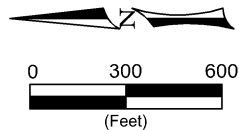
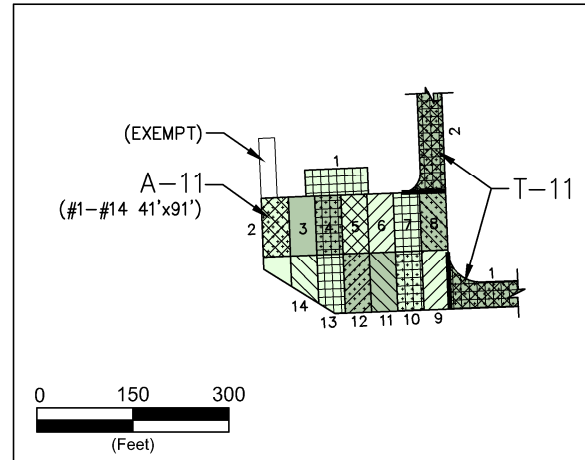
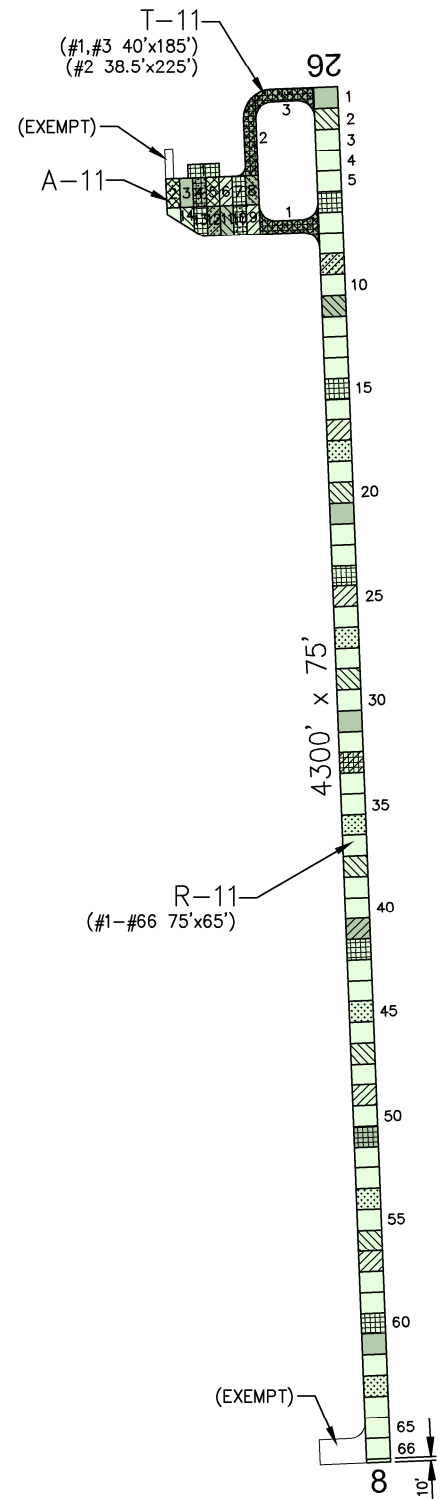


TERRY



PAVEMENT STRENGTH SURVEY/PAVEMENT CONDITION SURVEY

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-11	E-1			11.5" P-207	2.5" P-401	P-609	12,500			1,2,3
TAXIWAYS										
T-11	E-1			11.5" P-207	2.5" P-401	P-609	12,500			1,2,3
APRONS										
A-11	E-1			11.5" P-207	2.5" P-401	P-609	12,500			1,2,3

REMARKS:

- ADAP, 1977, CONSTRUCTION.
- 1. AIP-01, 2001, RECONSTRUCT RUNWAY, TAXIWAY, AND APRON.
- 2. AIP-002-2008, CRACK SEAL, FOG SEAL, AND REMARK ALL PAVEMENTS.
- 3. AIP-006-2014, CRACK SEAL, FOG SEAL, AND REMARK ALL PAVEMENTS.

LEGEND

- 2003 SURVEY AREA
- 2006 SURVEY AREA
- 2009 SURVEY AREA
- 2012 SURVEY AREA
- 2015 SURVEY AREA
- MAINTAIN: PCI > 60
- TRANSITION: PCI 45 TO 60
- RECONSTRUCT: PCI < 45

DATE OF PAVEMENT STRENGTH SURVEY:

EVALUATED BY:

DATE OF MOST RECENT PAVEMENT CONDITION SURVEY:

EVALUATED BY:

LOCATION:

SEPT. 2, 2015

B. BURKLAND

TERRY MONTANA

**MONTANA AVIATION SYSTEM PLAN
2015 UPDATE - PAVEMENT CONDITION INDEXES**

**TERRY AIRPORT
(8U6)**

Date: DECEMBER 2015

Prepared For:



Prepared By:



TERRY AIRPORT

9/2/2015



A-11, Overview



A-11, Surface detail of severe mechanical damage



R-11, Surface detail



R-11, Overview with swells & scrapes

TERRY AIRPORT

9/2/2015



T-11, Overview



T-11, Surface detail with scraping

TERRY AIRPORT

Branch: 41A

APRON

A-11

Length: 287 LF **Width:** 182 LF **Area:** 52,234 SF **Last Const. :** 2001 **Family:** ACAM15
From: T-11 **To:** HANGARS **Surface:** AC

Inspections

Samples Surveyed: 5 **Total Samples:** 14 **Last Inspection Date (RPA)** 9/2/2015 **PCI:** 74

Sample # 2 **Area:** 3731 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	49 LF
DEPRESSION	L	87 SF
WEATHERING	L	19 SF
LONGITUDINAL/TRANSVERSE CRACKING	H	1 LF
RAVELING	H	3 SF
DEPRESSION	H	1 SF
PATCHING	L	1 SF

Sample # 4 **Area:** 3731 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	128 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	9 LF
WEATHERING	L	29 SF
PATCHING	L	10 SF
RAVELING	L	3 SF

Sample # 8 **Area:** 3731 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	182 LF
WEATHERING	L	29 SF
DEPRESSION	L	29 SF
PATCHING	L	21 SF
SWELLING	L	3 SF
RAVELING	L	3 SF

Sample # 10 **Area:** 3731 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	114 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	12 LF
WEATHERING	L	29 SF
RUTTING	L	15 SF
DEPRESSION	L	10 SF

Sample # 12 **Area:** 3731 SF

Distress Description	Severity	Quantity
LONGITUDINAL/TRANSVERSE CRACKING	L	198 LF
LONGITUDINAL/TRANSVERSE CRACKING	M	14 LF
WEATHERING	L	34 SF
DEPRESSION	L	20 SF
RAVELING	L	3 SF

Extrapolated Distress Quantities*

Distress Description	Severity	Quantity	Density	Deduct
DEPRESSION	H	3 SF	0.01 %	12.00
LONGITUDINAL/TRANSVERSE CRACKING	L	1879 LF	3.60 %	11.55
RUTTING	L	42 SF	0.08 %	8.50
LONGITUDINAL/TRANSVERSE CRACKING	H	3 LF	0.01 %	7.50
RAVELING	H	8 SF	0.02 %	6.00
DEPRESSION	L	409 SF	0.78 %	5.32
LONGITUDINAL/TRANSVERSE CRACKING	M	98 LF	0.19 %	4.96
PATCHING	L	90 SF	0.17 %	2.01
SWELLING	L	8 SF	0.02 %	1.00
RAVELING	L	25 SF	0.05 %	1.00
WEATHERING	L	392 SF	0.75 %	0.42

* 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

14.0 % Load 56.0 % Climate/Durability 30.0 % Other

TERRY AIRPORT**FIFTEEN YEAR PROJECTIONS: ESTIMATED AVERAGE ANNUAL COST: \$51,884**

PLAN YEAR: 2016			ESTIMATED COST:			\$156,593	PCI	
SectionID	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	before	after
T-11	Prev. & Thin AC	\$546	\$45,753			\$46,299	77	88
R-11	Prev. & Seal Coat	\$3,158	\$90,300			\$93,458	80	85
A-11	Prev. & Seal Coat	\$2,210	\$14,626			\$16,836	72	77
PLAN YEAR: 2017			ESTIMATED COST:			\$4,308	PCI	
SectionID	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	before	after
T-11	Basic Prev.	\$120				\$120	85	85
A-11	Basic Prev.	\$1,704				\$1,704	75	75
R-11	Basic Prev.	\$2,484				\$2,484	83	83
PLAN YEAR: 2018			ESTIMATED COST:			\$5,734	PCI	
SectionID	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	before	after
T-11	Basic Prev.	\$185				\$185	83	83
R-11	Basic Prev.	\$3,268				\$3,268	80	81
A-11	Basic Prev.	\$2,281				\$2,281	72	72
PLAN YEAR: 2019			ESTIMATED COST:			\$8,552	PCI	
SectionID	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	before	after
T-11	Basic Prev.	\$244				\$244	80	81
A-11	Basic Prev.	\$2,883				\$2,883	70	70
R-11	Basic Prev.	\$5,425				\$5,425	79	79
PLAN YEAR: 2020			ESTIMATED COST:			\$12,487	PCI	
SectionID	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	before	after
A-11	Basic Prev.	\$4,245				\$4,245	68	68
T-11	Basic Prev.	\$402				\$402	79	79
R-11	Basic Prev.	\$7,840				\$7,840	77	77
PLAN YEAR: 2021			ESTIMATED COST:			\$138,015	PCI	
SectionID	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	before	after
A-11	Prev. & Seal Coat	\$5,656	\$16,955			\$22,611	66	70
R-11	Prev. & Seal Coat	\$10,139	\$104,683			\$114,821	76	79
T-11	Basic Prev.	\$583				\$583	77	77
PLAN YEAR: 2022			ESTIMATED COST:			\$13,115	PCI	
SectionID	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	before	after
A-11	Basic Prev.	\$4,335				\$4,335	68	68
T-11	Basic Prev.	\$756				\$756	76	76
R-11	Basic Prev.	\$8,024				\$8,024	77	77
PLAN YEAR: 2023			ESTIMATED COST:			\$17,263	PCI	
SectionID	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	before	after
T-11	Basic Prev.	\$928				\$928	74	75
A-11	Basic Prev.	\$5,833				\$5,833	66	66
R-11	Basic Prev.	\$10,502				\$10,502	76	76
PLAN YEAR: 2024			ESTIMATED COST:			\$21,437	PCI	
SectionID	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	before	after
T-11	Basic Prev.	\$1,106				\$1,106	73	73
A-11	Basic Prev.	\$7,404				\$7,404	64	64
R-11	Basic Prev.	\$12,927				\$12,927	75	75
PLAN YEAR: 2025			ESTIMATED COST:			\$25,802	PCI	
SectionID	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	before	after
T-11	Basic Prev.	\$1,297				\$1,297	72	72
A-11	Basic Prev.	\$9,071				\$9,071	62	62
R-11	Basic Prev.	\$15,434				\$15,434	73	73
PLAN YEAR: 2026			ESTIMATED COST:			\$233,182	PCI	
SectionID	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	before	after
A-11	Prev. & Seal Coat	\$11,035	\$19,656			\$30,691	60	64
T-11	Prev. & Thin AC	\$1,512	\$61,488			\$63,000	71	78
R-11	Prev. & Seal Coat	\$18,136	\$121,356			\$139,491	72	75
PLAN YEAR: 2027			ESTIMATED COST:			\$26,284	PCI	
SectionID	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	before	after
T-11	Basic Prev.	\$816				\$816	76	76
R-11	Basic Prev.	\$16,054				\$16,054	74	74
A-11	Basic Prev.	\$9,414				\$9,414	62	62

PLAN YEAR: 2028			ESTIMATED COST:			\$31,290	PCI	
SectionID	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	before	after
T-11	Basic Prev.	\$1,017				\$1,017	75	75
A-11	Basic Prev.	\$11,383				\$11,383	60	60
R-11	Basic Prev.	\$18,890				\$18,890	72	72
PLAN YEAR: 2029			ESTIMATED COST:			\$37,571	PCI	
SectionID	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	before	after
T-11	Basic Prev.	\$1,221				\$1,221	74	74
A-11	Basic Prev.	\$14,302				\$14,302	58	58
R-11	Basic Prev.	\$22,048				\$22,048	71	71
PLAN YEAR: 2030			ESTIMATED COST:			\$46,626	PCI	
SectionID	Maintenance	Local	Global	Major<Crit	Major>Crit	Total	before	after
R-11	Basic Prev.	\$27,658				\$27,658	69	69
A-11	Basic Prev.	\$17,528				\$17,528	55	55
T-11	Basic Prev.	\$1,440				\$1,440	72	72