

FORT BENTON AIRPORT

Branch: 60A **APRON** **A-1**

Length: 392 LF **Width:** 252 LF **Area:** 98,784 SF **Last Const:** 1999 **Family:** ACAM
From: T-1 **To:** T-2 **Surface:** AC

Inspections

Samples Surveyed: 5 **Total Samples:** 20 **Last Inspection Date:** 8/22/2012 **PCI:** 78

Sample # 4 **Area:** 4,900 SF

Distress Description	Severity	Quantity
DEPRESSION	L	1 SF
LONGITUDINAL/TRANSVERSE CRACKING	L	16 LF
WEATHERING	L	1,200 SF

Sample # 7 **Area:** 4,900 SF

Distress Description	Severity	Quantity
DEPRESSION	L	85 LF
LONGITUDINAL/TRANSVERSE CRACKING	L	211 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	49 LF
WEATHERING	L	950 SF

Sample # 9 **Area:** 4,900 SF

Distress Description	Severity	Quantity
DEPRESSION	L	105 LF
DEPRESSION	M	25 LF
LONGITUDINAL/TRANSVERSE CRACKING	L	392 LF
LONGITUDINAL/TRANSVERSE CRACKING	L	224 LF
WEATHERING	L	1,400 SF

Sample # 13 **Area:** 4,900 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	120 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	30 LF
WEATHERING	L	1,000 SF

Sample # 18 **Area:** 4,900 SF

Distress Description	Severity	Quantity
DEPRESSION	L	9 SF
LONGITUDINAL/TRANSVERSE CRACKING	M	50 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	162 LF
WEATHERING	L	1,300 SF

Extrapolated Distress Quantities*

Distress Description	Severity	Quantity	Density	Deduct
LONGITUDINAL/TRANSVERSE CRACKING	L	3,883 LF	3.93%	12.35
LONGITUDINAL/TRANSVERSE CRACKING	M	1,173 LF	1.19%	12.16
DEPRESSION	M	8 SF	0.01%	5.2
WEATHERING	L	23,587 SF	23.88%	3.16

* 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 99.0 % Climate/Durability 1.0 % Other

FORT BENTON AIRPORT

Branch: 60R RUNWAY

R-1

Length: 4,300 LF Width: 75 LF Area: 322,500 SF Last Const: 1999 Family: ACRML
 From: 12+00 To: 55+00 Surface: AC

Inspections

Samples Surveyed: 7 Total Samples: 66 Last Inspection Date: 8/22/2012 **PCI: 73**

Sample # 4 Area: 4,875 SF

Distress Description	Severity	Quantity
ALLIGATOR CRACKING	L	270 SF
LONGITUDINAL/TRANSVERSE CRACKING	L	180 LF
WEATHERING	L	244 SF

Sample # 13 Area: 4,875 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	232 LF
WEATHERING	L	244 SF

Sample # 22 Area: 4,875 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	290 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	3 LF
WEATHERING	L	244 SF

Sample # 31 Area: 4,875 SF

Distress Description	Severity	Quantity
ALLIGATOR CRACKING	L	608 SF
LONGITUDINAL/TRANSVERSE CRACKING	L	288 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	25 LF
WEATHERING	L	244 SF

Sample # 40 Area: 4,875 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	4 LF
LONGITUDINAL/TRANSVERSE CRACKING	L	220 LF
WEATHERING	L	244 SF

Sample # 49 Area: 4,875 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	200 LF
LONGITUDINAL/TRANSVERSE CRACKING	L	79 LF
WEATHERING	L	244 SF

Sample # 58 Area: 4,875 SF

Distress Description	Severity	Quantity
DEPRESSION	L	72 SF
LONGITUDINAL/TRANSVERSE CRACKING	L	173 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	38 LF
WEATHERING	L	244 SF

Extrapolated Distress Quantities*

Distress Description	Severity	Quantity	Density	Deduct
ALLIGATOR CRACKING	L	8,293 SF	2.57%	29.56
DEPRESSION	L	680 SF	0.21%	0.87
LONGITUDINAL/TRANSVERSE CRACKING	M	619 LF	0.19%	5.02
LONGITUDINAL/TRANSVERSE CRACKING	L	15,745 LF	4.88%	14.51
WEATHERING	L	16,125 SF	5.00%	1.09

* 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

58.0 % Load

40.0 % Climate/Durability

2.0 % Other

FORT BENTON AIRPORT

Branch: 60T TAXIWAY

T-1

Length: 1,304 LF Width: 35 LF Area: 45,640 SF Last Const: 1999 Family: ACRML
 From: R-1 To: A-1 & TURNAROUNDS Surface: AC

Inspections

Samples Surveyed: 4 Total Samples: 9 Last Inspection Date: 8/22/2012 **PCI: 88**

Sample # 2 Area: 4,900 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	55 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	15 LF
WEATHERING	L	490 SF

Sample # 4 Area: 4,900 SF

Distress Description	Severity	Quantity
ALLIGATOR CRACKING	L	40 SF
LONGITUDINAL/TRANSVERSE CRACKING	L	330 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	20 LF
WEATHERING	L	490 SF

Sample # 6 Area: 4,900 SF

Distress Description	Severity	Quantity
WEATHERING	L	490 SF

Sample # 8 Area: 4,900 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	4 LF
WEATHERING	L	490 SF

Extrapolated Distress Quantities*

Distress Description	Severity	Quantity	Density	Deduct
ALLIGATOR CRACKING	L	93 SF	0.20%	8.68
LONGITUDINAL/TRANSVERSE CRACKING	M	82 LF	0.18%	4.82
LONGITUDINAL/TRANSVERSE CRACKING	L	906 LF	1.98%	7.37
WEATHERING	L	4,564 SF	10.00%	1.72

* 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

38.0 % Load

62.0 % Climate/Durability

0.0 % Other

FORT BENTON AIRPORT

Branch: 60T TAXIWAY

T-2

Length: 907 LF Width: 35 LF Area: 31,745 SF Last Const: 1999 Family: ACRML
 From: A-1 To: HANGARS Surface: AC

Inspections

Samples Surveyed: 3 Total Samples: 6 Last Inspection Date: 8/22/2012 **PCI: 85**

Sample # 1 Area: 4,602 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	137 LF
WEATHERING	L	460 SF

Sample # 3 Area: 4,602 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	172 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	11 LF

Sample # 4 Area: 4,602 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	198 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	5 LF
WEATHERING	L	1 SF

Extrapolated Distress Quantities*

Distress Description	Severity	Quantity	Density	Deduct
LONGITUDINAL/TRANSVERSE CRACKING	M	37 LF	0.12%	4.00
LONGITUDINAL/TRANSVERSE CRACKING	L	1,163 LF	3.66%	11.71
WEATHERING	L	1,060 SF	3.34%	0.87

* 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

FORT BENTON AIRPORT

Branch: 60T TAXIWAY

T-3

Length: 5,180 LF Width: 35 LF Area: 181,300 SF Last Const: 1959 Family: ACRML
 From: REMAINING OLD AIRPORT To: Surface: AC

Inspections

Samples Surveyed: 5 Total Samples: 36 Last Inspection Date: 8/22/2012 **PCI: 46**

Sample # 2 Area: 5,075 SF

Distress Description	Severity	Quantity
ALLIGATOR CRACKING	M	21 SF
LONGITUDINAL/TRANSVERSE CRACKING	L	370 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	124 LF
LONGITUDINAL/TRANSVERSE CRACKING	H	11 LF
WEATHERING	L	3,553 SF

Sample # 9 Area: 5,075 SF

Distress Description	Severity	Quantity
ALLIGATOR CRACKING	L	65 SF
ALLIGATOR CRACKING	M	184 SF
LONGITUDINAL/TRANSVERSE CRACKING	L	423 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	57 LF
LONGITUDINAL/TRANSVERSE CRACKING	H	16 LF
WEATHERING	L	3,553 SF

Sample # 21 Area: 5,920 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	341 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	289 LF
LONGITUDINAL/TRANSVERSE CRACKING	H	63 LF
RAVELING	M	5 SF
WEATHERING	M	4,736 SF

Sample # 23 Area: 5,712 SF

Distress Description	Severity	Quantity
ALLIGATOR CRACKING	M	154 SF
DEPRESSION	L	3 SF
LONGITUDINAL/TRANSVERSE CRACKING	L	300 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	216 LF
LONGITUDINAL/TRANSVERSE CRACKING	H	27 LF

Sample # 30 Area: 3,960 SF

Distress Description	Severity	Quantity
ALLIGATOR CRACKING	H	24 SF
BLOCK CRACKING	L	248 SF
LONGITUDINAL/TRANSVERSE CRACKING	L	80 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	16 LF
LONGITUDINAL/TRANSVERSE CRACKING	H	4 LF
RAVELING	M	260 SF
WEATHERING	L	3,168 SF

Extrapolated Distress Quantities*

Distress Description	Severity	Quantity	Density	Deduct
LONGITUDINAL/TRANSVERSE CRACKING	M	4,944 LF	2.73%	18.51
LONGITUDINAL/TRANSVERSE CRACKING	L	10,663 LF	5.88%	16.57
ALLIGATOR CRACKING	H	169 SF	0.09%	16
LONGITUDINAL/TRANSVERSE CRACKING	H	852 LF	0.47%	14.08
ALLIGATOR CRACKING	L	454 SF	0.25%	9.72
WEATHERING	M	33,355 SF	18.40%	8.27
RAVELING	M	1,866 SF	1.03%	7.96
BLOCK CRACKING	L	1,747 SF	0.96%	7.78
WEATHERING	L	72,359 SF	39.91%	4.3
DEPRESSION	L	21 SF	0.01%	0.3

* 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

16.0 % Load

84.0 % Climate/Durability

0.0 % Other

FORT BENTON AIRPORT

Branch: 60T TAXIWAY

T-4

Length: 565 LF Width: 45 LF Area: 25,398 SF Last Const: 2009 Family: ACRML
 From: T-2 To: A-1 Surface: AC

Inspections

Samples Surveyed: 3 Total Samples: 6 Last Inspection Date: 8/22/2012 **PCI: 98**

Sample # 2 Area: 3,735 SF

Distress Description	Severity	Quantity
RAVELING	L	52 SF
WEATHERING	L	68 SF

Sample # 4 Area: 4,731 SF

Distress Description	Severity	Quantity
WEATHREING	L	95 SF

Sample # 6 Area: 4,731 SF

Distress Description	Severity	Quantity
WEATHERING	L	95 SF
DEPRESSION	L	4 SF
DEPRESSION	L	1 SF

Extrapolated Distress Quantities*

Distress Description	Severity	Quantity	Density	Deduct
DEPRESSION	L	10 SF	0.04%	0.3
RAVELING	L	100 SF	0.39%	1.57
WEATHERING	L	497 SF	1.95%	0.68

* 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 88.0 % Climate/Durability 12.0 % Other

FORT BENTON AIRPORT

FIRST YEAR LOCAL: 2013

LOCAL REPAIR COST: \$16,861

Section	Distress Description	Severity	Quantity	Work Description	Quantity	Cost	Policy
A-1	DEPRESSION	M	8 SF	Patching - AC Deep	24 SF	\$940	PREV.
A-1	L & T CR	M	1,173 LF	Crack Sealing - AC	1,173 LF	\$2,933	PREV.
R-1	L & T CR	M	619 LF	Crack Sealing - AC	619 LF	\$1,548	PREV.
T-1	L & T CR	M	82 LF	Crack Sealing - AC	82 LF	\$204	PREV.
T-2	L & T CR	M	37 LF	Crack Sealing - AC	37 LF	\$92	PREV.
T-3	ALLIGATOR CR	H	169 SF	Patching - AC Deep	225 SF	\$9,014	SAFETY
T-3	L & T CR	H	852 LF	Crack Sealing - AC	852 LF	\$2,131	SAFETY

FIFTEEN YEAR PROJECTIONS

ESTIMATED AVERAGE ANNUAL COST: \$152,363

Plan Year: 2013		Estimated Cost: \$1,718,327					PCI	
Section	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	Before	After
A-1	Global MR + Preventive	\$2,441	\$24,696	\$0	\$0	\$27,137	76	82
R-1	Major Above Critical	\$0	\$0	\$0	\$589,529	\$589,529	72	100
T-1	Global MR + Preventive	\$187	\$11,410	\$0	\$0	\$11,597	86	93
T-2	Global MR + Preventive	\$219	\$7,936	\$0	\$0	\$8,155	83	90
T-3	Major Below Critical	\$0	\$0	\$1,081,909	\$0	\$1,081,909	44	100

Plan Year: 2014		Estimated Cost: \$7,990					PCI	
Section	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	Before	After
A-1	Preventive	\$1,315	\$0	\$0	\$0	\$1,315	79	79
T-1	Preventive	\$19	\$0	\$0	\$0	\$19	90	90
T-2	Preventive	\$116	\$0	\$0	\$0	\$116	86	87
T-4	Global MR	\$0	\$6,540	\$0	\$0	\$6,540	93	99

Plan Year: 2015		Estimated Cost: \$2,877					PCI	
Section	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	Before	After
A-1	Preventive	\$2,473	\$0	\$0	\$0	\$2,473	77	77
T-1	Preventive	\$182	\$0	\$0	\$0	\$182	86	86
T-2	Preventive	\$222	\$0	\$0	\$0	\$222	83	84

Plan Year: 2016		Estimated Cost: \$5,459					PCI	
Section	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	Before	After
A-1	Preventive	\$3,627	\$0	\$0	\$0	\$3,627	74	74
R-1	Preventive	\$750	\$0	\$0	\$0	\$750	88	88
T-1	Preventive	\$338	\$0	\$0	\$0	\$338	83	83
T-2	Preventive	\$323	\$0	\$0	\$0	\$323	81	81
T-3	Preventive	\$421	\$0	\$0	\$0	\$421	88	88

Plan Year: 2017		Estimated Cost: \$8,868					PCI	
Section	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	Before	After
A-1	Preventive	\$4,772	\$0	\$0	\$0	\$4,772	72	72
R-1	Preventive	\$1,926	\$0	\$0	\$0	\$1,926	85	85
T-1	Preventive	\$487	\$0	\$0	\$0	\$487	81	81
T-2	Preventive	\$601	\$0	\$0	\$0	\$601	78	78
T-3	Preventive	\$1,082	\$0	\$0	\$0	\$1,082	85	85

Plan Year: 2018		Estimated Cost: \$63,975					PCI	
Section	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	Before	After
A-1	Global MR + Preventive	\$6,219	\$28,630	\$0	\$0	\$34,848	70	75
R-1	Preventive	\$3,053	\$0	\$0	\$0	\$3,053	82	82
T-1	Global MR + Preventive	\$920	\$13,227	\$0	\$0	\$14,148	78	84
T-2	Global MR + Preventive	\$926	\$9,200	\$0	\$0	\$10,126	76	81
T-3	Preventive	\$1,716	\$0	\$0	\$0	\$1,716	82	82
T-4	Preventive	\$83	\$0	\$0	\$0	\$83	87	87

Plan Year: 2019		Estimated Cost: \$21,510					PCI	
Section	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	Before	After
A-1	Preventive	\$4,944	\$0	\$0	\$0	\$4,944	72	72
R-1	Preventive	\$4,930	\$0	\$0	\$0	\$4,930	79	79
T-1	Preventive	\$503	\$0	\$0	\$0	\$503	81	81
T-2	Preventive	\$606	\$0	\$0	\$0	\$606	79	79
T-3	Preventive	\$2,771	\$0	\$0	\$0	\$2,771	79	79
T-4	Global MR + Preventive	\$174	\$7,582	\$0	\$0	\$7,755	84	90

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Plan Year: 2020		Estimated Cost: \$21,718					PCI		
Section	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	Before	After	
A-1	Preventive	\$6,317	\$0	\$0	\$0	\$6,317	70	70	
R-1	Preventive	\$8,600	\$0	\$0	\$0	\$8,600	77	77	
T-1	Preventive	\$929	\$0	\$0	\$0	\$929	78	78	
T-2	Preventive	\$954	\$0	\$0	\$0	\$954	76	76	
T-3	Preventive	\$4,835	\$0	\$0	\$0	\$4,835	77	77	
T-4	Preventive	\$82	\$0	\$0	\$0	\$82	87	87	

Plan Year: 2021		Estimated Cost: \$30,715					PCI		
Section	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	Before	After	
A-1	Preventive	\$9,110	\$0	\$0	\$0	\$9,110	68	68	
R-1	Preventive	\$11,978	\$0	\$0	\$0	\$11,978	75	75	
T-1	Preventive	\$1,441	\$0	\$0	\$0	\$1,441	76	76	
T-2	Preventive	\$1,275	\$0	\$0	\$0	\$1,275	75	75	
T-3	Preventive	\$6,734	\$0	\$0	\$0	\$6,734	75	75	
T-4	Preventive	\$177	\$0	\$0	\$0	\$177	84	85	

Plan Year: 2022		Estimated Cost: \$39,239					PCI		
Section	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	Before	After	
A-1	Preventive	\$11,923	\$0	\$0	\$0	\$11,923	66	66	
R-1	Preventive	\$15,082	\$0	\$0	\$0	\$15,082	74	74	
T-1	Preventive	\$1,910	\$0	\$0	\$0	\$1,910	74	75	
T-2	Preventive	\$1,567	\$0	\$0	\$0	\$1,567	73	73	
T-3	Preventive	\$8,479	\$0	\$0	\$0	\$8,479	74	74	
T-4	Preventive	\$278	\$0	\$0	\$0	\$278	82	82	

Plan Year: 2023		Estimated Cost: \$106,650					PCI		
Section	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	Before	After	
A-1	Global MR + Preventive	\$14,789	\$33,190	\$0	\$0	\$47,979	64	68	
R-1	Preventive	\$17,910	\$0	\$0	\$0	\$17,910	72	72	
T-1	Global MR + Preventive	\$2,340	\$15,334	\$0	\$0	\$17,675	73	77	
T-2	Global MR + Preventive	\$1,835	\$10,666	\$0	\$0	\$12,500	72	75	
T-3	Preventive	\$10,069	\$0	\$0	\$0	\$10,069	72	72	
T-4	Preventive	\$518	\$0	\$0	\$0	\$518	79	79	

Plan Year: 2024		Estimated Cost: \$57,713					PCI		
Section	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	Before	After	
A-1	Preventive	\$12,362	\$0	\$0	\$0	\$12,362	66	66	
R-1	Preventive	\$20,480	\$0	\$0	\$0	\$20,480	71	71	
T-1	Preventive	\$1,989	\$0	\$0	\$0	\$1,989	75	75	
T-2	Preventive	\$1,640	\$0	\$0	\$0	\$1,640	73	73	
T-3	Preventive	\$11,513	\$0	\$0	\$0	\$11,513	71	71	
T-4	Global MR + Preventive	\$941	\$8,789	\$0	\$0	\$9,730	76	82	

Plan Year: 2025		Estimated Cost: \$55,992					PCI		
Section	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	Before	After	
A-1	Preventive	\$15,407	\$0	\$0	\$0	\$15,407	64	64	
R-1	Preventive	\$22,845	\$0	\$0	\$0	\$22,845	70	70	
T-1	Preventive	\$2,452	\$0	\$0	\$0	\$2,452	73	73	
T-2	Preventive	\$1,926	\$0	\$0	\$0	\$1,926	72	72	
T-3	Preventive	\$12,843	\$0	\$0	\$0	\$12,843	70	70	
T-4	Preventive	\$518	\$0	\$0	\$0	\$518	79	79	

Plan Year: 2026		Estimated Cost: \$66,778					PCI		
Section	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	Before	After	
A-1	Preventive	\$18,511	\$0	\$0	\$0	\$18,511	62	62	
R-1	Preventive	\$27,042	\$0	\$0	\$0	\$27,042	69	69	
T-1	Preventive	\$2,871	\$0	\$0	\$0	\$2,871	72	72	
T-2	Preventive	\$2,187	\$0	\$0	\$0	\$2,187	71	71	
T-3	Preventive	\$15,202	\$0	\$0	\$0	\$15,202	69	69	
T-4	Preventive	\$965	\$0	\$0	\$0	\$965	76	76	

Plan Year: 2027		Estimated Cost: \$77,639					PCI		
Section	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	Before	After	
A-1	Preventive	\$21,711	\$0	\$0	\$0	\$21,711	60	61	
R-1	Preventive	\$31,220	\$0	\$0	\$0	\$31,220	69	69	
T-1	Preventive	\$3,256	\$0	\$0	\$0	\$3,256	71	71	
T-2	Preventive	\$2,463	\$0	\$0	\$0	\$2,463	70	70	
T-3	Preventive	\$17,551	\$0	\$0	\$0	\$17,551	69	69	
T-4	Preventive	\$1,438	\$0	\$0	\$0	\$1,438	73	73	

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A-1, Overview



R-1, Overview with depression



R-1, Surface detail with crack



T-1, Overview

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T-1, Surface detail with cracking



T-2, Overview



T-2, Surface detail with raveling



T-3, Overview

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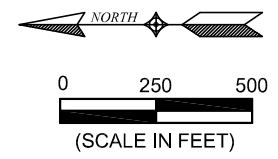
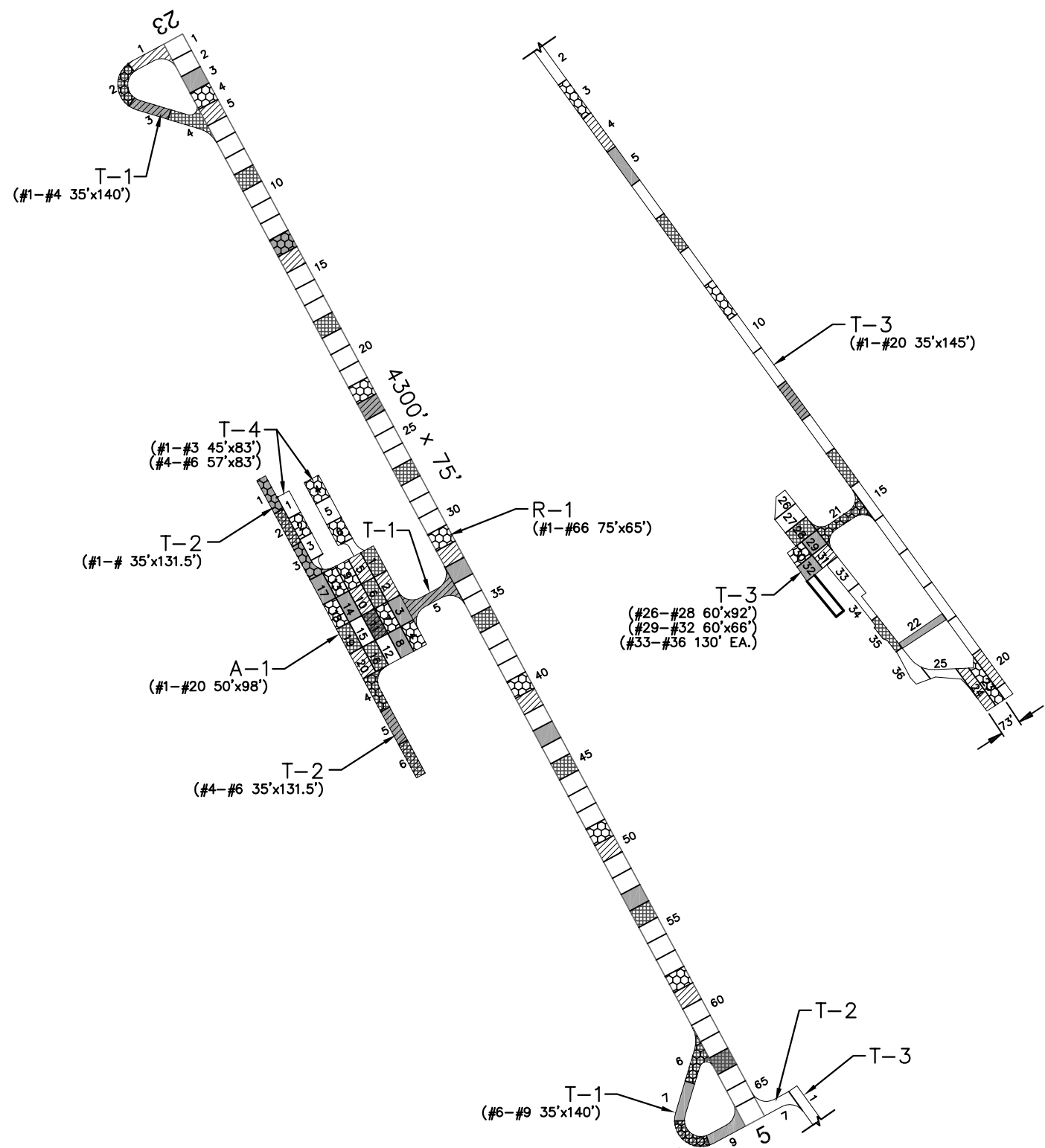


T-3, Surface detail with crack



T-3, Surface detail with depression and cracking

FORT BENTON





PAVEMENT STRENGTH SURVEY/PAVEMENT CONDITION SURVEY

FORT BENTON

PAVE. IDENT.	SOIL CLASS	SUB GRADE CLASS	SUBBASE COURSE	BASE COURSE	SURFACE COURSE	OVERLAY	PAVEMENT STRENGTH			REMARKS
							MAX. GROSS LOAD (LBS)			
							SINGLE	DUAL	DUAL TAN.	
RUNWAYS										
R-1		CBR=9	6" COMP. P-152 & FILTER FABRIC	6" P-208	3" P-401	P-609	12,500			2 3 4
TAXIWAYS										
T-1		CBR=9	6" COMP. P-152 & FILTER FABRIC	6" P-208	3" P-401	P-609	12,500			2 3 4
T-2		CBR=9	6" COMP. P-152 & FILTER FABRIC	6" P-208	3" P-401	P-609	12,500			2 3 4
T-3				8" AGG	3" AC		12,500			1
T-4		CBR=9.4	P-152 & FILTER FABRIC	6" P-208	3" P-403		12,500			4
APRONS										
A-1		CBR=9	6" COMP. P-152 & FILTER FABRIC	6" P-208	3" P-401	P-609	12,500			2 3 4

REMARKS:

- 1 ORIGINAL AIRPORT CONSTRUCTION, PLUS SEVERAL REHABILITATION PROJECTS.
- 2 AIP-003, 1999, ALL NEW CONSTRUCTION.
- 3 AIP-004, 2005, CRACK SEAL, FOG SEAL, AND REMARK.
- 4 AIP-007, 2009, CONSTRUCT TAXIWAY (T-4); CRACK SEAL, FOG SEAL, AND REMARK [INSPECTED PRIOR TO TAXIWAY CONSTRUCTION].

LEGEND [Pattern] 1997 SURVEY AREA (NOT SURVEYED) [Pattern] 2000 SURVEY AREA (NOT SURVEYED) [Pattern] 2003 SURVEY AREA [Pattern] 2006 SURVEY AREA [Pattern] 2009 SURVEY AREA [Pattern] 2012 SURVEY AREA	DATE OF PAVEMENT STRENGTH SURVEY:		MONTANA AVIATION SYSTEM PLAN 2012 UPDATE - PAVEMENT CONDITION INDEXES FORT BENTON AIRPORT
	EVALUATED BY:		
	DATE OF MOST RECENT PAVEMENT CONDITION SURVEY:	AUG. 22, 2012	PREPARED FOR:  FORT BENTON MONTANA
	EVALUATED BY:	S. BROWN	
			PREPARED BY:  ENGINEERING PLANNING CONSULTING
			DATE: DEC. 2012