
ANACONDA AIRPORT

9/9/2015



A-1, Overview



A-1, Surface detail with high raveling



A-2, Surface detail with alligator cracking



A-2, Overview

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9/9/2015



T-1, Surface detail with raveling



T-1, Overview



T-6, Overview



T-6, Surface detail

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9/9/2015



R-1, Surface detail with vegetation growth



R-1, Overview



R-2, Surface detail



R-2, Overview

ANACONDA AIRPORT

Branch: 09A

APRON

A-1

Length: 234 LF **Width:** 210 LF **Area:** 49,140 SF **Last Const. :** 1992 **Family:** ACAM15
From: STA 0+00A **To:** STA 2+34A **Surface:** AC

Inspections

Samples Surveyed: 7 **Total Samples:** 9 **Last Inspection Date (RPA)** 9/9/2015 **PCI:** 43

Sample # 1

Area: 5460 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	444 LF
WEATHERING	L	819 SF
LONGITUDINAL/TRANSVERSE CRACKING	M	115 LF
RAVELING	L	273 SF
RAVELING	M	109 SF
DEPRESSION	L	40 SF
OIL SPILLAGE	N	2 SF

Sample # 2

Area: 5460 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	656 LF
WEATHERING	L	819 SF
LONGITUDINAL/TRANSVERSE CRACKING	M	102 LF
RAVELING	L	273 SF
RAVELING	M	109 SF
DEPRESSION	L	58 SF
SWELLING	L	29 SF
RAVELING	H	25 SF
ALLIGATOR CRACKING	L	17 SF
DEPRESSION	M	15 SF
LONGITUDINAL/TRANSVERSE CRACKING	H	4 LF

Sample # 3

Area: 5460 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	428 LF
WEATHERING	L	819 SF
RAVELING	L	273 SF
LONGITUDINAL/TRANSVERSE CRACKING	M	69 LF
RAVELING	M	109 SF
RAVELING	H	15 SF
SWELLING	L	15 SF
ALLIGATOR CRACKING	L	9 SF
DEPRESSION	L	9 SF
PATCHING	L	4 SF
OIL SPILLAGE	N	2 SF

Sample # 4

Area: 5460 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	543 LF
WEATHERING	L	819 SF
LONGITUDINAL/TRANSVERSE CRACKING	M	164 LF
RAVELING	L	273 SF
RUTTING	L	258 SF
RAVELING	M	109 SF
PATCHING	M	24 SF
DEPRESSION	H	6 SF
ALLIGATOR CRACKING	L	2 SF

Sample # 5

Area: 5460 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	1220 LF
WEATHERING	L	819 SF
LONGITUDINAL/TRANSVERSE CRACKING	M	166 LF
RAVELING	L	273 SF
RAVELING	M	109 SF
WEATHERING	M	45 SF
PATCHING	M	40 SF
DEPRESSION	L	28 SF
ALLIGATOR CRACKING	L	15 SF
DEPRESSION	H	10 SF
OIL SPILLAGE	N	8 SF

ANACONDA AIRPORT

Branch: 09A

APRON

A-1

Sample # 7

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	337 LF
WEATHERING	L	819 SF
LONGITUDINAL/TRANSVERSE CRACKING	M	116 LF
RAVELING	L	273 SF
RUTTING	L	234 SF
LONGITUDINAL/TRANSVERSE CRACKING	H	51 LF
RAVELING	M	109 SF
WEATHERING	M	40 SF
DEPRESSION	L	34 SF
RAVELING	H	15 SF
ALLIGATOR CRACKING	L	15 SF
LONGITUDINAL/TRANSVERSE CRACKING	H	4 LF
PATCHING	M	8 SF
DEPRESSION	H	2 SF
PATCHING	L	2 SF

Area: 5460 SF

Sample # 9

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	358 LF
WEATHERING	L	819 SF
RAVELING	L	273 SF
LONGITUDINAL/TRANSVERSE CRACKING	H	65 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	38 LF
RAVELING	M	109 SF
DEPRESSION	L	32 SF
ALLIGATOR CRACKING	L	29 SF
WEATHERING	M	25 SF
RAVELING	H	17 SF
BLEEDING	N	15 SF

Area: 5460 SF

Extrapolated Distress Quantities*

Distress Description	Severity	Quantity	Density	Deduct
LONGITUDINAL/TRANSVERSE CRACKING	L	5125 LF	10.43 %	23.84
RUTTING	L	633 SF	1.29 %	16.42
LONGITUDINAL/TRANSVERSE CRACKING	M	990 LF	2.01 %	15.77
LONGITUDINAL/TRANSVERSE CRACKING	H	159 LF	0.32 %	12.19
DEPRESSION	H	23 SF	0.05 %	12.00
RAVELING	M	981 SF	2.00 %	10.33
ALLIGATOR CRACKING	L	112 SF	0.23 %	9.21
RAVELING	H	93 SF	0.19 %	7.83
PATCHING	M	93 SF	0.19 %	7.16
RAVELING	L	2457 SF	5.00 %	6.80
DEPRESSION	M	19 SF	0.04 %	5.20
DEPRESSION	L	258 SF	0.53 %	3.50
WEATHERING	L	7371 SF	15.00 %	2.30
OIL SPILLAGE	N	15 SF	0.03 %	2.00
PATCHING	L	8 SF	0.02 %	2.00
WEATHERING	M	141 SF	0.29 %	1.31
SWELLING	L	57 SF	0.12 %	1.16
BLEEDING	N	19 SF	0.04 %	0.00

* 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

18.0 % Load

65.0 % Climate/Durability

17.0 % Other

ANACONDA AIRPORT

Branch: 09A

APRON

A-2

Length: 400 LF **Width:** 210 LF **Area:** 84,000 SF **Last Const. :** 1993 **Family:** ACAM15
From: STA 2+34A **To:** STA 6+34A **Surface:** AC

Inspections

Samples Surveyed: 5 **Total Samples:** 17 **Last Inspection Date (RPA)** 9/9/2015 **PCI:** 48

Sample # 2 **Area:** 4970 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	284 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	270 LF
WEATHERING	L	149 SF
RAVELING	L	50 SF
PATCHING	L	42 SF
DEPRESSION	L	34 SF
LONGITUDINAL/TRANSVERSE CRACKING	H	10 LF
RAVELING	M	6 SF

Sample # 4 **Area:** 4970 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	210 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	180 LF
WEATHERING	L	149 SF
DEPRESSION	L	90 SF
LONGITUDINAL/TRANSVERSE CRACKING	H	19 LF
RAVELING	L	50 SF
PATCHING	L	36 SF

Sample # 8 **Area:** 4970 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	M	250 LF
LONGITUDINAL/TRANSVERSE CRACKING	L	245 LF
WEATHERING	L	149 SF
DEPRESSION	L	54 SF
RAVELING	L	50 SF
LONGITUDINAL/TRANSVERSE CRACKING	H	15 LF
PATCHING	L	27 SF

Sample # 12 **Area:** 4970 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	270 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	187 LF
WEATHERING	L	149 SF
LONGITUDINAL/TRANSVERSE CRACKING	H	16 LF
RAVELING	L	50 SF
DEPRESSION	L	41 SF
ALLIGATOR CRACKING	M	24 SF

Sample # 16 **Area:** 4970 SF

Distress Description	Severity	Quantity
RAVELING	H	1000 SF
LONGITUDINAL/TRANSVERSE CRACKING	M	294 LF
LONGITUDINAL/TRANSVERSE CRACKING	L	151 LF
WEATHERING	L	141 SF
RAVELING	L	47 SF

Extrapolated Distress Quantities*

Distress Description	Severity	Quantity	Density	Deduct
RAVELING	H	3380 SF	4.02 %	37.61
LONGITUDINAL/TRANSVERSE CRACKING	M	3992 LF	4.75 %	25.00
LONGITUDINAL/TRANSVERSE CRACKING	L	3921 LF	4.67 %	14.05
LONGITUDINAL/TRANSVERSE CRACKING	H	203 LF	0.24 %	10.94
ALLIGATOR CRACKING	M	81 SF	0.10 %	10.00
DEPRESSION	L	740 SF	0.88 %	5.94
RAVELING	M	20 SF	0.02 %	4.00
RAVELING	L	835 SF	0.99 %	2.61
PATCHING	L	355 SF	0.42 %	2.32
WEATHERING	L	2491 SF	2.97 %	0.82

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

ANACONDA AIRPORT

Branch: 09A

APRON

A-2

Percent of Deduct Values Based on Distress Mechanism

9.0 % Load

86.0 % Climate/Durability

5.0 % Other

ANACONDA AIRPORT

Branch: 09R

RUNWAY

R-2

Length: 4,520 LF **Width:** 60 LF **Area:** 271,200 SF **Last Const. :** 2011 **Family:** ACRML15
From: Sta 0+00 RWY 4/22 **To:** STA 45+20 RWY 4/22 **Surface:** AAC

Inspections

Samples Surveyed: 7 **Total Samples:** 56 **Last Inspection Date (RPA)** 9/9/2015 **PCI:** 84

Sample # 7 **Area:** 4800 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	47 LF
WEATHERING	L	74 SF
WEATHERING	M	25 SF
RAVELING	L	24 SF
RAVELING	M	4 SF

Sample # 15 **Area:** 4800 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	61 LF
WEATHERING	L	72 SF
LONGITUDINAL/TRANSVERSE CRACKING	M	11 LF
RAVELING	L	24 SF
RAVELING	M	6 SF

Sample # 23 **Area:** 4800 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	116 LF
WEATHERING	L	74 SF
RAVELING	L	24 SF
RAVELING	M	12 SF
PATCHING	L	1 SF

Sample # 31 **Area:** 4800 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	91 LF
WEATHERING	L	74 SF
RAVELING	L	24 SF
RAVELING	M	15 SF

Sample # 39 **Area:** 4800 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	92 LF
WEATHERING	L	74 SF
RAVELING	L	24 SF
LONGITUDINAL/TRANSVERSE CRACKING	M	4 LF
PATCHING	L	2 SF
SWELLING	L	2 SF
WEATHERING	M	2 SF
BLEEDING	N	1 SF

Sample # 47 **Area:** 4800 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	47 LF
WEATHERING	L	72 SF
RAVELING	M	25 SF
RAVELING	L	24 SF
SWELLING	L	4 SF
WEATHERING	M	4 SF
BLEEDING	N	1 SF

Sample # 55 **Area:** 4800 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	61 LF
WEATHERING	L	74 SF
RAVELING	L	24 SF
RAVELING	M	11 SF
PATCHING	L	5 SF
BLEEDING	N	3 SF
WEATHERING	M	2 SF

Extrapolated Distress Quantities*

Distress Description	Severity	Quantity	Density	Deduct
LONGITUDINAL/TRANSVERSE CRACKING	L	4157 LF	1.53 %	6.19
RAVELING	M	589 SF	0.22 %	4.76

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Branch: 09R

RUNWAY

R-2

Extrapolated Distress Quantities*

Distress Description	Severity	Quantity	Density	Deduct
LONGITUDINAL/TRANSVERSE CRACKING	M	121 LF	0.04 %	4.00
PATCHING	L	65 SF	0.02 %	2.00
RAVELING	L	1356 SF	0.50 %	1.77
WEATHERING	M	266 SF	0.10 %	1.20
SWELLING	L	48 SF	0.02 %	1.00
WEATHERING	L	4149 SF	1.53 %	0.61
BLEEDING	N	40 SF	0.01 %	0.00

* 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

95.0 % Climate/Durability

5.0 % Other

ANACONDA AIRPORT**FIFTEEN YEAR PROJECTIONS: ESTIMATED AVERAGE ANNUAL COST: \$174,482**

PLAN YEAR: 2016			ESTIMATED COST:			\$959,086	PCI	
SectionID	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	before	after
T-1	Prev. & Seal Coat	\$307	\$30,464			\$30,771	87	95
A-2	Reconstruct			\$478,590		\$478,590	45	100
T-6	Basic Prev.	\$575				\$575	78	79
R-2	Basic Prev.	\$2,174				\$2,174	82	82
R-1	Prev. & Seal Coat	\$1,271	\$126,000			\$127,271	87	95
A-1	Reconstruct			\$319,705		\$319,705	40	100
PLAN YEAR: 2017			ESTIMATED COST:			\$3,644	PCI	
SectionID	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	before	after
R-2	Basic Prev.	\$2,826				\$2,826	80	80
T-6	Basic Prev.	\$818				\$818	77	77
PLAN YEAR: 2018			ESTIMATED COST:			\$7,513	PCI	
SectionID	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	before	after
R-1	Basic Prev.	\$1,264				\$1,264	87	88
R-2	Basic Prev.	\$4,892				\$4,892	78	78
T-1	Basic Prev.	\$306				\$306	87	88
T-6	Basic Prev.	\$1,051				\$1,051	76	76
PLAN YEAR: 2019			ESTIMATED COST:			\$11,848	PCI	
SectionID	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	before	after
R-1	Basic Prev.	\$2,691				\$2,691	85	85
T-6	Basic Prev.	\$1,283				\$1,283	74	74
T-1	Basic Prev.	\$651				\$651	85	85
A-1	Basic Prev.	\$151				\$151	87	87
R-2	Basic Prev.	\$6,814				\$6,814	77	77
A-2	Basic Prev.	\$258				\$258	87	87
PLAN YEAR: 2020			ESTIMATED COST:			\$94,726	PCI	
SectionID	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	before	after
A-1	Basic Prev.	\$339				\$339	84	84
R-1	Basic Prev.	\$3,981				\$3,981	82	82
R-2	Basic Prev.	\$8,680				\$8,680	75	75
T-1	Basic Prev.	\$962				\$962	82	82
T-6	Prev. & Thin AC	\$1,525	\$78,659			\$80,184	73	81
A-2	Basic Prev.	\$580				\$580	84	84
PLAN YEAR: 2021			ESTIMATED COST:			\$813,383	PCI	
SectionID	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	before	after
R-2	Prev. & Thin AC	\$10,538	\$613,070			\$623,608	74	83
T-6	Basic Prev.	\$575				\$575	79	79
A-2	Basic Prev.	\$891				\$891	81	81
T-1	Prev. & Seal Coat	\$1,247	\$35,316			\$36,563	80	85
A-1	Basic Prev.	\$521				\$521	81	81
R-1	Prev. & Seal Coat	\$5,157	\$146,069			\$151,225	80	85
PLAN YEAR: 2022			ESTIMATED COST:			\$11,814	PCI	
SectionID	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	before	after
A-1	Basic Prev.	\$1,047				\$1,047	78	78
T-6	Basic Prev.	\$866				\$866	77	78
A-2	Basic Prev.	\$1,789				\$1,789	78	78
R-1	Basic Prev.	\$4,078				\$4,078	82	83
T-1	Basic Prev.	\$986				\$986	82	83
R-2	Basic Prev.	\$3,048				\$3,048	81	81
PLAN YEAR: 2023			ESTIMATED COST:			\$17,361	PCI	
SectionID	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	before	after
A-1	Basic Prev.	\$1,706				\$1,706	75	76
T-1	Basic Prev.	\$1,292				\$1,292	80	80
R-2	Basic Prev.	\$4,964				\$4,964	79	79
A-2	Basic Prev.	\$2,917				\$2,917	75	76
T-6	Basic Prev.	\$1,140				\$1,140	76	76
R-1	Basic Prev.	\$5,342				\$5,342	80	80

PLAN YEAR: 2024			ESTIMATED COST:			\$26,209	PCI	
SectionID	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	before	after
T-1	Basic Prev.	\$2,166				\$2,166	79	79
A-2	Basic Prev.	\$4,039				\$4,039	73	73
A-1	Basic Prev.	\$2,363				\$2,363	73	73
R-2	Basic Prev.	\$7,267				\$7,267	77	77
R-1	Basic Prev.	\$8,961				\$8,961	79	79
T-6	Basic Prev.	\$1,413				\$1,413	75	75
PLAN YEAR: 2025			ESTIMATED COST:			\$35,283	PCI	
SectionID	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	before	after
A-2	Basic Prev.	\$5,164				\$5,164	71	71
T-1	Basic Prev.	\$3,106				\$3,106	77	77
T-6	Basic Prev.	\$1,691				\$1,691	73	74
A-1	Basic Prev.	\$3,021				\$3,021	71	71
R-1	Basic Prev.	\$12,846				\$12,846	77	77
R-2	Basic Prev.	\$9,455				\$9,455	76	76
PLAN YEAR: 2026			ESTIMATED COST:			\$256,052	PCI	
SectionID	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	before	after
R-1	Prev. & Seal Coat	\$16,569	\$169,334			\$185,902	76	79
R-2	Basic Prev.	\$11,621				\$11,621	75	75
A-2	Basic Prev.	\$7,315				\$7,315	69	69
A-1	Basic Prev.	\$4,279				\$4,279	69	69
T-1	Prev. & Seal Coat	\$4,006	\$40,941			\$44,947	76	79
T-6	Basic Prev.	\$1,988				\$1,988	72	72
PLAN YEAR: 2027			ESTIMATED COST:			\$48,412	PCI	
SectionID	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	before	after
A-2	Basic Prev.	\$10,012				\$10,012	66	67
T-1	Basic Prev.	\$3,186				\$3,186	77	77
A-1	Basic Prev.	\$5,857				\$5,857	66	67
T-6	Basic Prev.	\$2,320				\$2,320	71	71
R-1	Basic Prev.	\$13,177				\$13,177	77	77
R-2	Basic Prev.	\$13,860				\$13,860	73	73
PLAN YEAR: 2028			ESTIMATED COST:			\$60,853	PCI	
SectionID	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	before	after
R-2	Basic Prev.	\$16,287				\$16,287	72	72
A-2	Basic Prev.	\$12,839				\$12,839	64	64
A-1	Basic Prev.	\$7,511				\$7,511	64	64
T-6	Basic Prev.	\$2,928				\$2,928	69	69
T-1	Basic Prev.	\$4,145				\$4,145	76	76
R-1	Basic Prev.	\$17,143				\$17,143	76	76
PLAN YEAR: 2029			ESTIMATED COST:			\$74,199	PCI	
SectionID	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	before	after
A-1	Basic Prev.	\$9,266				\$9,266	62	62
T-6	Basic Prev.	\$3,942				\$3,942	68	68
A-2	Basic Prev.	\$15,839				\$15,839	62	62
T-1	Basic Prev.	\$5,094				\$5,094	75	75
R-1	Basic Prev.	\$21,070				\$21,070	75	75
R-2	Basic Prev.	\$18,988				\$18,988	71	71
PLAN YEAR: 2030			ESTIMATED COST:			\$196,853	PCI	
SectionID	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	before	after
T-1	Basic Prev.	\$6,076				\$6,076	73	73
R-1	Basic Prev.	\$25,130				\$25,130	73	73
R-2	Basic Prev.	\$24,570				\$24,570	69	69
T-6	Prev. & Thin AC	\$5,177	\$105,712			\$110,889	65	74
A-1	Basic Prev.	\$11,142				\$11,142	60	60
A-2	Basic Prev.	\$19,046				\$19,046	60	60