$214	81	81
A-4	Basic Prev.	$249				$249	60	60
T-2	Basic Prev.	$1,103				$1,103	71	71

PLAN YEAR: 2012 ESTIMATED COST: $6,510

SectionI	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	PCI before	PCI after
A-1	Basic Prev.	$4,722				$4,722	64	64
A-3	Basic Prev.	$316				$316	77	77
A-4	Basic Prev.	$285				$285	57	57
T-2	Basic Prev.	$1,187				$1,187	69	69

PLAN YEAR: 2013 ESTIMATED COST: $8,313

SectionI	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	PCI before	PCI after
A-1	Basic Prev.	$5,076				$5,076	61	61
A-3	Basic Prev.	$417				$417	74	74
A-4	Basic Prev.	$321				$321	54	54
R-1	Basic Prev.	$1,135				$1,135	88	88
T-1	Basic Prev.	$125				$125	88	88
T-2	Basic Prev.	$1,239				$1,239	68	68

PLAN YEAR: 2014 ESTIMATED COST: $11,248

SectionI	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	PCI before	PCI after
A-1	Basic Prev.	$5,676				$5,676	58	58
A-3	Basic Prev.	$510				$510	72	72
A-4	Basic Prev.	$360				$360	51	51
R-1	Basic Prev.	$3,076				$3,076	84	84
T-1	Basic Prev.	$338				$338	84	84
T-2	Basic Prev.	$1,288				$1,288	67	67

PLAN YEAR: 2015 ESTIMATED COST: $98,351

SectionI	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	PCI before	PCI after
A-1	Basic Prev.	$6,445				$6,445	55	55
A-3	Basic Prev.	$584				$584	69	69
A-4	Reconstruct			$9,691		$9,691	48	100
R-1	Prev. & Fog Seal	$4,838	$67,501			$72,339	81	88
T-1	Prev. & Fog Seal	$532	$7,420			$7,952	81	88
T-2	Basic Prev.	$1,339				$1,339	65	65

MALTA AIRPORT

PLAN YEAR: 2016					ESTIMATED COST:	$12,677	PCI	
SectionI	**Maintenance**	**Local**	**Global**	**Major<Crit**	**Major>Crit**	**Total**	**before**	**after**
A-1	Basic Prev.	$7,239				$7,239	52	52
A-3	Basic Prev.	$626				$626	67	67
R-1	Basic Prev.	$3,076				$3,076	84	84
T-1	Basic Prev.	$338				$338	84	84
T-2	Basic Prev.	$1,397				$1,397	64	64

PLAN YEAR: 2017					ESTIMATED COST:	$207,469	PCI	
SectionI	**Maintenance**	**Local**	**Global**	**Major<Crit**	**Major>Crit**	**Total**	**before**	**after**
A-1	Reconstruct			$199,962		$199,962	49	100
A-3	Basic Prev.	$665				$665	65	65
R-1	Basic Prev.	$4,844				$4,844	81	81
T-1	Basic Prev.	$533				$533	81	81
T-2	Basic Prev.	$1,465				$1,465	62	62

PLAN YEAR: 2018					ESTIMATED COST:	$56,619	PCI	
SectionI	**Maintenance**	**Local**	**Global**	**Major<Crit**	**Major>Crit**	**Total**	**before**	**after**
A-3	Basic Prev.	$700				$700	63	63
A-4	Basic Prev.	$17				$17	88	88
R-1	Basic Prev.	$6,845				$6,845	78	78
T-1	Basic Prev.	$752				$752	78	78
T-2	Reconstruct			$48,304		$48,304	60	100

PLAN YEAR: 2019					ESTIMATED COST:	$10,688	PCI	
SectionI	**Maintenance**	**Local**	**Global**	**Major<Crit**	**Major>Crit**	**Total**	**before**	**after**
A-3	Basic Prev.	$733				$733	61	61
A-4	Basic Prev.	$44				$44	84	84
R-1	Basic Prev.	$8,930				$8,930	76	76
T-1	Basic Prev.	$982				$982	76	76

PLAN YEAR: 2020					ESTIMATED COST:	$88,940	PCI	
SectionI	**Maintenance**	**Local**	**Global**	**Major<Crit**	**Major>Crit**	**Total**	**before**	**after**
A-1	Basic Prev.	$362				$362	88	88
A-3	Basic Prev.	$773				$773	59	59
A-4	Prev. & Fog Seal	$69	$900			$969	81	88
R-1	Prev. & Fog Seal	$10,736	$67,501			$78,236	74	78
T-1	Prev. & Fog Seal	$1,180	$7,420			$8,600	74	78

PLAN YEAR: 2021					ESTIMATED COST:	$11,808	PCI	
SectionI	**Maintenance**	**Local**	**Global**	**Major<Crit**	**Major>Crit**	**Total**	**before**	**after**
A-1	Basic Prev.	$930				$930	84	84
A-3	Basic Prev.	$828				$828	58	58
A-4	Basic Prev.	$44				$44	84	84
R-1	Basic Prev.	$8,930				$8,930	76	76
T-1	Basic Prev.	$982				$982	76	76
T-2	Basic Prev.	$95				$95	88	88

PLAN YEAR: 2022					ESTIMATED COST:	$33,752	PCI	
SectionI	**Maintenance**	**Local**	**Global**	**Major<Crit**	**Major>Crit**	**Total**	**before**	**after**
A-1	Prev. & Fog Seal	$1,461	$19,160			$20,622	81	88
A-3	Basic Prev.	$879				$879	57	57
A-4	Basic Prev.	$69				$69	81	81
R-1	Basic Prev.	$10,745				$10,745	74	74
T-1	Basic Prev.	$1,181				$1,181	74	74
T-2	Basic Prev.	$257				$257	84	84

PLAN YEAR: 2023					ESTIMATED COST:	$21,675	PCI	
SectionI	**Maintenance**	**Local**	**Global**	**Major<Crit**	**Major>Crit**	**Total**	**before**	**after**
A-1	Basic Prev.	$928				$928	84	84
A-3	Basic Prev.	$924				$924	56	56
A-4	Basic Prev.	$102				$102	78	78
R-1	Basic Prev.	$12,322				$12,322	72	72
T-1	Basic Prev.	$1,355				$1,355	72	72
T-2	Prev. & Fog Seal	$404	$5,640			$6,044	81	88

PLAN YEAR: 2024					ESTIMATED COST:	$18,011	PCI	
SectionI	**Maintenance**	**Local**	**Global**	**Major<Crit**	**Major>Crit**	**Total**	**before**	**after**
A-1	Basic Prev.	$1,461				$1,461	81	81
A-3	Basic Prev.	$964				$964	55	55
A-4	Basic Prev.	$135				$135	74	74
R-1	Basic Prev.	$13,689				$13,689	70	70
T-1	Basic Prev.	$1,505				$1,505	70	70
T-2	Basic Prev.	$257				$257	84	84

MALTA AIRPORT

6/17/2009

A-1, overview with crack & depression

A-1, surface detail

A-3, surface detail with crack & joint

A-3, overview

MALTA AIRPORT

6/17/2009

A-4, surface detail

A-4, depression

T-1, overview with depression

T-1, surface detail with cracks

MALTA AIRPORT

6/17/2009

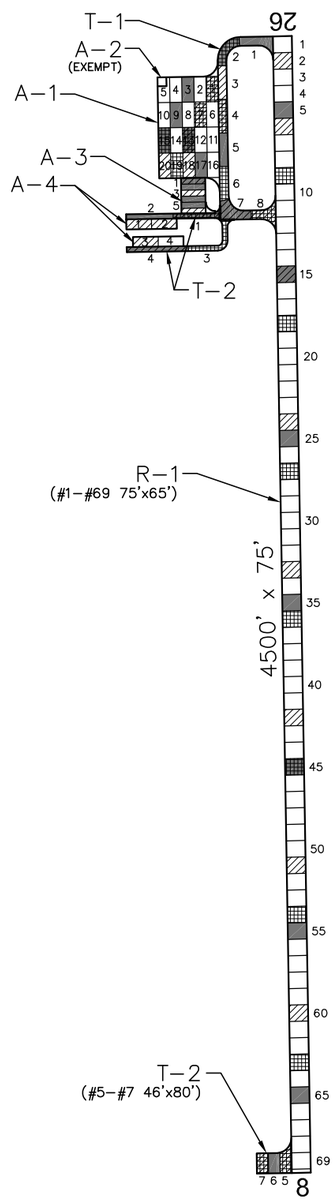
T-2, overview with depression

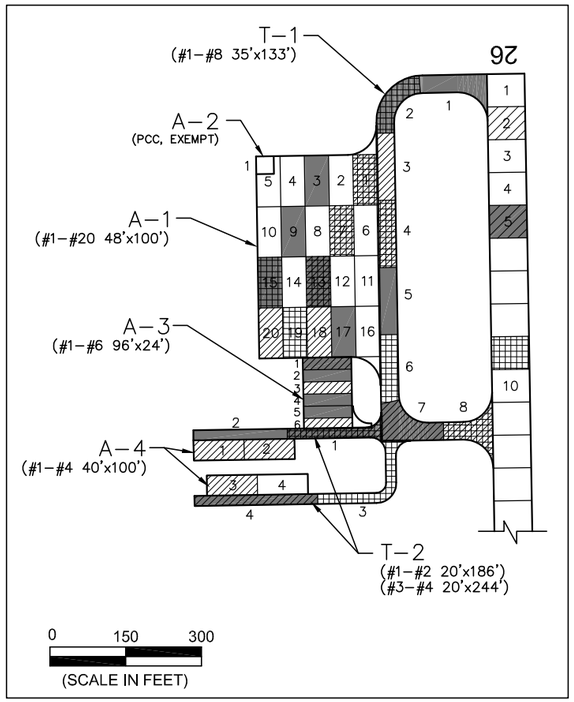
T-2, surface detail with cracks & depression

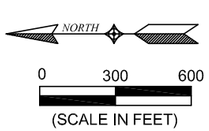
R-1, surface detail with cracks & depressions

R-1, overview

MALTA







PAVEMENT STRENGTH SURVEY/PAVEMENT CONDITION SURVEY

MALTA

PAVE. IDENT.	SOIL CLASS	SUB GRADE CLASS	SUBBASE COURSE	BASE COURSE	SURFACE COURSE	OVERLAY	PAVEMENT STRENGTH MAX. GROSS LOAD (LBS) SINGLE	DUAL	DUAL TAN.	REMARKS
RUNWAYS										
R–1		CBR=2.1	GEOGRID & FABRIC 14" P–154		4" P–401	P–609	12,500			1 2 4
TAXIWAYS										
T–1		CBR=2.1	GEOGRID & FABRIC 14" P–154		4" P–401	P–609	12,500			1 2 4
T–2		CBR=2.1	GEOGRID & FABRIC 14" P–154		4" P–401	P–609	12,500			1 2 4
APRONS										
A–1		CBR=2.1	GEOGRID & FABRIC 14" P–154	2" P–401	2" P–401	P–609	12,500			1 2 4
A–2				UNKNOWN						
A–3			GEOGRID & FABRIC 12" P–154	6" P–208	6" P–501					3 4
A–4		8" P–152	14" P–158	4" P–208	4" P–403		12,500			4

REMARKS:

1. AIP–01 & –02, 1996–1998, ALL NEW CONSTRUCTION. EXISTING GROUND WAS OVERLAYED WITH A GEOGRID AND AT LEAST 30" OF SELECT BORROW UNDER ALL PAVEMENT SECTIONS.
2. AIP–03, 2002, LEVEL DEPRESSIONS ON RUNWAY 8–26, CRACK SEAL, FOG SEAL, AND REMARK ALL PAVEMENTS.
3. AIP–004–2003, CONSTRUCT CONCRETE PAD (A–2), CONSTRUCT CONCRETE APRON (A–3) FOR JET USE.
4. AIP–006–2007, CONSTRUCT APRONS A–4; LEVEL DEPRESSIONS ON RUNWAY 8–26; CRACK SEAL, FOG SEAL, AND REMARK ALL PAVEMENTS.

LEGEND

- 1997 SURVEY AREA (NOT SURVEYED)
- 2000 SURVEY AREA (NOT SURVEYED)
- 2003 SURVEY AREA
- 2006 SURVEY AREA
- 2009 SURVEY AREA

DATE OF PAVEMENT STRENGTH SURVEY:	
EVALUATED BY:	
DATE OF MOST RECENT PAVEMENT CONDITION SURVEY:	JUNE 17, 2009
EVALUATED BY:	B. BURKLAND

MONTANA AVIATION SYSTEM PLAN
2009 UPDATE - PAVEMENT CONDITION INDEXES

MALTA AIRPORT

PREPARED FOR: MONTANA AERONAUTICS DIVISION ORO Y PLATA

MALTA MONTANA

DATE: NOV. 2009

PREPARED BY: RPA