HAMILTON AIRPORT

Branch: 06A **APRON** **A-1**

Length: 380 LF **Width:** 150 LF **Area:** 57,000 SF **Last Const. :** 1980 **Family:** 9STPA
From: STA 0+00 A1 **To:** STA 3+80 A1 **Surface:** ST

Inspections

Samples Surveyed: 4 **Total Samples:** 13 **Last Inspection Date:** 10/31/2009 **PCI: 30**

Sample # 1 **Area:** 2850 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	M	95 LF
WEATHERING/RAVELING	L	300 SF
WEATHERING/RAVELING	M	30 SF

Sample # 5 **Area:** 4085 SF

Distress Description	Severity	Quantity
WEATHERING/RAVELING	L	2500 SF
LONGITUDINAL/TRANSVERSE CRACKING	M	650 LF
WEATHERING/RAVELING	M	1700 SF
LONGITUDINAL/TRANSVERSE CRACKING	L	361 LF
LONGITUDINAL/TRANSVERSE CRACKING	H	138 LF
DEPRESSION	L	350 SF
DEPRESSION	M	32 SF
DEPRESSION	H	24 SF
WEATHERING/RAVELING	H	20 SF
DEPRESSION	H	2 SF

Sample # 7 **Area:** 4085 SF

Distress Description	Severity	Quantity
WEATHERING/RAVELING	L	2500 SF
LONGITUDINAL/TRANSVERSE CRACKING	M	353 LF
LONGITUDINAL/TRANSVERSE CRACKING	L	223 LF
WEATHERING/RAVELING	M	560 SF
WEATHERING/RAVELING	H	280 SF
BLEEDING	N	120 SF
DEPRESSION	L	70 SF
ALLIGATOR CRACKING	L	15 SF
ALLIGATOR CRACKING	M	15 SF
SWELLING	L	9 SF

Sample # 11 **Area:** 4085 SF

Distress Description	Severity	Quantity
WEATHERING/RAVELING	L	2500 SF
WEATHERING/RAVELING	M	1500 SF
LONGITUDINAL/TRANSVERSE CRACKING	L	350 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	236 LF
DEPRESSION	L	345 SF
WEATHERING/RAVELING	H	220 SF
BLEEDING	N	100 SF
OIL SPILLAGE	N	2 SF

Extrapolated Distress Quantities*

Distress Description	Severity	Quantity	Density	Deduct
WEATHERING/RAVELING	H	1962 SF	3.44 %	35.00
LONGITUDINAL/TRANSVERSE CRACKING	M	5035 LF	8.83 %	34.40
WEATHERING/RAVELING	M	14302 SF	25.09 %	31.15
WEATHERING/RAVELING	L	29434 SF	51.64 %	20.52
DEPRESSION	L	2887 SF	5.06 %	19.45
LONGITUDINAL/TRANSVERSE CRACKING	H	521 LF	0.91 %	18.80
LONGITUDINAL/TRANSVERSE CRACKING	L	3525 LF	6.18 %	17.16
DEPRESSION	H	98 SF	0.17 %	14.52
ALLIGATOR CRACKING	M	57 SF	0.10 %	10.00
BLEEDING	N	830 SF	1.46 %	7.81
ALLIGATOR CRACKING	L	57 SF	0.10 %	7.00
DEPRESSION	M	121 SF	0.21 %	6.37
OIL SPILLAGE	N	8 SF	0.01 %	2.00
SWELLING	L	34 SF	0.06 %	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

8.0 **% Load** 69.0 **% Climate/Durability** 23.0 **% Other**

HAMILTON AIRPORT

Branch: 06A **APRON** **A-2**

Length: 0 LF **Width:** 0 LF **Area:** 145,800 SF **Last Const. :** 1983 **Family:** 9STPA
From: STA 0+00 A2 **To:** STA 6+60 A2 **Surface:** ST

Inspections

Samples Surveyed: 5 **Total Samples:** 32 **Last Inspection Date:** 10/31/2009 **PCI: 34**

Sample # 7 **Area:** 4700 SF

Distress Description	Severity	Quantity
WEATHERING/RAVELING	L	2400 SF
WEATHERING/RAVELING	M	500 SF
LONGITUDINAL/TRANSVERSE CRACKING	L	122 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	70 LF
DEPRESSION	L	120 SF
ALLIGATOR CRACKING	L	100 SF
BLEEDING	N	36 SF
PATCHING	M	12 SF

Sample # 9 **Area:** 4700 SF

Distress Description	Severity	Quantity
ALLIGATOR CRACKING	M	2500 SF
WEATHERING/RAVELING	L	2400 SF
WEATHERING/RAVELING	M	500 SF
ALLIGATOR CRACKING	L	100 SF
DEPRESSION	L	100 SF

Sample # 15 **Area:** 4700 SF

Distress Description	Severity	Quantity
WEATHERING/RAVELING	L	2400 SF
LONGITUDINAL/TRANSVERSE CRACKING	L	345 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	300 LF
WEATHERING/RAVELING	M	500 SF
ALLIGATOR CRACKING	L	216 SF
OIL SPILLAGE	N	145 SF
DEPRESSION	L	140 SF
ALLIGATOR CRACKING	M	50 SF
LONGITUDINAL/TRANSVERSE CRACKING	H	15 LF
PATCHING	M	28 SF
PATCHING	H	16 SF

Sample # 23 **Area:** 4700 SF

Distress Description	Severity	Quantity
WEATHERING/RAVELING	L	2400 SF
LONGITUDINAL/TRANSVERSE CRACKING	L	199 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	190 LF
PATCHING	M	20 SF
ALLIGATOR CRACKING	L	18 SF
OIL SPILLAGE	N	12 SF
WEATHERING/RAVELING	H	6 SF

Sample # 31 **Area:** 3000 SF

Distress Description	Severity	Quantity
WEATHERING/RAVELING	L	1000 SF
WEATHERING/RAVELING	M	500 SF
LONGITUDINAL/TRANSVERSE CRACKING	L	80 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	33 LF
DEPRESSION	L	50 SF
WEATHERING/RAVELING	H	7 SF

Extrapolated Distress Quantities*

Distress Description	Severity	Quantity	Density	Deduct
ALLIGATOR CRACKING	M	17054 SF	11.70 %	58.30
ALLIGATOR CRACKING	L	2903 SF	1.99 %	27.05
WEATHERING/RAVELING	L	70893 SF	48.62 %	20.04
WEATHERING/RAVELING	M	13376 SF	9.17 %	19.90
LONGITUDINAL/TRANSVERSE CRACKING	M	3967 LF	2.72 %	18.49
PATCHING	H	107 SF	0.07 %	15.50
LONGITUDINAL/TRANSVERSE CRACKING	L	4991 LF	3.42 %	11.12
DEPRESSION	L	2742 SF	1.88 %	10.80
LONGITUDINAL/TRANSVERSE CRACKING	H	100 LF	0.07 %	7.50
PATCHING	M	401 SF	0.28 %	7.45
WEATHERING/RAVELING	H	87 SF	0.06 %	6.00
OIL SPILLAGE	N	1050 SF	0.72 %	3.26

HAMILTON AIRPORT

Branch: 06A **APRON** **A-2**

Extrapolated Distress Quantities*

Distress Description	Severity	Quantity	Density	Deduct
BLEEDING	N	241 SF	0.17 %	0.64

* 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

41.0 **% Load** 52.0 **% Climate/Durability** 7.0 **% Other**

HAMILTON AIRPORT

Branch: 06R **RUNWAY** **R-1A**

Length: 2,200 LF **Width:** 75 LF **Area:** 165,000 SF **Last Const. :** 1992 **Family:** 9ACRMU
From: STA 12+00 **To:** STA 34+00 **Surface:** AC

Inspections

Samples Surveyed: 6 **Total Samples:** 34 **Last Inspection Date:** 10/31/2009 **PCI: 67**

Sample # 1 **Area:** 4875 SF

Distress Description	Severity	Quantity
WEATHERING/RAVELING	L	1000 SF
LONGITUDINAL/TRANSVERSE CRACKING	L	151 LF
WEATHERING/RAVELING	M	80 SF
LONGITUDINAL/TRANSVERSE CRACKING	M	4 LF
SWELLING	L	5 SF

Sample # 7 **Area:** 4875 SF

Distress Description	Severity	Quantity
WEATHERING/RAVELING	L	1000 SF
PATCHING	L	525 SF
LONGITUDINAL/TRANSVERSE CRACKING	L	36 LF
WEATHERING/RAVELING	M	40 SF
LONGITUDINAL/TRANSVERSE CRACKING	M	4 LF
WEATHERING/RAVELING	H	4 SF

Sample # 13 **Area:** 4875 SF

Distress Description	Severity	Quantity
WEATHERING/RAVELING	L	1000 SF
LONGITUDINAL/TRANSVERSE CRACKING	L	205 LF
WEATHERING/RAVELING	M	30 SF
LONGITUDINAL/TRANSVERSE CRACKING	M	8 LF
LONGITUDINAL/TRANSVERSE CRACKING	H	6 LF

Sample # 19 **Area:** 4875 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	340 LF
WEATHERING/RAVELING	L	1000 SF
WEATHERING/RAVELING	M	60 SF
LONGITUDINAL/TRANSVERSE CRACKING	M	8 LF

Sample # 25 **Area:** 4875 SF

Distress Description	Severity	Quantity
WEATHERING/RAVELING	L	1000 SF
LONGITUDINAL/TRANSVERSE CRACKING	L	302 LF
WEATHERING/RAVELING	M	60 SF
LONGITUDINAL/TRANSVERSE CRACKING	M	8 LF

Sample # 31 **Area:** 4875 SF

Distress Description	Severity	Quantity
WEATHERING/RAVELING	L	1000 SF
LONGITUDINAL/TRANSVERSE CRACKING	L	282 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	21 LF
WEATHERING/RAVELING	M	60 SF

Extrapolated Distress Quantities*

Distress Description	Severity	Quantity	Density	Deduct
WEATHERING/RAVELING	L	33846 SF	20.51 %	13.87
LONGITUDINAL/TRANSVERSE CRACKING	L	7425 LF	4.50 %	13.67
WEATHERING/RAVELING	M	1862 SF	1.13 %	8.24
LONGITUDINAL/TRANSVERSE CRACKING	H	34 LF	0.02 %	7.50
WEATHERING/RAVELING	H	23 SF	0.01 %	6.00
PATCHING	L	2962 SF	1.79 %	5.18
LONGITUDINAL/TRANSVERSE CRACKING	M	299 LF	0.18 %	4.86
SWELLING	L	28 SF	0.02 %	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** 98.0 **% Climate/Durability** 2.0 **% Other**

HAMILTON AIRPORT

Branch: 06R **RUNWAY** **R-2**

Length: 2,000 LF **Width:** 75 LF **Area:** 150,000 SF **Last Const. :** 1992 **Family:** 9ACRMU
From: STA 34+00 **To:** STA 54+00 **Surface:** AC

Inspections

Samples Surveyed: 6 **Total Samples:** 31 **Last Inspection Date:** 10/31/2009 **PCI: 74**

Sample # 5 **Area:** 4875 SF

Distress Description	Severity	Quantity
WEATHERING/RAVELING	L	800 SF
LONGITUDINAL/TRANSVERSE CRACKING	L	129 LF
WEATHERING/RAVELING	M	250 SF
LONGITUDINAL/TRANSVERSE CRACKING	M	2 LF
WEATHERING/RAVELING	H	1 SF

Sample # 10 **Area:** 4875 SF

Distress Description	Severity	Quantity
WEATHERING/RAVELING	L	800 SF
WEATHERING/RAVELING	M	125 SF
LONGITUDINAL/TRANSVERSE CRACKING	L	33 LF
WEATHERING/RAVELING	H	1 SF

Sample # 15 **Area:** 4875 SF

Distress Description	Severity	Quantity
WEATHERING/RAVELING	L	800 SF
LONGITUDINAL/TRANSVERSE CRACKING	L	171 LF
WEATHERING/RAVELING	M	80 SF

Sample # 20 **Area:** 4875 SF

Distress Description	Severity	Quantity
WEATHERING/RAVELING	L	800 SF
LONGITUDINAL/TRANSVERSE CRACKING	L	184 LF
WEATHERING/RAVELING	M	70 SF

Sample # 25 **Area:** 4875 SF

Distress Description	Severity	Quantity
WEATHERING/RAVELING	L	800 SF
LONGITUDINAL/TRANSVERSE CRACKING	L	176 LF
WEATHERING/RAVELING	M	100 SF
OIL SPILLAGE	N	12 SF

Sample # 30 **Area:** 4875 SF

Distress Description	Severity	Quantity
WEATHERING/RAVELING	L	800 SF
LONGITUDINAL/TRANSVERSE CRACKING	L	144 LF
WEATHERING/RAVELING	M	80 SF

Extrapolated Distress Quantities*

Distress Description	Severity	Quantity	Density	Deduct
WEATHERING/RAVELING	L	24615 SF	16.41 %	12.51
WEATHERING/RAVELING	M	3615 SF	2.41 %	11.17
LONGITUDINAL/TRANSVERSE CRACKING	L	4293 LF	2.86 %	9.69
WEATHERING/RAVELING	H	10 SF	0.01 %	6.00
LONGITUDINAL/TRANSVERSE CRACKING	M	10 LF	0.01 %	4.00
OIL SPILLAGE	N	62 SF	0.04 %	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** 96.0 **% Climate/Durability** 4.0 **% Other**

HAMILTON AIRPORT

Branch: 06T **TAXIWAY** **T-2**

Length: 1,885 LF **Width:** 30 LF **Area:** 56,550 SF **Last Const. :** 1994 **Family:** 9ACRMU
From: STA 0+00 T2 **To:** STA 14+30 T2 **Surface:** AC

Inspections

Samples Surveyed: 4 **Total Samples:** 11 **Last Inspection Date:** 10/31/2009 **PCI: 22**

Sample # 2 **Area:** 6000 SF

Distress Description	Severity	Quantity
WEATHERING/RAVELING	H	1800 SF
WEATHERING/RAVELING	L	1800 SF
WEATHERING/RAVELING	M	1800 SF
LONGITUDINAL/TRANSVERSE CRACKING	H	140 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	118 LF
LONGITUDINAL/TRANSVERSE CRACKING	L	28 LF
ALLIGATOR CRACKING	L	64 SF
ALLIGATOR CRACKING	M	5 SF

Sample # 3 **Area:** 4950 SF

Distress Description	Severity	Quantity
WEATHERING/RAVELING	L	1200 SF
WEATHERING/RAVELING	H	364 SF
LONGITUDINAL/TRANSVERSE CRACKING	H	72 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	60 LF
WEATHERING/RAVELING	M	180 SF
LONGITUDINAL/TRANSVERSE CRACKING	L	20 LF
ALLIGATOR CRACKING	L	60 SF
ALLIGATOR CRACKING	M	30 SF
DEPRESSION	L	27 SF
ALLIGATOR CRACKING	H	12 SF

Sample # 7 **Area:** 4950 SF

Distress Description	Severity	Quantity
WEATHERING/RAVELING	L	1650 SF
PATCHING	M	450 SF
LONGITUDINAL/TRANSVERSE CRACKING	L	114 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	114 LF
ALLIGATOR CRACKING	L	316 SF
WEATHERING/RAVELING	H	110 SF
LONGITUDINAL/TRANSVERSE CRACKING	H	25 LF
WEATHERING/RAVELING	M	80 SF
ALLIGATOR CRACKING	M	34 SF

Sample # 8 **Area:** 4950 SF

Distress Description	Severity	Quantity
WEATHERING/RAVELING	L	1650 SF
LONGITUDINAL/TRANSVERSE CRACKING	M	254 LF
WEATHERING/RAVELING	M	246 SF
LONGITUDINAL/TRANSVERSE CRACKING	L	71 LF
WEATHERING/RAVELING	H	224 SF
ALLIGATOR CRACKING	L	190 SF
LONGITUDINAL/TRANSVERSE CRACKING	H	52 LF
ALLIGATOR CRACKING	M	125 SF

Extrapolated Distress Quantities*

Distress Description	Severity	Quantity	Density	Deduct
WEATHERING/RAVELING	H	6775 SF	11.98 %	54.50
ALLIGATOR CRACKING	L	1709 SF	3.02 %	31.15
ALLIGATOR CRACKING	M	526 SF	0.93 %	28.48
LONGITUDINAL/TRANSVERSE CRACKING	H	784 LF	1.39 %	22.85
WEATHERING/RAVELING	M	6254 SF	11.06 %	21.63
LONGITUDINAL/TRANSVERSE CRACKING	M	1481 LF	2.62 %	18.11
WEATHERING/RAVELING	L	17087 SF	30.22 %	16.45
ALLIGATOR CRACKING	H	33 SF	0.06 %	16.00
PATCHING	M	1220 SF	2.16 %	12.86
LONGITUDINAL/TRANSVERSE CRACKING	L	632 LF	1.12 %	5.20
DEPRESSION	L	73 SF	0.13 %	0.34

* 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

33.0 **% Load** 67.0 **% Climate/Durability** 0.0 **% Other**

HAMILTON AIRPORT

Branch: 06T **TAXIWAY** **T-3**

Length: 2,735 LF **Width:** 30 LF **Area:** 82,050 SF **Last Const. :** 1983 **Family:** 9STPA
From: STA 0+00 T3 **To:** STA 23+00 T3 **Surface:** ST

Inspections

Samples Surveyed: 5 **Total Samples:** 17 **Last Inspection Date:** 10/31/2009 **PCI: 26**

Sample # 5 **Area:** 4950 SF

Distress Description	Severity	Quantity
WEATHERING/RAVELING	L	2400 SF
ALLIGATOR CRACKING	L	1368 SF
DEPRESSION	L	520 SF
WEATHERING/RAVELING	M	500 SF
LONGITUDINAL/TRANSVERSE CRACKING	L	132 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	20 LF
ALLIGATOR CRACKING	M	30 SF

Sample # 8 **Area:** 4950 SF

Distress Description	Severity	Quantity
WEATHERING/RAVELING	L	2400 SF
LONGITUDINAL/TRANSVERSE CRACKING	L	570 LF
WEATHERING/RAVELING	M	500 SF
LONGITUDINAL/TRANSVERSE CRACKING	M	95 LF
ALLIGATOR CRACKING	L	228 SF
RUTTING	L	90 SF
DEPRESSION	L	78 SF
DEPRESSION	M	30 SF
PATCHING	L	8 SF
LONGITUDINAL/TRANSVERSE CRACKING	H	2 LF
ALLIGATOR CRACKING	H	3 SF
DEPRESSION	H	1 SF

Sample # 11 **Area:** 4950 SF

Distress Description	Severity	Quantity
WEATHERING/RAVELING	L	2400 SF
ALLIGATOR CRACKING	L	1468 SF
LONGITUDINAL/TRANSVERSE CRACKING	L	361 LF
WEATHERING/RAVELING	M	500 SF
DEPRESSION	M	45 SF
LONGITUDINAL/TRANSVERSE CRACKING	M	7 LF
ALLIGATOR CRACKING	M	20 SF
LONGITUDINAL/TRANSVERSE CRACKING	H	3 LF
WEATHERING/RAVELING	H	1 SF

Sample # 15 **Area:** 4950 SF

Distress Description	Severity	Quantity
WEATHERING/RAVELING	L	2400 SF
LONGITUDINAL/TRANSVERSE CRACKING	L	507 LF
ALLIGATOR CRACKING	L	695 SF
WEATHERING/RAVELING	M	500 SF
RUTTING	L	75 SF
DEPRESSION	L	60 SF
LONGITUDINAL/TRANSVERSE CRACKING	M	12 LF
LONGITUDINAL/TRANSVERSE CRACKING	H	6 LF
DEPRESSION	H	10 SF

Sample # 16 **Area:** 4950 SF

Distress Description	Severity	Quantity
WEATHERING/RAVELING	L	2400 SF
LONGITUDINAL/TRANSVERSE CRACKING	L	334 LF
WEATHERING/RAVELING	M	500 SF
ALLIGATOR CRACKING	L	220 SF
DEPRESSION	L	195 SF
ALLIGATOR CRACKING	M	150 SF
LONGITUDINAL/TRANSVERSE CRACKING	M	30 LF
DEPRESSION	M	65 SF
PATCHING	M	20 SF
PATCHING	H	6 SF

Extrapolated Distress Quantities*

Distress Description	Severity	Quantity	Density	Deduct
ALLIGATOR CRACKING	L	13191 SF	16.08 %	48.37
ALLIGATOR CRACKING	M	663 SF	0.81 %	27.15

HAMILTON AIRPORT

Branch: 06T **TAXIWAY** **T-3**

Extrapolated Distress Quantities*

Distress Description	Severity	Quantity	Density	Deduct
WEATHERING/RAVELING	M	8288 SF	10.10 %	20.77
WEATHERING/RAVELING	L	39781 SF	48.48 %	20.01
LONGITUDINAL/TRANSVERSE CRACKING	L	6314 LF	7.69 %	19.84
ALLIGATOR CRACKING	H	10 SF	0.01 %	16.00
DEPRESSION	L	2828 SF	3.45 %	15.78
PATCHING	H	20 SF	0.02 %	15.50
RUTTING	L	547 SF	0.67 %	13.70
DEPRESSION	H	36 SF	0.04 %	12.00
DEPRESSION	M	464 SF	0.57 %	11.40
LONGITUDINAL/TRANSVERSE CRACKING	M	544 LF	0.66 %	9.38
LONGITUDINAL/TRANSVERSE CRACKING	H	36 LF	0.04 %	7.50
PATCHING	M	66 SF	0.08 %	6.20
WEATHERING/RAVELING	H	3 SF	0.00 %	6.00
PATCHING	L	27 SF	0.03 %	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

42.0 **% Load** 42.0 **% Climate/Durability** 16.0 **% Other**

HAMILTON AIRPORT

Branch: 06T **TAXIWAY** **T-5**

Length: 1,613 LF **Width:** 25 LF **Area:** 53,912 SF **Last Const. :** 2002 **Family:** 9ACRMU

From: R-2 **To:** T-3 **Surface:** AC

Inspections

Samples Surveyed: 4 **Total Samples:** 11 **Last Inspection Date:** 10/31/2009 **PCI: 90**

Sample # 3 **Area:** 4550 SF

Distress Description	Severity	Quantity
WEATHERING/RAVELING	L	400 SF
OIL SPILLAGE	N	1 SF

Sample # 7 **Area:** 4275 SF

Distress Description	Severity	Quantity
WEATHERING/RAVELING	L	400 SF

Sample # 9 **Area:** 3540 SF

Distress Description	Severity	Quantity
WEATHERING/RAVELING	L	350 SF

Sample # 11 **Area:** 4650 SF

Distress Description	Severity	Quantity
WEATHERING/RAVELING	L	400 SF

Extrapolated Distress Quantities*

Distress Description	Severity	Quantity	Density	Deduct
WEATHERING/RAVELING	L	4911 SF	9.11 %	9.37
OIL SPILLAGE	N	3 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** 82.0 **% Climate/Durability** 18.0 **% Other**

HAMILTON AIRPORT

FIRST YEAR LOCAL:2010 LOCAL REPAIR COST: $154,797

Section	Distress Description	Severity	Quantity	Work Description	Quantity	Cost	Policy
A-1	L & T CR	H	521 LF	Crack Sealing - AC	521 LF	$781	SAFET
A-1	DEPRESSION	H	99 SF	Patching - AC Deep	142 SF	$5,253	SAFET
A-1	WEATH/RAVEL	H	1963 SF	Patching - AC Shallow	1963 SF	$29,434	SAFET
A-2	L & T CR	H	101 LF	Crack Sealing - AC	101 LF	$151	SAFET
A-2	WEATH/RAVEL	H	87 SF	Patching - AC Shallow	87 SF	$1,304	SAFET
A-2	PATCHING	H	107 SF	Patching - AC Deep	153 SF	$5,648	SAFET
R-1A	L & T CR	H	34 LF	Crack Sealing - AC	34 LF	$51	PREV.
R-1A	L & T CR	M	300 LF	Crack Sealing - AC	300 LF	$449	PREV.
R-2	L & T CR	M	11 LF	Crack Sealing - AC	11 LF	$15	PREV.
R-2	OIL SPILLAGE	N	62 SF	Patching - AC Shallow	98 SF	$1,457	PREV.
T-2	L & T CR	H	785 LF	Crack Sealing - AC	785 LF	$1,176	SAFET
T-2	ALLIGATOR CR	H	33 SF	Patching - AC Deep	60 SF	$2,202	SAFET
T-2	WEATH/RAVEL	H	6776 SF	Patching - AC Shallow	6776 SF	$101,626	SAFET
T-3	WEATH/RAVEL	H	4 SF	Patching - AC Shallow	4 SF	$50	SAFET
T-3	L & T CR	H	37 LF	Crack Sealing - AC	37 LF	$55	SAFET
T-3	ALLIGATOR CR	H	10 SF	Patching - AC Deep	27 SF	$986	SAFET
T-3	PATCHING	H	20 SF	Patching - AC Deep	42 SF	$1,548	SAFET
T-3	DEPRESSION	H	37 SF	Patching - AC Deep	65 SF	$2,397	SAFET
T-5	OIL SPILLAGE	N	4 SF	Patching - AC Shallow	15 SF	$215	PREV.

FIFTEEN YEAR PROJECTIONS: ESTIMATED AVERAGE ANNUAL COST: $180,498

PLAN YEAR: 2010 ESTIMATED COST: $1,570,412

SectionI	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	PCI before	PCI after
A-1	Reconstruct			$174,953		$174,953	29	100
A-2	Reconstruct			$414,365		$414,365	33	100
R-1A	Prev. & Thin AC	$499	$264,001			$264,500	67	79
R-2	Prev. & Thin AC	$1,472	$240,001			$241,473	74	85
T-2	Reconstruct			$202,081		$202,081	20	100
T-3	Reconstruct			$272,826		$272,826	25	100
T-5	Basic Prev.	$215				$215	89	89

PLAN YEAR: 2011 ESTIMATED COST: $6,123

SectionI	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	PCI before	PCI after
R-1A	Basic Prev.	$4,068				$4,068	77	77
R-2	Basic Prev.	$1,774				$1,774	83	83
T-5	Basic Prev.	$281				$281	87	87

PLAN YEAR: 2012 ESTIMATED COST: $94,128

SectionI	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	PCI before	PCI after
R-1A	Basic Prev.	$5,054				$5,054	74	74
R-2	Basic Prev.	$2,323				$2,323	81	81
T-5	Prev. & Thin AC	$491	$86,259			$86,751	84	100

PLAN YEAR: 2013 ESTIMATED COST: $11,435

SectionI	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	PCI before	PCI after
A-1	Basic Prev.	$431				$431	85	85
A-2	Basic Prev.	$1,101				$1,101	85	85
R-1A	Basic Prev.	$6,081				$6,081	72	72
R-2	Basic Prev.	$3,091				$3,091	78	78
T-2	Basic Prev.	$111				$111	89	89
T-3	Basic Prev.	$620				$620	85	85

PLAN YEAR: 2014 ESTIMATED COST: $15,469

SectionI	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	PCI before	PCI after
A-1	Basic Prev.	$837				$837	81	81
A-2	Basic Prev.	$2,140				$2,140	81	81
R-1A	Basic Prev.	$6,981				$6,981	69	69
R-2	Basic Prev.	$3,958				$3,958	76	76
T-2	Basic Prev.	$349				$349	86	86
T-3	Basic Prev.	$1,204				$1,204	81	81

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PLAN YEAR: 2015 ESTIMATED COST: $88,101

SectionI	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	PCI before	PCI after
A-1	Prev. & Fog Seal	$1,346	$11,400			$12,746	77	85
A-2	Prev. & Fog Seal	$3,443	$29,160			$32,603	77	85
R-1A	Basic Prev.	$7,556				$7,556	67	67
R-2	Basic Prev.	$4,865				$4,865	74	74
T-2	Prev. & Fog Seal	$566	$11,310			$11,876	84	89
T-3	Prev. & Fog Seal	$1,938	$16,410			$18,348	77	85
T-5	Basic Prev.	$106				$106	89	89

PLAN YEAR: 2016 ESTIMATED COST: $18,800

SectionI	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	PCI before	PCI after
A-1	Basic Prev.	$837				$837	81	81
A-2	Basic Prev.	$2,140				$2,140	81	81
R-1A	Basic Prev.	$8,132				$8,132	64	64
R-2	Basic Prev.	$5,806				$5,806	71	71
T-2	Basic Prev.	$349				$349	86	86
T-3	Basic Prev.	$1,204				$1,204	81	81
T-5	Basic Prev.	$333				$333	86	86

PLAN YEAR: 2017 ESTIMATED COST: $23,043

SectionI	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	PCI before	PCI after
A-1	Basic Prev.	$1,348				$1,348	77	77
A-2	Basic Prev.	$3,447				$3,447	77	77
R-1A	Basic Prev.	$8,701				$8,701	61	61
R-2	Basic Prev.	$6,501				$6,501	68	68
T-2	Basic Prev.	$566				$566	84	84
T-3	Basic Prev.	$1,940				$1,940	77	77
T-5	Basic Prev.	$540				$540	84	84

PLAN YEAR: 2018 ESTIMATED COST: $27,348

SectionI	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	PCI before	PCI after
A-1	Basic Prev.	$1,856				$1,856	73	73
A-2	Basic Prev.	$4,746				$4,746	73	73
R-1A	Basic Prev.	$9,539				$9,539	59	59
R-2	Basic Prev.	$7,023				$7,023	66	66
T-2	Basic Prev.	$774				$774	82	82
T-3	Basic Prev.	$2,671				$2,671	73	73
T-5	Basic Prev.	$738				$738	82	82

PLAN YEAR: 2019 ESTIMATED COST: $31,694

SectionI	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	PCI before	PCI after
A-1	Basic Prev.	$2,310				$2,310	70	70
A-2	Basic Prev.	$5,910				$5,910	70	70
R-1A	Basic Prev.	$10,631				$10,631	56	56
R-2	Basic Prev.	$7,547				$7,547	63	63
T-2	Basic Prev.	$1,009				$1,009	79	79
T-3	Basic Prev.	$3,326				$3,326	70	70
T-5	Basic Prev.	$962				$962	79	79

PLAN YEAR: 2020 ESTIMATED COST: $607,277

SectionI	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	PCI before	PCI after
A-1	Prev. & Fog Seal	$2,541	$11,400			$13,941	67	73
A-2	Prev. & Fog Seal	$6,500	$29,160			$35,661	67	73
R-1A	Prev. & Thin AC	$11,642	$264,001			$275,643	54	67
R-2	Prev. & Thin AC	$8,056	$240,001			$248,057	61	74
T-2	Prev. & Fog Seal	$1,330	$11,310			$12,640	77	82
T-3	Prev. & Fog Seal	$3,658	$16,410			$20,068	67	73
T-5	Basic Prev.	$1,268				$1,268	77	77

PLAN YEAR: 2021 ESTIMATED COST: $28,094

SectionI	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	PCI before	PCI after
A-1	Basic Prev.	$2,312				$2,312	70	70
A-2	Basic Prev.	$5,914				$5,914	70	70
R-1A	Basic Prev.	$8,134				$8,134	64	64
R-2	Basic Prev.	$5,810				$5,810	71	71
T-2	Basic Prev.	$1,009				$1,009	79	79
T-3	Basic Prev.	$3,328				$3,328	70	70
T-5	Basic Prev.	$1,588				$1,588	75	75

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PLAN YEAR: 2022 ESTIMATED COST: $117,412

SectionI	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	PCI before	PCI after
A-1	Basic Prev.	$2,542				$2,542	67	67
A-2	Basic Prev.	$6,502				$6,502	67	67
R-1A	Basic Prev.	$8,701				$8,701	61	61
R-2	Basic Prev.	$6,499				$6,499	68	68
T-2	Basic Prev.	$1,330				$1,330	77	77
T-3	Basic Prev.	$3,659				$3,659	67	67
T-5	Prev. & Thin AC	$1,920	$86,259			$88,180	72	84

PLAN YEAR: 2023 ESTIMATED COST: $32,584

SectionI	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	PCI before	PCI after
A-1	Basic Prev.	$2,725				$2,725	65	65
A-2	Basic Prev.	$6,970				$6,970	65	65
R-1A	Basic Prev.	$9,539				$9,539	59	59
R-2	Basic Prev.	$7,023				$7,023	66	66
T-2	Basic Prev.	$1,665				$1,665	75	75
T-3	Basic Prev.	$3,923				$3,923	65	65
T-5	Basic Prev.	$738				$738	82	82

PLAN YEAR: 2024 ESTIMATED COST: $35,547

SectionI	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	PCI before	PCI after
A-1	Basic Prev.	$2,880				$2,880	63	63
A-2	Basic Prev.	$7,367				$7,367	63	63
R-1A	Basic Prev.	$10,631				$10,631	56	56
R-2	Basic Prev.	$7,547				$7,547	63	63
T-2	Basic Prev.	$2,014				$2,014	72	72
T-3	Basic Prev.	$4,146				$4,146	63	63
T-5	Basic Prev.	$962				$962	79	79

HAMILTON AIRPORT

10/31/2009

A-1, overview

A-1, surface detail with raveling & cracks

A-2, surface detail with raveling & cracks

A-2, overview with alligator cracking

HAMILTON AIRPORT

10/31/2009

T-2, overview

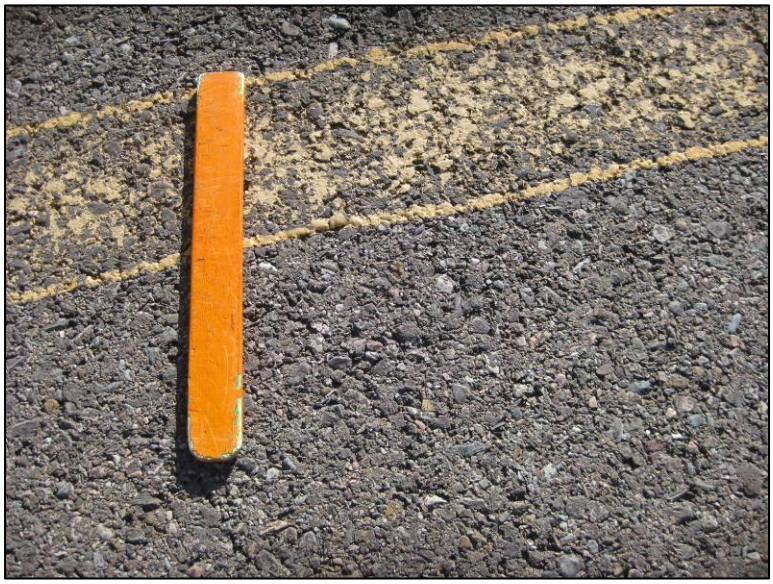
T-2, surface detail with severe raveling

T-3, surface detail with paving joint

T-3, overview with alligator cracking

HAMILTON AIRPORT

10/31/2009



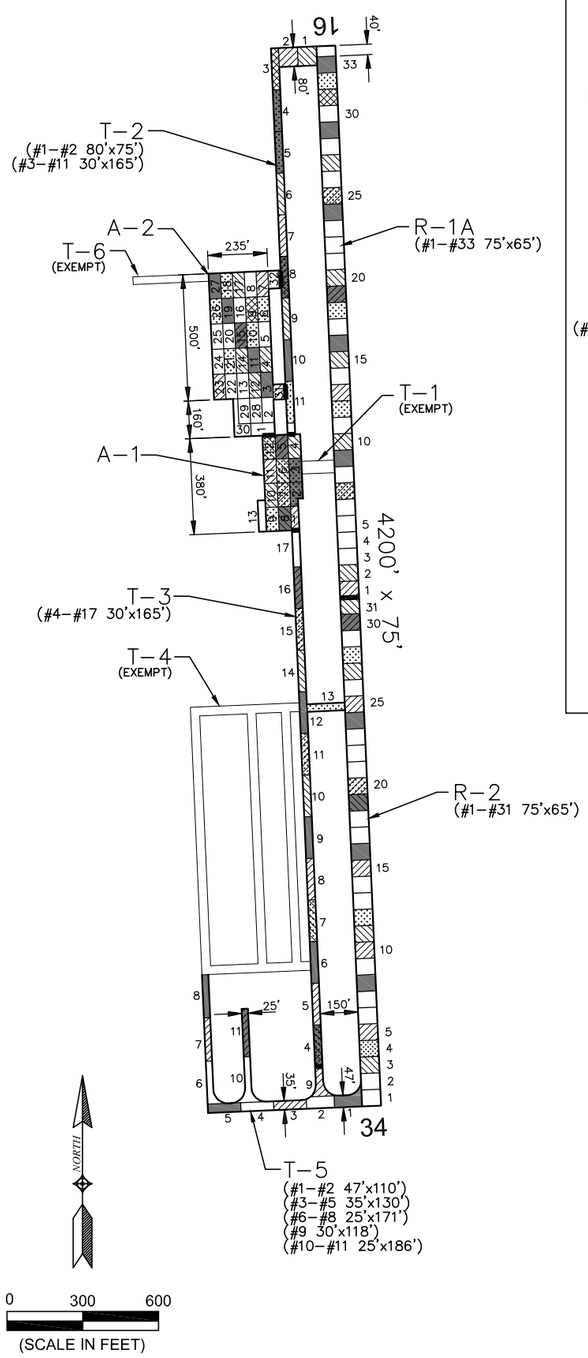
T-5, surface detail

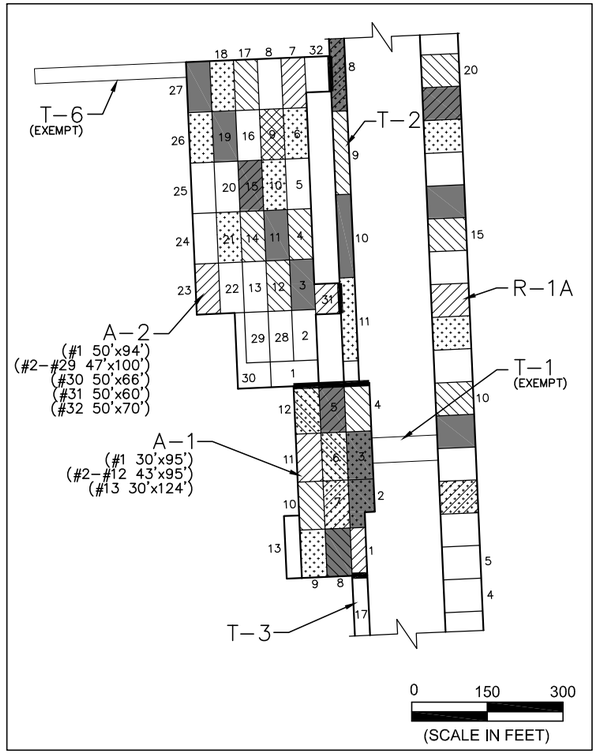
R-1A, surface detail with crack

R-2, surface detail with crack

R-2, overview

HAMILTON





PAVEMENT STRENGTH SURVEY/PAVEMENT CONDITION SURVEY

HAMILTON

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-1A	E-6	F6	4" P-154	7" P-208	P-609	P-609	17,000	25,000		2 4
						1.5" P-402				6
R-2	E-6	F-6	FABRIC, 40" P-154	4" P-208	2" P-401	1.5" P-402	25,000			6
TAXIWAYS										
T-1	E-6	F6	4" P-154	7" P-208	P-609	P-609	17,000	25,000		2 4
T-2	E-6	F-6	6" P-152	9" P-208	P-609	1.5" P-402				4 7
T-3	E-6	F-6	6" P-152	9" P-208	P-609					5
T-4			FABRIC, 8" P-154	4" P-208	2" P-401					6
T-5	E-6	F-6	12" P-154	8" P-208	4" P-401		75,000	200,000		8 9
T-6	E-6	F-6	12" P-154	4" P-208	3" TYPE S-3		12,500			9
APRONS										
A-1	E-6	F6	4" P-154	7" P-208	P-609		17,000	25,000		4
A-2	E-6	F-6	6" P-152, FABRIC	9" P-208	P-609		17,000	25,000		3 5

REMARKS:

1. INFORMATION IS SUSPECT PER JWS AUG. 1988
2. TAKEN FROM 5320-1 DATED 9/11/68
3. STABILIZATION FABRIC
4. 1980
5. AIP-01, 1983, CONSTRUCT TAXIWAY (T-3) AND APRON (A-2).
6. AIP-02, 1992, RUNWAY RECONSTRUCTION (R-2); RUNWAY OVERLAY (R-1A).
7. NON-AIP BY COUNTY, 1994
8. AIP-004, 2002, CONSTRUCT TAXIWAY (T-5).
9. AIP-006, 2005, CONSTRUCT TAXIWAY (T-6); FOG SEAL TAXIWAY (T-5).

LEGEND

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

DATE OF PAVEMENT STRENGTH SURVEY:	SEPT. 11, 1988
EVALUATED BY:	W. MOORE
DATE OF MOST RECENT PAVEMENT CONDITION SURVEY:	OCT. 31, 2009
EVALUATED BY:	R. DONALDSON

MONTANA AVIATION SYSTEM PLAN
2009 UPDATE - PAVEMENT CONDITION INDEXES

RAVALLI COUNTY AIRPORT

PREPARED FOR: MONTANA AERONAUTICS DIVISION

HAMILTON MONTANA

DATE: NOV. 2009

PREPARED BY: RPA