



SOUTH CAROLINA AERONAUTICS COMMISSION

STATEWIDE AIRFIELD PAVEMENT MANAGEMENT SYSTEM UPDATE

 LKR - Lancaster County Airport - McWhirter Field



Kimley»»Horn

2022



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Overview

Introduction

For over 20 years, the South Carolina Aeronautics Commission (SCAC) has implemented an airfield pavement management program for publicly owned South Carolina airports. As part of their grant assurances federally obligated airports are required to perform detailed inspections as outlined in the FAA Advisory Circular 150/5380-7B – “Airport Pavement Management Program (PMP)”. All inspections performed within this program follow the guidance documented within the ASTM D5340-20 – “Standard Test Method for Airport Pavement Condition Surveys”. This is an objective process to assess the pavement condition in a consistent and repeatable manner.

Due to ever-changing pavement conditions, the FAA AC 150/5380-7B recommends the PMP be updated every 3 years. The overall pavement conditions are analyzed using the ASTM PCI methodology. It provides decision makers with a comparison of pavement facilities and a relative indication of their required maintenance or level of repair to aid in project prioritization. A detailed explanation of the SCAC airfield pavement management program process and pavement management terminology can be found in the [SCAC Statewide Report](#).

Project elements performed for the 2021-2024 program update included the development and update of pavement inventories, documentation of pavement conditions, performance modeling, and maintenance and rehabilitation (M&R) needs for all participating airports. This report summarizes the results of the SCAC pavement management program update at Lancaster County Airport – McWhirter Field (LKR)

Figure 1 – Airport Layout



System Inventory

The pavements at Lancaster County Airport – McWhirter Field (LKR) include approximately 1.2 million square feet of airfield pavements consisting of runways, taxiways, and aprons. Per the guidance in the ASTM D5340-20, all pavements were divided and subdivided into pavement management units (Network, Branch, Section, Sample). The divisions are documented in the **Network Definition Exhibit** providing the name and location of each branch, section, and sample.

Each pavement update included a review of documentation of any maintenance and major rehabilitation related activities performed on the airfield pavements. The following table summarizes the projects that have occurred since the previous inspection.

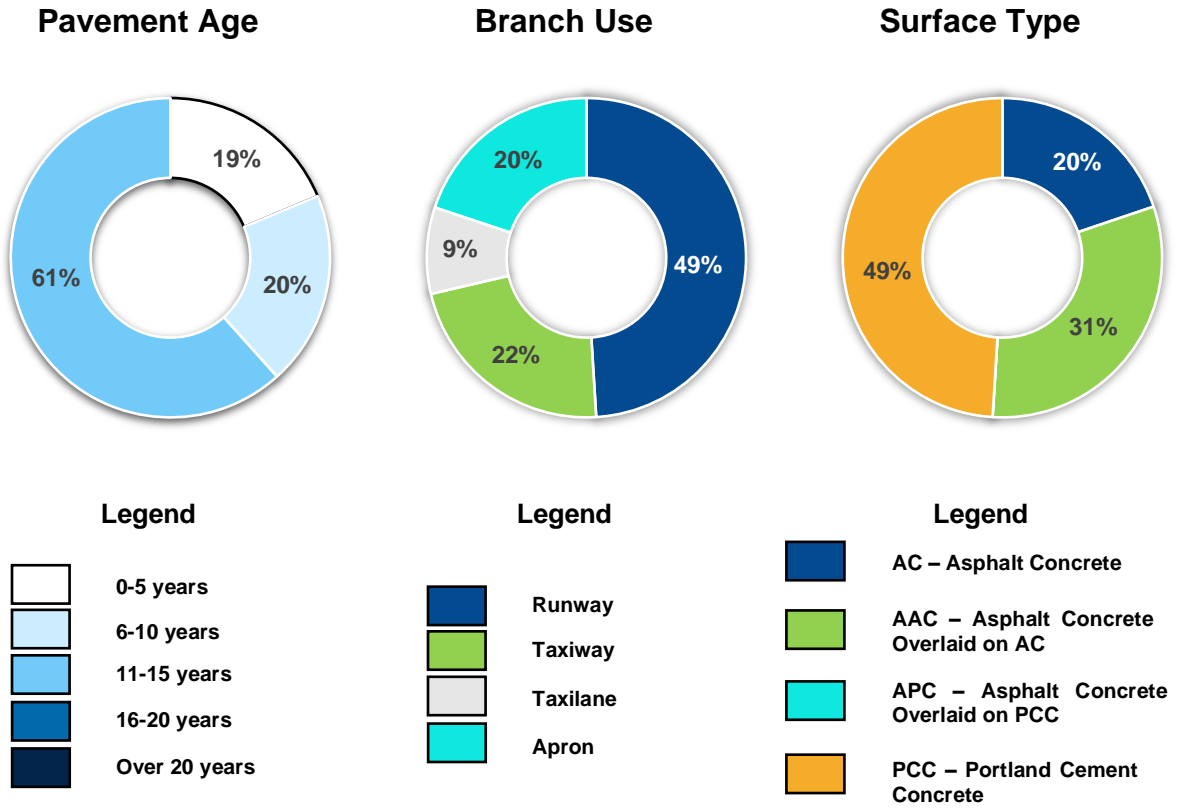
Table 1 - Recent Airfield Pavement Construction

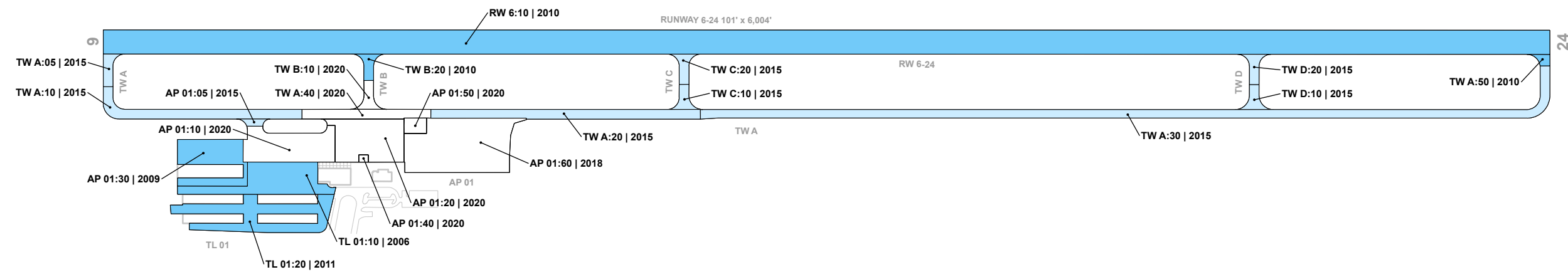
Construction Year	Location	Work Type / Pavement Section
2018	AP 01	New Construction - AC 4" P-401, 8" P-209, 12" P-155, P-152
2020	AP 01	Mill and Overlay 2" P-401 Mill and Overlay Variable 5" P-401 Surface Seal - Rejuvenating P-408
2020	AP 01	New Construction - AC 8" P-501, 6" P-209, P-152
2020	TW A	Mill and Overlay 5" P-401
2020	TW B	Mill and Overlay 2" P-401
2021	AP 01	New Construction PCC 8" P-501
2021	AP 01	AC Overlay 4" P-401

The following figure summarizes the inventory items at Lancaster County Airport – McWhirter Field (LKR). The **Estimated Age Exhibit** provides the last major work date for each pavement section based on the collected documentation.

LKR - Lancaster County Airport - McWhirter Field

Figure 2 – System Inventory Summary





Legend

Estimated Age at Inspection

- 0-5 Years
- 6-10 Years
- 11-15 Years
- 16-20 Years
- > 20 Years

┌── BRANCH IDENTIFIER
└── SECTION IDENTIFIER

TWA:20 | 1985

└── LAST MAJOR WORK DATE



Functional Evaluation

Pavement Condition Index

A Pavement Condition Index (PCI) survey is the primary means of obtaining and recording pavement distress data. In adherence to FAA Advisory Circular 150/5380-7B, the SCAC Airfield Pavement Management System (APMS) Update utilizes the PCI survey methodology to collect pavement distress data and analyze the condition. This method uses a visual statistical sampling of pavements for recording primary distress types, associated severities, and quantities as defined by the ASTM D5340-20.

Visual condition data collected during the PCI survey is analyzed and used to calculate the current PCI for each inspected sample unit and section. The PCI is a value ranging from 0 to 100, which indicates the apparent structural integrity and surface operational condition of the pavement, with **“100” indicating a pavement in new condition and “0” indicating a failed pavement section**. Pavement Condition Ratings are associated with PCI categories that range from Failed to Good. Representative photos of varying Pavement Condition Ratings are displayed in **Figure 3**.

Figure 3 – Representation of Pavement Condition Index Values



Poor/Failed Pavement

Pavements that are Poor to Failed require significant and costly interventions such as reconstruction to restore the pavement to operational service.



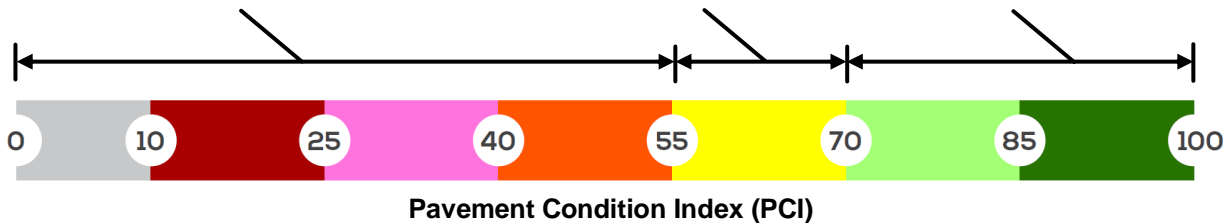
Fair Pavement

Pavements with a Fair condition rating typically require rehabilitation, or maintenance activities if rehabilitation cannot be immediately performed.



Good/New Pavement

Pavements classified as Good require either no treatment or would benefit from the application of preventive maintenance activities such as crack sealing.



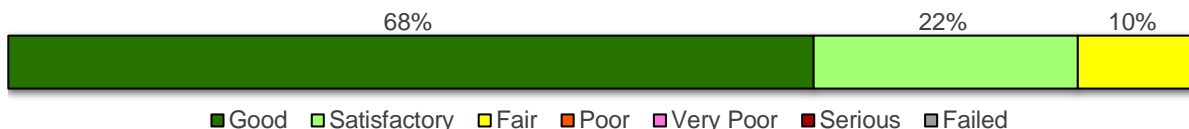
Critical PCI

From a pavement management perspective, one of the most valuable aspects of the PCI methodology is the ability to save money by effectively prioritizing the rehabilitation of pavement assets. Critical PCI refers to the condition beyond which the rate of pavement deterioration and the cost of applying a treatment increases significantly. In other words, it is the condition at which maintenance may no longer be cost effective and major rehabilitation should be considered. Based on the 2019 FAA Order 5100.38D Change 1 Airport Improvement Program Handbook, the FAA has established recommended PCI thresholds for pavement M&R. Accordingly, **the Critical PCI for all SCAC airfield pavements is defined at 70.**

PCI Results Summary

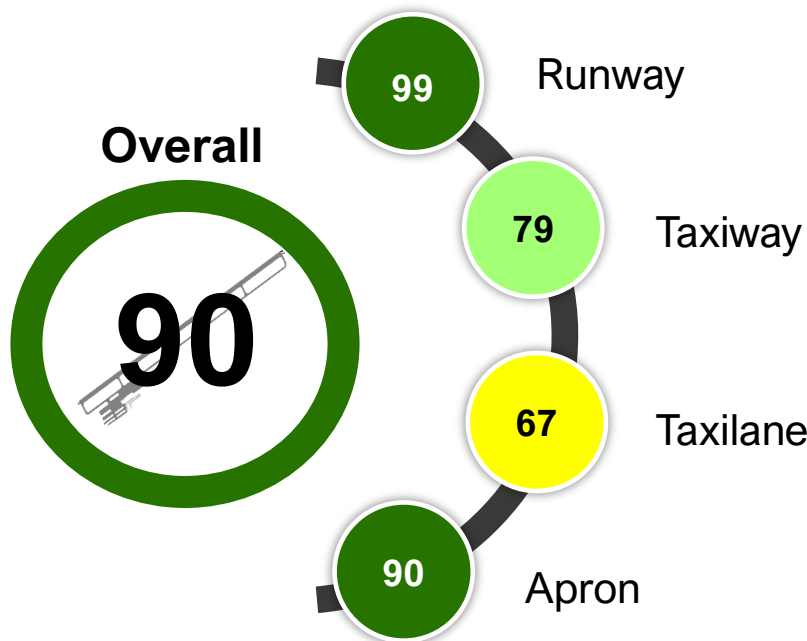
The PCI survey for Lancaster County Airport – McWhirter Field (LKR) was performed in September 2021. **The overall area-weighted average PCI value of the network was 90**, representing a condition rating of **Good**. Approximately 90% of inspected pavements are in Good or Satisfactory condition and the remaining 10% of inspected pavements are in Fair condition as summarized in **Figure 4**.

Figure 4 – Overall Network PCI Results



The area-weighted average PCIs by branch use are summarized in the figure below. The current PCIs at a section-level are displayed graphically on the **2021 Airfield Pavement Condition Index (PCI) Exhibit** and are summarized in **Table 2**.

Figure 5 – Area Weighted Average Pavement Condition





STATEWIDE AIRFIELD PAVEMENT MANAGEMENT SYSTEM UPDATE

LKR - Lancaster County Airport - McWhirter Field

Table 2 – Current Pavement Condition Index Summary - Section

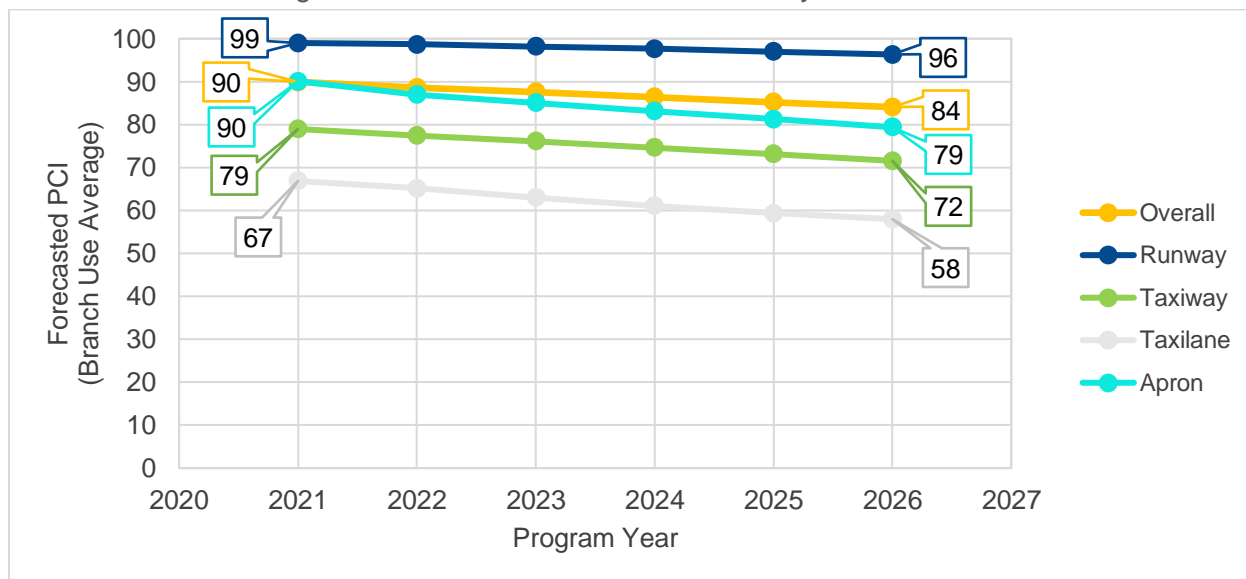
Network ID	Branch ID	Branch Use	Section ID	Area (SF)	Surface	PCI	Condition Rating	PCI % Climate	PCI % Load	PCI % Other
LKR	AP 01	Apron	05	2,535	AAC	74	Satisfactory	100	0	0
LKR	AP 01	Apron	10	48,604	AAC	100	Good	0	0	0
LKR	AP 01	Apron	20	51,020	AAC	100	Good	0	0	0
LKR	AP 01	Apron	30	39,271	AC	62	Fair	100	0	0
LKR	AP 01	Apron	40	1,200	AC	100	Good	0	0	0
LKR	AP 01	Apron	50	5,975	AAC	100	Good	0	0	0
LKR	AP 01	Apron	60	95,022	AC	91	Good	100	0	0
LKR	RW 6	Runway	10	600,400	PCC	99	Good	52	0	48
LKR	TL 01	Taxilane	10	51,680	AC	71	Satisfactory	99	0	1
LKR	TL 01	Taxilane	20	55,468	AC	63	Fair	100	0	0
LKR	TW A	Taxiway	05	5,980	AAC	70	Fair	100	0	0
LKR	TW A	Taxiway	10	36,354	AAC	74	Satisfactory	100	0	0
LKR	TW A	Taxiway	20	43,143	AAC	75	Satisfactory	100	0	0
LKR	TW A	Taxiway	30	129,646	AAC	80	Satisfactory	96	0	4
LKR	TW A	Taxiway	40	20,961	AAC	100	Good	0	0	0
LKR	TW A	Taxiway	50	2,567	AAC	74	Satisfactory	100	0	0
LKR	TW B	Taxiway	10	6,159	AAC	100	Good	0	0	0
LKR	TW B	Taxiway	20	5,473	AAC	70	Fair	65	0	35
LKR	TW C	Taxiway	10	5,406	AAC	69	Fair	100	0	0
LKR	TW C	Taxiway	20	6,113	AAC	67	Fair	100	0	0
LKR	TW D	Taxiway	10	5,705	AAC	66	Fair	100	0	0
LKR	TW D	Taxiway	20	6,113	AAC	73	Satisfactory	100	0	0

*For further PCI details and photos see Appendix D – Detailed PCI Results.

Pavement Condition Forecast

A primary objective of this APMS is to estimate the future condition of each individual pavement section. PAVER™ was utilized to develop prediction curves and determine typical deterioration rates that are then used to forecast a future PCI. This value will assist decision makers in determining at what point in time certain pavement sections will require rehabilitation. The figure below shows the current and 5-year area-weighted forecasted pavement condition distribution of each functional use (Runway, Taxiway, Taxilane, Apron) found at the Airport. The forecasted 5-year PCIs at a section-level are displayed graphically on the **2026 Forecasted Airfield Pavement Condition Index Exhibit** and are summarized in **Table 3**. All forecasts presented assume that no maintenance or rehabilitation is performed within the 5-year analysis period. **Figure 6** displays the forecasted pavement conditions at the branch-level for LKR.

Figure 6 – Forecasted 5-Year PCI by Branch Use



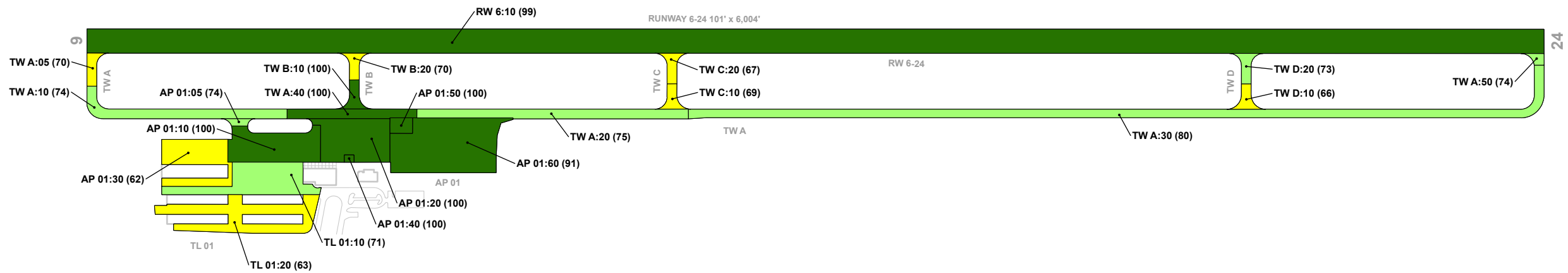
All condition forecasts are based on historical observations and analysis of South Carolina airfield pavements. The forecasts are not a guarantee of future PCI:- rather, they are a planning tool to aid in the timing of maintenance and rehabilitation activities.



LKR - Lancaster County Airport - McWhirter Field

Table 3 – Forecasted (2022-2026) Pavement Condition Index Summary - Section

Network ID	Branch ID	Section ID	Current PCI	Forecasted PCI				
				2022	2023	2024	2025	2026
LKR	AP 01	05	74	73	71	70	69	68
LKR	AP 01	10	100	95	92	90	88	86
LKR	AP 01	20	100	95	92	90	88	86
LKR	AP 01	30	62	62	61	61	60	60
LKR	AP 01	40	100	95	92	90	88	86
LKR	AP 01	50	100	95	92	90	88	86
LKR	AP 01	60	91	89	87	85	83	81
LKR	RW 6	10	99	99	98	98	97	96
LKR	TL 01	10	71	69	67	65	62	60
LKR	TL 01	20	63	61	59	58	57	56
LKR	TW A	05	70	68	66	64	61	59
LKR	TW A	10	74	73	70	68	66	63
LKR	TW A	20	75	74	72	69	67	65
LKR	TW A	30	80	80	79	79	78	77
LKR	TW A	40	100	93	90	87	85	83
LKR	TW A	50	74	73	70	68	66	63
LKR	TW B	10	100	93	90	87	85	83
LKR	TW B	20	70	68	66	64	61	59
LKR	TW C	10	69	67	65	63	60	59
LKR	TW C	20	67	65	63	61	59	58
LKR	TW D	10	66	64	62	60	58	57
LKR	TW D	20	73	71	69	67	64	62



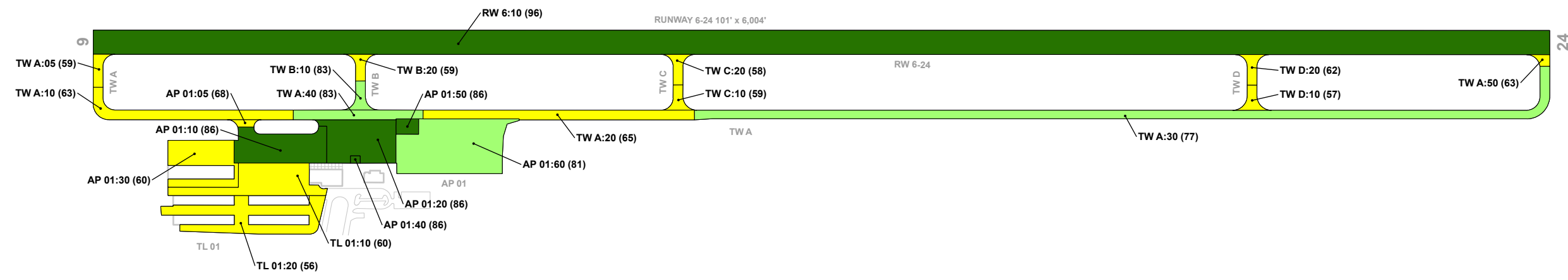
Legend

2021 Pavement Condition Index

- PCI 86-100 Good
- PCI 71-85 Satisfactory
- PCI 56-70 Fair
- PCI 41-55 Poor
- PCI 26-40 Very Poor
- PCI 11-25 Serious
- PCI 0-10 Failed

— BRANCH IDENTIFIER
 — SECTION IDENTIFIER
TWA:20 (84)
 — PCI





Legend

2026 Forecasted Pavement Condition Index

- PCI 86-100 Good
- PCI 71-85 Satisfactory
- PCI 56-70 Fair
- PCI 41-55 Poor
- PCI 26-40 Very Poor
- PCI 11-25 Serious
- PCI 0-10 Failed

— BRANCH IDENTIFIER
 — SECTION IDENTIFIER
TWA:20 (84)
 — FORECASTED PCI



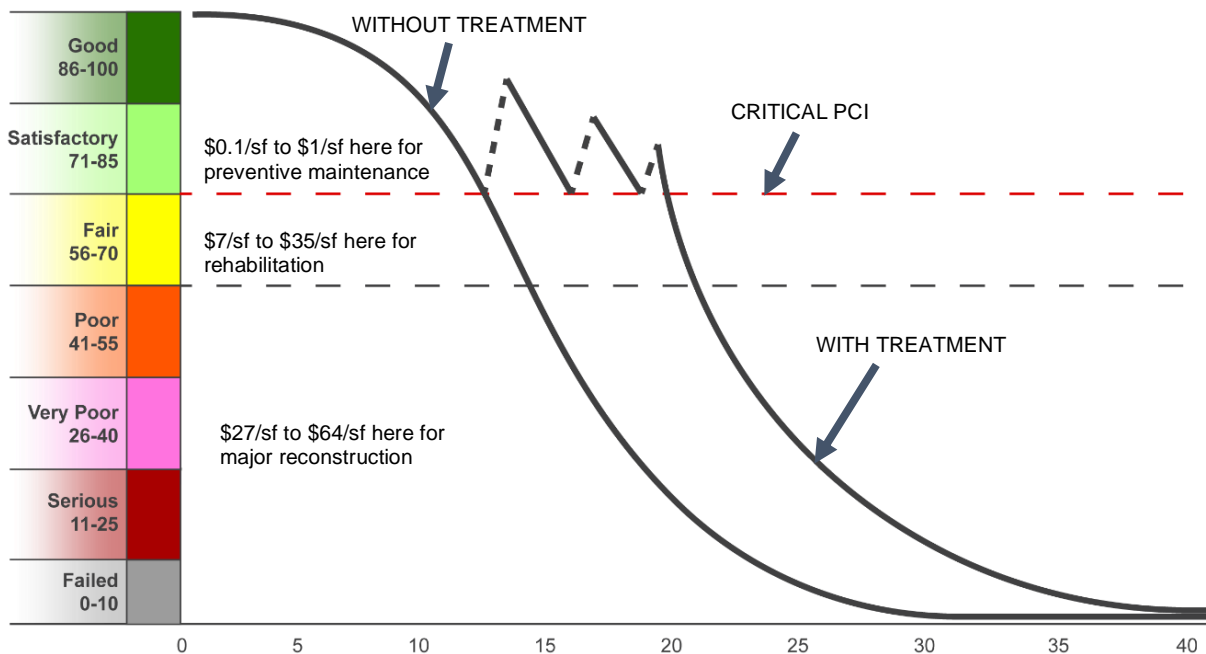
M&R Overview

An analysis was performed to assess the pavement maintenance and rehabilitation (M&R) needs at LKR over a 5-year period. The analysis compared the forecasted condition of each pavement section to Critical PCI threshold to develop a resultant recommendation and associated cost for each year of the 5-year plan. The M&R analysis should enable responsible parties to do the following:

- ➔ **Maintain** existing airport infrastructure at an acceptable condition
- ➔ Make timely and cost-effective **decisions** to appropriately allocate funding
- ➔ **Apply** global maintenance, localized maintenance, and major M&R activities in a timely manner to maintain an acceptable operational condition of a pavement network.

M&R planning considers various methods of repair to address the cause of the problem rather than just treating the symptom. As pavements deteriorate, repair costs can increase significantly. Once pavements have deteriorated below a certain condition threshold (the Critical PCI value), the pavement benefits more from substantial rehabilitation in lieu of maintenance activities. The figure below illustrates how the cost of pavement repairs can exponentially increase if M&R activities are delayed.

Figure 7 – Pavement Life and the Effect of Treatments



Localized Maintenance and Repair

Localized maintenance is best used as a preservation measure and is applied to slow the rate of deterioration. These activities typically include crack sealing and patching. Localized maintenance differs from major rehabilitation in that it is applied based on the distresses observed rather than based on a PCI value. Treatments are selected based on the appropriate corrective measure for a given distress type and severity level. Localized maintenance applied on pavements with PCIs above the Critical PCI of 70 is known as Preventive Localized Maintenance, while Stopgap Localized Maintenance is typically applied to pavement sections that are at or below the Critical PCI value as a temporary repair due to safety concerns. The current localized maintenance needs are summarized in the table below.

Table 4 – Localized Maintenance Summary by Policy Type

Localized Maintenance Category	Localized Work Type	Rough Estimate of Work Quantity	Work Units	Planning Material Cost
Localized Preventive Maintenance	AC Crack Sealing Narrow	18,446	LF	\$ 73,830
	Surface Seal	8,032	SF	\$ 7,250
	PCC Partial-Depth Patching	31	SF	\$ 2,840
<i>Localized Preventive Maintenance Total =</i>				\$ 83,920
Localized Stopgap Maintenance	AC Crack Sealing Narrow	3,117	LF	\$ 12,480
	AC Crack Sealing Wide	68	LF	\$ 860
	Surface Seal	4	SF	\$ 10
<i>Localized Stopgap Maintenance Total =</i>				\$ 13,350
<i>Total Planning-Level Localized Maintenance Needs =</i>				\$ 97,270

Major Rehabilitation Needs

Major rehabilitation needs are identified by analyzing the Airport’s pavement condition in relationship to Critical PCI values, density of load-related distresses, and major rehabilitation policies, assuming there are no budget constraints. The needs analysis is performed over a 5-year analysis period. Major rehabilitation resets the PCI value to 100 and is divided into two policy categories:

- **Intermediate Major Rehabilitation (PCI 56 to 70)** –
 - **AC:** Milling of the upper surface course and replacing with new AC with isolated areas of full-depth reconstruction
 - **PCC:** Combination of crack sealing, joint seal replacement, limited patching, and slab replacement
- **Full-Depth Reconstruction (PCI 0 to 55)** – Removal and replacement of the existing pavement section down to the subgrade

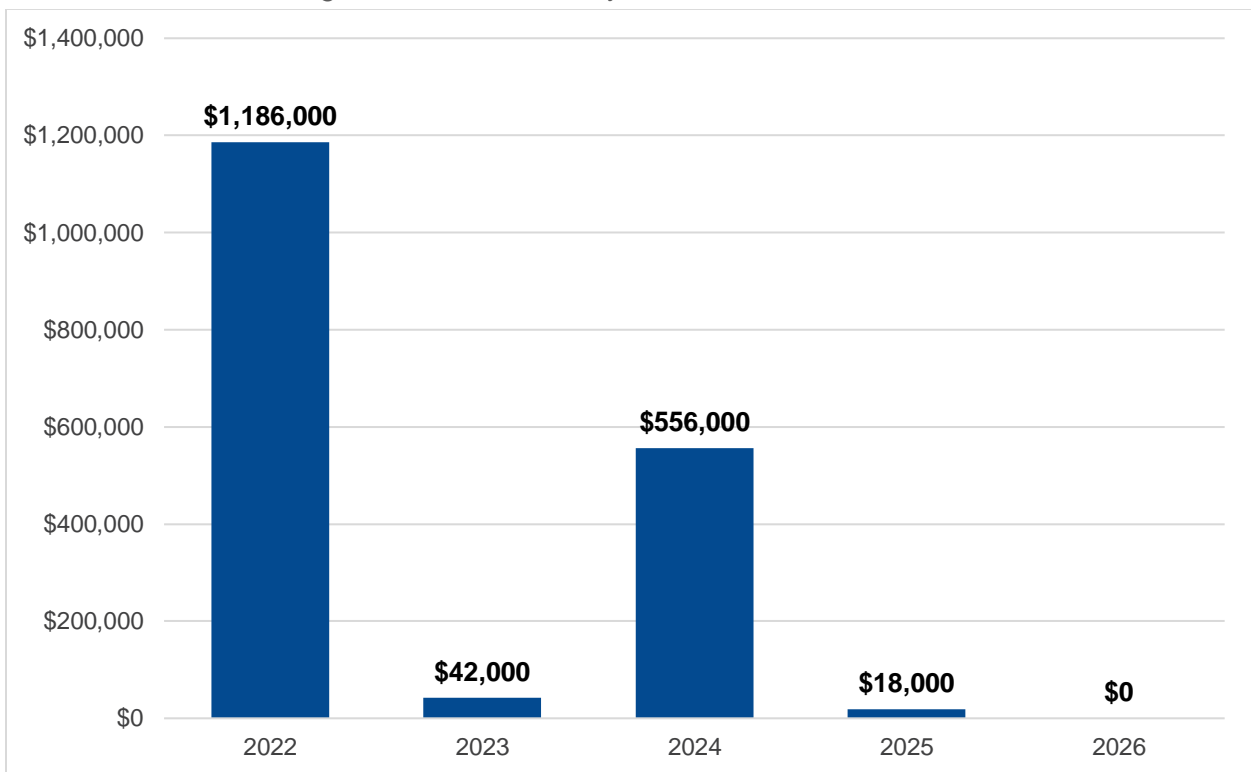
The 5-year major rehabilitation needs analysis at LKR results in a total 5-year cost of \$1.80M. The **5-Year Major Rehabilitation Needs Exhibit** graphically depicts the major rehabilitation needs at a section-level which are also summarized in **Table 5** with rounded costs. Annual needs are displayed graphically in **Figure 8**.

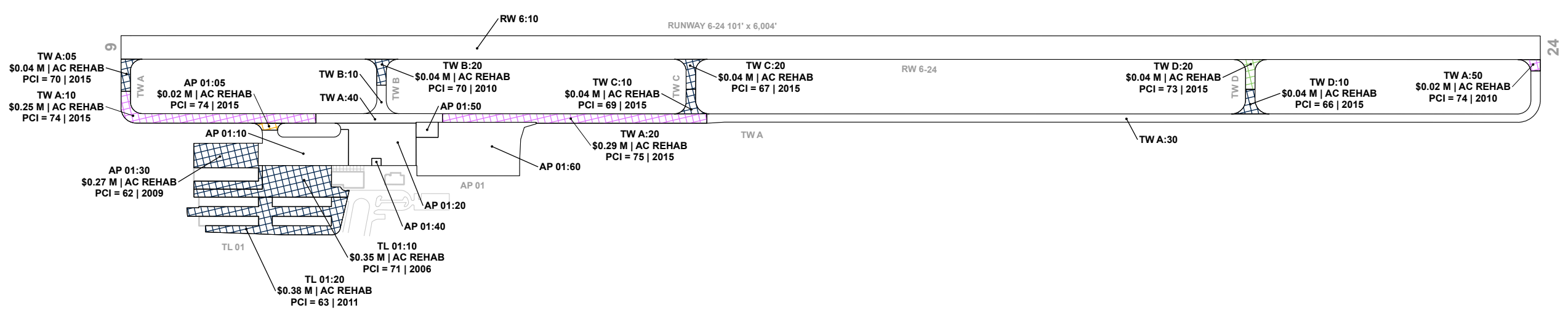
LKR - Lancaster County Airport - McWhirter Field

Table 5 – 5-Year Major Rehabilitation Needs

Program Year	Network ID	Branch ID	Section ID	Surface	Area (SF)	PCI Before	Rehabilitation Type	Planning Cost Estimate
2022	LKR	AP 01	30	AC	39,271	62	AC Rehabilitation	\$ 266,000
2022	LKR	TL 01	10	AC	51,680	69	AC Rehabilitation	\$ 349,000
2022	LKR	TL 01	20	AC	55,468	61	AC Rehabilitation	\$ 375,000
2022	LKR	TW A	5	AAC	5,980	68	AC Rehabilitation	\$ 41,000
2022	LKR	TW B	20	AAC	5,473	68	AC Rehabilitation	\$ 37,000
2022	LKR	TW C	10	AAC	5,406	67	AC Rehabilitation	\$ 37,000
2022	LKR	TW C	20	AAC	6,113	65	AC Rehabilitation	\$ 42,000
2022	LKR	TW D	10	AAC	5,705	64	AC Rehabilitation	\$ 39,000
2023	LKR	TW D	20	AAC	6,113	69	AC Rehabilitation	\$ 42,000
2024	LKR	TW A	10	AAC	36,354	68	AC Rehabilitation	\$ 246,000
2024	LKR	TW A	20	AAC	43,143	69	AC Rehabilitation	\$ 292,000
2024	LKR	TW A	50	AAC	2,567	68	AC Rehabilitation	\$ 18,000
2025	LKR	AP 01	5	AAC	2,535	69	AC Rehabilitation	\$ 18,000
Total 5-Year Major Rehabilitation Needs =								\$ 1,802,000

Figure 8 – 5-Year Major Rehabilitation Needs





Legend

5-Year Major Rehabilitation Needs

- Year 1 Reconstruction Needs
- Year 1 Rehabilitation Needs
- Year 2 Rehabilitation Needs
- Year 3 Rehabilitation Needs
- Year 4 Rehabilitation Needs
- Year 5 Rehabilitation Needs

Label Legend:

M&R COST
 BRANCH IDENTIFIER
 SECTION IDENTIFIER
 M&R WORK TYPE
TWA:20
\$9.38 M | AC RECON
PCI = 52 | 1987
 PCI LAST MAJOR WORK DATE

THIS EXHIBIT REPRESENTS NEEDS SOLEY BASED ON CURRENT AND FORECASTED CONDITIONS FURTHER PRIORITIZATION AND CONSIDERATIONS SHOULD BE MADE BEYOND THIS STUDY.



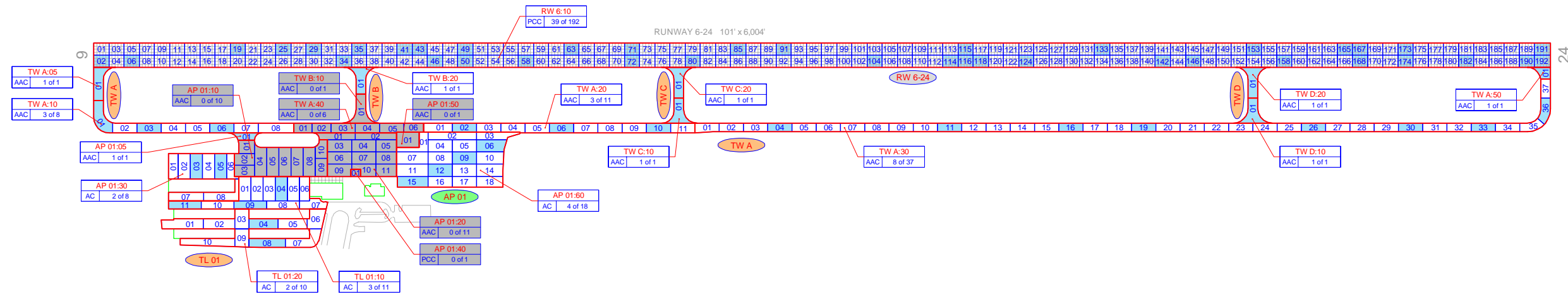
SECTION I

Appendices





Appendix A – Exhibits



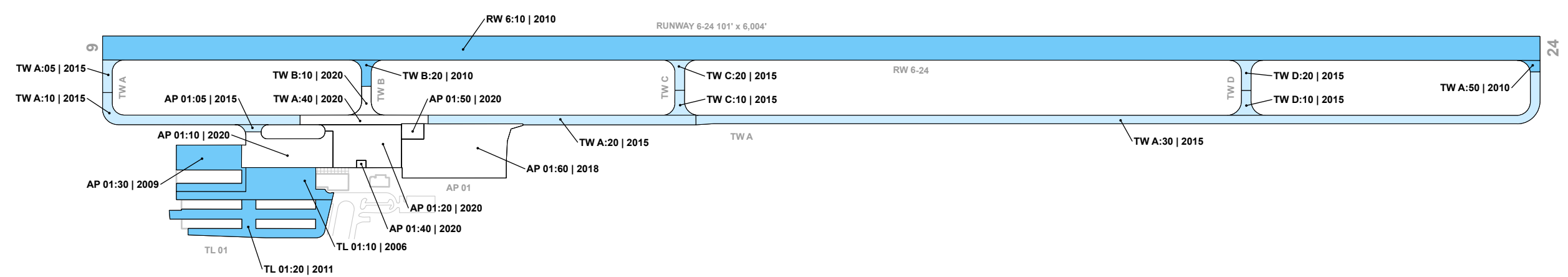
LEGEND

- RW 13-31 — TYPICAL RUNWAY BRANCH ID
- TW A — TYPICAL TAXIWAY BRANCH ID
- AP S — TYPICAL APRON BRANCH ID
- RW 13-10 — PAVEMENT BRANCH ID: SECTION ID
AAC 5 of 15 — NUMBER OF SAMPLE UNITS IN SECTION
AAC — NUMBER OF SAMPLE UNITS TO BE INSPECTED
AAC — PAVEMENT SURFACE TYPE
- RW 13-20 — SECTION NOT INSPECTED DUE TO RECENT CONSTRUCTION. SEE ESTIMATED AGE EXHIBIT FOR CONSTRUCTION DATES.
- AAC 0 of 5 —
- 100 — INSPECTED SAMPLE UNITS.

TOTAL SAMPLES INSPECTED = 72
AC: 33 PCC: 39

RUNWAY LENGTHS DEPICTED IN THIS DRAWING ARE FOR PAVEMENT MANAGEMENT PURPOSES ONLY AND MAY NOT MATCH PUBLISHED RUNWAY LENGTHS. DRAWING NOT TO SCALE.

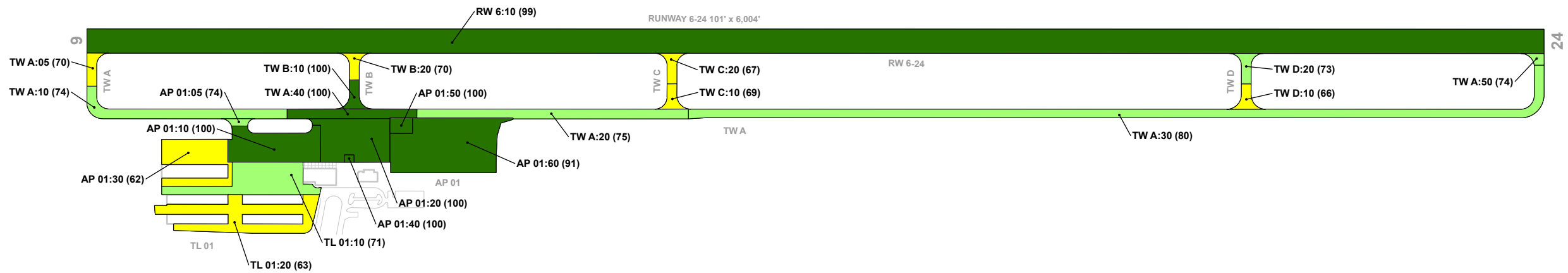




Legend

- Estimated Age at Inspection**
- 0-5 Years
 - 6-10 Years
 - 11-15 Years
 - 16-20 Years
 - > 20 Years
- BRANCH IDENTIFIER
 SECTION IDENTIFIER
TWA:20 | 1985
 LAST MAJOR WORK DATE





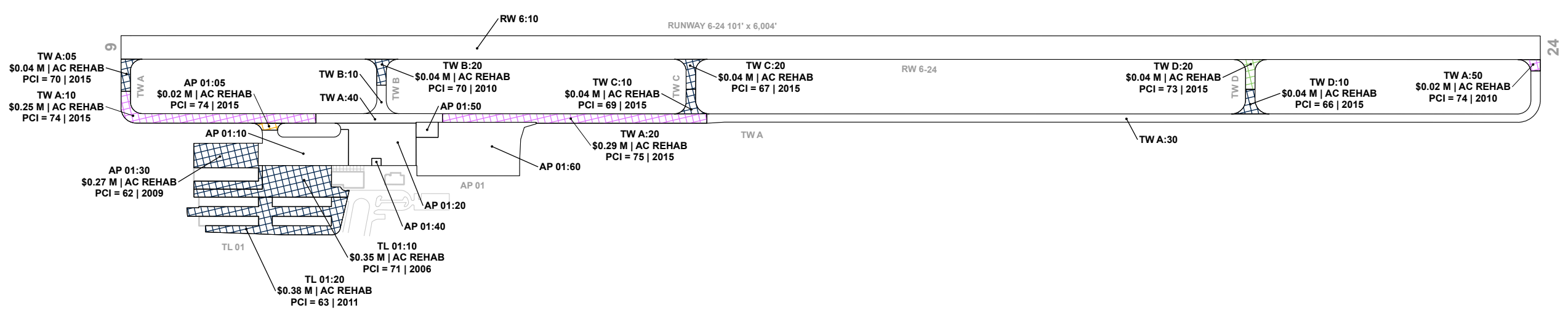
Legend

2021 Pavement Condition Index

- PCI 86-100 Good
- PCI 71-85 Satisfactory
- PCI 56-70 Fair
- PCI 41-55 Poor
- PCI 26-40 Very Poor
- PCI 11-25 Serious
- PCI 0-10 Failed

— BRANCH IDENTIFIER
 — SECTION IDENTIFIER
TWA:20 (84)
 — PCI





Legend

5-Year Major Rehabilitation Needs

- Year 1 Reconstruction Needs
- Year 1 Rehabilitation Needs
- Year 2 Rehabilitation Needs
- Year 3 Rehabilitation Needs
- Year 4 Rehabilitation Needs
- Year 5 Rehabilitation Needs

Legend for Section Labels:

M&R COST
 BRANCH IDENTIFIER
 SECTION IDENTIFIER
 M&R WORK TYPE

TWA:20
 \$9.38 M | AC RECON
 PCI = 52 | 1987

PCI LAST MAJOR WORK DATE

THIS EXHIBIT REPRESENTS NEEDS SOLEY BASED ON CURRENT AND FORECASTED CONDITIONS FURTHER PRIORITIZATION AND CONSIDERATIONS SHOULD BE MADE BEYOND THIS STUDY.





Appendix B – Analysis Tables



STATEWIDE AIRFIELD PAVEMENT MANAGEMENT SYSTEM UPDATE

LKR - Lancaster County Airport - McWhirter Field

Table B1 – System Inventory Data - Section

Network ID	Branch ID	Branch Use	Section ID	Area (SF)	Surface Type	Estimate of Last Construction Date
LKR	AP 01	Apron	05	2,535	AAC	1/1/2015
LKR	AP 01	Apron	10	48,604	AAC	1/1/2020
LKR	AP 01	Apron	20	51,020	AAC	1/1/2020
LKR	AP 01	Apron	30	39,271	AC	1/1/2009
LKR	AP 01	Apron	40	1,200	AC	1/1/2020
LKR	AP 01	Apron	50	5,975	AAC	1/1/2020
LKR	AP 01	Apron	60	95,022	AC	7/1/2018
LKR	RW 6	Runway	10	600,400	PCC	1/1/2010
LKR	TL 01	Taxilane	10	51,680	AC	12/1/2006
LKR	TL 01	Taxilane	20	55,468	AC	1/1/2011
LKR	TW A	Taxiway	05	5,980	AAC	1/1/2015
LKR	TW A	Taxiway	10	36,354	AAC	1/1/2015
LKR	TW A	Taxiway	20	43,143	AAC	1/1/2015
LKR	TW A	Taxiway	30	129,646	AAC	1/1/2015
LKR	TW A	Taxiway	40	20,961	AAC	1/1/2020
LKR	TW A	Taxiway	50	2,567	AAC	1/1/2010
LKR	TW B	Taxiway	10	6,159	AAC	1/1/2020
LKR	TW B	Taxiway	20	5,473	AAC	1/1/2010
LKR	TW C	Taxiway	10	5,406	AAC	1/1/2015
LKR	TW C	Taxiway	20	6,113	AAC	1/1/2015
LKR	TW D	Taxiway	10	5,705	AAC	1/1/2015
LKR	TW D	Taxiway	20	6,113	AAC	1/1/2015

Table B2 – Current Pavement Condition Index Summary - Branch

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Area-Weighted Avg PCI	Condition Rating
AP 01	Apron	7	243,627	90	Good
RW 6	Runway	1	600,400	99	Good
TL 01	Taxilane	2	107,148	67	Fair
TW A	Taxiway	6	238,651	80	Satisfactory
TW B	Taxiway	2	11,632	86	Good
TW C	Taxiway	2	11,519	68	Fair
TW D	Taxiway	2	11,818	70	Fair



STATEWIDE AIRFIELD PAVEMENT MANAGEMENT SYSTEM UPDATE

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Table B3 – Current (2021) Pavement Condition Index Summary - Section

Network ID	Branch ID	Branch Use	Section ID	Area (SF)	Surface	PCI	Condition Rating	PCI % Climate	PCI % Load	PCI % Other	Sample Units Inspected	Total Sample Units in Section
LKR	AP 01	Apron	05	2,535	AAC	74	Satisfactory	100	0	0	1	1
LKR	AP 01	Apron	10	48,604	AAC	100	Good	0	0	0	0	0
LKR	AP 01	Apron	20	51,020	AAC	100	Good	0	0	0	0	0
LKR	AP 01	Apron	30	39,271	AC	62	Fair	100	0	0	2	8
LKR	AP 01	Apron	40	1,200	AC	100	Good	0	0	0	0	0
LKR	AP 01	Apron	50	5,975	AAC	100	Good	0	0	0	0	0
LKR	AP 01	Apron	60	95,022	AC	91	Good	100	0	0	4	18
LKR	RW 6	Runway	10	600,400	PCC	99	Good	52	0	48	39	192
LKR	TL 01	Taxilane	10	51,680	AC	71	Satisfactory	99	0	1	3	11
LKR	TL 01	Taxilane	20	55,468	AC	63	Fair	100	0	0	2	10
LKR	TW A	Taxiway	05	5,980	AAC	70	Fair	100	0	0	1	1
LKR	TW A	Taxiway	10	36,354	AAC	74	Satisfactory	100	0	0	3	8
LKR	TW A	Taxiway	20	43,143	AAC	75	Satisfactory	100	0	0	3	11
LKR	TW A	Taxiway	30	129,646	AAC	80	Satisfactory	96	0	4	8	37
LKR	TW A	Taxiway	40	20,961	AAC	100	Good	0	0	0	0	0
LKR	TW A	Taxiway	50	2,567	AAC	74	Satisfactory	100	0	0	1	1
LKR	TW B	Taxiway	10	6,159	AAC	100	Good	0	0	0	0	0
LKR	TW B	Taxiway	20	5,473	AAC	70	Fair	65	0	35	1	1
LKR	TW C	Taxiway	10	5,406	AAC	69	Fair	100	0	0	1	1
LKR	TW C	Taxiway	20	6,113	AAC	67	Fair	100	0	0	1	1
LKR	TW D	Taxiway	10	5,705	AAC	66	Fair	100	0	0	1	1
LKR	TW D	Taxiway	20	6,113	AAC	73	Satisfactory	100	0	0	1	1



LKR - Lancaster County Airport - McWhirter Field

Table B4 –Forecasted (2022-2026) Pavement Condition Index Summary - Section

Network ID	Branch ID	Section ID	Current PCI	Forecasted PCI				
				2022	2023	2024	2025	2026
LKR	AP 01	05	74	73	71	70	69	68
LKR	AP 01	10	100	95	92	90	88	86
LKR	AP 01	20	100	95	92	90	88	86
LKR	AP 01	30	62	62	61	61	60	60
LKR	AP 01	40	100	95	92	90	88	86
LKR	AP 01	50	100	95	92	90	88	86
LKR	AP 01	60	91	89	87	85	83	81
LKR	RW 6	10	99	99	98	98	97	96
LKR	TL 01	10	71	69	67	65	62	60
LKR	TL 01	20	63	61	59	58	57	56
LKR	TW A	05	70	68	66	64	61	59
LKR	TW A	10	74	73	70	68	66	63
LKR	TW A	20	75	74	72	69	67	65
LKR	TW A	30	80	80	79	79	78	77
LKR	TW A	40	100	93	90	87	85	83
LKR	TW A	50	74	73	70	68	66	63
LKR	TW B	10	100	93	90	87	85	83
LKR	TW B	20	70	68	66	64	61	59
LKR	TW C	10	69	67	65	63	60	59
LKR	TW C	20	67	65	63	61	59	58
LKR	TW D	10	66	64	62	60	58	57
LKR	TW D	20	73	71	69	67	64	62



Appendix C – Maintenance and Rehabilitation Tables



STATEWIDE AIRFIELD PAVEMENT MANAGEMENT SYSTEM UPDATE

LKR - Lancaster County Airport - McWhirter Field

Table C1 – Localized Maintenance Summary by Policy Type

Localized Maintenance Category	Localized Work Type	Rough Estimate of Work Quantity	Work Units	Planning Material Cost
Localized Preventive Maintenance	AC Crack Sealing Narrow	18,446	LF	\$ 73,830
	Surface Seal	8,032	SF	\$ 7,250
	PCC Partial-Depth Patching	31	SF	\$ 2,840
Localized Preventive Maintenance Total =				\$ 83,920
Localized Stopgap Maintenance	AC Crack Sealing Narrow	3,117	LF	\$ 12,480
	AC Crack Sealing Wide	68	LF	\$ 860
	Surface Seal	4	SF	\$ 10
Localized Stopgap Maintenance Total =				\$ 13,350
Total Planning-Level Localized Maintenance Needs =				\$ 97,270

Table C2 – Section – Level Year 1 Localized Maintenance Planning Cost Summary

Network ID	Branch ID	Section ID	Area (SF)	Start PCI	End PCI	Cost
LKR	AP 01	05	2,535	74	74	\$ -
LKR	AP 01	10	48,604	100	100	\$ -
LKR	AP 01	20	51,020	100	100	\$ -
LKR	AP 01	30	39,271	62	70	\$ 7,010
LKR	AP 01	40	1,200	100	100	\$ -
LKR	AP 01	50	5,975	100	100	\$ -
LKR	AP 01	60	95,022	91	91	\$ 3,420
LKR	RW 6	10	600,400	99	99	\$ 2,840
LKR	TL 01	10	51,680	71	78	\$ 19,140
LKR	TL 01	20	55,468	63	68	\$ 6,080
LKR	TW A	05	5,980	70	70	\$ -
LKR	TW A	10	36,354	74	74	\$ 12,190
LKR	TW A	20	43,143	75	75	\$ 14,050
LKR	TW A	30	129,646	80	80	\$ 28,490
LKR	TW A	40	20,961	100	100	\$ -
LKR	TW A	50	2,567	74	79	\$ 690
LKR	TW B	10	6,159	100	100	\$ -
LKR	TW B	20	5,473	70	70	\$ -
LKR	TW C	10	5,406	69	69	\$ -
LKR	TW C	20	6,113	67	71	\$ 110
LKR	TW D	10	5,705	66	70	\$ 140
LKR	TW D	20	6,113	73	73	\$ 2,300



STATEWIDE AIRFIELD PAVEMENT MANAGEMENT SYSTEM UPDATE

LKR - Lancaster County Airport - McWhirter Field

Table C3 – Localized Maintenance and Repair Needs Based on Current Distresses

Network ID	Branch ID	Section ID	Description	Severity	Distress Qty	Distress Unit	Distress Density	Policy Type	Localized Work Type	Work Qty	Work Unit	Unit Cost	Work Cost
LKR	AP 01	05	L & T CR	Low	181	LF	7.1%	Preventive	AC Crack Sealing Narrow	181	LF	\$ 4.00	\$ 730
LKR	AP 01	05	WEATHERING	Medium	51	SF	2.0%	Preventive	Surface Seal	51	SF	\$ 0.90	\$ 50
LKR	AP 01	60	L & T CR	Low	854	LF	0.9%	Preventive	AC Crack Sealing Narrow	854	LF	\$ 4.00	\$ 3,420
LKR	RW 6	10	JOINT SPALL	Medium	5	Slabs	0.1%	Preventive	PCC Partial-Depth Patching	31	SF	\$ 90.00	\$ 2,840
LKR	TL 01	10	L & T CR	Low	2,967	LF	5.7%	Preventive	AC Crack Sealing Narrow	2,967	LF	\$ 4.00	\$ 11,870
LKR	TL 01	10	L & T CR	Medium	51	LF	0.1%	Preventive	AC Crack Sealing Narrow	51	LF	\$ 4.00	\$ 210
LKR	TL 01	10	PATCHING	Low	77	SF	0.2%	Preventive	Surface Seal	116	SF	\$ 0.90	\$ 110
LKR	TL 01	10	RAVELING	Low	7,737	SF	15.0%	Preventive	Surface Seal	7,737	SF	\$ 0.90	\$ 6,970
LKR	TW A	10	L & T CR	Low	3,046	LF	8.4%	Preventive	AC Crack Sealing Narrow	3,046	LF	\$ 4.00	\$ 12,190
LKR	TW A	20	L & T CR	Low	3,511	LF	8.1%	Preventive	AC Crack Sealing Narrow	3,511	LF	\$ 4.00	\$ 14,050
LKR	TW A	30	L & T CR	Low	7,122	LF	5.5%	Preventive	AC Crack Sealing Narrow	7,122	LF	\$ 4.00	\$ 28,490
LKR	TW A	50	L & T CR	Low	142	LF	5.5%	Preventive	AC Crack Sealing Narrow	142	LF	\$ 4.00	\$ 570
LKR	TW A	50	RAVELING	Low	128	SF	5.0%	Preventive	Surface Seal	128	SF	\$ 0.90	\$ 120
LKR	TW D	20	L & T CR	Low	573	LF	9.4%	Preventive	AC Crack Sealing Narrow	573	LF	\$ 4.00	\$ 2,300
LKR	AP 01	30	L & T CR	Medium	1,752	LF	4.5%	Stopgap	AC Crack Sealing Narrow	1,752	LF	\$ 4.00	\$ 7,010
LKR	TL 01	20	L & T CR	Medium	1,306	LF	2.4%	Stopgap	AC Crack Sealing Narrow	1,306	LF	\$ 4.00	\$ 5,230
LKR	TL 01	20	L & T CR	High	68	LF	0.1%	Stopgap	AC Crack Sealing Wide	68	LF	\$ 12.50	\$ 860
LKR	TW C	20	L & T CR	Medium	25	LF	0.4%	Stopgap	AC Crack Sealing Narrow	25	LF	\$ 4.00	\$ 100
LKR	TW C	20	RAVELING	Medium	4	SF	0.1%	Stopgap	Surface Seal	4	SF	\$ 0.90	\$ 10
LKR	TW D	10	L & T CR	Medium	34	LF	0.6%	Stopgap	AC Crack Sealing Narrow	34	LF	\$ 4.00	\$ 140



STATEWIDE AIRFIELD PAVEMENT MANAGEMENT SYSTEM UPDATE

LKR - Lancaster County Airport - McWhirter Field

Table C4 – 5-Year Major Rehabilitation Needs

Program Year	Network ID	Branch ID	Section ID	Surface	Area (SF)	PCI Before	Rehabilitation Type	Planning Cost Estimate
2022	LKR	AP 01	30	AC	39,271	62	AC Rehabilitation	\$ 266,000
2022	LKR	TL 01	10	AC	51,680	69	AC Rehabilitation	\$ 349,000
2022	LKR	TL 01	20	AC	55,468	61	AC Rehabilitation	\$ 375,000
2022	LKR	TW A	5	AAC	5,980	68	AC Rehabilitation	\$ 41,000
2022	LKR	TW B	20	AAC	5,473	68	AC Rehabilitation	\$ 37,000
2022	LKR	TW C	10	AAC	5,406	67	AC Rehabilitation	\$ 37,000
2022	LKR	TW C	20	AAC	6,113	65	AC Rehabilitation	\$ 42,000
2022	LKR	TW D	10	AAC	5,705	64	AC Rehabilitation	\$ 39,000
2023	LKR	TW D	20	AAC	6,113	69	AC Rehabilitation	\$ 42,000
2024	LKR	TW A	10	AAC	36,354	68	AC Rehabilitation	\$ 246,000
2024	LKR	TW A	20	AAC	43,143	69	AC Rehabilitation	\$ 292,000
2024	LKR	TW A	50	AAC	2,567	68	AC Rehabilitation	\$ 18,000
2025	LKR	AP 01	5	AAC	2,535	69	AC Rehabilitation	\$ 18,000
Total 5-Year Major Rehabilitation Needs =								\$ 1,802,000



Appendix D – Detailed PCI Results

LKR - Lancaster County Airport - McWhirter Field

AP 01

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
AP 01	APRON	7	243,627	90	Good

Section ID	Area (SF)	Surface	Est. Last Major Work Year	Est. Last Global Treatment Year	PCI	Condition Rating	PCI % Climate	PCI % Load	PCI % Other
05	2,535	AAC	2015	2015	74	Satisfactory	100	0	0
10	48,604	AAC	2020	2020	100	Good	0	0	0
20	51,020	AAC	2020	2020	100	Good	0	0	0
30	39,271	AC	2009	-	62	Fair	100	0	0
40	1,200	AC	2020	-	100	Good	0	0	0
50	5,975	AAC	2020	-	100	Good	0	0	0
60	95,022	AC	2018	-	91	Good	100	0	0



AP 01-05



AP 01-30



AP 01-60

LKR - Lancaster County Airport - McWhirter Field

RW 6

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
RW 6	RUNWAY	1	600,400	99	Good

Section ID	Area (SF)	Surface	Est. Last Major Work Year	Est. Last Global Treatment Year	PCI	Condition Rating	PCI % Climate	PCI % Load	PCI % Other
10	600,400	PCC	2010	-	99	Good	52	0	48



RW 6-10



RW 6-10



RW 6-10



RW 6-10

TW A

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TW A	TAXIWAY	6	238,651	80	Satisfactory

Section ID	Area (SF)	Surface	Est. Last Major Work Year	Est. Last Global Treatment Year	PCI	Condition Rating	PCI % Climate	PCI % Load	PCI % Other
05	5,980	AAC	2015	2015	70	Fair	100	0	0
10	36,354	AAC	2015	2015	74	Satisfactory	100	0	0
20	43,143	AAC	2015	2015	75	Satisfactory	100	0	0
30	129,646	AAC	2015	2015	80	Satisfactory	96	0	4
40	20,961	AAC	2020	-	100	Good	0	0	0
50	2,567	AAC	2010	-	74	Satisfactory	100	0	0



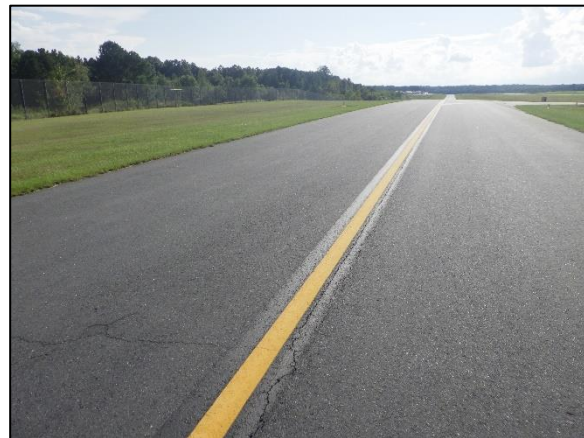
TW A-05



TW A-10



TW A-20



TW A-30

LKR - Lancaster County Airport - McWhirter Field

TW B

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TW B	TAXIWAY	2	11,632	86	Good

Section ID	Area (SF)	Surface	Est. Last Major Work Year	Est. Last Global Treatment Year	PCI	Condition Rating	PCI % Climate	PCI % Load	PCI % Other
10	6,159	AAC	2020	-	100	Good	0	0	0
20	5,473	AAC	2010	-	70	Fair	65	0	35



TW B-20



TW B-20

TW C

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TW C	TAXIWAY	2	11,519	68	Fair

Section ID	Area (SF)	Surface	Est. Last Major Work Year	Est. Last Global Treatment Year	PCI	Condition Rating	PCI % Climate	PCI % Load	PCI % Other
10	5,406	AAC	2015	2015	69	Fair	100	0	0
20	6,113	AAC	2015	2015	67	Fair	100	0	0



TW C-10



TW C-20

LKR - Lancaster County Airport - McWhirter Field

TW D

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TW D	TAXIWAY	2	11,818	70	Fair

Section ID	Area (SF)	Surface	Est. Last Major Work Year	Est. Last Global Treatment Year	PCI	Condition Rating	PCI % Climate	PCI % Load	PCI % Other
10	5,705	AAC	2015	2015	66	Fair	100	0	0
20	6,113	AAC	2015	2015	73	Satisfactory	100	0	0



TW D-10



TW D-20

LKR - Lancaster County Airport - McWhirter Field

TL 01

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TL 01	TAXILANE	2	107,148	67	Fair

Section ID	Area (SF)	Surface	Est. Last Major Work Year	Est. Last Global Treatment Year	PCI	Condition Rating	PCI % Climate	PCI % Load	PCI % Other
10	51,680	AC	2006	2013	71	Satisfactory	99	0	1
20	55,468	AC	2011	2015	63	Fair	100	0	0



TL 01-10



TL 01-20



TL 01-20



Appendix E – Re-Inspection Report

Re-Inspection Report

SCAC_2021

Generated Date

5/29/2022

Page 1 of 22

Network:	LKR	Name:	Lancaster County Airport - McWhirter Field		
Branch:	AP 01	Name:	APRON 01	Use:	APRON
		Area:	243,627 SqFt		
Section:	05	of	7	From:	-
		To:	-		
		Last Const.:	1/1/2015		
Surface:	AAC	Family:	SC III & IV-AP-AC	Zone:	
		Category:	G		
		Rank:	S		
Area:	2,535 SqFt	Length:	200 Ft	Width:	100 Ft
Slabs:		Slab Length:	Ft	Slab Width:	Ft
		Joint Length:	Ft		
Shoulder:		Street Type:		Grade:	0
		Lanes:	0		

Section Comments:

Work Date:	4/1/1983	Work Type:	Surface Course - AC (Layer Construct)	Code:	SU-AC	Is Major M&R:	False
Work Date:	4/1/1983	Work Type:	New Construction - Initial	Code:	NU-IN	Is Major M&R:	True
Work Date:	6/1/1985	Work Type:	Crack Sealing - AC	Code:	CS-AC	Is Major M&R:	False
Work Date:	6/1/2006	Work Type:	Overlay - AC Structural	Code:	OL-AS	Is Major M&R:	True
Work Date:	1/1/2015	Work Type:	Overlay - AC Structural	Code:	OL-AS	Is Major M&R:	True
Work Date:	1/2/2015	Work Type:	Surface Seal - Rejuvenating	Code:	SS-RE	Is Major M&R:	False

Last Insp. Date: 9/22/2021 **Total Samples:** 1 **Surveyed:** 1

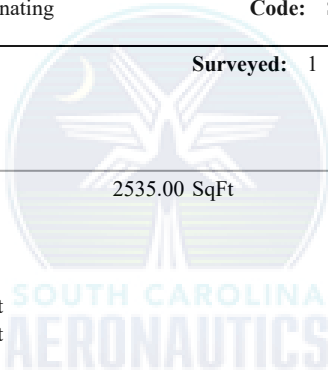
Conditions: PCI: 74

Inspection Comments:

Sample Number:	01	Type:	R	Area:	2535.00 SqFt	PCI:	74
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Sample Comments:

48	L & T CR	L	181.00	Ft
57	WEATHERING	L	2484.00	SqFt
57	WEATHERING	M	51.00	SqFt



Network: LKR **Name:** Lancaster County Airport - McWhirter Field

Branch: AP 01 **Name:** APRON 01 **Use:** APRON **Area:** 243,627 SqFt

Section: 10 of 7 **From:** - **To:** - **Last Const.:** 1/1/2020

Surface: AAC **Family:** SC III & IV-AP-AC **Zone:** **Category:** G **Rank:** S

Area: 48,604 SqFt **Length:** 120 Ft **Width:** 382 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 4/1/1983 **Work Type:** New Construction - Initial **Code:** NU-IN **Is Major M&R:** True

Work Date: 4/1/1983 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

Work Date: 6/1/1985 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Work Date: 12/1/2006 **Work Type:** Overlay - AC Structural **Code:** OL-AS **Is Major M&R:** True

Work Date: 1/1/2013 **Work Type:** Surface Seal - Rejuvenating **Code:** SS-RE **Is Major M&R:** False

Work Date: 1/1/2020 **Work Type:** Mill and Overlay **Code:** ML-OV **Is Major M&R:** True

Work Date: 1/2/2020 **Work Type:** Surface Seal - Rejuvenating **Code:** SS-RE **Is Major M&R:** False

Last Insp. Date: 4/14/2016 **Total Samples:** 9 **Surveyed:** 3

Conditions: PCI: 73 **NOTE: *** Pre-Construction PCI *****

Inspection Comments:

Sample Number: 04 **Type:** R **Area:** 6000.00 SqFt **PCI:** 73

Sample Comments:

48 LONGITUDINAL/TRANSVERSE L 373.00 Ft
CRACKING

52 RAVELING L 900.00 SqFt

57 WEATHERING L 5100.00 SqFt

Sample Number: 05 **Type:** R **Area:** 6000.00 SqFt **PCI:** 75

Sample Comments:

48 LONGITUDINAL/TRANSVERSE L 305.00 Ft
CRACKING

52 RAVELING L 900.00 SqFt

57 WEATHERING L 5100.00 SqFt

Sample Number: 07 **Type:** R **Area:** 6013.00 SqFt **PCI:** 71

Sample Comments:

48 LONGITUDINAL/TRANSVERSE L 447.00 Ft
CRACKING

52 RAVELING L 902.00 SqFt

57 WEATHERING L 5111.00 SqFt

Network: LKR **Name:** Lancaster County Airport - McWhirter Field

Branch: AP 01 **Name:** APRON 01 **Use:** APRON **Area:** 243,627 SqFt

Section: 20 of 7 **From:** - **To:** - **Last Const.:** 1/1/2020

Surface: AAC **Family:** SC III & IV-AP-AC **Zone:** **Category:** G **Rank:** P

Area: 51,020 SqFt **Length:** 179 Ft **Width:** 286 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 8/1/1970 **Work Type:** New Construction - Initial **Code:** NU-IN **Is Major M&R:** True

Work Date: 8/1/1970 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

Work Date: 6/1/1985 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Work Date: 12/1/2006 **Work Type:** Overlay - AC Structural **Code:** OL-AS **Is Major M&R:** True

Work Date: 1/1/2013 **Work Type:** Surface Seal - Rejuvenating **Code:** SS-RE **Is Major M&R:** False

Work Date: 1/1/2020 **Work Type:** Mill and Overlay **Code:** ML-OV **Is Major M&R:** True

Work Date: 1/2/2020 **Work Type:** Surface Seal - Rejuvenating **Code:** SS-RE **Is Major M&R:** False

Last Insp. Date: 4/14/2016 **Total Samples:** 9 **Surveyed:** 3

Conditions: PCI: 74 **NOTE: *** Pre-Construction PCI *****

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 4733.00 SqFt **PCI:** 72

Sample Comments:

48 LONGITUDINAL/TRANSVERSE L 310.00 Ft
CRACKING

52 RAVELING L 710.00 SqFt

57 WEATHERING L 4023.00 SqFt

Sample Number: 05 **Type:** R **Area:** 5000.00 SqFt **PCI:** 78

Sample Comments:

48 LONGITUDINAL/TRANSVERSE L 143.00 Ft
CRACKING

52 RAVELING L 750.00 SqFt

57 WEATHERING L 4250.00 SqFt

Sample Number: 09 **Type:** R **Area:** 5000.00 SqFt **PCI:** 71

Sample Comments:

48 LONGITUDINAL/TRANSVERSE L 367.00 Ft
CRACKING

52 RAVELING L 750.00 SqFt

57 WEATHERING L 4250.00 SqFt

Network: LKR **Name:** Lancaster County Airport - McWhirter Field

Branch: AP 01 **Name:** APRON 01 **Use:** APRON **Area:** 243,627 SqFt

Section: 30 of 7 **From:** - **To:** - **Last Const.:** 1/1/2009

Surface: AC **Family:** SC III & IV-AP-AC **Zone:** **Category:** **Rank:** S

Area: 39,271 SqFt **Length:** 272 Ft **Width:** 104 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 1/1/2009 **Work Type:** New Construction - Initial **Code:** NU-IN **Is Major M&R:** True

Last Insp. Date: 9/22/2021 **TotalSamples:** 8 **Surveyed:** 2

Conditions: PCI: 62

Inspection Comments:

Sample Number: 03 **Type:** R **Area:** 5200.00 SqFt **PCI:** 58

Sample Comments:

48 L & T CR L 76.00 Ft
48 L & T CR M 332.00 Ft
52 RAVELING L 520.00 SqFt
57 WEATHERING L 4680.00 SqFt

Sample Number: 05 **Type:** R **Area:** 5200.00 SqFt **PCI:** 67

Sample Comments:

48 L & T CR L 256.00 Ft
48 L & T CR M 132.00 Ft
52 RAVELING L 520.00 SqFt
57 WEATHERING L 4680.00 SqFt



Network: LKR **Name:** Lancaster County Airport - McWhirter Field

Branch: AP 01 **Name:** APRON 01 **Use:** APRON **Area:** 243,627 SqFt

Section: 60 of 7 **From:** - **To:** - **Last Const.:** 7/1/2018

Surface: AC **Family:** SC III & IV-AP-AC **Zone:** **Category:** **Rank:** P

Area: 95,022 SqFt **Length:** 227 Ft **Width:** 438 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 7/1/2018 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

Work Date: 7/2/2018 **Work Type:** Subbase-Lime Stabilized **Code:** SB-LS **Is Major M&R:** False

Work Date: 7/3/2018 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

Work Date: 7/4/2021 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

Last Insp. Date: 9/22/2021 **TotalSamples:** 18 **Surveyed:** 4

Conditions: PCI: 91

Inspection Comments:

Sample Number: 06 **Type:** R **Area:** 5889.00 SqFt **PCI:** 88

Sample Comments:

48 L & T CR L 104.00 Ft
57 WEATHERING L 5889.00 SqFt

Sample Number: 09 **Type:** R **Area:** 5000.00 SqFt **PCI:** 88

Sample Comments:

48 L & T CR L 90.00 Ft
57 WEATHERING L 5000.00 SqFt

Sample Number: 12 **Type:** R **Area:** 5200.00 SqFt **PCI:** 94

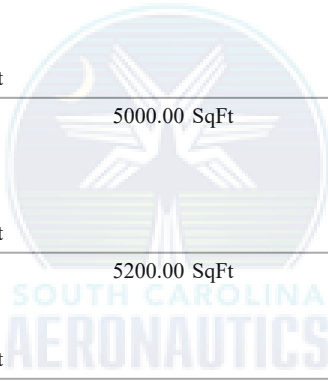
Sample Comments:

57 WEATHERING L 5200.00 SqFt

Sample Number: 15 **Type:** R **Area:** 5507.00 SqFt **PCI:** 94

Sample Comments:

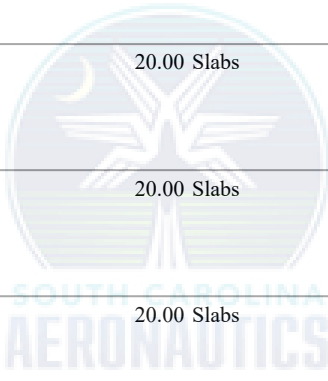
57 WEATHERING L 5507.00 SqFt



Network:	LKR	Name:	Lancaster County Airport - McWhirter Field						
Branch:	RW 6	Name:	RUNWAY 6/24	Use:	RUNWAY	Area:	600,400 SqFt		
Section:	10	of	1	From:	-	To:	-	Last Const.:	1/1/2010
Surface:	PCC	Family:	SC III & IV-PCC	Zone:		Category:	G	Rank:	P
Area:	600,400 SqFt	Length:	3,300 Ft	Width:	100 Ft				
Slabs:	3,843	Slab Length:	12 Ft	Slab Width:	12 Ft	Joint Length:	49,400 Ft		
Shoulder:		Street Type:		Grade:	0	Lanes:	0		
Section Comments:									
Work Date:	5/1/1971	Work Type:	Base Course - Aggregate	Code:	BA-AG	Is Major M&R:	False		
Work Date:	5/1/1971	Work Type:	Surface Course - AC (Layer Construct)	Code:	SU-AC	Is Major M&R:	False		
Work Date:	1/1/1992	Work Type:	OVERLAY-AC GLOBAL	Code:	OL-AT	Is Major M&R:	False		
Work Date:	1/1/1992	Work Type:	New Construction - Initial	Code:	NU-IN	Is Major M&R:	True		
Work Date:	1/1/2010	Work Type:	Overlay-PCC	Code:	OL-PCC	Is Major M&R:	True		
Last Insp. Date:	9/22/2021	TotalSamples:	192	Surveyed:	39				
Conditions:	PCI: 99								
Inspection Comments:									
Sample Number:	02	Type:	R	Area:	20.00 Slabs	PCI:	97		
Sample Comments:									
74	JOINT SPALL	L		2.00	Slabs				
Sample Number:	06	Type:	R	Area:	20.00 Slabs	PCI:	100		
Sample Comments:									
<No Distress>									
Sample Number:	104	Type:	R	Area:	20.00 Slabs	PCI:	97		
Sample Comments:									
74	JOINT SPALL	L		2.00	Slabs				
Sample Number:	114	Type:	R	Area:	20.00 Slabs	PCI:	98		
Sample Comments:									
74	JOINT SPALL	L		1.00	Slabs				
Sample Number:	115	Type:	R	Area:	20.00 Slabs	PCI:	100		
Sample Comments:									
<No Distress>									
Sample Number:	116	Type:	R	Area:	20.00 Slabs	PCI:	98		
Sample Comments:									
75	CORNER SPALL	L		1.00	Slabs				
Sample Number:	118	Type:	R	Area:	20.00 Slabs	PCI:	98		
Sample Comments:									
74	JOINT SPALL	L		1.00	Slabs				
Sample Number:	124	Type:	R	Area:	20.00 Slabs	PCI:	100		
Sample Comments:									
<No Distress>									
Sample Number:	133	Type:	R	Area:	20.00 Slabs	PCI:	100		
Sample Comments:									
<No Distress>									
Sample Number:	142	Type:	R	Area:	20.00 Slabs	PCI:	99		
Sample Comments:									
66	SMALL PATCH	L		1.00	Slabs				

Sample Number: 146	Type: R	Area: 20.00 Slabs	PCI: 100
Sample Comments: <No Distress>			
Sample Number: 153	Type: R	Area: 20.00 Slabs	PCI: 94
Sample Comments:			
74 JOINT SPALL	M	1.00 Slabs	
75 CORNER SPALL	L	1.00 Slabs	
Sample Number: 158	Type: R	Area: 20.00 Slabs	PCI: 100
Sample Comments: <No Distress>			
Sample Number: 165	Type: R	Area: 20.00 Slabs	PCI: 100
Sample Comments: <No Distress>			
Sample Number: 167	Type: R	Area: 20.00 Slabs	PCI: 100
Sample Comments: <No Distress>			
Sample Number: 168	Type: R	Area: 20.00 Slabs	PCI: 100
Sample Comments: <No Distress>			
Sample Number: 173	Type: R	Area: 20.00 Slabs	PCI: 98
Sample Comments:			
74 JOINT SPALL	L	1.00 Slabs	
Sample Number: 174	Type: R	Area: 20.00 Slabs	PCI: 100
Sample Comments: <No Distress>			
Sample Number: 182	Type: R	Area: 20.00 Slabs	PCI: 100
Sample Comments: <No Distress>			
Sample Number: 19	Type: R	Area: 20.00 Slabs	PCI: 100
Sample Comments: <No Distress>			
Sample Number: 190	Type: R	Area: 20.00 Slabs	PCI: 100
Sample Comments: <No Distress>			
Sample Number: 191	Type: R	Area: 24.00 Slabs	PCI: 98
Sample Comments:			
65 JT SEAL DMG	L	24.00 Slabs	
Sample Number: 192	Type: R	Area: 24.00 Slabs	PCI: 100
Sample Comments: <No Distress>			
Sample Number: 25	Type: R	Area: 20.00 Slabs	PCI: 100
Sample Comments: <No Distress>			
Sample Number: 29	Type: R	Area: 20.00 Slabs	PCI: 100
Sample Comments: <No Distress>			
Sample Number: 34	Type: R	Area: 20.00 Slabs	PCI: 100
Sample Comments: <No Distress>			

Sample Number: 35	Type: R	Area: 20.00 Slabs	PCI: 100
Sample Comments: <No Distress>			
Sample Number: 41	Type: R	Area: 20.00 Slabs	PCI: 100
Sample Comments: <No Distress>			
Sample Number: 43	Type: R	Area: 20.00 Slabs	PCI: 94
Sample Comments:			
74	JOINT SPALL	L	1.00 Slabs
75	CORNER SPALL	L	2.00 Slabs
Sample Number: 46	Type: R	Area: 20.00 Slabs	PCI: 100
Sample Comments: <No Distress>			
Sample Number: 49	Type: R	Area: 20.00 Slabs	PCI: 100
Sample Comments: <No Distress>			
Sample Number: 50	Type: R	Area: 20.00 Slabs	PCI: 100
Sample Comments: <No Distress>			
Sample Number: 58	Type: R	Area: 20.00 Slabs	PCI: 100
Sample Comments: <No Distress>			
Sample Number: 63	Type: R	Area: 20.00 Slabs	PCI: 100
Sample Comments: <No Distress>			
Sample Number: 71	Type: R	Area: 20.00 Slabs	PCI: 100
Sample Comments: <No Distress>			
Sample Number: 72	Type: R	Area: 20.00 Slabs	PCI: 100
Sample Comments: <No Distress>			
Sample Number: 80	Type: R	Area: 20.00 Slabs	PCI: 98
Sample Comments:			
74	JOINT SPALL	L	1.00 Slabs
Sample Number: 85	Type: R	Area: 20.00 Slabs	PCI: 100
Sample Comments: <No Distress>			
Sample Number: 91	Type: R	Area: 20.00 Slabs	PCI: 100
Sample Comments: <No Distress>			



Network: LKR **Name:** Lancaster County Airport - McWhirter Field

Branch: TL 01 **Name:** TAXILANE 01 **Use:** TAXILANE **Area:** 107,148 SqFt

Section: 10 of 2 **From:** - **To:** - **Last Const.:** 12/1/2006

Surface: AC **Family:** SC III & IV-TW-TL-AC **Zone:** **Category:** G **Rank:** T

Area: 51,680 SqFt **Length:** 1,500 Ft **Width:** 50 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 6/1/1996 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

Work Date: 6/1/1996 **Work Type:** New Construction - Initial **Code:** NU-IN **Is Major M&R:** True

Work Date: 12/1/2006 **Work Type:** Complete Reconstruction - AC **Code:** CR-AC **Is Major M&R:** True

Work Date: 1/1/2013 **Work Type:** Surface Seal - Rejuvenating **Code:** SS-RE **Is Major M&R:** False

Last Insp. Date: 9/22/2021 **TotalSamples:** 11 **Surveyed:** 3

Conditions: PCI: 71

Inspection Comments:

Sample Number: 04 **Type:** R **Area:** 5000.00 SqFt **PCI:** 72

Sample Comments:

48 L & T CR L 321.00 Ft
52 RAVELING L 750.00 SqFt
57 WEATHERING L 4250.00 SqFt

Sample Number: 09 **Type:** R **Area:** 4590.00 SqFt **PCI:** 70

Sample Comments:

45 DEPRESSION L 9.00 SqFt
48 L & T CR L 173.00 Ft
48 L & T CR M 14.00 Ft
50 PATCHING L 21.00 SqFt
52 RAVELING L 685.00 SqFt
57 WEATHERING L 3884.00 SqFt

Sample Number: 11 **Type:** R **Area:** 4590.00 SqFt **PCI:** 71

Sample Comments:

48 L & T CR L 320.00 Ft
52 RAVELING L 688.00 SqFt
57 WEATHERING L 3902.00 SqFt



Network: LKR **Name:** Lancaster County Airport - McWhirter Field

Branch: TL 01 **Name:** TAXILANE 01 **Use:** TAXILANE **Area:** 107,148 SqFt

Section: 20 of 2 **From:** - **To:** - **Last Const.:** 1/1/2011

Surface: AC **Family:** SC III & IV-TW-TL-AC **Zone:** **Category:** G **Rank:** T

Area: 55,468 SqFt **Length:** 1,500 Ft **Width:** 50 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 6/1/1996 **Work Type:** New Construction - Initial **Code:** NU-IN **Is Major M&R:** True

Work Date: 6/1/1996 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

Work Date: 1/1/2011 **Work Type:** Complete Reconstruction - AC **Code:** CR-AC **Is Major M&R:** True

Work Date: 1/1/2012 **Work Type:** Surface Seal - Rejuvenating **Code:** SS-RE **Is Major M&R:** False

Work Date: 1/1/2015 **Work Type:** Surface Seal - Rejuvenating **Code:** SS-RE **Is Major M&R:** False

Work Date: 1/2/2015 **Work Type:** Surface Seal - Rejuvenating **Code:** SS-RE **Is Major M&R:** False

Last Insp. Date: 9/22/2021 **Total Samples:** 10 **Surveyed:** 2

Conditions: PCI: 63

Inspection Comments:

Sample Number: 04 **Type:** R **Area:** 4920.00 SqFt **PCI:** 65

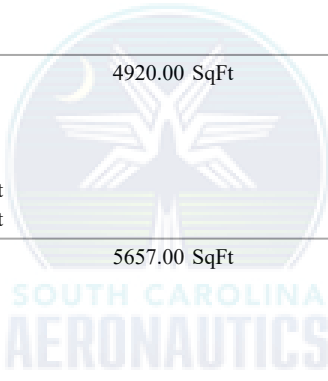
Sample Comments:

48 L & T CR L 549.00 Ft
52 RAVELING L 246.00 SqFt
57 WEATHERING L 4674.00 SqFt

Sample Number: 08 **Type:** R **Area:** 5657.00 SqFt **PCI:** 61

Sample Comments:

48 L & T CR L 167.00 Ft
48 L & T CR M 249.00 Ft
48 L & T CR H 13.00 Ft
57 WEATHERING L 5657.00 SqFt



Network: LKR **Name:** Lancaster County Airport - McWhirter Field

Branch: TW A **Name:** TAXIWAY A **Use:** TAXIWAY **Area:** 238,651 SqFt

Section: 05 of 6 **From:** - **To:** - **Last Const.:** 1/1/2015

Surface: AAC **Family:** SC III & IV-TW-TL-AC **Zone:** **Category:** G **Rank:** P

Area: 5,980 SqFt **Length:** 1,300 Ft **Width:** 40 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 4/1/1983 **Work Type:** Subbase - Aggregate **Code:** SB-AG **Is Major M&R:** False

Work Date: 4/1/1983 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

Work Date: 4/1/1983 **Work Type:** New Construction - Initial **Code:** NU-IN **Is Major M&R:** True

Work Date: 4/1/1983 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

Work Date: 6/1/1985 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Work Date: 1/1/2010 **Work Type:** Overlay - AC Structural **Code:** OL-AS **Is Major M&R:** True

Work Date: 1/1/2015 **Work Type:** Overlay - AC Structural **Code:** OL-AS **Is Major M&R:** True

Work Date: 1/2/2015 **Work Type:** Surface Seal - Rejuvenating **Code:** SS-RE **Is Major M&R:** False

Last Insp. Date: 9/22/2021 **TotalSamples:** 1 **Surveyed:** 1

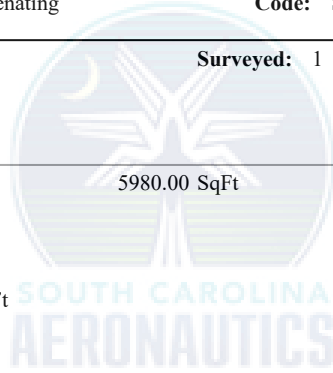
Conditions: PCI: 70

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 5980.00 SqFt **PCI:** 70

Sample Comments:

48 L & T CR L 681.00 Ft
57 WEATHERING L 5980.00 SqFt



Network: LKR **Name:** Lancaster County Airport - McWhirter Field

Branch: TW A **Name:** TAXIWAY A **Use:** TAXIWAY **Area:** 238,651 SqFt

Section: 10 of 6 **From:** - **To:** - **Last Const.:** 1/1/2015

Surface: AAC **Family:** SC III & IV-TW-TL-AC **Zone:** **Category:** G **Rank:** P

Area: 36,354 SqFt **Length:** 918 Ft **Width:** 40 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 4/1/1983 **Work Type:** Subbase - Aggregate **Code:** SB-AG **Is Major M&R:** False

Work Date: 4/1/1983 **Work Type:** New Construction - Initial **Code:** NU-IN **Is Major M&R:** True

Work Date: 4/1/1983 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

Work Date: 4/1/1983 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

Work Date: 6/1/1985 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Work Date: 1/1/2015 **Work Type:** Overlay - AC Structural **Code:** OL-AS **Is Major M&R:** True

Work Date: 1/2/2015 **Work Type:** Surface Seal - Rejuvenating **Code:** SS-RE **Is Major M&R:** False

Last Insp. Date: 9/22/2021 **TotalSamples:** 8 **Surveyed:** 3

Conditions: PCI: 74

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 6507.00 SqFt **PCI:** 77

Sample Comments:

48 L & T CR L 432.00 Ft
57 WEATHERING L 6507.00 SqFt

Sample Number: 03 **Type:** R **Area:** 3999.00 SqFt **PCI:** 73

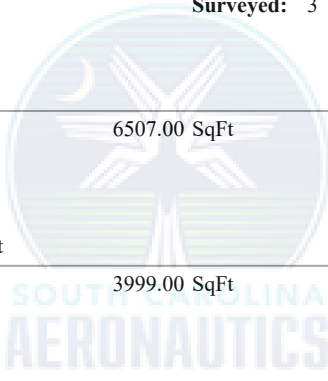
Sample Comments:

48 L & T CR L 365.00 Ft
57 WEATHERING L 3999.00 SqFt

Sample Number: 06 **Type:** R **Area:** 3997.00 SqFt **PCI:** 71

Sample Comments:

48 L & T CR L 418.00 Ft
57 WEATHERING L 3997.00 SqFt



Network: LKR **Name:** Lancaster County Airport - McWhirter Field

Branch: TW A **Name:** TAXIWAY A **Use:** TAXIWAY **Area:** 238,651 SqFt

Section: 20 of 6 **From:** - **To:** - **Last Const.:** 1/1/2015

Surface: AAC **Family:** SC III & IV-TW-TL-AC **Zone:** **Category:** G **Rank:** P

Area: 43,143 SqFt **Length:** 1,118 Ft **Width:** 40 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 4/1/1983 **Work Type:** Subbase - Aggregate **Code:** SB-AG **Is Major M&R:** False

Work Date: 4/1/1983 **Work Type:** New Construction - Initial **Code:** NU-IN **Is Major M&R:** True

Work Date: 4/1/1983 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

Work Date: 4/1/1983 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

Work Date: 6/1/1985 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Work Date: 1/1/2015 **Work Type:** Overlay - AC Structural **Code:** OL-AS **Is Major M&R:** True

Work Date: 1/2/2015 **Work Type:** Surface Seal - Rejuvenating **Code:** SS-RE **Is Major M&R:** False

Last Insp. Date: 9/22/2021 **TotalSamples:** 11 **Surveyed:** 3

Conditions: PCI: 75

Inspection Comments:

Sample Number: 02 **Type:** R **Area:** 3600.00 SqFt **PCI:** 74

Sample Comments:

48 L & T CR L 307.00 Ft
57 WEATHERING L 3600.00 SqFt

Sample Number: 06 **Type:** R **Area:** 4000.00 SqFt **PCI:** 72

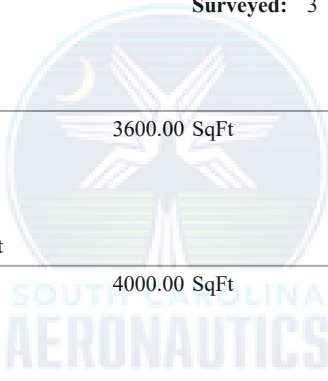
Sample Comments:

48 L & T CR L 389.00 Ft
57 WEATHERING L 4000.00 SqFt

Sample Number: 10 **Type:** R **Area:** 4000.00 SqFt **PCI:** 78

Sample Comments:

48 L & T CR L 248.00 Ft
57 WEATHERING L 4000.00 SqFt



Network: LKR **Name:** Lancaster County Airport - McWhirter Field

Branch: TW A **Name:** TAXIWAY A **Use:** TAXIWAY **Area:** 238,651 SqFt

Section: 30 of 6 **From:** - **To:** - **Last Const.:** 1/1/2015

Surface: AAC **Family:** SC III & IV-TW-TL-AC **Zone:** **Category:** G **Rank:** P

Area: 129,646 SqFt **Length:** 3,675 Ft **Width:** 35 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 3/1/2000 **Work Type:** New Construction - Initial **Code:** NU-IN **Is Major M&R:** True

Work Date: 3/1/2000 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

Work Date: 3/1/2000 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

Work Date: 1/1/2015 **Work Type:** Overlay - AC Structural **Code:** OL-AS **Is Major M&R:** True

Work Date: 1/2/2015 **Work Type:** Surface Seal - Rejuvenating **Code:** SS-RE **Is Major M&R:** False

Last Insp. Date: 9/22/2021 **TotalSamples:** 37 **Surveyed:** 8

Conditions: PCI: 80

Inspection Comments:

Sample Number: 04 **Type:** R **Area:** 3500.00 SqFt **PCI:** 82

Sample Comments:

48 L & T CR L 146.00 Ft
57 WEATHERING L 3500.00 SqFt

Sample Number: 11 **Type:** R **Area:** 3500.00 SqFt **PCI:** 84

Sample Comments:

48 L & T CR L 112.00 Ft
57 WEATHERING L 3500.00 SqFt

Sample Number: 16 **Type:** R **Area:** 3500.00 SqFt **PCI:** 81

Sample Comments:

48 L & T CR L 160.00 Ft
57 WEATHERING L 3500.00 SqFt

Sample Number: 19 **Type:** R **Area:** 3500.00 SqFt **PCI:** 81

Sample Comments:

48 L & T CR L 157.00 Ft
57 WEATHERING L 3500.00 SqFt

Sample Number: 26 **Type:** R **Area:** 3500.00 SqFt **PCI:** 76

Sample Comments:

48 L & T CR L 232.00 Ft
56 SWELLING L 1.00 SqFt
57 WEATHERING L 3500.00 SqFt

Sample Number: 30 **Type:** R **Area:** 3500.00 SqFt **PCI:** 81

Sample Comments:

48 L & T CR L 166.00 Ft
57 WEATHERING L 3500.00 SqFt

Sample Number: 33 **Type:** R **Area:** 3500.00 SqFt **PCI:** 81

Sample Comments:

48 L & T CR L 156.00 Ft
57 WEATHERING L 3500.00 SqFt

Sample Number: 36 **Type:** R **Area:** 4008.00 SqFt **PCI:** 71

Sample Comments:

48 L & T CR L 437.00 Ft
57 WEATHERING L 4008.00 SqFt

Network:	LKR	Name:	Lancaster County Airport - McWhirter Field				
Branch:	TW A	Name:	TAXIWAY A	Use:	TAXIWAY	Area:	238,651 SqFt
Section:	40	of 6	From:	-	To:	-	Last Const.: 1/1/2020
Surface:	AAC	Family:	SC III & IV-TW-TL-AC	Zone:		Category:	G
Area:	20,961 SqFt	Length:	535 Ft	Width:	40 Ft		
Slabs:		Slab Length:	Ft	Slab Width:	Ft	Joint Length:	Ft
Shoulder:		Street Type:		Grade:	0	Lanes:	0
Section Comments:							
Work Date:	4/1/1983	Work Type:	Base Course - Aggregate	Code:	BA-AG	Is Major M&R:	False
Work Date:	4/1/1983	Work Type:	Surface Course - AC (Layer Construct)	Code:	SU-AC	Is Major M&R:	False
Work Date:	4/1/1983	Work Type:	Subbase - Aggregate	Code:	SB-AG	Is Major M&R:	False
Work Date:	4/1/1983	Work Type:	New Construction - Initial	Code:	NU-IN	Is Major M&R:	True
Work Date:	6/1/1985	Work Type:	Crack Sealing - AC	Code:	CS-AC	Is Major M&R:	False
Work Date:	12/1/2006	Work Type:	Overlay - AC Structural	Code:	OL-AS	Is Major M&R:	True
Work Date:	1/1/2020	Work Type:	Mill and Overlay	Code:	ML-OV	Is Major M&R:	True

Last Insp. Date:	4/14/2016	TotalSamples:	6	Surveyed:	2		
Conditions:	PCI: 68	NOTE: *** Pre-Construction PCI ***					
Inspection Comments:							
Sample Number:	02	Type:	R	Area:	4000.00 SqFt	PCI:	70
Sample Comments:							
48	LONGITUDINAL/TRANSVERSE CRACKING	L		322.00	Ft		
52	RAVELING	L		600.00	SqFt		
57	WEATHERING	L		3400.00	SqFt		
Sample Number:	03	Type:	R	Area:	4000.00 SqFt	PCI:	67
Sample Comments:							
48	LONGITUDINAL/TRANSVERSE CRACKING	L		400.00	Ft		
52	RAVELING	L		600.00	SqFt		
57	WEATHERING	L		3400.00	SqFt		

Network: LKR **Name:** Lancaster County Airport - McWhirter Field

Branch: TW A **Name:** TAXIWAY A **Use:** TAXIWAY **Area:** 238,651 SqFt

Section: 50 of 6 **From:** - **To:** - **Last Const.:** 1/1/2010

Surface: AAC **Family:** SC III & IV-TW-TL-AC **Zone:** **Category:** G **Rank:** P

Area: 2,567 SqFt **Length:** 3,900 Ft **Width:** 35 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 3/1/2000 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

Work Date: 3/1/2000 **Work Type:** New Construction - Initial **Code:** NU-IN **Is Major M&R:** True

Work Date: 3/1/2000 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

Work Date: 1/1/2010 **Work Type:** Overlay - AC Structural **Code:** OL-AS **Is Major M&R:** True

Last Insp. Date: 9/22/2021 **TotalSamples:** 1 **Surveyed:** 1

Conditions: PCI: 74

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 2567.00 SqFt **PCI:** 74

Sample Comments:

48 L & T CR L 142.00 Ft
52 RAVELING L 128.00 SqFt
57 WEATHERING L 2439.00 SqFt



Network: LKR **Name:** Lancaster County Airport - McWhirter Field

Branch: TW B **Name:** TAXIWAY B **Use:** TAXIWAY **Area:** 11,632 SqFt

Section: 10 of 2 **From:** - **To:** - **Last Const.:** 1/1/2020

Surface: AAC **Family:** SC III & IV-TW-TL-AC **Zone:** **Category:** G **Rank:** P

Area: 6,159 SqFt **Length:** 120 Ft **Width:** 40 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 8/1/1970 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

Work Date: 8/1/1970 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

Work Date: 8/1/1970 **Work Type:** New Construction - Initial **Code:** NU-IN **Is Major M&R:** True

Work Date: 6/1/1985 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Work Date: 12/1/2006 **Work Type:** Overlay - AC Structural **Code:** OL-AS **Is Major M&R:** True

Work Date: 1/1/2020 **Work Type:** Mill and Overlay **Code:** ML-OV **Is Major M&R:** True

Last Insp. Date: 4/14/2016 **Total Samples:** 1 **Surveyed:** 1

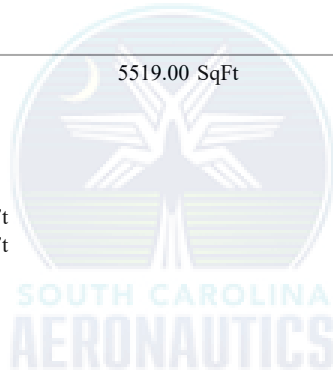
Conditions: PCI: 70 **NOTE: *** Pre-Construction PCI *****

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 5519.00 SqFt **PCI:** 70

Sample Comments:

48 LONGITUDINAL/TRANSVERSE L 338.00 Ft
CRACKING
52 RAVELING L 2760.00 SqFt
57 WEATHERING L 2759.00 SqFt



Network: LKR **Name:** Lancaster County Airport - McWhirter Field

Branch: TW B **Name:** TAXIWAY B **Use:** TAXIWAY **Area:** 11,632 SqFt

Section: 20 of 2 **From:** - **To:** - **Last Const.:** 1/1/2010

Surface: AAC **Family:** SC III & IV-TW-TL-AC **Zone:** **Category:** G **Rank:** P

Area: 5,473 SqFt **Length:** 110 Ft **Width:** 40 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 8/1/1970 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

Work Date: 8/1/1970 **Work Type:** New Construction - Initial **Code:** NU-IN **Is Major M&R:** True

Work Date: 8/1/1970 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

Work Date: 6/1/1985 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Work Date: 6/1/2006 **Work Type:** Overlay - AC Structural **Code:** OL-AS **Is Major M&R:** True

Work Date: 1/1/2010 **Work Type:** Overlay - AC Structural **Code:** OL-AS **Is Major M&R:** True

Last Insp. Date: 9/22/2021 **Total Samples:** 1 **Surveyed:** 1

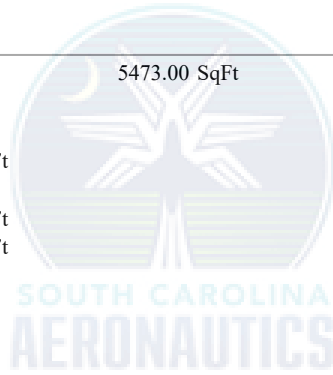
Conditions: PCI: 70

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 5473.00 SqFt **PCI:** 70

Sample Comments:

42 BLEEDING N 156.00 SqFt
48 L & T CR L 231.00 Ft
52 RAVELING L 547.00 SqFt
57 WEATHERING L 4926.00 SqFt



Network:	LKR	Name:	Lancaster County Airport - McWhirter Field				
Branch:	TW C	Name:	TAXIWAY C	Use:	TAXIWAY	Area:	11,519 SqFt
Section:	10	of 2	From:	-	To:	-	Last Const.: 1/1/2015
Surface:	AAC	Family:	SC III & IV-TW-TL-AC	Zone:		Category:	G
Area:	5,406 SqFt	Length:	230 Ft	Width:	40 Ft		
Slabs:		Slab Length:	Ft	Slab Width:	Ft	Joint Length:	Ft
Shoulder:		Street Type:		Grade:	0	Lanes:	0
Section Comments:							
Work Date:	4/1/1983	Work Type:	New Construction - Initial	Code:	NU-IN	Is Major M&R:	True
Work Date:	4/1/1983	Work Type:	Surface Course - AC (Layer Construct)	Code:	SU-AC	Is Major M&R:	False
Work Date:	4/1/1983	Work Type:	Base Course - Aggregate	Code:	BA-AG	Is Major M&R:	False
Work Date:	4/1/1983	Work Type:	Subbase - Aggregate	Code:	SB-AG	Is Major M&R:	False
Work Date:	6/1/1985	Work Type:	Crack Sealing - AC	Code:	CS-AC	Is Major M&R:	False
Work Date:	1/1/2015	Work Type:	Overlay - AC Structural	Code:	OL-AS	Is Major M&R:	True
Work Date:	1/2/2015	Work Type:	Surface Seal - Rejuvenating	Code:	SS-RE	Is Major M&R:	False

Last Insp. Date:	9/22/2021	TotalSamples:	1	Surveyed:	1
Conditions:	PCI: 69				
Inspection Comments:					

Sample Number:	01	Type:	R	Area:	5406.00 SqFt	PCI:	69
Sample Comments:							
48	L & T CR	L	656.00	Ft			
57	WEATHERING	L	5406.00	SqFt			



Network: LKR **Name:** Lancaster County Airport - McWhirter Field

Branch: TW C **Name:** TAXIWAY C **Use:** TAXIWAY **Area:** 11,519 SqFt

Section: 20 of 2 **From:** - **To:** - **Last Const.:** 1/1/2015

Surface: AAC **Family:** SC III & IV-TW-TL-AC **Zone:** **Category:** G **Rank:** S

Area: 6,113 SqFt **Length:** 230 Ft **Width:** 40 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 4/1/1983 **Work Type:** Subbase - Aggregate **Code:** SB-AG **Is Major M&R:** False

Work Date: 4/1/1983 **Work Type:** New Construction - Initial **Code:** NU-IN **Is Major M&R:** True

Work Date: 4/1/1983 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

Work Date: 4/1/1983 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

Work Date: 6/1/1985 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Work Date: 1/1/2010 **Work Type:** Overlay - AC Structural **Code:** OL-AS **Is Major M&R:** True

Work Date: 1/1/2015 **Work Type:** Overlay - AC Structural **Code:** OL-AS **Is Major M&R:** True

Work Date: 1/2/2015 **Work Type:** Surface Seal - Rejuvenating **Code:** SS-RE **Is Major M&R:** False

Last Insp. Date: 9/22/2021 **Total Samples:** 1 **Surveyed:** 1

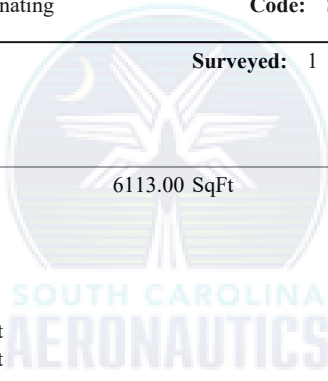
Conditions: PCI: 67

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 6113.00 SqFt **PCI:** 67

Sample Comments:

48	L & T CR	L	444.00 Ft
48	L & T CR	M	25.00 Ft
52	RAVELING	M	4.00 SqFt
57	WEATHERING	L	6109.00 SqFt



Network: LKR **Name:** Lancaster County Airport - McWhirter Field

Branch: TW D **Name:** TAXIWAY D **Use:** TAXIWAY **Area:** 11,818 SqFt

Section: 10 of 2 **From:** - **To:** - **Last Const.:** 1/1/2015

Surface: AAC **Family:** SC III & IV-TW-TL-AC **Zone:** **Category:** G **Rank:** S

Area: 5,705 SqFt **Length:** 230 Ft **Width:** 35 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 3/1/2000 **Work Type:** New Construction - Initial **Code:** NU-IN **Is Major M&R:** True

Work Date: 3/1/2000 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

Work Date: 3/1/2000 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

Work Date: 1/1/2015 **Work Type:** Overlay - AC Structural **Code:** OL-AS **Is Major M&R:** True

Work Date: 1/2/2015 **Work Type:** Surface Seal - Rejuvenating **Code:** SS-RE **Is Major M&R:** False

Last Insp. Date: 9/22/2021 **Total Samples:** 1 **Surveyed:** 1

Conditions: PCI: 66

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 5705.00 SqFt **PCI:** 66

Sample Comments:

48 L & T CR L 603.00 Ft
48 L & T CR M 34.00 Ft
57 WEATHERING L 5705.00 SqFt



Network: LKR **Name:** Lancaster County Airport - McWhirter Field

Branch: TW D **Name:** TAXIWAY D **Use:** TAXIWAY **Area:** 11,818 SqFt

Section: 20 of 2 **From:** - **To:** - **Last Const.:** 1/1/2015

Surface: AAC **Family:** SC III & IV-TW-TL-AC **Zone:** **Category:** G **Rank:** S

Area: 6,113 SqFt **Length:** 230 Ft **Width:** 35 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 3/1/2000 **Work Type:** New Construction - Initial **Code:** NU-IN **Is Major M&R:** True

Work Date: 3/1/2000 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

Work Date: 3/1/2000 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

Work Date: 1/1/2010 **Work Type:** Overlay - AC Structural **Code:** OL-AS **Is Major M&R:** True

Work Date: 1/1/2015 **Work Type:** Overlay - AC Structural **Code:** OL-AS **Is Major M&R:** True

Work Date: 1/2/2015 **Work Type:** Surface Seal - Rejuvenating **Code:** SS-RE **Is Major M&R:** False

Last Insp. Date: 9/22/2021 **Total Samples:** 1 **Surveyed:** 1

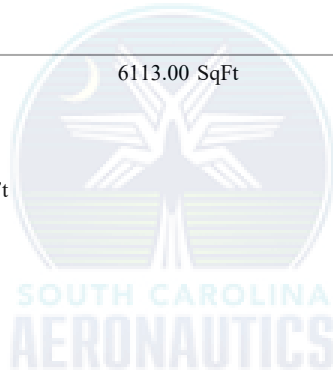
Conditions: PCI: 73

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 6113.00 SqFt **PCI:** 73

Sample Comments:

48 L & T CR L 573.00 Ft
57 WEATHERING L 6113.00 SqFt





Kimley»»Horn