BRO	ADUS A	AIRPOR	RT			Branch:	62A	APF	RON		A-1
Length:	268 LF		360 LF	Area:	99,855 SF	Las	st Const:	2005		Family:	ACAN
From:	ENTIRE A	APRON		To:	OFF T-1					Surface:	A(
					Inspection						
Samples S	Surveyed:	5	To	tal Samples	: 20	Last Inspecti	on Date:	9/5/2012		PCI:	95
Sample #	3								Area:	4,824	SF
		Distress Des				Severity		antity			
		RAVELING				L	48	SF			
		WEATHER	NG			L	482	SF			
ample#	7								Area:	4,824	SF
		Distress Des	cription			Severity	Qu	antity			
		PATCHING				L	15	SF			
		RAVELING				L	22	SF			
		WEATHERI	NG			L	22	SF			
		WEATHERI	NG			L	482	SF			
ample#	11								Area:	4,824	SF
		Distress Des	eription			Severity	Qu	antity		,	
		RAVELING				L	48				
		WEATHERI	NG			L	482	SF			
ample#	15								Area:	4,824	SF
		Distress Des	cription			Severity	Qu	antity			
		RAVELING				L	48	SF			
		WEATHERI	NG			L	482	SF			
ample#	19								Area:	4,824	SF
		Distress Des	cription			Severity	Qu	antity			
		PATCHING				L	1 :	-			
		RAVELING				L	48 3	SF			
		WEATHERI	NG			L	241	SF			
				-							
		Distress Des	arintian	Extrapo	olated Distress		0	414	Dan -!!		Dado
		PATCHING	cripuon			Severity	Qu:	antity	Densit		Deduc 2.00
		RAVELING				L L			7.079		
		WEATHERI	NC			L L	886 \$		0.359		2.44 1.61
					to keep the mode		9,071		77.869	/0	1.0

Percent of Deduct Values Based on Distress Mechanism	n
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0.0 % Load

100.0 % Climate/Durability

0.0 % Other

BRO	ADUS A	AIRPOF	RT			В	ranch:	62R	RUNV	VAY		R-1
Length:	4,400 LF	Width:	75 LF	Area:	330,000 S		Las	t Const: 20	05		Family:	ACRMI
From:	12+00 RW	Y 10-28		To:	56+00 RWY					- 1	Surface:	AC
					Inspection							
Samples S	Surveyed:	7	То	tal Samples	: 67	Last II	rspectio	on Date: 9	/5/2012		PCI:	92
Sample #	5									Area:	4,875 S	F
		Distress Des	scription			Sev	erity	Quant	ity			
		RAVELING	Ť			-	L	49 SF				
Sample #	15									Area:	4,875 S	F
-		Distress Des	scription			Sev	erity	Quant	ity		•	
				NSVERSE (CRACKING		L	46 LF	-			
		RAVELING	ì				L	48 SF				
Sample #	25									Area:	4,875 S	F
_		Distress Des	scription			Sev	erity	Quant	ity		•	
		LONGITUD	INAL/TRA	NSVERSE (CRACKING]	L	65 LF				
		RAVELING	÷]	L	49 SF				
Sample #	35									Area:	4,875 S	F
		Distress Des	scription			Sev	erity	Quant	ity			
		LONGITUD	INAL/TRA	NSVERSE (CRACKING]	L	57 LF				
		RAVELING]	L	49 SF				
		RAVELING				I	H	1 SF				
Sample #	45									Area:	4,875 S	F
		Distress Des	•			Seve	erity	Quant	ity			
		LONGITUD		NSVERSE (CRACKING		Ĺ	24 LF				
		RAVELING]	L	49 SF				
Sample #	55									Area:	4,875 S	F
		Distress Des	scription			Seve	erity	Quant	ity			
		RAVELING]	Ĺ	49 SF				
Sample #	65									Area:	4,875 S	F
		Distress Des	scription			Seve	erity	Quant	ity			
		LONGITUD	INAL/TRA	NSVERSE (CRACKING	I		48 LF				
		RAVELING				I	_	49 SF				
		RAVELING				N	Л	1 SF				
				Extrapo	olated Distress	Quanti	ties*					
		Distress Des	_			Seve	erity	Quanti	-	Densit	-	Deduc
		LONGITUD		NSVERSE (CRACKING		_	2,321 LF		0.06%		4.39
		RAVELING				I		3,307 SF		0.189		2.62
		RAVELING				N		5 SF		3.18%		4.00
		RAVELING				ŀ	ŀ	5 SF		1.119	6	6.00

^{*} 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
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BROA	DUS	AIRPORT			Branch:	62T TA	XIWAY		T- 1
Length:	1,300 LF			45,500 SF	Las	t Const: 2005		Family:	ACRM
From:	R/W 12 N	ORTH & SOUTH EN	DS To:	SOUTHWES1	CORNER A-	1		Surface:	A
				Inspections					
Samples S	urveyed:	4	Total Samples	s: 11	Last Inspection	on Date: 9/5/20	12	PCI:	94
Sample #	3						Area:	3,680	SF
		Distress Description	1		Severity	Quantity			
		RAVELING			L	37 SF			
		RAVELING			M	1 SF			
Sample #	6						Area:	3,045	SF
		Distress Description	1		Severity	Quantity			
		RAVELING			L	30 SF			
Sample #	9						Area:	3,750	SF
		Distress Description	1		Severity	Quantity			
		RAVELING			L	38 SF			
		RAVELING			Н	4 SF			
Sample #	12						Area:	3,050 \$	SF
		Distress Description	ı		Severity	Quantity			
		RAVELING			L	30 SF			
		RAVELING			M	1 SF			
-				Navigue ma					
		Distross Description		olated Distress (Control of the Contro	0	D	1	D. J.
		Distress Description RAVELING	'		Severity L	Quantity 454 SF	Densi 0.38		Deduc 2.6
		RAVELING			M	434 SF 7 SF	6.31		4.0
		RAVELING			H	7 SF 13 SF	0.51		6.0
		IVY A RETING			п	13 31	0.55	70	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

100.0 % Climate/Durability

0.0 % Other

FIRST YE	EAR LOCAL: 2013	LOCAL REPAIR COS				AIR COST:	\$ 0		
Section	Distress Description	Severity	Quantity	Work Descript	ion	Quantity	Cost	Po	licv
FIFTEEN	YEAR PROJECTIONS			ESTI	MATED AVE	RAGE ANNU	\$38,300		
Plan Year:	2013			Е	stimated Cost:	\$118,895	P	CI	
Section	Maintenance	Local	Global	Major <crit< td=""><td>Major>Crit</td><td></td><td>Total</td><td>Before</td><td>Afte</td></crit<>	Major>Crit		Total	Before	Afte
A-1	Global MR	\$0	\$24,964	\$0			\$24,964	93	100
R-1	Global MR + Preventive	\$55	\$82,501	\$0			\$82,556	90	98
T-1	Global MR	\$0	\$11,375	\$0	\$0)	\$11,375	92	100
Plan Year:	2014			E	stimated Cost:	\$ 0		P	CI
Section	Maintenance	Local	Global	Major <crit< td=""><td>Major>Crit</td><td></td><td>Total</td><td>Before</td><td>Afte</td></crit<>	Major>Crit		Total	Before	Afte
Plan Year:	2015			F	stimated Cost:	\$0		P	CI
Section	Maintenance	Local	Global	Major <crit< td=""><td>Major>Crit</td><td>ΨΟ</td><td>Total</td><td>Before</td><td>After</td></crit<>	Major>Crit	ΨΟ	Total	Before	After
		Dotter	Giodai	major -crit	major- ent		10141	Delote	/ Itte
Plan Year:				Е	stimated Cost:	\$1,622			CI
Section	Maintenance	Local	Global	Major <crit< td=""><td>Major>Crit</td><td></td><td>Total</td><td>Before</td><td>After</td></crit<>	Major>Crit		Total	Before	After
A-l	Preventive	\$230	\$0	\$0			\$230	88	88
R-1 T-1	Preventive Preventive	\$1,286 \$106	\$0 \$0	\$0 \$0	\$0 \$0		\$1,286 \$106	86 88	87 88
1-1	Tieventive	\$100	\$0	\$0	200		\$100	00	00
Plan Year:	2017			Е	stimated Cost:	\$3,330		Pe	CI
Section	Maintenance	Local	Global	Major <crit< td=""><td>Major>Crit</td><td>**,***</td><td>Total</td><td>Before</td><td>After</td></crit<>	Major>Crit	**,***	Total	Before	After
A-1	Preventive	\$605	\$0	\$0	\$0	Di T	\$605	85	85
R-1	Preventive	\$2,453	\$0	\$0	\$0		\$2,453	83	84
T-1	Preventive	\$272	\$0	\$0	\$0		\$272	85	85
Plan Year:	2018			F	stimated Cost:	\$142.737		Po	CI
Section	Maintenance	Local	Global	Major <crit< td=""><td>Major>Crit</td><td>ψ1 12,737</td><td>Total</td><td>Before</td><td>After</td></crit<>	Major>Crit	ψ1 12,737	Total	Before	After
A-1	Global MR + Preventive	\$973	\$28,940	\$0	\$0		\$29,913	82	88
R-1	Global MR + Preventive	\$3,565	\$95,641	\$0	\$0		\$99,206	81	87
T-1	Global MR + Preventive	\$431	\$13,187	\$0	\$0		\$13,618	82	88
Plan Year:	2019			E	stimated Cost:	\$3,362		Pe	CI
Section	Maintenance	Local	Global	Major <crit< td=""><td>Major>Crit</td><td>**,***</td><td>Total</td><td>Before</td><td>After</td></crit<>	Major>Crit	**,***	Total	Before	After
A-1	Preventive	\$600	\$0	\$0	\$0		\$600	85	8.5
R-1	Preventive	\$2,489	\$0	\$0	\$0		\$2,489	84	84
T-1	Preventive	\$272	\$0	\$0	\$0		\$272	85	85
Plan Year:	2020			E	stimated Cost:	\$5,119		Po	CI
Section	Maintenance	Local	Global	Major <crit< td=""><td>Major>Crit</td><td></td><td>Total</td><td>Before</td><td>After</td></crit<>	Major>Crit		Total	Before	After
A-1	Preventive	\$996	\$0	\$0	\$0		\$996	82	82
R-1	Preventive	\$3,680	\$0	\$0	\$0		\$3,680	81	81
T-1	Preventive	\$442	\$0	\$0	\$0		\$442	82	82
Plan Year:	2021			E	stimated Cost:	\$9.124		Po	CI
Section	Maintenance	Local	Global	Major <crit< td=""><td>Major>Crit</td><td></td><td>Total</td><td>Before</td><td>After</td></crit<>	Major>Crit		Total	Before	After
A-1	Preventive	\$1,751	\$0	\$0	\$0		\$1,751	79	79
R-1	Preventive	\$6,688	\$0	\$0	\$0		\$6,688	79	79
T-1	Preventive	\$685	\$0	\$0	\$0		\$685	80	80
Plan Year:	2022			E:	stimated Cost:	\$14.943		P	CI
Section	Maintenance	Local	Global	Major <crit< td=""><td>Major>Crit</td><td>,</td><td>Total</td><td>Before</td><td>After</td></crit<>	Major>Crit	,	Total	Before	After
A-1	Preventive	\$3,183	\$0	\$0	50		\$3,183	76	77
R-1	Preventive	\$10,520	\$0	\$0	\$0		\$10,520	76	77
T-1	Preventive	\$1,239	\$0	\$0	\$0		\$1,239	77	77
Plan Year:	2023			F	timated Cost:	\$180.123		Pr	CI
Section	Maintenance	Local	Global	Major <crit< td=""><td>Major>Crit</td><td>\$100,125</td><td>Total</td><td>Before</td><td>After</td></crit<>	Major>Crit	\$100,125	Total	Before	After
A-1	Global MR + Preventive	\$4,612	\$33,549	SO	\$0		\$38,161	74	80
R-1	Global MR + Preventive	\$14,050	\$110,874	50	\$0		\$124,924	75	79
r-1	Global MR + Preventive	\$1,751	\$15,287	50	50		\$17,038	75	80

Plan Year	: 2024			Es	stimated Cost: \$15,315		P	CI
Section	Maintenance	Local	Global	Major <crit< th=""><th>Major>Crit</th><th>Total</th><th>Before</th><th>After</th></crit<>	Major>Crit	Total	Before	After
A-1	Preventive	\$3,233	\$0	\$0	\$0	\$3,233	77	77
R-I	Preventive	\$10,817	\$0	\$0	\$0	\$10,817	77	77
T-1	Preventive	\$1,264	\$0	\$0	\$0	\$1,264	77	78
Plan Year	: 2025			Es	stimated Cost: \$21,167		P	CI
Section	Maintenance	Local	Global	Major <crit< td=""><td>Major>Crit</td><td>Total</td><td>Before</td><td>After</td></crit<>	Major>Crit	Total	Before	After
A-1	Preventive	\$4,750	50	\$0	\$0	\$4,750	74	74
R-1	Preventive	\$14,604	\$0	\$0	\$0	\$14,604	75	75
T-1	Preventive	\$1,813	\$0	\$0	\$0	\$1,813	76	76
Plan Year:	2026			Es	stimated Cost: \$26,649		P	CI
Section	Maintenance	Local	Global	Major <crit< td=""><td>Major>Crit</td><td>Total</td><td>Before</td><td>After</td></crit<>	Major>Crit	Total	Before	After
A-1	Preventive	\$6,264	\$0	\$0	\$0	\$6,264	72	72
R-1	Preventive	\$18,067	\$0	\$0	\$0	\$18,067	73	73
T-I	Preventive	\$2,317	\$0	\$0	\$0	\$2,317	74	74
Plan Year:	2027			Es	stimated Cost: \$32,113		Pe	CI
Section	Maintenance	Local	Global	Major <crit< td=""><td>Major>Crit</td><td>Total</td><td>Before</td><td>After</td></crit<>	Major>Crit	Total	Before	After
R-1	Preventive	\$21,225	\$0	SO	\$0	\$21,225	72	72
A-1	Preventive	\$8,111	\$0	\$0	\$0	\$8,111	70	70
T-1	Preventive	\$2,777	\$0	\$0	\$0	\$2,777	72	72

9/5/2012



A-1, Overview



A-1, Surface detail



R-1, Overview



R-1, Surface detail filled crack

9/5/2012



R-1, Surface detail high intensity raveling



T-1, Overview (turnaround)



T-1, Overview



T-1, Surface detail

REMARKS

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Engineering

Consulting

