

GARDINER AIRPORT

Branch: 64R RUNWAY

R-1

Length: 3,300 LF Width: 50 LF Area: 165,015 SF Last Const: 1996 Family: ACPL
 From: 12+00 RWY 10-28 To: 45+00 RWY 10 Surface: AC

Inspections

Samples Surveyed: 3 Total Samples: 33 Last Inspection Date: 8/28/2012 **PCI: 45**

Sample # 5	<table border="0"> <tr> <th style="text-align: left;">Distress Description</th> <th style="text-align: left;">Severity</th> <th style="text-align: left;">Quantity</th> </tr> <tr> <td>LONGITUDINAL/TRANSVERSE CRACKING</td> <td>L</td> <td>46 LF</td> </tr> <tr> <td>LONGITUDINAL/TRANSVERSE CRACKING</td> <td>M</td> <td>219 LF</td> </tr> <tr> <td>LONGITUDINAL/TRANSVERSE CRACKING</td> <td>H</td> <td>171 LF</td> </tr> <tr> <td>WEATHERING</td> <td>L</td> <td>1,500 LF</td> </tr> <tr> <td>WEATHERING</td> <td>M</td> <td>3,500 SF</td> </tr> </table>	Distress Description	Severity	Quantity	LONGITUDINAL/TRANSVERSE CRACKING	L	46 LF	LONGITUDINAL/TRANSVERSE CRACKING	M	219 LF	LONGITUDINAL/TRANSVERSE CRACKING	H	171 LF	WEATHERING	L	1,500 LF	WEATHERING	M	3,500 SF	Area: 5,000 SF						
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Extrapolated Distress Quantities*				
Distress Description	Severity	Quantity	Density	Deduct
LONGITUDINAL/TRANSVERSE CRACKING	H	5,484 LF	3.32%	34.38
LONGITUDINAL/TRANSVERSE CRACKING	M	6,716 LF	4.07%	22.99
WEATHERING	M	115,511 SF	70.00%	17.87
LONGITUDINAL/TRANSVERSE CRACKING	L	1,667 LF	1.01%	4.97
RAVELING	M	1 SF	0.00%	4.00
WEATHERING	L	49,505 SF	30.00%	3.65
RAVELING	L	275 SF	0.17%	1.15
BLEEDING	N	11 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	100.0 % Climate/Durability	0.0 % Other

GARDINER AIRPORT

Branch: 64T TAXIWAY

T-1

Length: 120 LF Width: 30 LF Area: 3,823 SF Last Const: 1996 Family: ACPL
 From: OFF OF R-1 To: AT STA 23+00 Surface: AC

Inspections

Samples Surveyed: 1 Total Samples: 1 Last Inspection Date: 8/28/2012 **PCI: 50**

Sample # 1

Area: 3,615 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	23 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	90 LF
LONGITUDINAL/TRANSVERSE CRACKING	H	79 LF
RAVELING	M	531 SF
WEATHERING	L	2,531 SF

Extrapolated Distress Quantities*

Distress Description	Severity	Quantity	Density	Deduct
LONGITUDINAL/TRANSVERSE CRACKING	L	24 LF	0.64%	4.28
LONGITUDINAL/TRANSVERSE CRACKING	M	95 LF	2.49%	17.63
LONGITUDINAL/TRANSVERSE CRACKING	H	84 LF	2.19%	28.34
RAVELING	M	562 SF	14.69%	24.54
WEATHERING	L	2,677 LF	70.01%	5.49

* 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

GARDINER AIRPORT

FIRST YEAR LOCAL: 2013 **LOCAL REPAIR COST: \$13,919**

Section	Distress Description	Severity	Quantity	Work Description	Quantity	Cost	Poliev
R-1	L & T CR	H	5,484 LF	Crack Sealing - AC	5,484 LF	\$13,710	SAFETY
T-1	L & T CR	H	84 LF	Crack Sealing - AC	84 LF	\$209	SAFETY

FIFTEEN YEAR PROJECTIONS **ESTIMATED AVERAGE ANNUAL COST: \$83,332**

Plan Year: 2013		Estimated Cost: \$1,010,730					PCI	
Section	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	Before	After
T-1	Major Below Critical	\$0	\$0	\$19,815	\$0	\$19,815	49	100
R-1	Major Below Critical	\$0	\$0	\$990,915	\$0	\$990,915	43	100

Plan Year: 2014		Estimated Cost: \$0					PCI	
Section	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	Before	After

Plan Year: 2015		Estimated Cost: \$349					PCI	
Section	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	Before	After
R-1	Preventive	\$342	\$0	\$0	\$0	\$342	88	88
T-1	Preventive	\$8	\$0	\$0	\$0	\$8	88	88

Plan Year: 2016		Estimated Cost: \$1,222					PCI	
Section	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	Before	After
R-1	Preventive	\$1,194	\$0	\$0	\$0	\$1,194	83	84
T-1	Preventive	\$28	\$0	\$0	\$0	\$28	83	84

Plan Year: 2017		Estimated Cost: \$2,463					PCI	
Section	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	Before	After
R-1	Preventive	\$2,407	\$0	\$0	\$0	\$2,407	79	79
T-1	Preventive	\$56	\$0	\$0	\$0	\$56	79	79

Plan Year: 2018		Estimated Cost: \$5,355					PCI	
Section	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	Before	After
R-1	Preventive	\$5,234	\$0	\$0	\$0	\$5,234	76	76
T-1	Preventive	\$121	\$0	\$0	\$0	\$121	76	76

Plan Year: 2019		Estimated Cost: \$8,048					PCI	
Section	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	Before	After
T-1	Preventive	\$182	\$0	\$0	\$0	\$182	73	73
R-1	Preventive	\$7,866	\$0	\$0	\$0	\$7,866	73	73

Plan Year: 2020		Estimated Cost: \$10,797					PCI	
Section	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	Before	After
T-1	Preventive	\$244	\$0	\$0	\$0	\$244	70	70
R-1	Preventive	\$10,553	\$0	\$0	\$0	\$10,553	70	70

Plan Year: 2021		Estimated Cost: \$16,170					PCI	
Section	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	Before	After
R-1	Preventive	\$15,804	\$0	\$0	\$0	\$15,804	67	68
T-1	Preventive	\$366	\$0	\$0	\$0	\$366	67	68

Plan Year: 2022		Estimated Cost: \$21,127					PCI	
Section	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	Before	After
R-1	Preventive	\$20,649	\$0	\$0	\$0	\$20,649	65	66
T-1	Preventive	\$478	\$0	\$0	\$0	\$478	65	66

Plan Year: 2023		Estimated Cost: \$25,754					PCI	
Section	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	Before	After
R-1	Preventive	\$25,170	\$0	\$0	\$0	\$25,170	64	64
T-1	Preventive	\$583	\$0	\$0	\$0	\$583	64	64

Plan Year: 2024		Estimated Cost: \$30,126					PCI	
Section	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	Before	After
R-1	Preventive	\$29,444	\$0	\$0	\$0	\$29,444	62	62
T-1	Preventive	\$682	\$0	\$0	\$0	\$682	62	62

Plan Year: 2025		Estimated Cost: \$34,304					PCI	
Section	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	Before	After
R-1	Preventive	\$33,527	\$0	\$0	\$0	\$33,527	61	61
T-1	Preventive	\$777	\$0	\$0	\$0	\$777	61	61

GARDINER AIRPORT

Plan Year: 2026				Estimated Cost: \$38,977			PCI		
Section	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	Before	After	
R-1	Preventive	\$38,095	\$0	\$0	\$0	\$38,095	60	60	
T-1	Preventive	\$883	\$0	\$0	\$0	\$883	60	60	

Plan Year: 2027				Estimated Cost: \$44,552			PCI		
Section	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	Before	After	
T-1	Preventive	\$1,009	\$0	\$0	\$0	\$1,009	58	58	
R-1	Preventive	\$43,544	\$0	\$0	\$0	\$43,544	58	58	

GARDINER AIRPORT

8/28/2012



R-1, Overview



R-1, Surface detail with bleeding



R-1, Surface detail with crack



R-1, Surface detail with raveling

GARDINER AIRPORT

8/28/2012



T-1, Overview with crack and raveling



T-1, Overview with crack

