



SOUTH CAROLINA AERONAUTICS COMMISSION

STATEWIDE AIRFIELD PAVEMENT MANAGEMENT SYSTEM UPDATE

 FDW - Fairfield County Airport



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2022



Contents

Overview	3
Introduction	3
System Inventory	4
Functional Evaluation	7
Pavement Condition Index.....	7
Critical PCI.....	8
PCI Results Summary	8
Pavement Condition Forecast	10
M&R Overview	14
Localized Maintenance and Repair.....	15
Major Rehabilitation Needs.....	15
Appendix A – Exhibits	A-1
Appendix B – Analysis Tables.....	B-1
Appendix C – Maintenance and Rehabilitation Tables	C-1
Appendix D – Detailed PCI Results.....	D-1
Appendix E – Re-Inspection Report	E-1

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 Fairfield County Airport (FDW).

Figure 1 – Airport Layout



System Inventory

The pavements at Fairfield County Airport (FDW) include approximately 1.0 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.

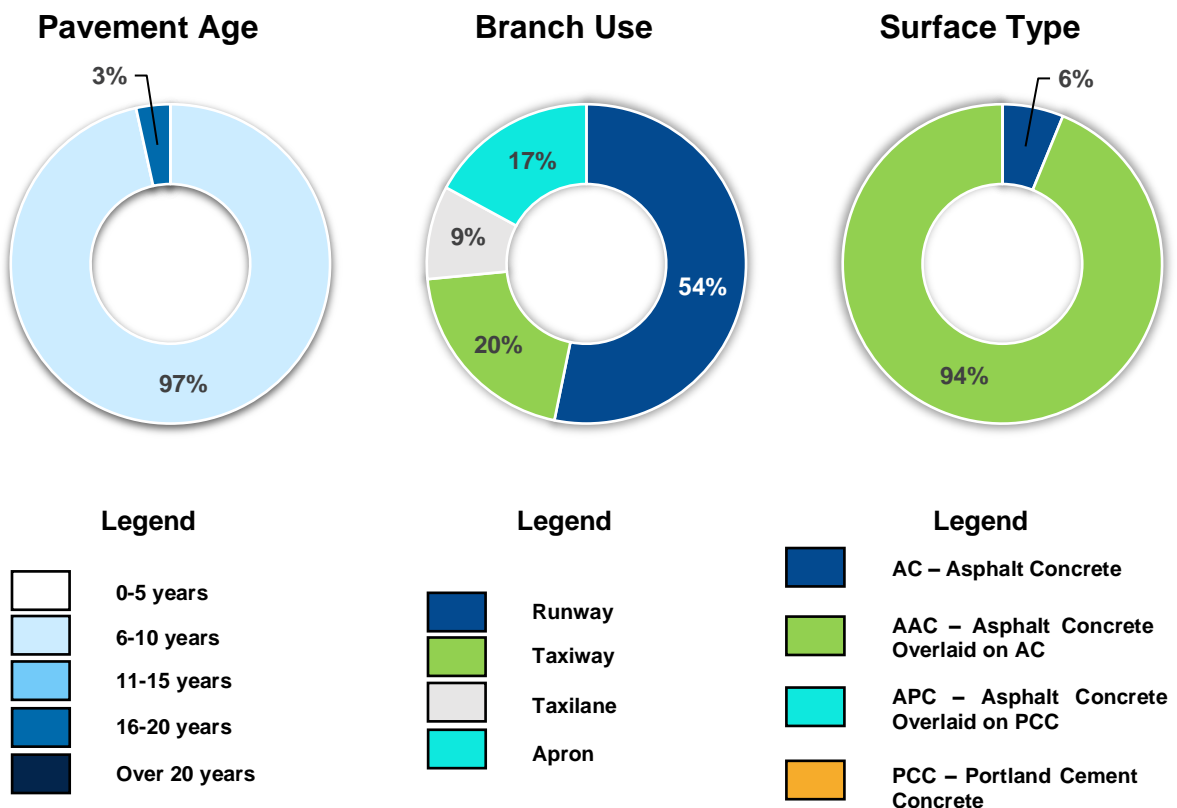
Each pavement update included a review of documentation of any maintenance and major rehabilitation related activities performed on the airfield pavements. The following table summarizes the projects that have occurred since the previous inspection.

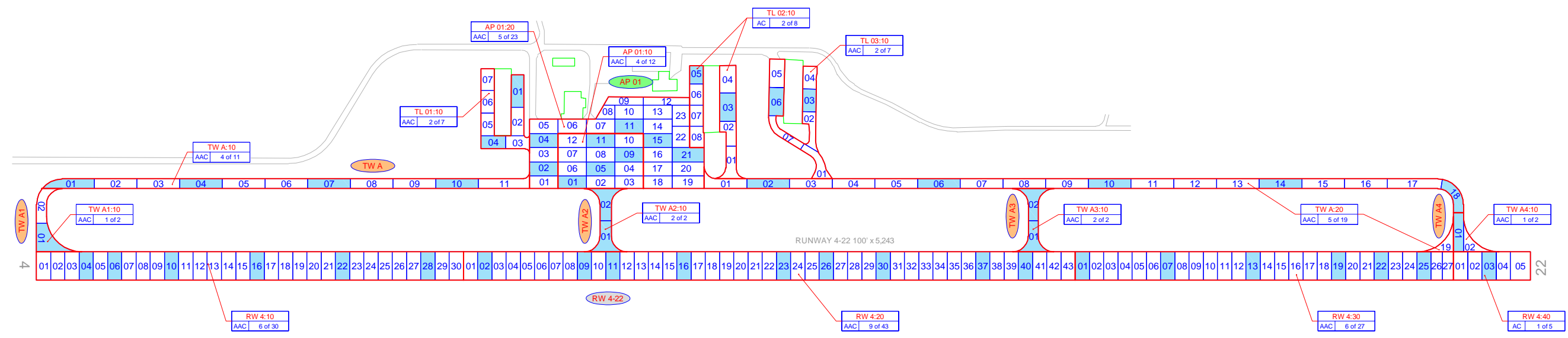
Table 1 - Recent Airfield Pavement Construction

Construction Year	Location	Work Type / Pavement Section
2020	AP 01, RW 4, TL 01, TL 02, TL 03, TW A, TW A1, TW A2, TW A3, and TW A4	Surface Seal - Rejuvenating and Crack Sealing - AC

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

Figure 2 – System Inventory Summary





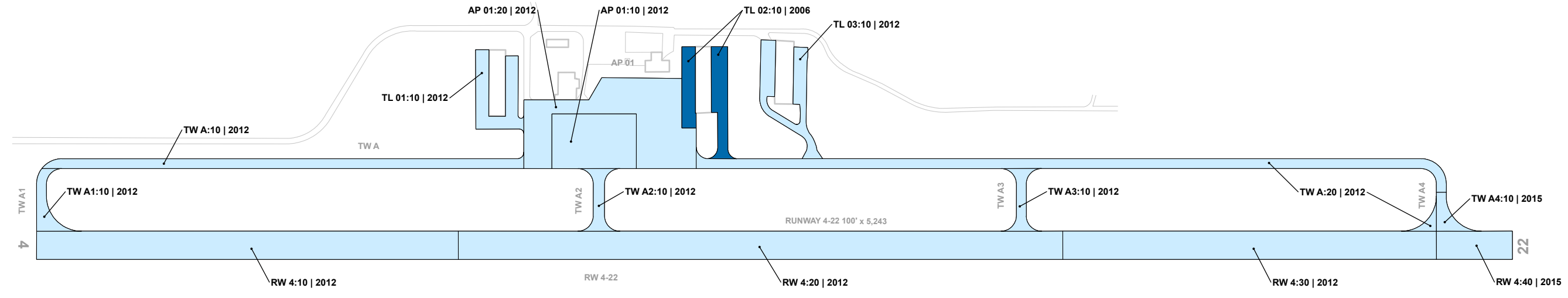
LEGEND

- TYPICAL RUNWAY BRANCH ID
- TYPICAL TAXIWAY BRANCH ID
- TYPICAL APRON BRANCH ID
- PAVEMENT BRANCH ID: SECTION ID
- NUMBER OF SAMPLE UNITS IN SECTION
- NUMBER OF SAMPLE UNITS TO BE INSPECTED
- PAVEMENT SURFACE TYPE
- SECTION NOT INSPECTED DUE TO RECENT CONSTRUCTION. SEE ESTIMATED AGE EXHIBIT FOR CONSTRUCTION DATES.
- SECTION NOT INSPECTED DUE TO RECENT CONSTRUCTION. SEE ESTIMATED AGE EXHIBIT FOR CONSTRUCTION DATES.
- INSPECTED SAMPLE UNITS.

TOTAL SAMPLES INSPECTED = 52
AC: 52 PCC: 0

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



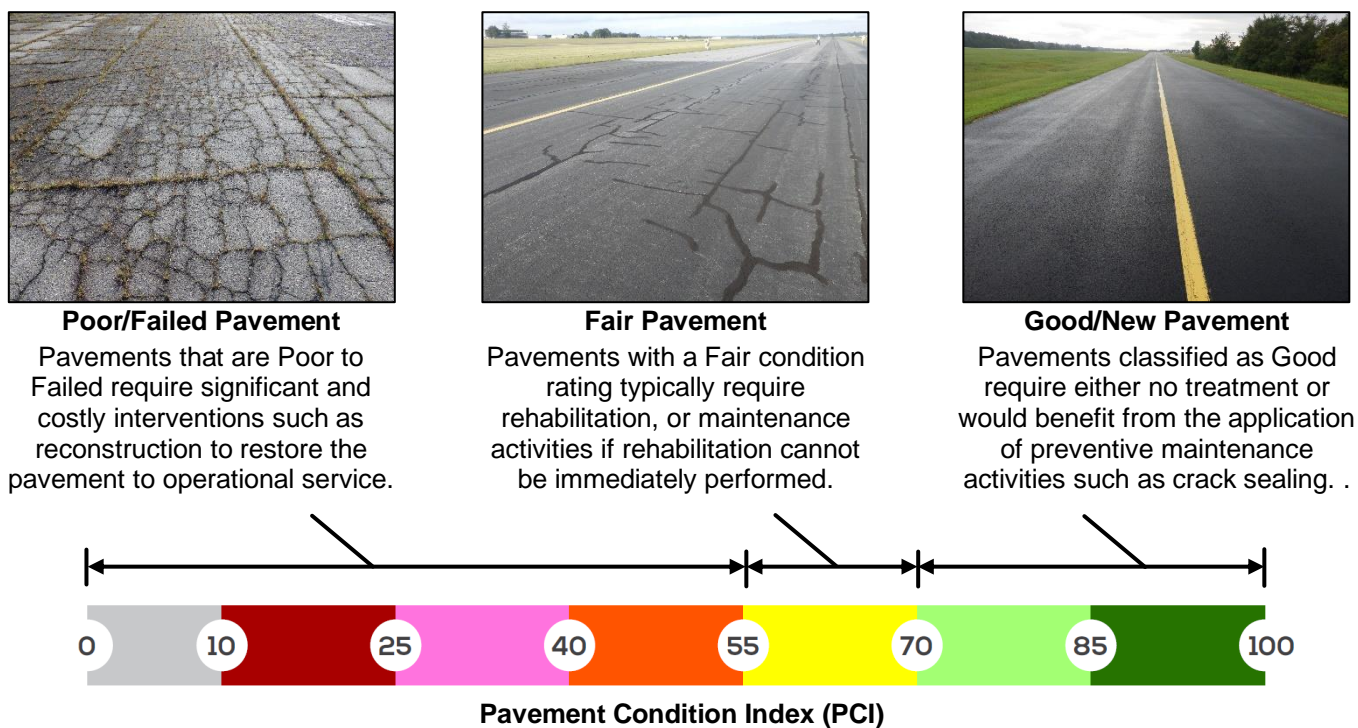
Functional Evaluation

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



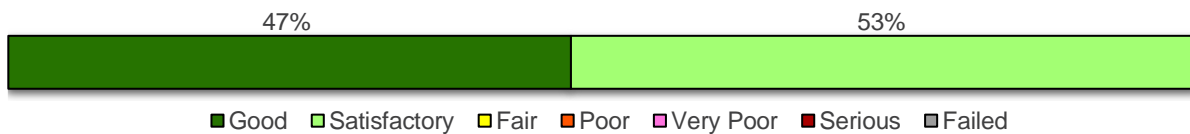
Critical PCI

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

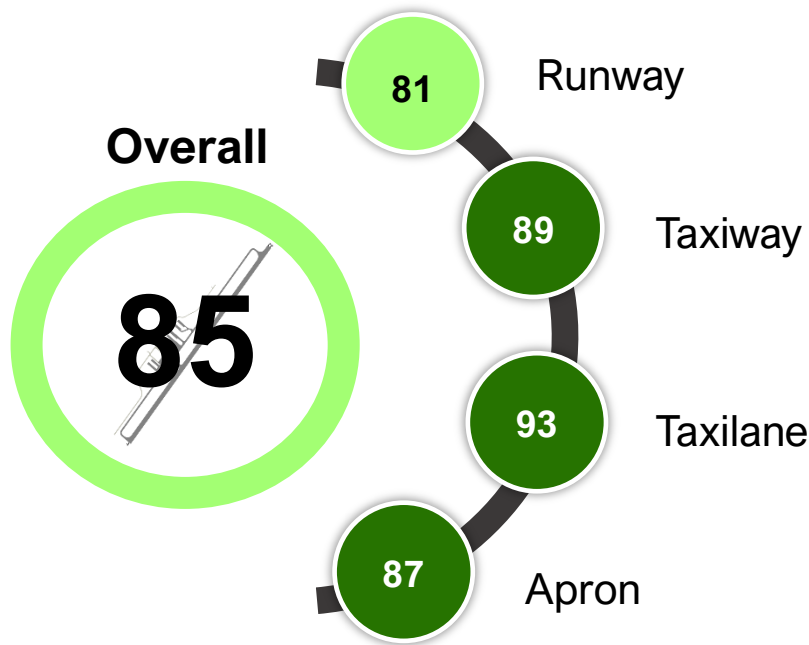
The PCI survey for Fairfield County Airport (FDW) was performed in September 2021. **The overall area-weighted average PCI value of the network was 85**, representing a condition rating of **Satisfactory**. Approximately 100% of inspected pavements are in Good or Satisfactory condition as summarized 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



FDW - Fairfield County Airport

Table 2 – Current Pavement Condition Index Summary - Section

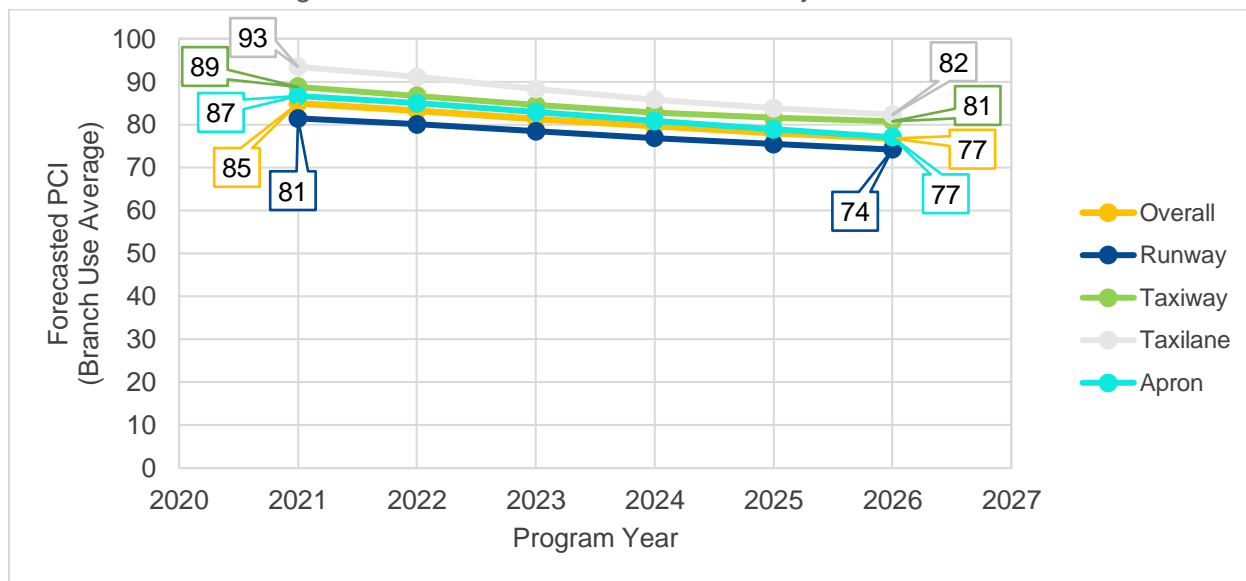
Network ID	Branch ID	Branch Use	Section ID	Area (SF)	Surface	PCI	Condition Rating	PCI % Climate	PCI % Load	PCI % Other
FDW	AP 01	Apron	10	58,200	AAC	86	Good	100	0	0
FDW	AP 01	Apron	20	110,143	AAC	87	Good	84	0	16
FDW	RW 4	Runway	10	150,000	AAC	80	Satisfactory	100	0	0
FDW	RW 4	Runway	20	215,000	AAC	81	Satisfactory	95	0	5
FDW	RW 4	Runway	30	132,900	AAC	80	Satisfactory	100	0	0
FDW	RW 4	Runway	40	27,000	AC	100	Good	42	58	0
FDW	TL 01	Taxilane	10	28,404	AAC	96	Good	100	0	0
FDW	TL 02	Taxilane	10	34,079	AC	89	Good	64	0	36
FDW	TL 03	Taxilane	10	30,812	AAC	96	Good	100	0	0
FDW	TW A	Taxiway	10	59,359	AAC	89	Good	100	0	0
FDW	TW A	Taxiway	20	98,987	AAC	89	Good	100	0	0
FDW	TW A1	Taxiway	10	11,462	AAC	87	Good	100	0	0
FDW	TW A2	Taxiway	10	11,497	AAC	84	Satisfactory	91	0	9
FDW	TW A3	Taxiway	10	10,384	AAC	85	Satisfactory	100	0	0
FDW	TW A4	Taxiway	10	8,170	AAC	98	Good	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 value. 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 FDW.

Figure 6 – Forecasted 5-Year PCI by Branch Use



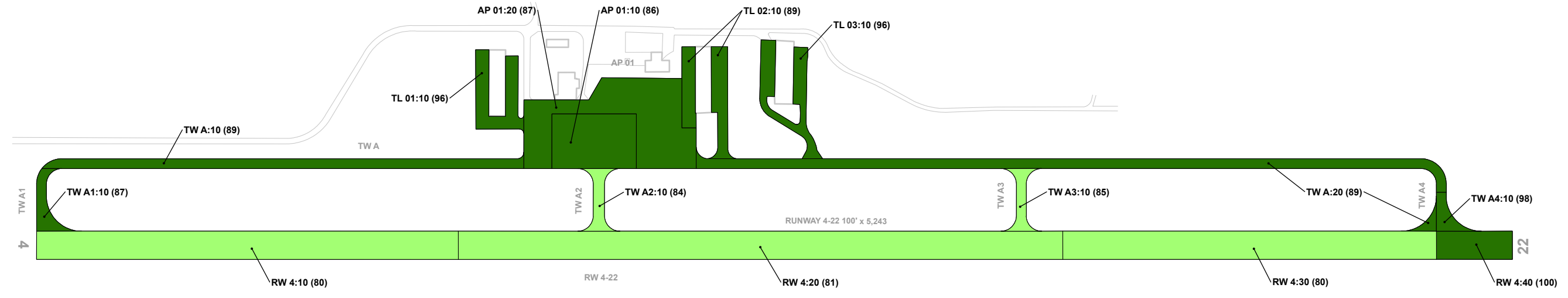
All condition forecasts are based on historical observations and analysis of South Carolina airfield pavements. The forecasts are not a guarantee of future PCI:- rather, they are a planning tool to aid in the timing of maintenance and rehabilitation activities.



FDW - Fairfield County Airport

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
FDW	AP 01	10	86	84	82	80	78	77
FDW	AP 01	20	87	85	83	81	79	77
FDW	RW 4	10	80	79	77	76	74	73
FDW	RW 4	20	81	80	78	76	75	74
FDW	RW 4	30	80	79	77	76	74	73
FDW	RW 4	40	100	99	97	95	92	90
FDW	TL 01	10	96	94	90	88	85	83
FDW	TL 02	10	89	87	85	83	82	81
FDW	TL 03	10	96	94	90	88	85	83
FDW	TW A	10	89	87	85	83	82	81
FDW	TW A	20	89	87	85	83	82	81
FDW	TW A1	10	87	85	83	82	81	80
FDW	TW A2	10	84	83	81	81	80	80
FDW	TW A3	10	85	84	82	81	80	80
FDW	TW A4	10	98	96	93	89	87	84



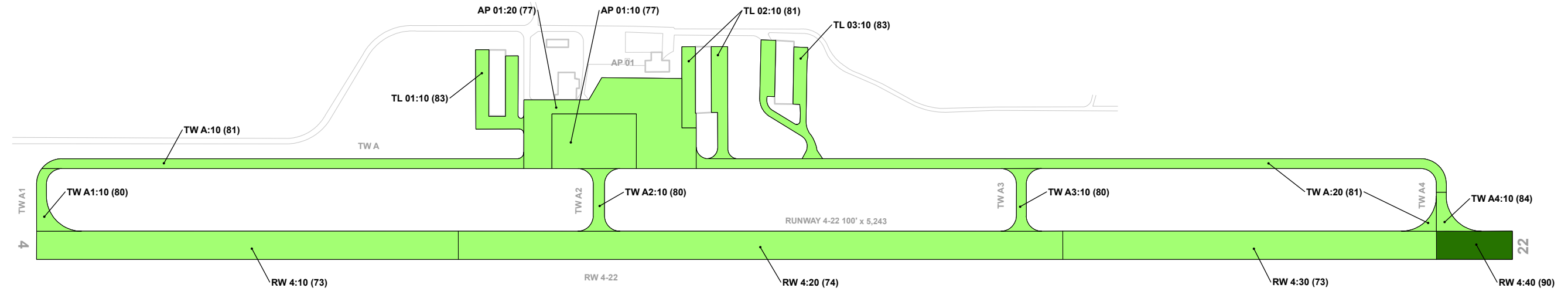
Legend

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



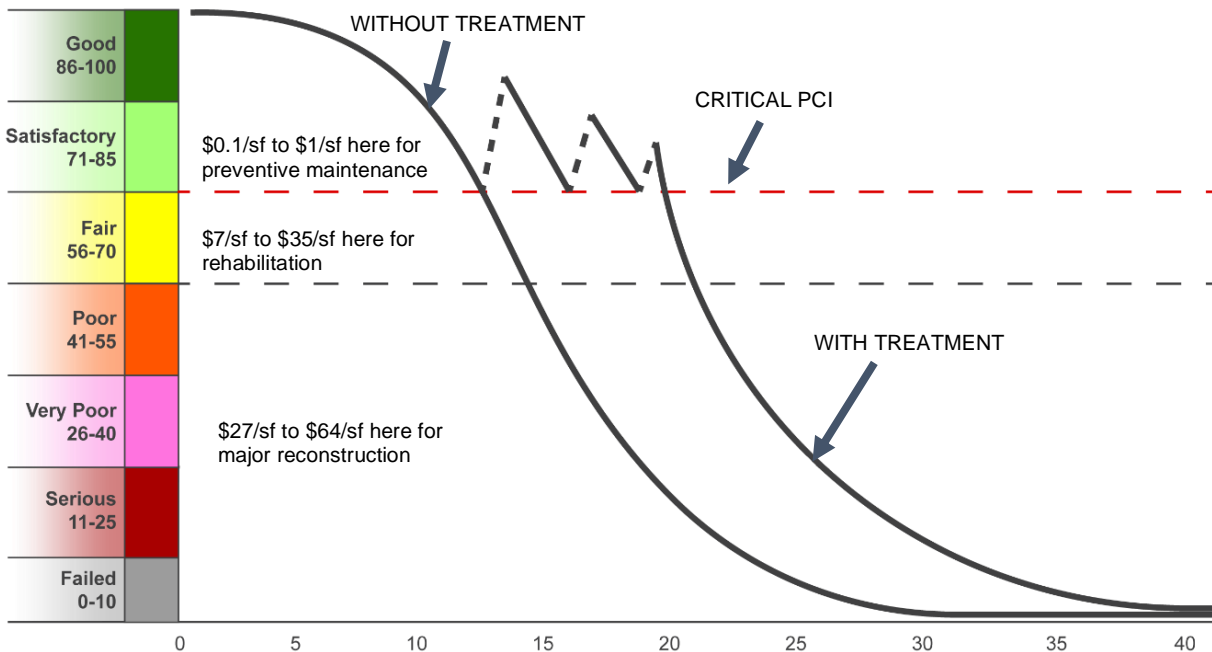
M&R Overview

An analysis was performed to assess the pavement maintenance and rehabilitation (M&R) needs at FDW 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	50,029	LF	\$ 200,200
	Surface Seal	2,120	SF	\$ 1,920
	AC Full-Depth Patching	62	SF	\$ 1,350
<i>Localized Preventive Maintenance Total =</i>				\$ 203,470
Localized Stopgap Maintenance	N/A	-	-	\$ -
<i>Localized Stopgap Maintenance Total =</i>				\$ -
<i>Total Planning-Level Localized Maintenance Needs =</i>				\$ 203,470

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:

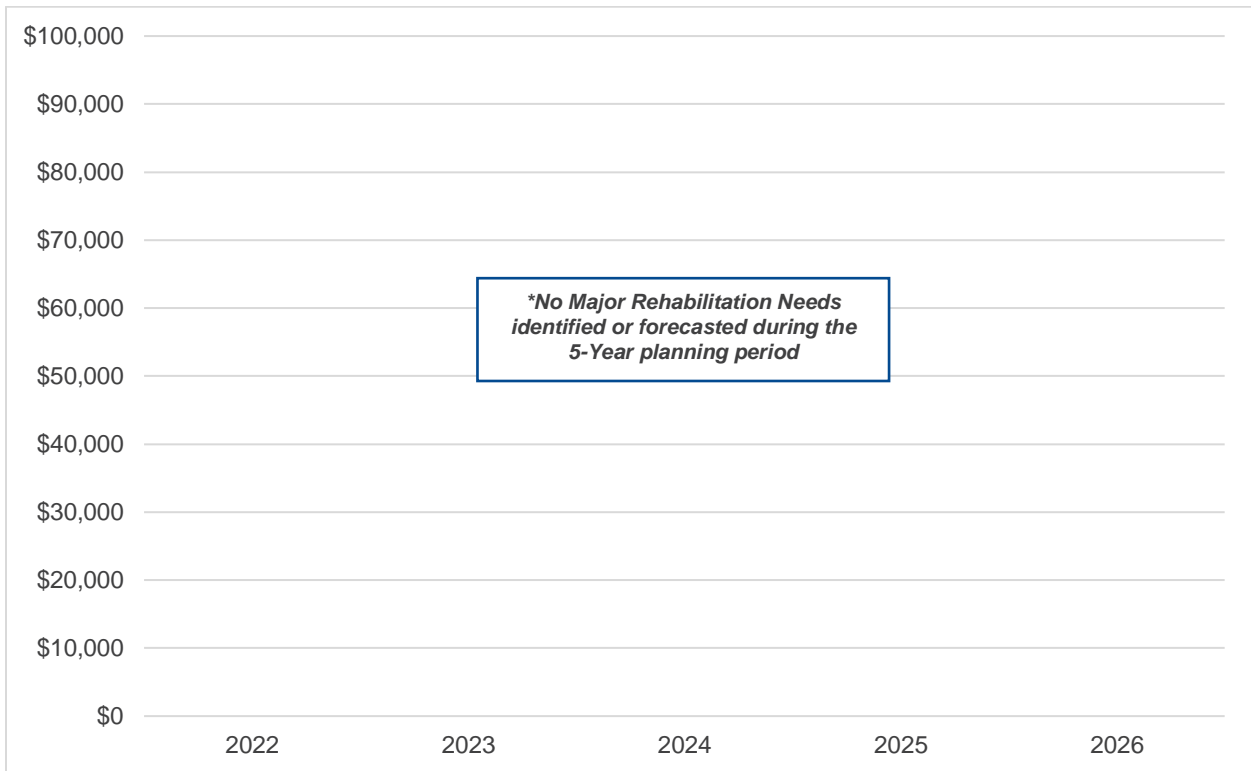
- **Intermediate Major Rehabilitation (PCI 56 to 70)** –
 - **AC:** Milling of the upper surface course and replacing with new AC with isolated areas of full-depth reconstruction
 - **PCC:** Combination of crack sealing, joint seal replacement, limited patching, and slab replacement
- **Full-Depth Reconstruction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

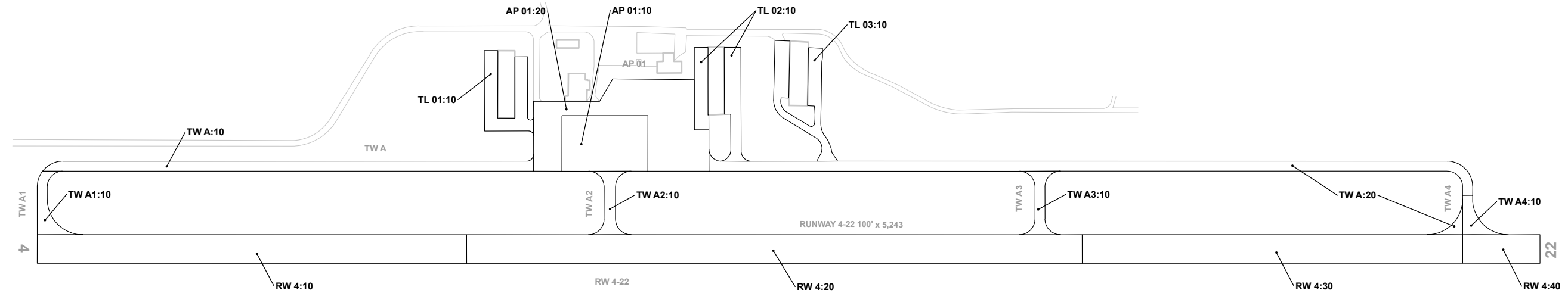
The 5-year major rehabilitation needs analysis at FDW resulted in no major rehabilitation needs for the 5-year analysis duration. The **5-Year Major Rehabilitation Needs Exhibit** graphically depicts the major rehabilitation needs at a section-level which are also summarized in **Table 5** with rounded costs. Annual needs are displayed graphically in **Figure 8**.

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	
<i>*No Major Rehabilitation Needs identified or forecasted during the 5-Year planning period</i>									
<i>Total 5-Year Major Rehabilitation Needs =</i>								\$	-

Figure 8 – 5-Year Major Rehabilitation Needs by Program Year





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

M&R COST
 BRANCH IDENTIFIER
 SECTION IDENTIFIER
TWA:20 M&R WORK TYPE
\$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.



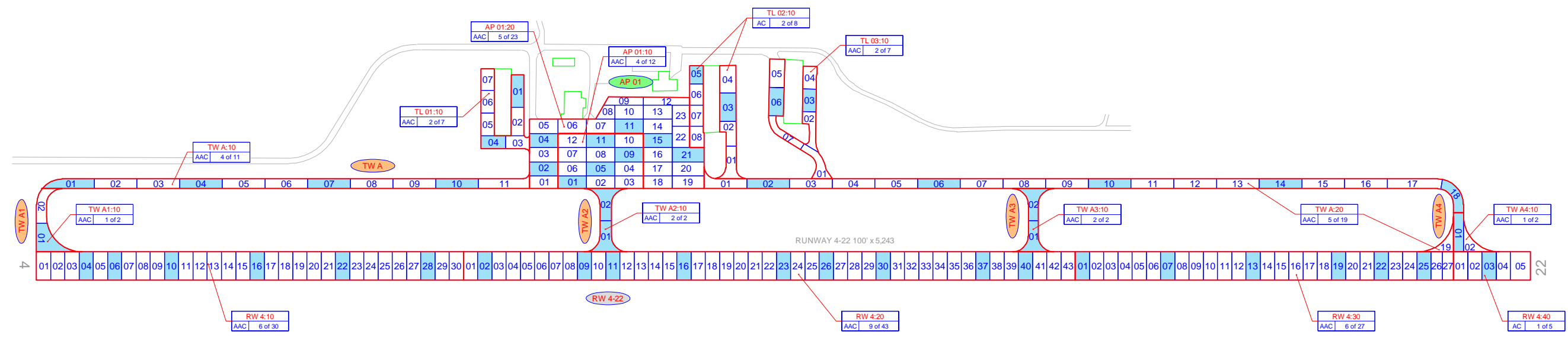
SECTION I

Appendices





Appendix A – Exhibits



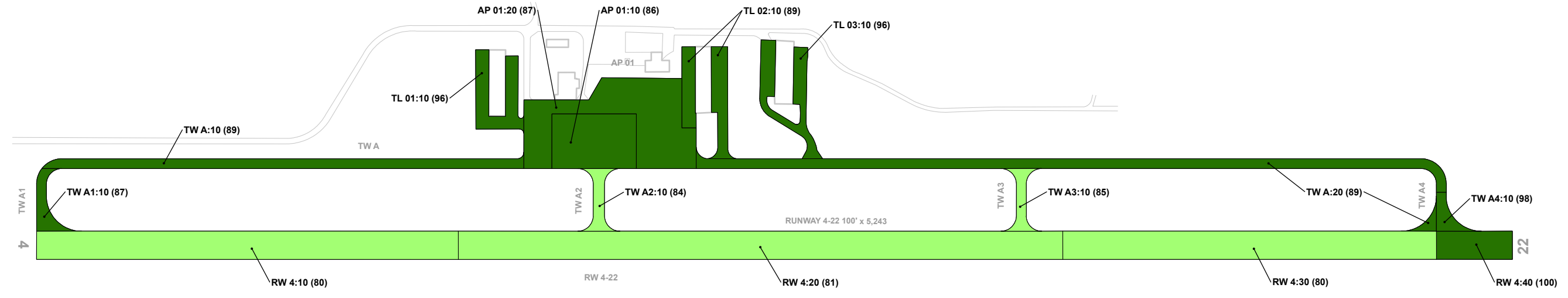
LEGEND

- TYPICAL RUNWAY BRANCH ID
- TYPICAL TAXIWAY BRANCH ID
- TYPICAL APRON BRANCH ID
- PAVEMENT BRANCH ID: SECTION ID
NUMBER OF SAMPLE UNITS IN SECTION
NUMBER OF SAMPLE UNITS TO BE INSPECTED
PAVEMENT SURFACE TYPE
- SECTION NOT INSPECTED DUE TO RECENT CONSTRUCTION. SEE ESTIMATED AGE EXHIBIT FOR CONSTRUCTION DATES.
- INSPECTED SAMPLE UNITS.

TOTAL SAMPLES INSPECTED = 52
AC: 52 PCC: 0

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





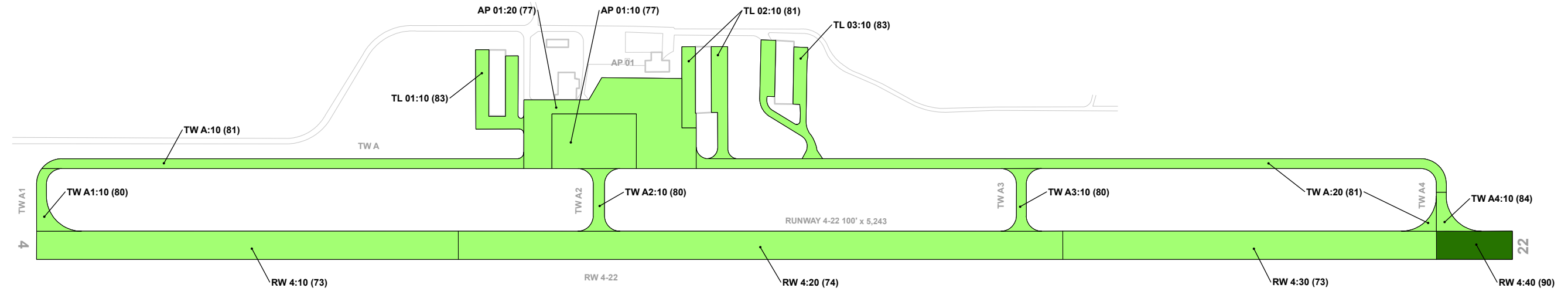
Legend

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





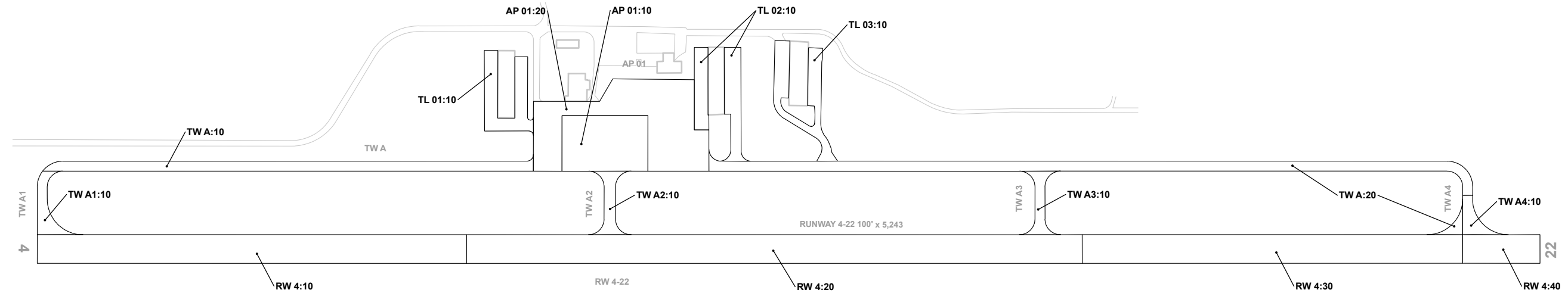
Legend

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





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

M&R COST
 BRANCH IDENTIFIER
 SECTION IDENTIFIER
TWA:20 M&R WORK TYPE
\$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

FDW - Fairfield County Airport

Table B1 – System Inventory Data - Section

Network ID	Branch ID	Branch Use	Section ID	Area (SF)	Surface Type	Estimate of Last Construction Date
FDW	AP 01	Apron	10	58,200	AAC	1/1/2012
FDW	AP 01	Apron	20	110,143	AAC	1/1/2012
FDW	RW 4	Runway	10	150,000	AAC	1/1/2012
FDW	RW 4	Runway	20	215,000	AAC	1/1/2012
FDW	RW 4	Runway	30	132,900	AAC	1/1/2012
FDW	RW 4	Runway	40	27,000	AC	6/1/2015
FDW	TL 01	Taxilane	10	28,404	AAC	1/1/2012
FDW	TL 02	Taxilane	10	34,079	AC	1/1/2006
FDW	TL 03	Taxilane	10	30,812	AAC	1/1/2012
FDW	TW A	Taxiway	10	59,359	AAC	1/1/2012
FDW	TW A	Taxiway	20	98,987	AAC	1/1/2012
FDW	TW A1	Taxiway	10	11,462	AAC	1/1/2012
FDW	TW A2	Taxiway	10	11,497	AAC	1/1/2012
FDW	TW A3	Taxiway	10	10,384	AAC	1/1/2012
FDW	TW A4	Taxiway	10	8,170	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	2	168,343	87	Good
RW 4	Runway	4	524,900	81	Satisfactory
TL 01	Taxilane	1	28,404	96	Good
TL 02	Taxilane	1	34,079	89	Good
TL 03	Taxilane	1	30,812	96	Good
TW A	Taxiway	2	158,346	89	Good
TW A1	Taxiway	1	11,462	87	Good
TW A2	Taxiway	1	11,497	84	Satisfactory
TW A3	Taxiway	1	10,384	85	Satisfactory
TW A4	Taxiway	1	8,170	98	Good



STATEWIDE AIRFIELD PAVEMENT MANAGEMENT SYSTEM UPDATE

FDW - Fairfield County Airport

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
FDW	AP 01	Apron	10	58,200	AAC	86	Good	100	0	0	4	12
FDW	AP 01	Apron	20	110,143	AAC	87	Good	84	0	16	5	23
FDW	RW 4	Runway	10	150,000	AAC	80	Satisfactory	100	0	0	6	30
FDW	RW 4	Runway	20	215,000	AAC	81	Satisfactory	95	0	5	9	43
FDW	RW 4	Runway	30	132,900	AAC	80	Satisfactory	100	0	0	6	27
FDW	RW 4	Runway	40	27,000	AC	100	Good	42	58	0	1	5
FDW	TL 01	Taxilane	10	28,404	AAC	96	Good	100	0	0	2	7
FDW	TL 02	Taxilane	10	34,079	AC	89	Good	64	0	36	2	8
FDW	TL 03	Taxilane	10	30,812	AAC	96	Good	100	0	0	2	7
FDW	TW A	Taxiway	10	59,359	AAC	89	Good	100	0	0	4	11
FDW	TW A	Taxiway	20	98,987	AAC	89	Good	100	0	0	5	19
FDW	TW A1	Taxiway	10	11,462	AAC	87	Good	100	0	0	1	2
FDW	TW A2	Taxiway	10	11,497	AAC	84	Satisfactory	91	0	9	2	2
FDW	TW A3	Taxiway	10	10,384	AAC	85	Satisfactory	100	0	0	2	2
FDW	TW A4	Taxiway	10	8,170	AAC	98	Good	100	0	0	1	2



FDW - Fairfield County Airport

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
FDW	AP 01	10	86	84	82	80	78	77
FDW	AP 01	20	87	85	83	81	79	77
FDW	RW 4	10	80	79	77	76	74	73
FDW	RW 4	20	81	80	78	76	75	74
FDW	RW 4	30	80	79	77	76	74	73
FDW	RW 4	40	100	99	97	95	92	90
FDW	TL 01	10	96	94	90	88	85	83
FDW	TL 02	10	89	87	85	83	82	81
FDW	TL 03	10	96	94	90	88	85	83
FDW	TW A	10	89	87	85	83	82	81
FDW	TW A	20	89	87	85	83	82	81
FDW	TW A1	10	87	85	83	82	81	80
FDW	TW A2	10	84	83	81	81	80	80
FDW	TW A3	10	85	84	82	81	80	80
FDW	TW A4	10	98	96	93	89	87	84



Appendix C – Maintenance and Rehabilitation Tables



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	50,029	LF	\$ 200,200
	Surface Seal	2,120	SF	\$ 1,920
	AC Full-Depth Patching	62	SF	\$ 1,350
Localized Preventive Maintenance Total =				\$ 203,470
Localized Stopgap Maintenance	N/A	-	-	\$ -
Localized Stopgap Maintenance Total =				\$ -
Total Planning-Level Localized Maintenance Needs =				\$ 203,470

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

Network ID	Branch ID	Section ID	Area (SF)	Start PCI	End PCI	Cost
FDW	AP 01	10	58,200	86	86	\$ 11,260
FDW	AP 01	20	110,143	87	87	\$ 17,500
FDW	RW 4	10	150,000	80	80	\$ 43,600
FDW	RW 4	20	215,000	81	81	\$ 61,830
FDW	RW 4	30	132,900	80	80	\$ 37,550
FDW	RW 4	40	27,000	100	100	\$ -
FDW	TL 01	10	28,404	96	96	\$ 470
FDW	TL 02	10	34,079	89	89	\$ 3,250
FDW	TL 03	10	30,812	96	96	\$ 570
FDW	TW A	10	59,359	89	89	\$ 8,180
FDW	TW A	20	98,987	89	89	\$ 12,980
FDW	TW A1	10	11,462	87	87	\$ 1,930
FDW	TW A2	10	11,497	84	84	\$ 2,220
FDW	TW A3	10	10,384	85	85	\$ 2,090
FDW	TW A4	10	8,170	98	98	\$ 30



STATEWIDE AIRFIELD PAVEMENT MANAGEMENT SYSTEM UPDATE

FDW - Fairfield County Airport

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
FDW	AP 01	10	L & T CR	Low	2,814	LF	4.8%	Preventive	AC Crack Sealing Narrow	2,814	LF	\$ 4.00	\$ 11,260
FDW	AP 01	20	L & T CR	Low	4,036	LF	3.7%	Preventive	AC Crack Sealing Narrow	4,036	LF	\$ 4.00	\$ 16,150
FDW	AP 01	20	OIL SPILLAGE	N/A	34	SF	0.0%	Preventive	AC Full-Depth Patching	62	SF	\$ 21.75	\$ 1,350
FDW	RW 4	10	L & T CR	Low	10,765	LF	7.2%	Preventive	AC Crack Sealing Narrow	10,765	LF	\$ 4.00	\$ 43,070
FDW	RW 4	10	PATCHING	Low	500	SF	0.3%	Preventive	Surface Seal	594	SF	\$ 0.90	\$ 540
FDW	RW 4	20	L & T CR	Low	15,456	LF	7.2%	Preventive	AC Crack Sealing Narrow	15,456	LF	\$ 4.00	\$ 61,830
FDW	RW 4	30	L & T CR	Low	9,117	LF	6.9%	Preventive	AC Crack Sealing Narrow	9,117	LF	\$ 4.00	\$ 36,470
FDW	RW 4	30	L & T CR	Medium	66	LF	0.1%	Preventive	AC Crack Sealing Narrow	67	LF	\$ 4.00	\$ 270
FDW	RW 4	30	PATCHING	Low	780	SF	0.6%	Preventive	Surface Seal	896	SF	\$ 0.90	\$ 810
FDW	TL 01	10	L & T CR	Low	116	LF	0.4%	Preventive	AC Crack Sealing Narrow	116	LF	\$ 4.00	\$ 470
FDW	TL 02	10	L & T CR	Low	811	LF	2.4%	Preventive	AC Crack Sealing Narrow	811	LF	\$ 4.00	\$ 3,250
FDW	TL 03	10	PATCHING	Low	532	SF	1.7%	Preventive	Surface Seal	630	SF	\$ 0.90	\$ 570
FDW	TW A	10	L & T CR	Low	2,043	LF	3.4%	Preventive	AC Crack Sealing Narrow	2,043	LF	\$ 4.00	\$ 8,180
FDW	TW A	20	L & T CR	Low	3,243	LF	3.3%	Preventive	AC Crack Sealing Narrow	3,243	LF	\$ 4.00	\$ 12,980
FDW	TW A1	10	L & T CR	Low	482	LF	4.2%	Preventive	AC Crack Sealing Narrow	482	LF	\$ 4.00	\$ 1,930
FDW	TW A2	10	L & T CR	Low	554	LF	4.8%	Preventive	AC Crack Sealing Narrow	554	LF	\$ 4.00	\$ 2,220
FDW	TW A3	10	L & T CR	Low	521	LF	5.0%	Preventive	AC Crack Sealing Narrow	521	LF	\$ 4.00	\$ 2,090
FDW	TW A4	10	L & T CR	Low	5	LF	0.1%	Preventive	AC Crack Sealing Narrow	5	LF	\$ 4.00	\$ 30

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
<i>*No Major Rehabilitation Needs identified or forecasted during the 5-Year planning period</i>								
Total 5-Year Major Rehabilitation Needs =								\$ -



Appendix D – Detailed PCI Results

AP 01

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
AP 01	APRON	2	168,343	87	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	58,200	AAC	2012	2020	86	Good	100	0	0
20	110,143	AAC	2012	2020	87	Good	84	0	16



AP 01-10



AP 01-20

RW 4

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
RW 4	RUNWAY	4	524,900	81	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
10	150,000	AAC	2012	2020	80	Satisfactory	100	0	0
20	215,000	AAC	2012	2020	81	Satisfactory	95	0	5
30	132,900	AAC	2012	2020	80	Satisfactory	100	0	0
40	27,000	AC	2015	2020	100	Good	42	58	0



RW 4-10



RW 4-20



RW 4-30

TL 01

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TL 01	TAXILANE	1	28,404	96	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	28,404	AAC	2012	2020	96	Good	100	0	0



TL 01-10



TL 01-10

TL 02

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TL 02	TAXILANE	1	34,079	89	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	34,079	AC	2006	2020	89	Good	64	0	36



TL 02-10



TL 02-10

TL 03

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TL 03	TAXILANE	1	30,812	96	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	30,812	AAC	2012	2020	96	Good	100	0	0



TL 03-10

TW A

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TW A	TAXIWAY	2	158,346	89	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	59,359	AAC	2012	2020	89	Good	100	0	0
20	98,987	AAC	2012	2020	89	Good	100	0	0



TW A-10



TW A-20

TW A1

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TW A1	TAXIWAY	1	11,462	87	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	11,462	AAC	2012	2020	87	Good	100	0	0



TW A1-10



TW A1-10

TW A2

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TW A2	TAXIWAY	1	11,497	84	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
10	11,497	AAC	2012	2020	84	Satisfactory	91	0	9



TW A2-10



TW A2-10

TW A3

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TW A3	TAXIWAY	1	10,384	85	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
10	10,384	AAC	2012	2020	85	Satisfactory	100	0	0



TW A3-10



TW A3-10

TW A4

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TW A4	TAXIWAY	1	8,170	98	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	8,170	AAC	2015	2020	98	Good	100	0	0



Appendix E – Re-Inspection Report

Re-Inspection Report

SCAC_2021

Generated Date

5/29/2022

Page 1 of 16

Network: FDW **Name:** Fairfield County Airport

Branch: AP 01 **Name:** MAIN APRON **Use:** APRON **Area:** 168,343 SqFt

Section: 10 of 2 **From:** - **To:** - **Last Const.:** 1/1/2012

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

Area: 58,200 SqFt **Length:** 300 Ft **Width:** 200 Ft

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

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

Section Comments:

Work Date: 8/1/1974 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

Work Date: 8/1/1974 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

Work Date: 8/1/1992 **Work Type:** New Construction - Initial **Code:** NU-IN **Is Major M&R:** True

Work Date: 8/1/1992 **Work Type:** Surface Course - AC (Layer Construct) **Code:** LC-AC **Is Major M&R:** False

Work Date: 8/1/1992 **Work Type:** Surface Course - AC (Layer Construct) **Code:** LC-AC **Is Major M&R:** False

Work Date: 1/1/2012 **Work Type:** Overlay - AC Structural **Code:** OL-AS **Is Major M&R:** True

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

Work Date: 1/1/2020 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Last Insp. Date: 9/21/2021 **Total Samples:** 12 **Surveyed:** 4

Conditions: PCI: 86

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 4400.00 SqFt **PCI:** 86

Sample Comments:

48 L & T CR L 206.00 Ft

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

Sample Comments:

48 L & T CR L 454.00 Ft

Sample Number: 09 **Type:** R **Area:** 5000.00 SqFt **PCI:** 85

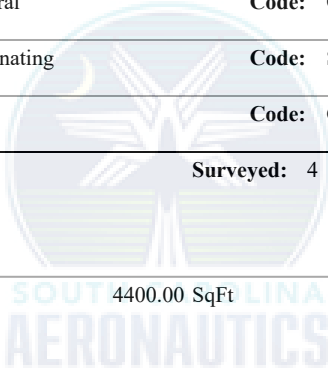
Sample Comments:

48 L & T CR L 257.00 Ft

Sample Number: 11 **Type:** R **Area:** 5000.00 SqFt **PCI:** 96

Sample Comments:

48 L & T CR L 21.00 Ft



Network: FDW **Name:** Fairfield County Airport

Branch: AP 01 **Name:** MAIN APRON **Use:** APRON **Area:** 168,343 SqFt

Section: 20 of 2 **From:** - **To:** - **Last Const.:** 1/1/2012

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

Area: 110,143 SqFt **Length:** 615 Ft **Width:** 250 Ft

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

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

Section Comments:

Work Date: 8/1/1992 **Work Type:** Subbase - Aggregate **Code:** SB-AG **Is Major M&R:** False

Work Date: 8/1/1992 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

Work Date: 8/1/1992 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

Work Date: 8/1/1992 **Work Type:** New Construction - Initial **Code:** NU-IN **Is Major M&R:** True

Work Date: 1/1/2012 **Work Type:** Overlay - AC Structural **Code:** OL-AS **Is Major M&R:** True

Work Date: 1/1/2020 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

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

Last Insp. Date: 9/21/2021 **TotalSamples:** 23 **Surveyed:** 5

Conditions: PCI: 87

Inspection Comments:

Sample Number: 02 **Type:** R **Area:** 5000.00 SqFt **PCI:** 79

Sample Comments:

45 DEPRESSION L 24.00 SqFt

48 L & T CR L 320.00 Ft

Sample Number: 04 **Type:** R **Area:** 5000.00 SqFt **PCI:** 89

Sample Comments:

48 L & T CR L 159.00 Ft

Sample Number: 11 **Type:** R **Area:** 5000.00 SqFt **PCI:** 87

Sample Comments:

48 L & T CR L 165.00 Ft

49 OIL SPILLAGE N 8.00 SqFt

Sample Number: 15 **Type:** R **Area:** 5000.00 SqFt **PCI:** 92

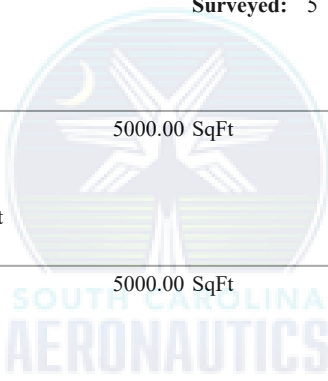
Sample Comments:

48 L & T CR L 108.00 Ft

Sample Number: 21 **Type:** R **Area:** 5650.00 SqFt **PCI:** 89

Sample Comments:

48 L & T CR L 188.00 Ft



Network:	FDW	Name:	Fairfield County Airport						
Branch:	RW 4	Name:	RUNWAY 4/22	Use:	RUNWAY	Area:	524,900 SqFt		
Section:	10	of	4	From:	-	To:	-	Last Const.:	1/1/2012
Surface:	AAC	Family:	SC III & IV-RW-AC	Zone:		Category:	G	Rank:	P
Area:	150,000 SqFt	Length:	1,500 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:	8/1/1992	Work Type:	Base Course - Aggregate	Code:	BA-AG	Is Major M&R:	False		
Work Date:	8/1/1992	Work Type:	New Construction - Initial	Code:	NU-IN	Is Major M&R:	True		
Work Date:	8/1/1992	Work Type:	Surface Course - AC (Layer Construct)	Code:	SU-AC	Is Major M&R:	False		
Work Date:	8/1/1992	Work Type:	Subbase - Aggregate	Code:	SB-AG	Is Major M&R:	False		
Work Date:	6/1/1997	Work Type:	Crack Sealing - AC	Code:	CS-AC	Is Major M&R:	False		
Work Date:	1/1/2012	Work Type:	Overlay - AC Structural	Code:	OL-AS	Is Major M&R:	True		
Work Date:	1/1/2020	Work Type:	Crack Sealing - AC	Code:	CS-AC	Is Major M&R:	False		
Work Date:	1/1/2020	Work Type:	Surface Seal - Rejuvenating	Code:	SS-RE	Is Major M&R:	False		

Last Insp. Date: 9/21/2021 **TotalSamples:** 30 **Surveyed:** 6

Conditions: PCI: 80

Inspection Comments:

Sample Number: 04 **Type:** R **Area:** 5000.00 SqFt **PCI:** 81

Sample Comments:

48 L & T CR L 350.00 Ft

Sample Number: 06 **Type:** R **Area:** 5000.00 SqFt **PCI:** 77

Sample Comments:

48 L & T CR L 326.00 Ft
50 PATCHING L 100.00 SqFt

Sample Number: 10 **Type:** R **Area:** 5000.00 SqFt **PCI:** 80

Sample Comments:

48 L & T CR L 394.00 Ft

Sample Number: 16 **Type:** R **Area:** 5000.00 SqFt **PCI:** 81

Sample Comments:

48 L & T CR L 350.00 Ft

Sample Number: 22 **Type:** R **Area:** 5000.00 SqFt **PCI:** 81

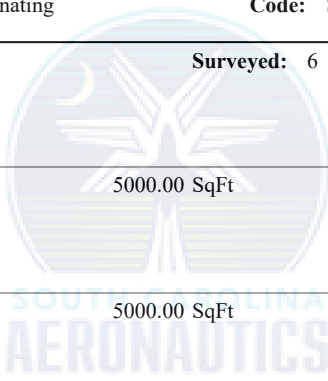
Sample Comments:

48 L & T CR L 368.00 Ft

Sample Number: 28 **Type:** R **Area:** 5000.00 SqFt **PCI:** 81

Sample Comments:

48 L & T CR L 365.00 Ft



Network:	FDW	Name:	Fairfield County Airport				
Branch:	RW 4	Name:	RUNWAY 4/22	Use:	RUNWAY	Area:	524,900 SqFt
Section:	20	of 4	From:	-	To:	-	Last Const.: 1/1/2012
Surface:	AAC	Family:	SC III & IV-RW-AC	Zone:		Category:	G
Area:	215,000 SqFt	Length:	2,150 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:	8/1/1974	Work Type:	Base Course - Aggregate	Code:	BA-AG	Is Major M&R:	False
Work Date:	8/1/1974	Work Type:	Surface Course - AC (Layer Construct)	Code:	SU-AC	Is Major M&R:	False
Work Date:	8/1/1992	Work Type:	New Construction - Initial	Code:	NU-IN	Is Major M&R:	True
Work Date:	8/1/1992	Work Type:	OVERLAY-AC GLOBAL	Code:	OL-AT	Is Major M&R:	False
Work Date:	8/1/1992	Work Type:	Crack Sealing - AC	Code:	CS-AC	Is Major M&R:	False
Work Date:	8/1/1992	Work Type:	OVERLAY-AC GLOBAL	Code:	OL-AT	Is Major M&R:	False
Work Date:	6/1/1997	Work Type:	Crack Sealing - AC	Code:	CS-AC	Is Major M&R:	False
Work Date:	1/1/2012	Work Type:	Overlay - AC Structural	Code:	OL-AS	Is Major M&R:	True
Work Date:	1/1/2020	Work Type:	Surface Seal - Rejuvenating	Code:	SS-RE	Is Major M&R:	False
Work Date:	1/1/2020	Work Type:	Crack Sealing - AC	Code:	CS-AC	Is Major M&R:	False
Last Insp. Date:	9/21/2021	Total Samples:	43	Surveyed:	9		
Conditions:	PCI: 81						
Inspection Comments:							
Sample Number:	02	Type:	R	Area:	5000.00 SqFt	PCI:	79
Sample Comments:							
48	L & T CR	L	412.00 Ft				
Sample Number:	09	Type:	R	Area:	5000.00 SqFt	PCI:	80
Sample Comments:							
48	L & T CR	L	366.00 Ft				
56	SWELLING	L	2.00 SqFt				
Sample Number:	11	Type:	R	Area:	5000.00 SqFt	PCI:	81
Sample Comments:							
48	L & T CR	L	350.00 Ft				
Sample Number:	16	Type:	R	Area:	5000.00 SqFt	PCI:	81
Sample Comments:							
48	L & T CR	L	357.00 Ft				
Sample Number:	23	Type:	R	Area:	5000.00 SqFt	PCI:	81
Sample Comments:							
48	L & T CR	L	350.00 Ft				
Sample Number:	26	Type:	R	Area:	5000.00 SqFt	PCI:	81
Sample Comments:							
48	L & T CR	L	350.00 Ft				
Sample Number:	30	Type:	R	Area:	5000.00 SqFt	PCI:	81
Sample Comments:							
48	L & T CR	L	350.00 Ft				
Sample Number:	37	Type:	R	Area:	5000.00 SqFt	PCI:	81
Sample Comments:							

48 L & T CR L 350.00 Ft

Sample Number: 40 **Type:** R **Area:** 5000.00 SqFt **PCI:** 81

Sample Comments:

48 L & T CR L 350.00 Ft



Network:	FDW	Name:	Fairfield County Airport				
Branch:	RW 4	Name:	RUNWAY 4/22	Use:	RUNWAY	Area:	524,900 SqFt
Section:	30	of 4	From:	-	To:	-	Last Const.: 1/1/2012
Surface:	AAC	Family:	SC III & IV-RW-AC	Zone:		Category:	G
Area:	132,900 SqFt	Length:	1,329 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:	8/1/1992	Work Type:	Surface Course - AC (Layer Construct)	Code:	SU-AC	Is Major M&R:	False
Work Date:	8/1/1992	Work Type:	New Construction - Initial	Code:	NU-IN	Is Major M&R:	True
Work Date:	8/1/1992	Work Type:	Subbase - Aggregate	Code:	SB-AG	Is Major M&R:	False
Work Date:	8/1/1992	Work Type:	Base Course - Aggregate	Code:	BA-AG	Is Major M&R:	False
Work Date:	6/1/1997	Work Type:	Crack Sealing - AC	Code:	CS-AC	Is Major M&R:	False
Work Date:	1/1/2012	Work Type:	Overlay - AC Structural	Code:	OL-AS	Is Major M&R:	True
Work Date:	1/1/2020	Work Type:	Crack Sealing - AC	Code:	CS-AC	Is Major M&R:	False
Work Date:	1/1/2020	Work Type:	Surface Seal - Rejuvenating	Code:	SS-RE	Is Major M&R:	False
Last Insp. Date:	9/21/2021	Total Samples:	27	Surveyed:	6		
Conditions:	PCI: 80						
Inspection Comments:							
Sample Number:	01	Type:	R	Area:	5000.00 SqFt	PCI:	81
Sample Comments:							
48	L & T CR	L	350.00	Ft			
Sample Number:	07	Type:	R	Area:	5000.00 SqFt	PCI:	81
Sample Comments:							
48	L & T CR	L	350.00	Ft			
Sample Number:	13	Type:	R	Area:	5000.00 SqFt	PCI:	76
Sample Comments:							
48	L & T CR	L	350.00	Ft			
50	PATCHING	L	160.00	SqFt			
Sample Number:	19	Type:	R	Area:	5000.00 SqFt	PCI:	81
Sample Comments:							
48	L & T CR	L	350.00	Ft			
Sample Number:	22	Type:	R	Area:	5000.00 SqFt	PCI:	79
Sample Comments:							
48	L & T CR	L	350.00	Ft			
50	PATCHING	L	16.00	SqFt			
Sample Number:	25	Type:	R	Area:	5000.00 SqFt	PCI:	78
Sample Comments:							
48	L & T CR	L	308.00	Ft			
48	L & T CR	M	15.00	Ft			

Network:	FDW	Name:	Fairfield County Airport				
Branch:	RW 4	Name:	RUNWAY 4/22	Use:	RUNWAY	Area:	524,900 SqFt
Section:	40	of 4	From:	-	To:	-	Last Const.: 6/1/2015
Surface:	AC	Family:	SC III & IV-RW-AC	Zone:		Category:	G
Area:	27,000 SqFt	Length:	270 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:	6/1/2015	Work Type:	New Construction - Initial	Code:	NU-IN	Is Major M&R:	True
Work Date:	1/1/2020	Work Type:	Surface Seal - Rejuvenating	Code:	SS-RE	Is Major M&R:	False
Work Date:	1/1/2020	Work Type:	Crack Sealing - AC	Code:	CS-AC	Is Major M&R:	False
Last Insp. Date:	9/21/2021	TotalSamples:	5	Surveyed:	1		
Conditions:	PCI: 100						
Inspection Comments:							
Sample Number:	03	Type:	R	Area:	5000.00 SqFt	PCI:	100
Sample Comments:							
<No Distress>							



Network: FDW **Name:** Fairfield County Airport

Branch: TL 01 **Name:** TAXILANE **Use:** TAXILANE **Area:** 28,404 SqFt

Section: 10 of 1 **From:** - **To:** - **Last Const.:** 1/1/2012

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

Area: 28,404 SqFt **Length:** 284 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: 1/1/2004 **Work Type:** New Construction - Initial **Code:** NU-IN **Is Major M&R:** True

Work Date: 1/1/2012 **Work Type:** Overlay - AC Structural **Code:** OL-AS **Is Major M&R:** True

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

Work Date: 1/1/2020 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Last Insp. Date: 9/21/2021 **TotalSamples:** 7 **Surveyed:** 2

Conditions: PCI: 96

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 5177.00 SqFt **PCI:** 97

Sample Comments:

48 L & T CR L 11.00 Ft

Sample Number: 04 **Type:** R **Area:** 3878.00 SqFt **PCI:** 96

Sample Comments:

48 L & T CR L 26.00 Ft



Network: FDW **Name:** Fairfield County Airport

Branch: TL 02 **Name:** TAXILANE **Use:** TAXILANE **Area:** 34,079 SqFt

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

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

Area: 34,079 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: 1/1/2006 **Work Type:** New Construction - Initial **Code:** NU-IN **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: 1/1/2020 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

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

Last Insp. Date: 9/21/2021 **TotalSamples:** 8 **Surveyed:** 2

Conditions: PCI: 89

Inspection Comments:

Sample Number: 03 **Type:** R **Area:** 5800.00 SqFt **PCI:** 92

Sample Comments:

45 DEPRESSION L 12.00 SqFt

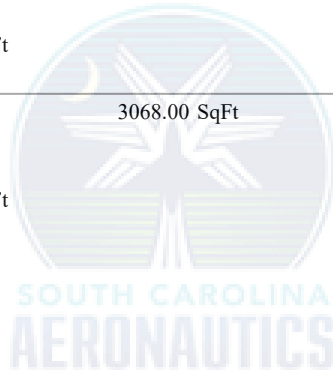
48 L & T CR L 117.00 Ft

Sample Number: 05 **Type:** R **Area:** 3068.00 SqFt **PCI:** 85

Sample Comments:

45 DEPRESSION L 49.00 SqFt

48 L & T CR L 94.00 Ft



Network: FDW **Name:** Fairfield County Airport

Branch: TL 03 **Name:** TAXILANE **Use:** TAXILANE **Area:** 30,812 SqFt

Section: 10 of 1 **From:** - **To:** - **Last Const.:** 1/1/2012

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

Area: 30,812 SqFt **Length:** 300 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: 1/1/2003 **Work Type:** New Construction - Initial **Code:** NU-IN **Is Major M&R:** True

Work Date: 1/1/2012 **Work Type:** Overlay - AC Structural **Code:** OL-AS **Is Major M&R:** True

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

Work Date: 1/1/2020 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Last Insp. Date: 9/21/2021 **TotalSamples:** 7 **Surveyed:** 2

Conditions: PCI: 96

Inspection Comments:

Sample Number: 03 **Type:** R **Area:** 3778.00 SqFt **PCI:** 91

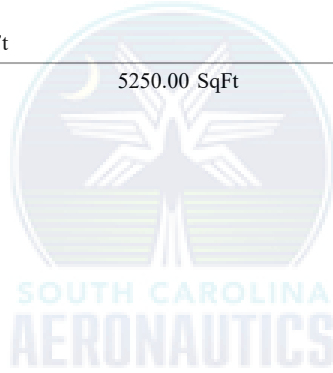
Sample Comments:

50 PATCHING L 156.00 SqFt

Sample Number: 06 **Type:** R **Area:** 5250.00 SqFt **PCI:** 100

Sample Comments:

<No Distress>



Network: FDW **Name:** Fairfield County Airport

Branch: TW A **Name:** TAXIWAY A **Use:** TAXIWAY **Area:** 158,346 SqFt

Section: 10 of 2 **From:** - **To:** - **Last Const.:** 1/1/2012

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

Area: 59,359 SqFt **Length:** 1,695 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: 8/1/1990 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

Work Date: 8/1/1990 **Work Type:** New Construction - Initial **Code:** NU-IN **Is Major M&R:** True

Work Date: 8/1/1990 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

Work Date: 8/1/1990 **Work Type:** Subbase - Aggregate **Code:** SB-AG **Is Major M&R:** False

Work Date: 6/1/1997 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Work Date: 1/1/2012 **Work Type:** Overlay - AC Structural **Code:** OL-AS **Is Major M&R:** True

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

Work Date: 1/1/2020 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Last Insp. Date: 9/21/2021 **TotalSamples:** 11 **Surveyed:** 4

Conditions: PCI: 89

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 5697.00 SqFt **PCI:** 89

Sample Comments:

48 L & T CR L 182.00 Ft

Sample Number: 04 **Type:** R **Area:** 5250.00 SqFt **PCI:** 89

Sample Comments:

48 L & T CR L 178.00 Ft

Sample Number: 07 **Type:** R **Area:** 5250.00 SqFt **PCI:** 89

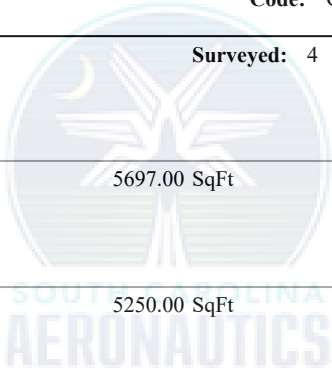
Sample Comments:

48 L & T CR L 176.00 Ft

Sample Number: 10 **Type:** R **Area:** 5250.00 SqFt **PCI:** 88

Sample Comments:

48 L & T CR L 202.00 Ft



Network:	FDW	Name:	Fairfield County Airport						
Branch:	TW A	Name:	TAXIWAY A	Use:	TAXIWAY	Area:	158,346 SqFt		
Section:	20	of	2	From:	-	To:	-	Last Const.:	1/1/2012
Surface:	AAC	Family:	SC III & IV-TW-TL-AC	Zone:		Category:	G	Rank:	P
Area:	98,987 SqFt	Length:	2,848 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:	8/1/1990	Work Type:	New Construction - Initial		Code:	NU-IN	Is Major M&R:	True	
Work Date:	8/1/1990	Work Type:	Surface Course - AC (Layer Construct)		Code:	SU-AC	Is Major M&R:	False	
Work Date:	8/1/1990	Work Type:	Subbase - Aggregate		Code:	SB-AG	Is Major M&R:	False	
Work Date:	8/1/1990	Work Type:	Base Course - Aggregate		Code:	BA-AG	Is Major M&R:	False	
Work Date:	6/1/1997	Work Type:	Crack Sealing - AC		Code:	CS-AC	Is Major M&R:	False	
Work Date:	1/1/2012	Work Type:	Overlay - AC Structural		Code:	OL-AS	Is Major M&R:	True	
Work Date:	1/1/2020	Work Type:	Surface Seal - Rejuvenating		Code:	SS-RE	Is Major M&R:	False	
Work Date:	1/1/2020	Work Type:	Crack Sealing - AC		Code:	CS-AC	Is Major M&R:	False	
Last Insp. Date:	9/21/2021	TotalSamples:	19		Surveyed:	5			
Conditions:	PCI: 89								
Inspection Comments:									
Sample Number:	02	Type:	R	Area:	5250.00 SqFt	PCI:	91		
Sample Comments:									
48	L & T CR	L	139.00 Ft						
Sample Number:	06	Type:	R	Area:	5250.00 SqFt	PCI:	87		
Sample Comments:									
48	L & T CR	L	214.00 Ft						
Sample Number:	10	Type:	R	Area:	5250.00 SqFt	PCI:	84		
Sample Comments:									
48	L & T CR	L	300.00 Ft						
Sample Number:	14	Type:	R	Area:	5250.00 SqFt	PCI:	90		
Sample Comments:									
48	L & T CR	L	150.00 Ft						
Sample Number:	18	Type:	R	Area:	4550.00 SqFt	PCI:	96		
Sample Comments:									
48	L & T CR	L	34.00 Ft						

Network: FDW **Name:** Fairfield County Airport

Branch: TW A1 **Name:** TAXIWAY A1 **Use:** TAXIWAY **Area:** 11,462 SqFt

Section: 10 of 1 **From:** - **To:** - **Last Const.:** 1/1/2012

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

Area: 11,462 SqFt **Length:** 223 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: 8/1/1990 **Work Type:** Subbase - Aggregate **Code:** SB-AG **Is Major M&R:** False

Work Date: 8/1/1990 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

Work Date: 8/1/1990 **Work Type:** New Construction - Initial **Code:** NU-IN **Is Major M&R:** True

Work Date: 8/1/1990 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

Work Date: 6/1/1997 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Work Date: 1/1/2012 **Work Type:** Overlay - AC Structural **Code:** OL-AS **Is Major M&R:** True

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

Work Date: 1/1/2020 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Last Insp. Date: 9/21/2021 **TotalSamples:** 2 **Surveyed:** 1

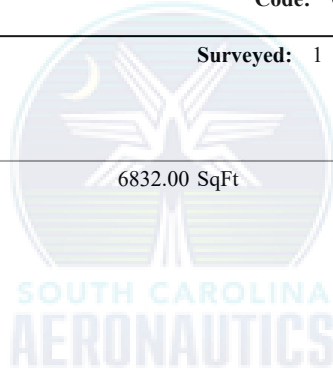
Conditions: PCI: 87

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 6832.00 SqFt **PCI:** 87

Sample Comments:

48 L & T CR L 287.00 Ft



Network: FDW **Name:** Fairfield County Airport

Branch: TW A2 **Name:** TAXIWAY A2 **Use:** TAXIWAY **Area:** 11,497 SqFt

Section: 10 of 1 **From:** - **To:** - **Last Const.:** 1/1/2012

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

Area: 11,497 SqFt **Length:** 221 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: 8/1/1992 **Work Type:** Surface Course - AC (Layer Construct) **Code:** LC-AC **Is Major M&R:** False

Work Date: 8/1/1992 **Work Type:** Surface Course - AC (Layer Construct) **Code:** LC-AC **Is Major M&R:** False

Work Date: 8/1/1992 **Work Type:** New Construction - Initial **Code:** NU-IN **Is Major M&R:** True

Work Date: 8/1/1992 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Work Date: 6/1/1997 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Work Date: 1/1/2012 **Work Type:** Overlay - AC Structural **Code:** OL-AS **Is Major M&R:** True

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

Work Date: 1/1/2020 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Last Insp. Date: 9/21/2021 **TotalSamples:** 2 **Surveyed:** 2

Conditions: PCI: 84

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 5698.00 SqFt **PCI:** 86

Sample Comments:

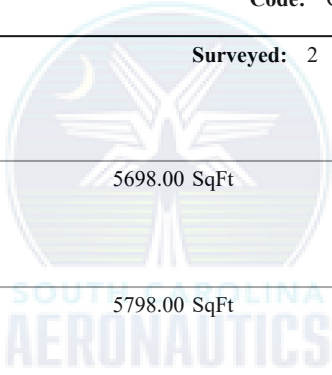
48 L & T CR L 263.00 Ft

Sample Number: 02 **Type:** R **Area:** 5798.00 SqFt **PCI:** 81

Sample Comments:

45 DEPRESSION L 32.00 SqFt

48 L & T CR L 291.00 Ft



Network: FDW **Name:** Fairfield County Airport

Branch: TW A3 **Name:** TAXIWAY A3 **Use:** TAXIWAY **Area:** 10,384 SqFt

Section: 10 of 1 **From:** - **To:** - **Last Const.:** 1/1/2012

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

Area: 10,384 SqFt **Length:** 227 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: 8/1/1990 **Work Type:** Subbase - Aggregate **Code:** SB-AG **Is Major M&R:** False

Work Date: 8/1/1990 **Work Type:** New Construction - Initial **Code:** NU-IN **Is Major M&R:** True

Work Date: 8/1/1990 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

Work Date: 8/1/1990 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

Work Date: 6/1/1997 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Work Date: 1/1/2012 **Work Type:** Overlay - AC Structural **Code:** OL-AS **Is Major M&R:** True

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

Work Date: 1/1/2020 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Last Insp. Date: 9/21/2021 **TotalSamples:** 2 **Surveyed:** 2

Conditions: PCI: 85

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 5148.00 SqFt **PCI:** 86

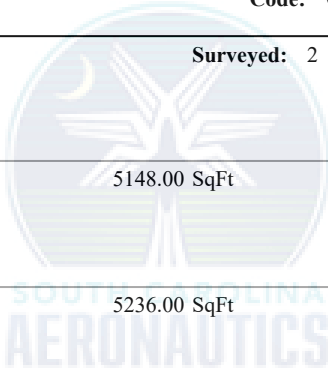
Sample Comments:

48 L & T CR L 248.00 Ft

Sample Number: 02 **Type:** R **Area:** 5236.00 SqFt **PCI:** 85

Sample Comments:

48 L & T CR L 273.00 Ft



Network: FDW **Name:** Fairfield County Airport

Branch: TW A4 **Name:** TAXIWAY A4 **Use:** TAXIWAY **Area:** 8,170 SqFt

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

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

Area: 8,170 SqFt **Length:** 138 Ft **Width:** 97 Ft

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

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

Section Comments:

Work Date: 8/1/1990 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

Work Date: 8/1/1990 **Work Type:** New Construction - Initial **Code:** NU-IN **Is Major M&R:** True

Work Date: 8/1/1990 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

Work Date: 8/1/1990 **Work Type:** Subbase - Aggregate **Code:** SB-AG **Is Major M&R:** False

Work Date: 6/1/1997 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Work Date: 9/1/2011 **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: 1/1/2020 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

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

Last Insp. Date: 9/21/2021 **TotalSamples:** 2 **Surveyed:** 1

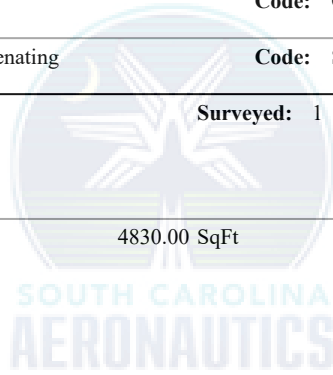
Conditions: PCI: 98

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 4830.00 SqFt **PCI:** 98

Sample Comments:

48 L & T CR L 3.00 Ft





Kimley»»Horn