



SOUTH CAROLINA AERONAUTICS COMMISSION

STATEWIDE AIRFIELD PAVEMENT MANAGEMENT SYSTEM UPDATE

 SPA - Spartanburg Downtown Memorial Airport/Simpson Field





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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 this 2021-2024 program update include the development and updates 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 program update at Spartanburg Downtown Memorial Airport/Simpson Field (SPA).

Figure 1 – Airport Layout



System Inventory

The pavements at Spartanburg Downtown Memorial Airport/Simpson Field (SPA) include approximately 2.0 million square feet of airfield pavements consisting of runways, taxiways, taxilanes 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.

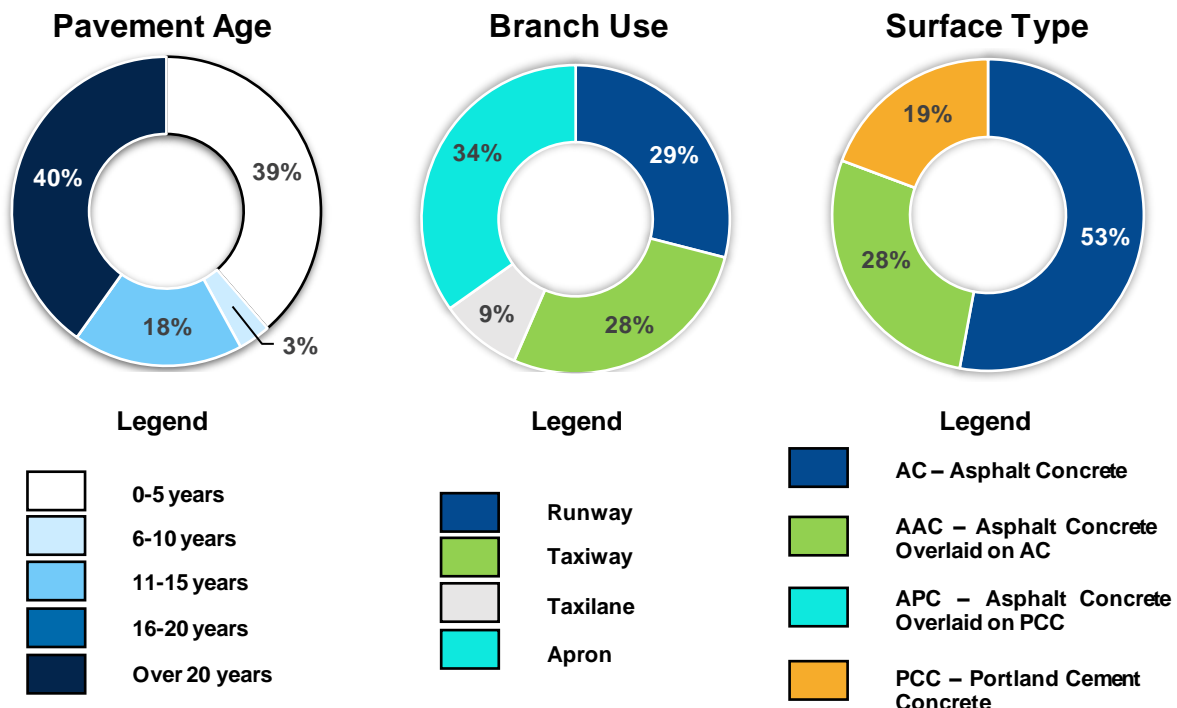
Each pavement update included a review of documentation of any maintenance and major rehabilitation related activities performed on the airfield pavements. The following table summarizes the projects that have occurred since the previous inspection.

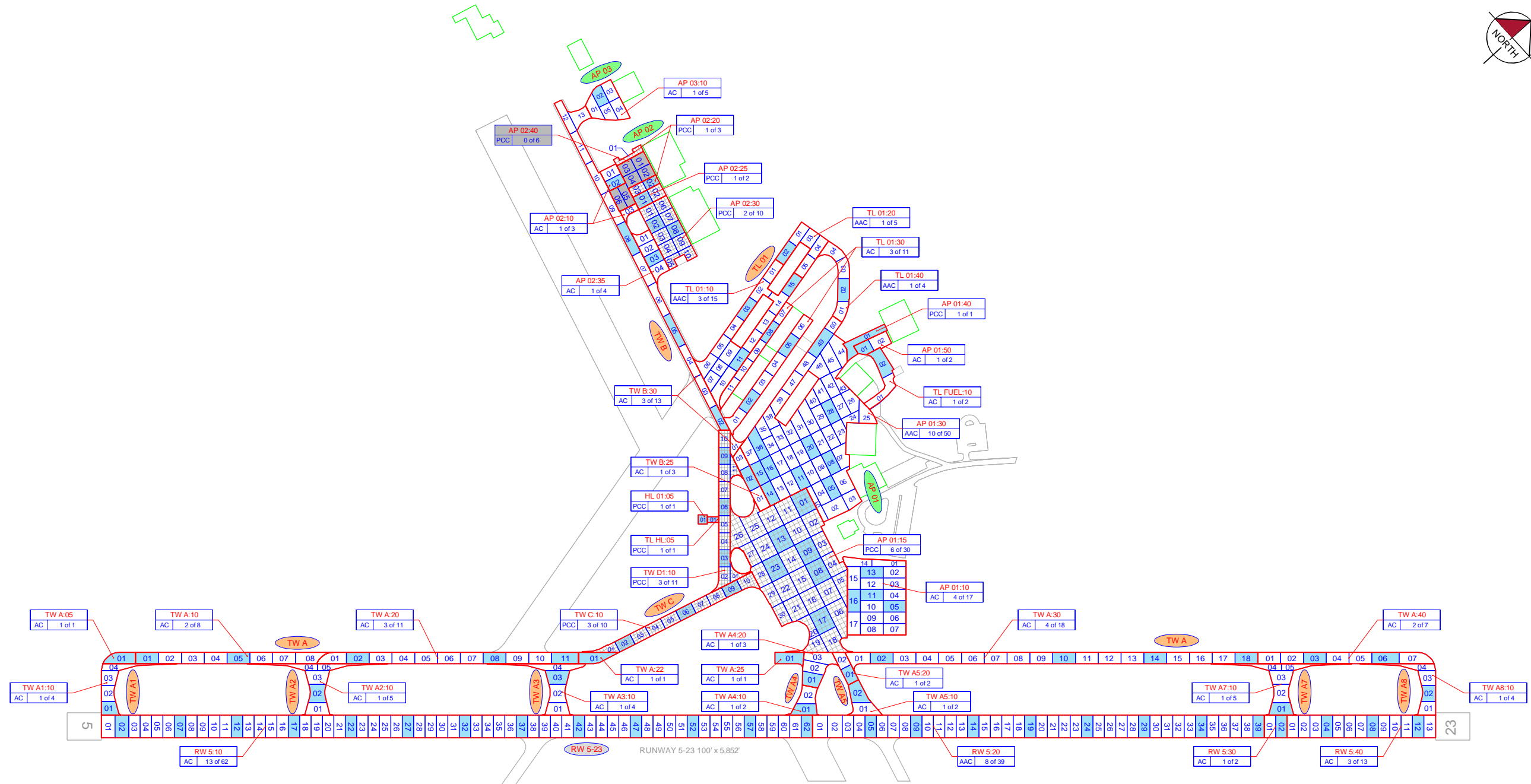
Table 1 - Recent Airfield Pavement Construction

Construction Year	Location	Work Type / Pavement Section
2019	RW 5, TWA, TWA1, TWA2, TW A7	Complete Reconstruction - AC 4" P-401, 14" P-209, 12" P-152
2019	RW 5	Mill and Overlay 3" P-401, VARIABLE DEPTH P-403
2019	RW 5, TWA, TWA3, TWA8	New Construction - AC 4" P-401, 14" P-209
2019	TW A4, TW A5	Complete Reconstruction - AC
2022	AP 02	Slab Replacement - PCC
2022	AP 02	Complete Reconstruction - PCC

The following figure summarizes the inventory items at Spartanburg Downtown Memorial Airport/Simpson Field (SPA). 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

- 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
- 5 of 15 NUMBER OF SAMPLE UNITS IN SECTION
- 5 of 15 NUMBER OF SAMPLE UNITS TO BE INSPECTED
- RW 13:20 PAVEMENT SURFACE TYPE
- AAC 0 of 5 SECTION NOT INSPECTED DUE TO RECENT CONSTRUCTION. SEE ESTIMATED AGE EXHIBIT FOR CONSTRUCTION DATES.
- 100 INSPECTED SAMPLE UNITS.

TOTAL SAMPLES INSPECTED = 98
AC: 79 PCC: 19

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



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.



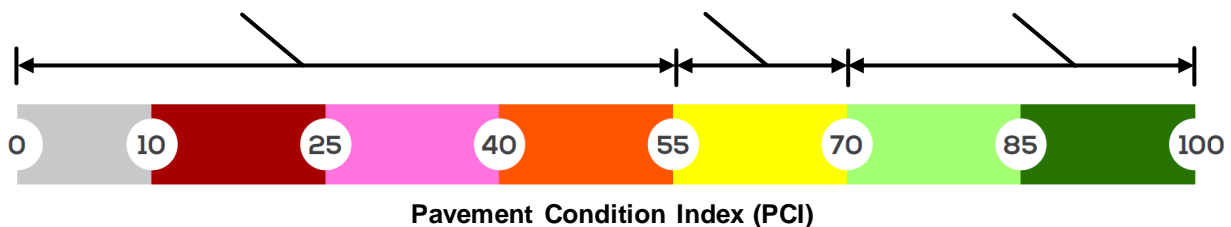
Fair Pavement

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.

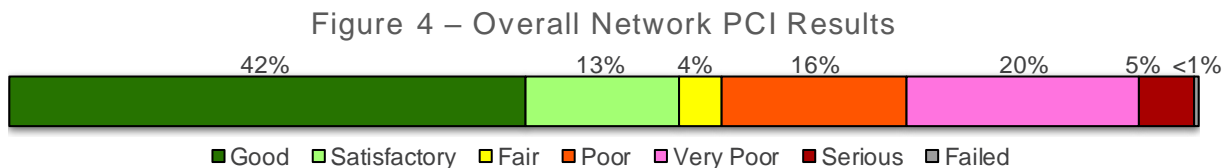


Critical PCI

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.**

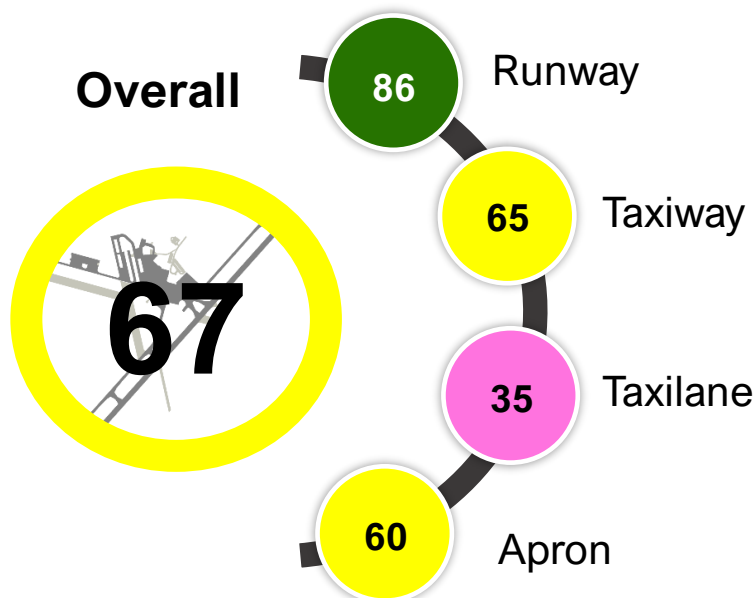
PCI Results

The PCI survey for Spartanburg Downtown Memorial Airport/Simpson Field (SPA) was performed in January 2023. **The overall area-weighted average PCI value of the network was 67**, representing a condition rating of **Fair**. Approximately 55% of inspected pavements are in Good or Satisfactory condition, 4% of inspected pavements are in Fair condition, and the remaining 41% are in Poor or worse condition as summarized in **Figure 4**.



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 **2023 Airfield Pavement Condition Index Exhibit** and are summarized in **Table 2**.

Figure 5 – Area Weighted Average Pavement Condition





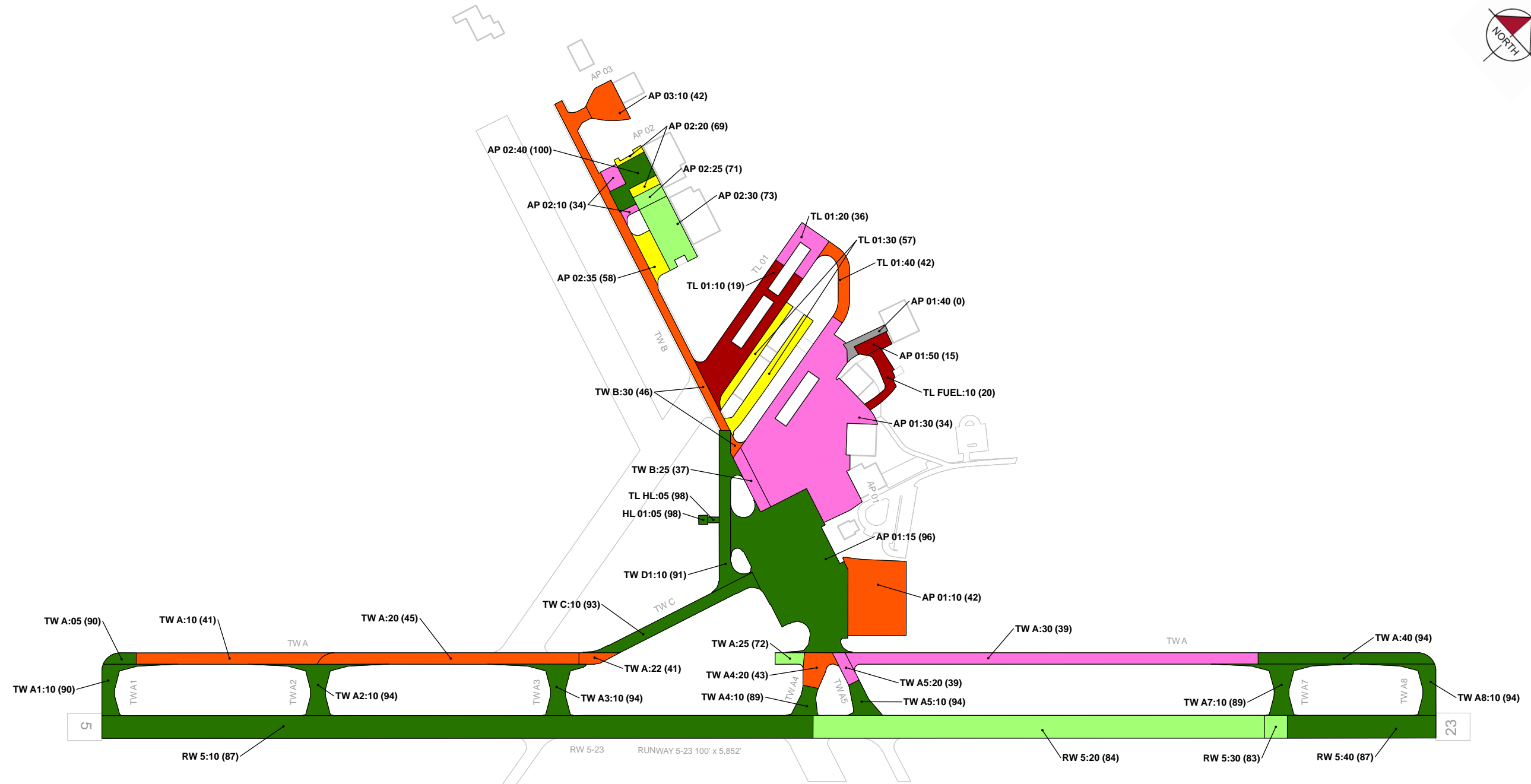
STATEWIDE AIRFIELD PAVEMENT MANAGEMENT SYSTEM UPDATE

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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
SPA	AP 01	Apron	10	85,516	AC	42	Poor	100	0	0
SPA	AP 01	Apron	15	223,660	PCC	96	Good	32	17	51
SPA	AP 01	Apron	30	251,041	AAC	34	Very Poor	79	7	14
SPA	AP 01	Apron	40	7,707	PCC	0	Failed	8	92	0
SPA	AP 01	Apron	50	8,547	AC	15	Serious	53	39	8
SPA	AP 02	Apron	10	10,018	AC	34	Very Poor	100	0	0
SPA	AP 02	Apron	20	8,677	PCC	69	Fair	32	60	8
SPA	AP 02	Apron	25	8,040	PCC	71	Satisfactory	35	0	65
SPA	AP 02	Apron	30	38,332	PCC	73	Satisfactory	34	14	52
SPA	AP 02	Apron	35	15,985	AC	58	Fair	59	41	0
SPA	AP 02	Apron	40	23,330	PCC	100	Good	0	0	0
SPA	AP 03	Apron	10	21,804	AC	42	Poor	100	0	0
SPA	HL 01	Helipad	05	1,600	PCC	98	Good	100	0	0
SPA	RW 5	Runway	10	312,000	AC	87	Good	100	0	0
SPA	RW 5	Runway	20	198,000	AAC	84	Satisfactory	100	0	0
SPA	RW 5	Runway	30	10,000	AC	83	Satisfactory	100	0	0
SPA	RW 5	Runway	40	65,200	AC	87	Good	100	0	0
SPA	TL 01	Taxilane	10	71,314	AAC	19	Serious	60	40	0
SPA	TL 01	Taxilane	20	21,973	AAC	36	Very Poor	100	0	0
SPA	TL 01	Taxilane	30	47,634	AC	57	Fair	100	0	0
SPA	TL 01	Taxilane	40	18,659	AAC	42	Poor	100	0	0
SPA	TL FUEL	Taxilane	10	13,948	AC	20	Serious	33	53	14
SPA	TL HL	Taxilane	05	1,250	PCC	98	Good	100	0	0
SPA	TW A	Taxiway	05	6,226	AC	90	Good	100	0	0
SPA	TW A	Taxiway	10	40,716	AC	41	Poor	66	25	9
SPA	TW A	Taxiway	20	56,367	AC	45	Poor	96	0	4
SPA	TW A	Taxiway	22	6,533	AC	41	Poor	100	0	0
SPA	TW A	Taxiway	25	6,399	AC	72	Satisfactory	100	0	0
SPA	TW A	Taxiway	30	90,328	AC	39	Very Poor	87	11	2
SPA	TW A	Taxiway	40	37,684	AC	94	Good	100	0	0
SPA	TW A1	Taxiway	10	17,143	AC	90	Good	100	0	0
SPA	TW A2	Taxiway	10	23,994	AC	94	Good	100	0	0
SPA	TW A3	Taxiway	10	23,155	AC	94	Good	100	0	0
SPA	TW A4	Taxiway	10	10,576	AC	89	Good	100	0	0
SPA	TW A4	Taxiway	20	16,029	AC	43	Poor	100	0	0
SPA	TW A5	Taxiway	10	11,974	AC	94	Good	100	0	0
SPA	TW A5	Taxiway	20	7,355	AC	39	Very Poor	95	0	5
SPA	TW A7	Taxiway	10	23,994	AC	89	Good	100	0	0
SPA	TW A8	Taxiway	10	17,452	AC	94	Good	100	0	0
SPA	TW B	Taxiway	25	13,924	AC	37	Very Poor	91	0	9
SPA	TW B	Taxiway	30	68,413	AC	46	Poor	97	0	3
SPA	TW C	Taxiway	10	37,630	PCC	93	Good	33	0	67
SPA	TW D1	Taxiway	10	39,881	PCC	91	Good	22	0	78

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



Legend

2023 Pavement Condition Index

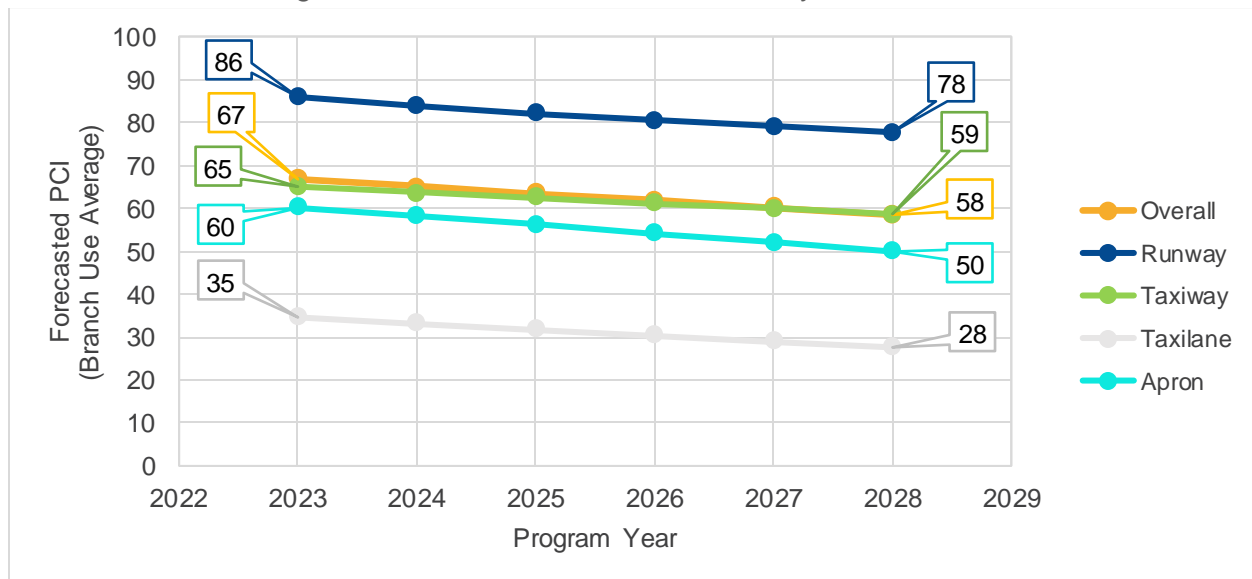
- PCI 86-100 Good
- PCI 71-85 Satisfactory
- PCI 56-70 Fair
- PCI 41-55 Poor
- PCI 26-40 Very Poor
- PCI 11-25 Serious
- PCI 0-10 Failed

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

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 **2028 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 SPA.

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.

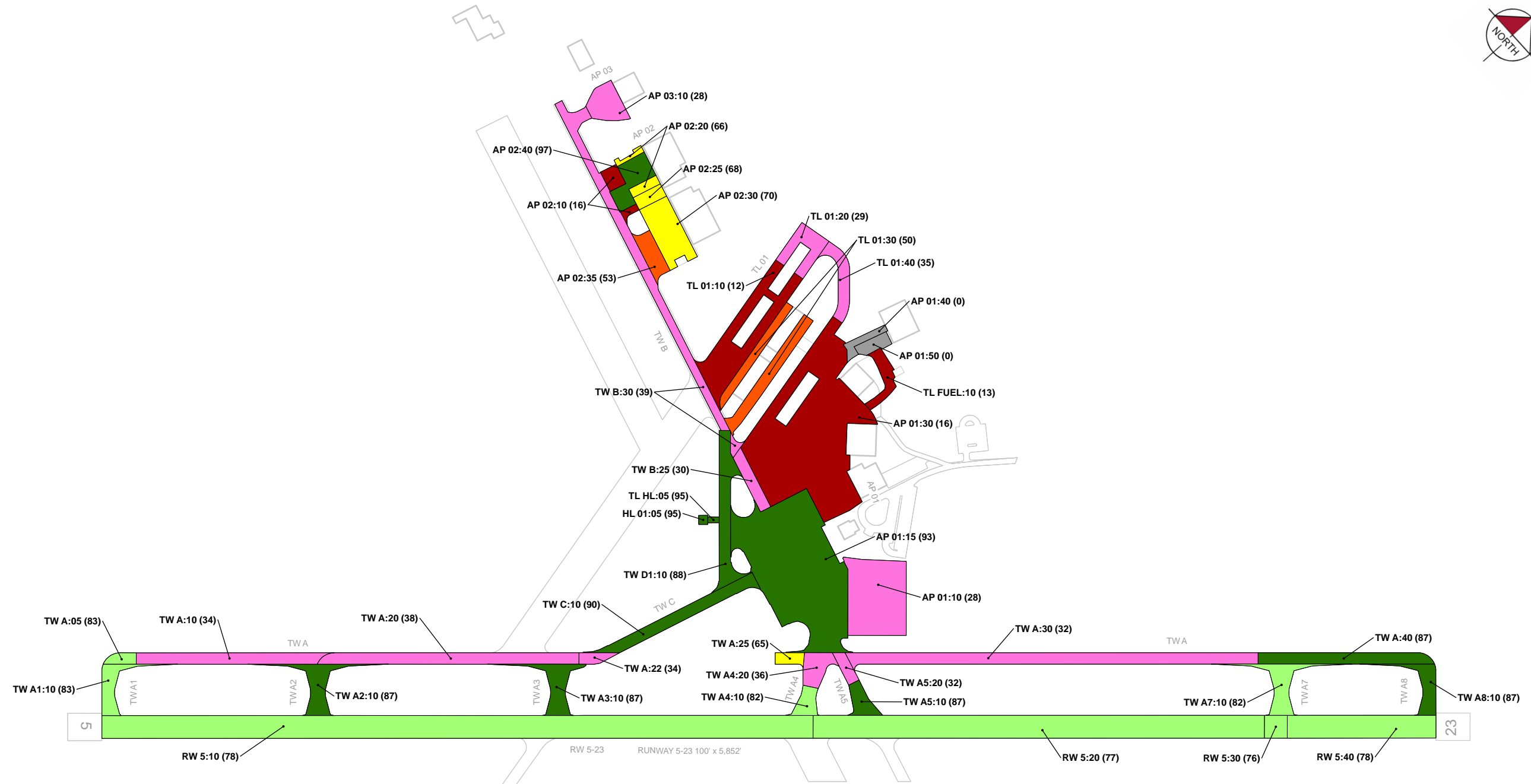


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Table 3 – Forecast (2024-2028) Section Pavement Condition Index - Section

Network ID	Branch ID	Section ID	Current PCI	Forecasted PCI				
				2024	2025	2026	2027	2028
SPA	AP 01	10	42	40	37	34	31	28
SPA	AP 01	15	96	96	95	94	94	93
SPA	AP 01	30	34	31	27	24	20	16
SPA	AP 01	40	0	0	0	0	0	0
SPA	AP 01	50	15	12	8	4	1	0
SPA	AP 02	10	34	31	27	24	20	16
SPA	AP 02	20	69	69	68	67	67	66
SPA	AP 02	25	71	71	70	69	69	68
SPA	AP 02	30	73	73	72	71	71	70
SPA	AP 02	35	58	57	56	55	54	53
SPA	AP 02	40	100	99	99	98	98	97
SPA	AP 03	10	42	40	37	34	31	28
SPA	HL 01	05	98	98	97	96	96	95
SPA	RW 5	10	87	85	83	81	80	78
SPA	RW 5	20	84	82	81	79	78	77
SPA	RW 5	30	83	81	80	78	77	76
SPA	RW 5	40	87	85	83	81	80	78
SPA	TL 01	10	19	18	16	15	13	12
SPA	TL 01	20	36	35	33	32	30	29
SPA	TL 01	30	57	56	54	53	51	50
SPA	TL 01	40	42	41	39	38	36	35
SPA	TL FUEL	10	20	19	17	16	14	13
SPA	TL HL	05	98	98	97	96	96	95
SPA	TW A	05	90	89	87	86	84	83
SPA	TW A	10	41	40	38	37	35	34
SPA	TW A	20	45	44	42	41	39	38
SPA	TW A	22	41	40	38	37	35	34
SPA	TW A	25	72	71	69	68	66	65
SPA	TW A	30	39	38	36	35	33	32
SPA	TW A	40	94	93	91	90	88	87
SPA	TW A1	10	90	89	87	86	84	83
SPA	TW A2	10	94	93	91	90	88	87
SPA	TW A3	10	94	93	91	90	88	87
SPA	TW A4	10	89	88	86	85	83	82
SPA	TW A4	20	43	42	40	39	37	36
SPA	TW A5	10	94	93	91	90	88	87
SPA	TW A5	20	39	38	36	35	33	32
SPA	TW A7	10	89	88	86	85	83	82
SPA	TW A8	10	94	93	91	90	88	87
SPA	TW B	25	37	36	34	33	31	30
SPA	TW B	30	46	45	43	42	40	39
SPA	TW C	10	93	93	92	91	91	90
SPA	TW D1	10	91	91	90	89	89	88



Legend

2028 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



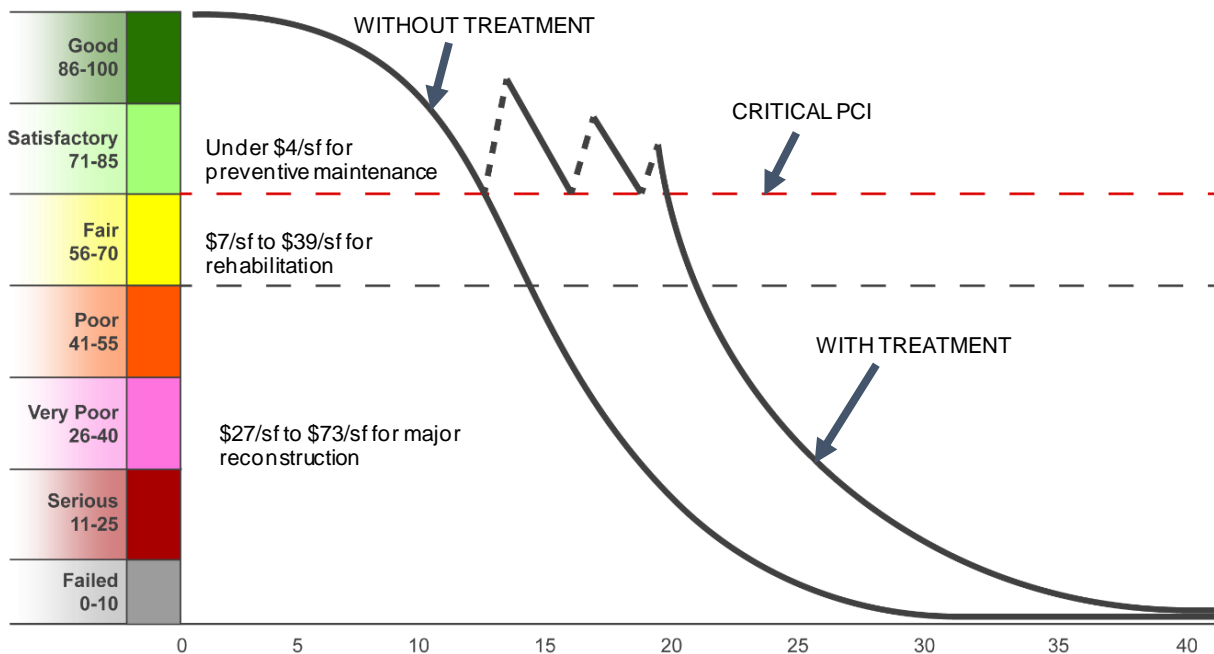
M&R Overview

An analysis was performed to assess the pavement maintenance and rehabilitation (M&R) needs at SPA over a 5-year period. The analysis compared the forecasted condition of each pavement section to the 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	16,587	LF	\$ 58,100
	Surface Seal	6,399	SF	\$ 10,560
	PCC Crack Sealing	235	LF	\$ 1,660
	PCC Joint Seal	6,130	LF	\$ 42,930
	PCC Partial-Depth Patching	55	SF	\$ 4,940
Localized Preventive Maintenance Total =				\$ 118,190
Localized Stopgap Maintenance	AC Crack Sealing Narrow	114,393	LF	\$ 400,490
	Surface Seal	339,485	SF	\$ 560,240
	AC Partial-Depth Patching	71	SF	\$ 610
	AC Full-Depth Patching	17,463	SF	\$ 502,120
	PCC Crack Sealing	85	LF	\$ 600
	PCC Joint Seal	1,663	LF	\$ 11,650
	PCC Slab Replacement	3,850	SF	\$ 173,260
Localized Stopgap Maintenance Total =				\$ 1,648,970
Planning-Level Localized M&R Needs =				\$ 1,767,160

Major Rehabilitation Needs

Major rehabilitation needs are identified by analyzing the Airport’s pavement condition in relationship to the Critical PCI value, 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 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 SPA results in a total 5-year cost of \$30.81M. 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**.

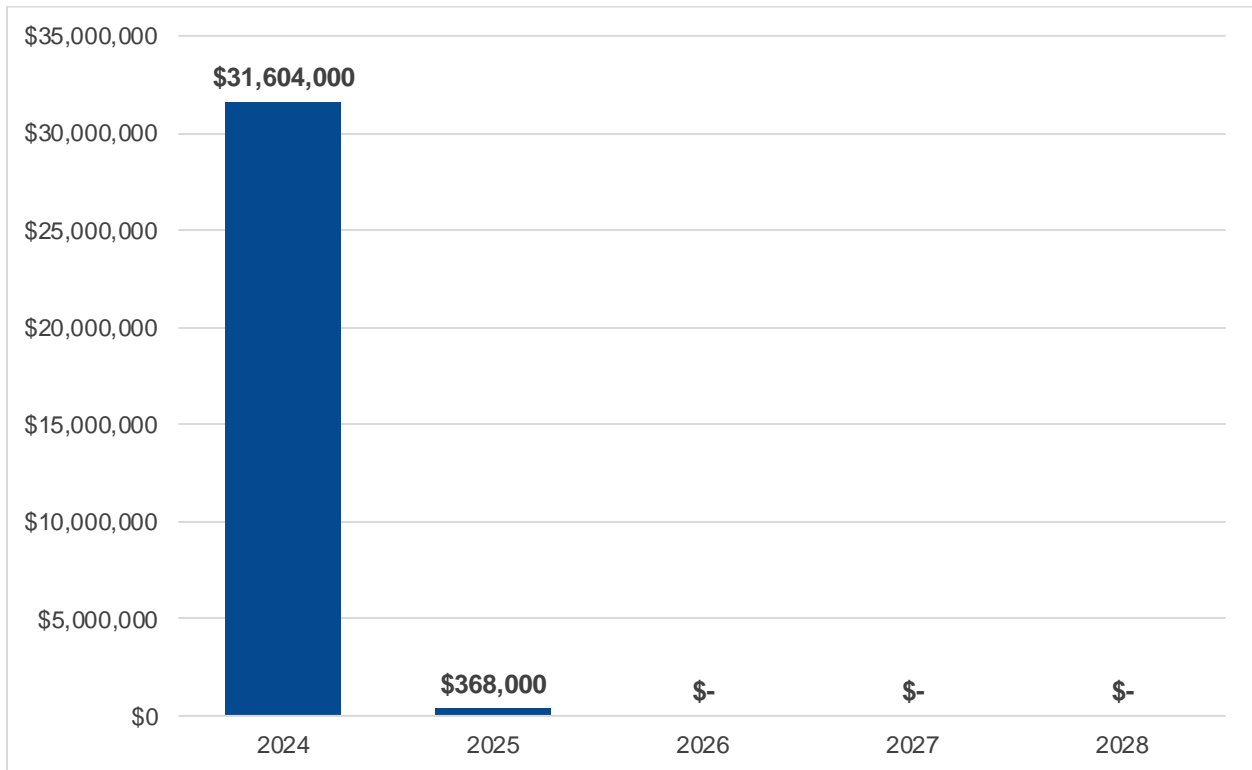
Table 5 – 5-Year Major Rehabilitation Needs

Program Year	Network ID	Branch ID	Section ID	Surface	Area (SF)	PCI Before	Rehabilitation Type	Planning Cost Estimate
2024	SPA	AP 01	10	AC	85,516	40	AC Reconstruction	\$ 3,079,000
2024	SPA	AP 01	30	AAC	251,041	31	AC Reconstruction	\$ 9,038,000
2024	SPA	AP 01	40	PCC	7,707	0	PCC Reconstruction	\$ 501,000
2024	SPA	AP 01	50	AC	8,547	12	AC Reconstruction	\$ 308,000
2024	SPA	AP 02	10	AC	10,018	31	AC Reconstruction	\$ 361,000
2024	SPA	AP 02	20	PCC	8,677	69	PCC Rehabilitation	\$ 306,000
2024	SPA	AP 02	35	AC	15,985	57	AC Rehabilitation	\$ 184,000
2024	SPA	AP 03	10	AC	21,804	40	AC Reconstruction	\$ 785,000
2024	SPA	TL 01	10	AAC	71,314	18	AC Reconstruction	\$ 2,568,000
2024	SPA	TL 01	20	AAC	21,973	35	AC Reconstruction	\$ 792,000
2024	SPA	TL 01	30	AC	47,634	56	AC Rehabilitation	\$ 548,000
2024	SPA	TL 01	40	AAC	18,659	41	AC Reconstruction	\$ 672,000
2024	SPA	TL FUEL	10	AC	13,948	19	AC Reconstruction	\$ 503,000
2024	SPA	TW A	10	AC	40,716	40	AC Reconstruction	\$ 1,466,000
2024	SPA	TW A	20	AC	56,367	44	AC Reconstruction	\$ 2,030,000
2024	SPA	TW A	22	AC	6,533	40	AC Reconstruction	\$ 236,000
2024	SPA	TW A	30	AC	90,328	38	AC Reconstruction	\$ 3,252,000
2024	SPA	TW A4	20	AC	16,029	42	AC Reconstruction	\$ 578,000
2024	SPA	TW A5	20	AC	7,355	38	AC Reconstruction	\$ 265,000
2024	SPA	TW B	25	AC	13,924	36	AC Reconstruction	\$ 502,000
2024	SPA	TW B	30	AC	68,413	45	AC Reconstruction	\$ 2,463,000
2025	SPA	AP 02	25	PCC	8,040	70	PCC Rehabilitation	\$ 292,000
2025	SPA	TW A	25	AC	6,399	69	AC Rehabilitation	\$ 76,000
Total 5-Year Major Rehabilitation Needs =								\$ 30,805,000



SPA - Spartanburg Downtown Memorial Airport/Simpson Field

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



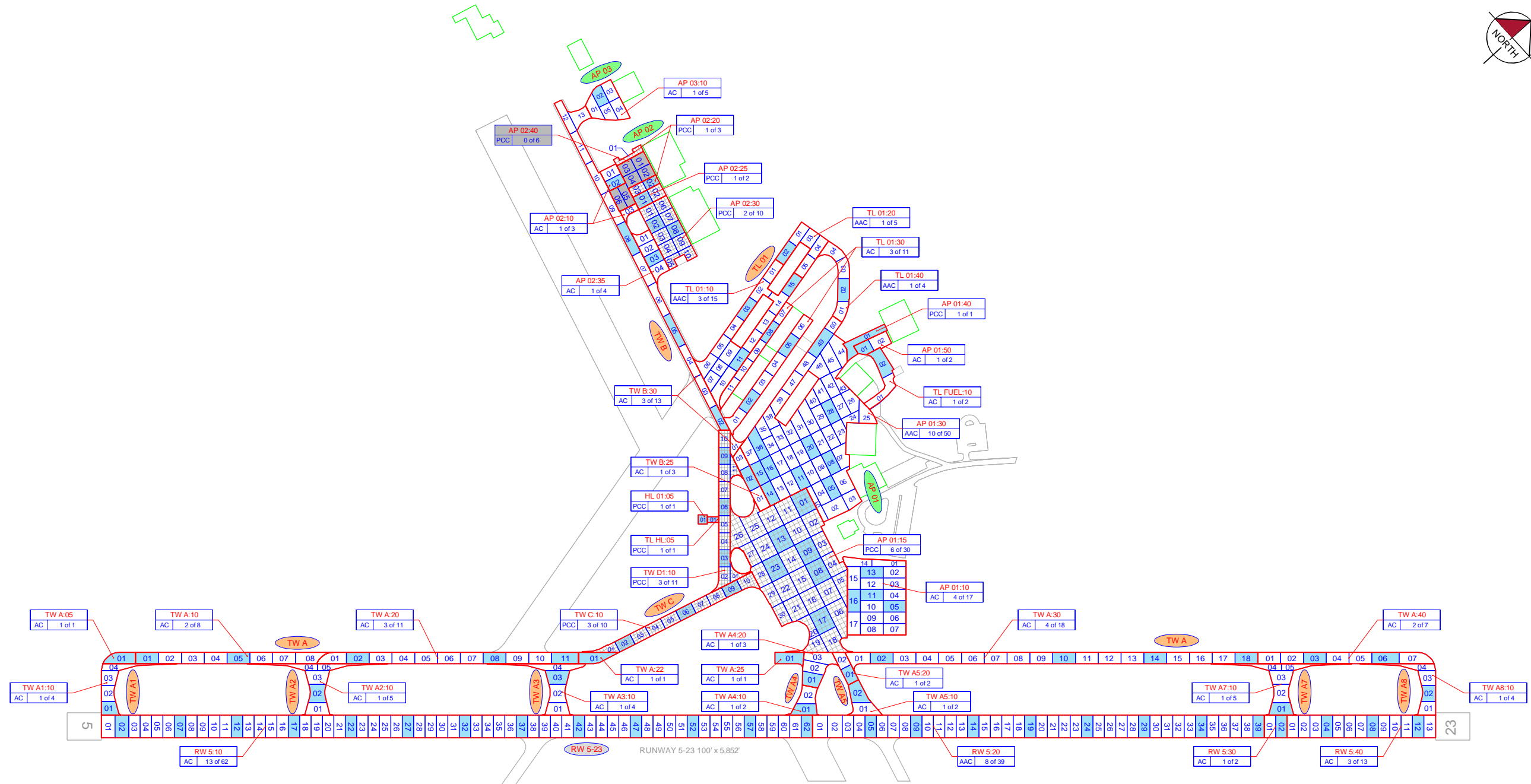
SECTION I

Appendices





Appendix A – Exhibits



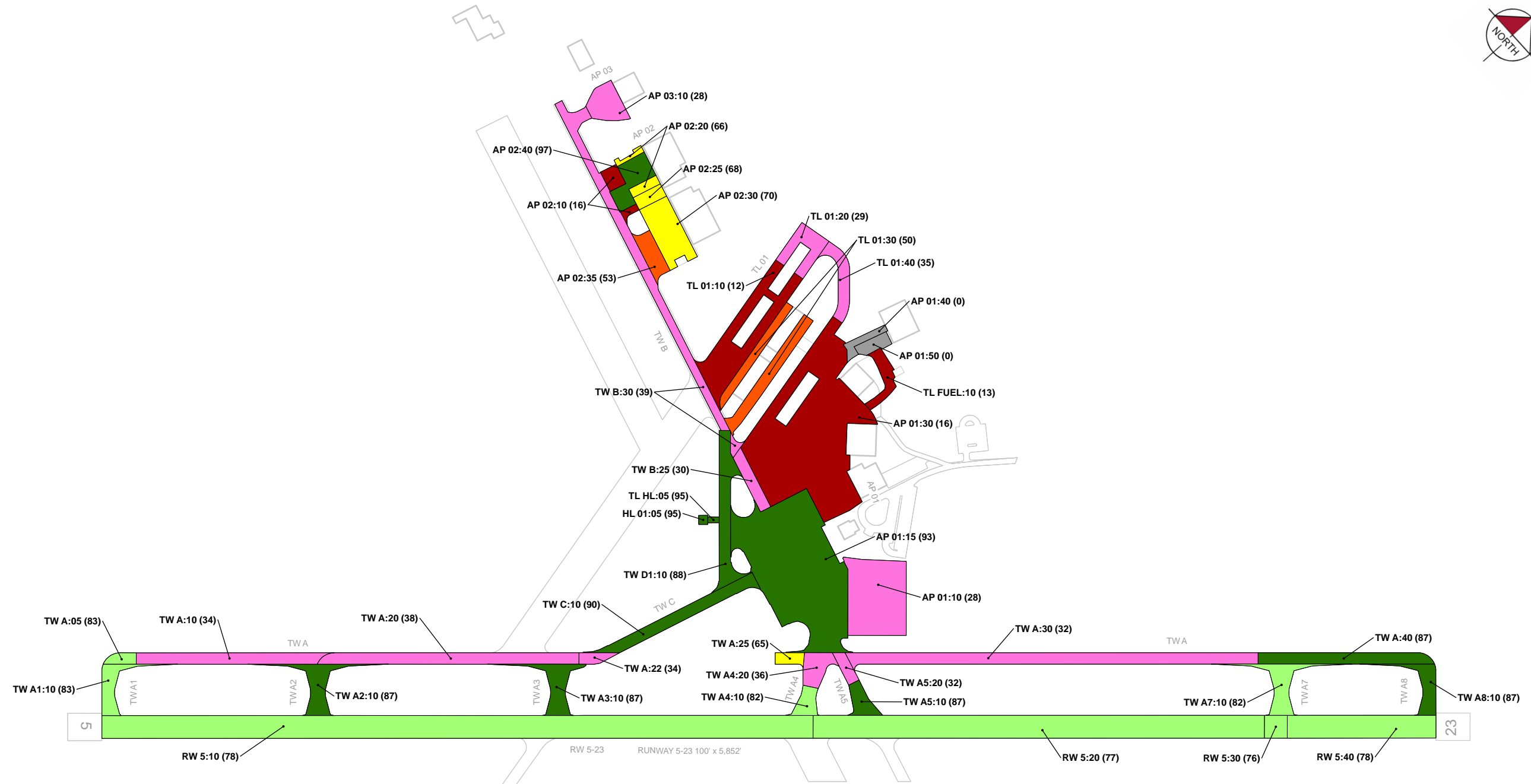
LEGEND

- 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
- 5 of 15 NUMBER OF SAMPLE UNITS IN SECTION
- 0 of 5 NUMBER OF SAMPLE UNITS TO BE INSPECTED
- PCC PAVEMENT SURFACE TYPE
- RW 13-20 SECTION NOT INSPECTED DUE TO RECENT CONSTRUCTION. SEE ESTIMATED AGE EXHIBIT FOR CONSTRUCTION DATES.
- AAC SECTION NOT INSPECTED DUE TO RECENT CONSTRUCTION. SEE ESTIMATED AGE EXHIBIT FOR CONSTRUCTION DATES.
- 100 INSPECTED SAMPLE UNITS.

TOTAL SAMPLES INSPECTED = 98
AC: 79 PCC: 19

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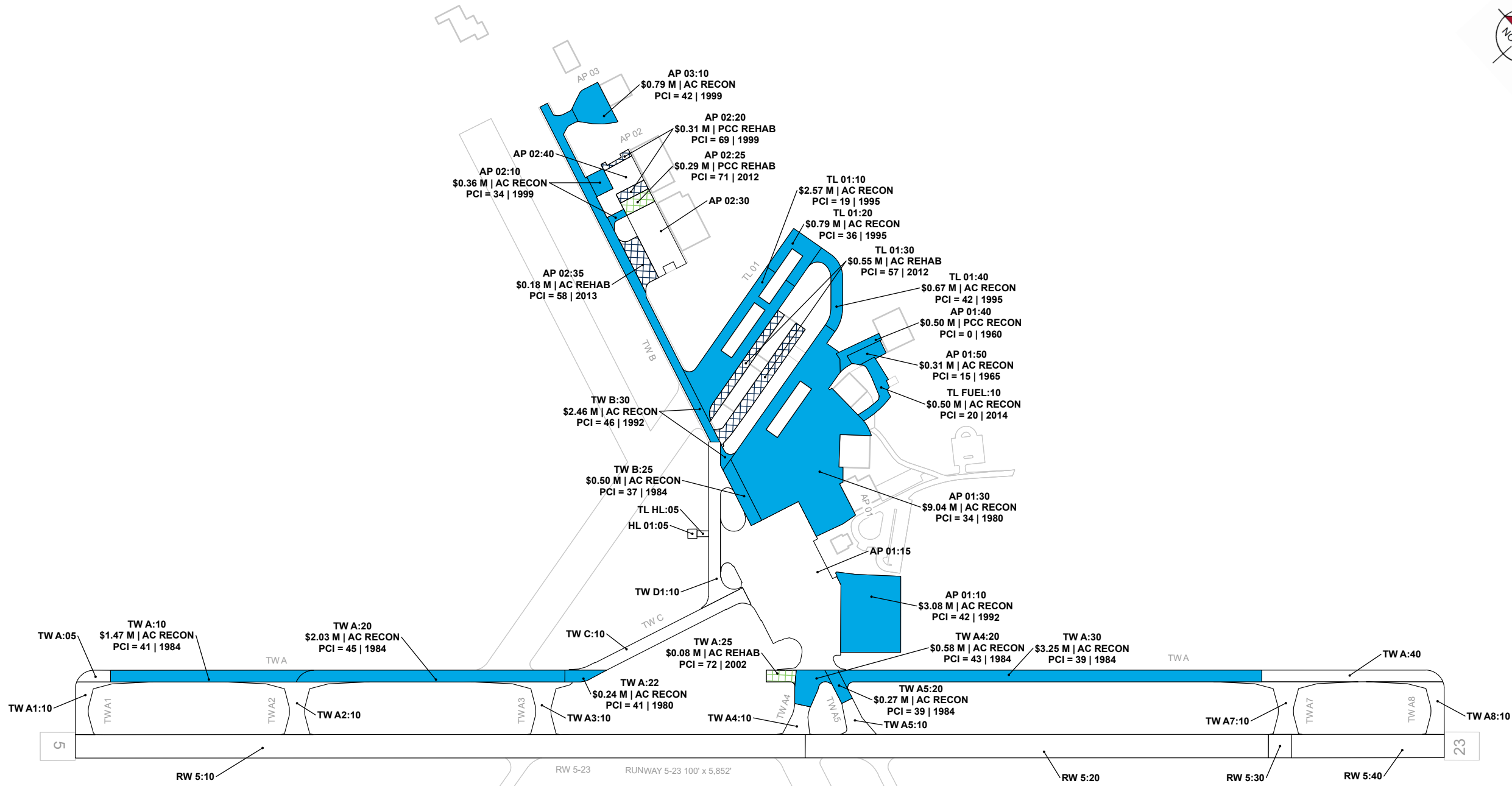
Legend

2028 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
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— 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

SPA - Spartanburg Downtown Memorial Airport/Simpson Field

Table B1 – System Inventory Data - Section

Network ID	Branch ID	Branch Use	Section ID	Area (SF)	Surface Type	Estimate of Last Construction Date
SPA	AP 01	Apron	10	85,516	AC	7/1/1992
SPA	AP 01	Apron	15	223,660	PCC	1/1/2012
SPA	AP 01	Apron	30	251,041	AAC	7/1/1980
SPA	AP 01	Apron	40	7,707	PCC	6/1/1960
SPA	AP 01	Apron	50	8,547	AC	6/1/1965
SPA	AP 02	Apron	10	10,018	AC	6/1/1999
SPA	AP 02	Apron	20	8,677	PCC	6/1/1999
SPA	AP 02	Apron	25	8,040	PCC	1/1/2012
SPA	AP 02	Apron	30	38,332	PCC	1/1/2013
SPA	AP 02	Apron	35	15,985	AC	1/1/2013
SPA	AP 02	Apron	40	23,330	PCC	7/1/2022
SPA	AP 03	Apron	10	21,804	AC	6/1/1999
SPA	HL 01	Helipad	05	1,600	PCC	1/1/2012
SPA	RW 5	Runway	10	312,000	AC	1/1/2019
SPA	RW 5	Runway	20	198,000	AAC	1/1/2019
SPA	RW 5	Runway	30	10,000	AC	1/1/2019
SPA	RW 5	Runway	40	65,200	AC	1/1/2019
SPA	TL 01	Taxilane	10	71,314	AAC	1/1/1995
SPA	TL 01	Taxilane	20	21,973	AAC	1/1/1995
SPA	TL 01	Taxilane	30	47,634	AC	1/1/2012
SPA	TL 01	Taxilane	40	18,659	AAC	1/1/1995
SPA	TL FUEL	Taxilane	10	13,948	AC	7/1/2014
SPA	TL HL	Taxilane	05	1,250	PCC	1/1/2012
SPA	TW A	Taxiway	05	6,226	AC	1/1/2019
SPA	TW A	Taxiway	10	40,716	AC	11/1/1984
SPA	TW A	Taxiway	20	56,367	AC	11/1/1984
SPA	TW A	Taxiway	22	6,533	AC	7/1/1980
SPA	TW A	Taxiway	25	6,399	AC	1/1/2002
SPA	TW A	Taxiway	30	90,328	AC	11/1/1984
SPA	TW A	Taxiway	40	37,684	AC	1/1/2019
SPA	TW A1	Taxiway	10	17,143	AC	1/1/2019
SPA	TW A2	Taxiway	10	23,994	AC	1/1/2019
SPA	TW A3	Taxiway	10	23,155	AC	1/1/2019
SPA	TW A4	Taxiway	10	10,576	AC	1/1/2019
SPA	TW A4	Taxiway	20	16,029	AC	11/1/1984
SPA	TW A5	Taxiway	10	11,974	AC	1/1/2019
SPA	TW A5	Taxiway	20	7,355	AC	11/1/1984
SPA	TW A7	Taxiway	10	23,994	AC	1/1/2019
SPA	TW A8	Taxiway	10	17,452	AC	1/1/2019
SPA	TW B	Taxiway	25	13,924	AC	11/1/1984
SPA	TW B	Taxiway	30	68,413	AC	7/1/1992
SPA	TW C	Taxiway	10	37,630	PCC	1/1/2012
SPA	TW D1	Taxiway	10	39,881	PCC	1/1/2012



STATEWIDE AIRFIELD PAVEMENT MANAGEMENT SYSTEM UPDATE

SPA - Spartanburg Downtown Memorial Airport/Simpson Field

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	5	576,471	59	Fair
AP 02	Apron	6	104,382	73	Satisfactory
AP 03	Apron	1	21,804	42	Poor
HL 01	Helipad	1	1,600	98	Good
RW 5	Runway	4	585,200	86	Good
TL 01	Taxilane	4	159,580	35	Very Poor
TL FUEL	Taxilane	1	13,948	20	Serious
TL HL	Taxilane	1	1,250	98	Good
TW A	Taxiway	7	244,253	51	Poor
TW A1	Taxiway	1	17,143	90	Good
TW A2	Taxiway	1	23,994	94	Good
TW A3	Taxiway	1	23,155	94	Good
TW A4	Taxiway	2	26,605	61	Fair
TW A5	Taxiway	2	19,329	73	Satisfactory
TW A7	Taxiway	1	23,994	89	Good
TW A8	Taxiway	1	17,452	94	Good
TW B	Taxiway	2	82,337	44	Poor
TW C	Taxiway	1	37,630	93	Good
TW D1	Taxiway	1	39,881	91	Good



STATEWIDE AIRFIELD PAVEMENT MANAGEMENT SYSTEM UPDATE

SPA - Spartanburg Downtown Memorial Airport/Simpson Field

Table B3 – Current (2023) 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
SPA	AP 01	Apron	10	85,516	AC	42	Poor	100	0	0	4	17
SPA	AP 01	Apron	15	223,660	PCC	96	Good	32	17	51	6	30
SPA	AP 01	Apron	30	251,041	AAC	34	Very Poor	79	7	14	10	50
SPA	AP 01	Apron	40	7,707	PCC	0	Failed	8	92	0	1	1
SPA	AP 01	Apron	50	8,547	AC	15	Serious	53	39	8	1	2
SPA	AP 02	Apron	10	10,018	AC	34	Very Poor	100	0	0	1	3
SPA	AP 02	Apron	20	8,677	PCC	69	Fair	32	60	8	1	3
SPA	AP 02	Apron	25	8,040	PCC	71	Satisfactory	35	0	65	1	2
SPA	AP 02	Apron	30	38,332	PCC	73	Satisfactory	34	14	52	2	10
SPA	AP 02	Apron	35	15,985	AC	58	Fair	59	41	0	1	4
SPA	AP 02	Apron	40	23,330	PCC	100	Good	0	0	0	0	0
SPA	AP 03	Apron	10	21,804	AC	42	Poor	100	0	0	1	5
SPA	HL 01	Helipad	05	1,600	PCC	98	Good	100	0	0	1	1
SPA	RW 5	Runway	10	312,000	AC	87	Good	100	0	0	13	62
SPA	RW 5	Runway	20	198,000	AAC	84	Satisfactory	100	0	0	8	39
SPA	RW 5	Runway	30	10,000	AC	83	Satisfactory	100	0	0	1	2
SPA	RW 5	Runway	40	65,200	AC	87	Good	100	0	0	3	13
SPA	TL01	Taxilane	10	71,314	AAC	19	Serious	60	40	0	3	15
SPA	TL 01	Taxilane	20	21,973	AAC	36	Very Poor	100	0	0	1	5
SPA	TL 01	Taxilane	30	47,634	AC	57	Fair	100	0	0	3	11
SPA	TL 01	Taxilane	40	18,659	AAC	42	Poor	100	0	0	1	4
SPA	TL FUEL	Taxilane	10	13,948	AC	20	Serious	33	53	14	1	2
SPA	TL HL	Taxilane	05	1,250	PCC	98	Good	100	0	0	1	1
SPA	TW A	Taxiway	05	6,226	AC	90	Good	100	0	0	1	1
SPA	TW A	Taxiway	10	40,716	AC	41	Poor	66	25	9	2	8
SPA	TW A	Taxiway	20	56,367	AC	45	Poor	96	0	4	3	11
SPA	TW A	Taxiway	22	6,533	AC	41	Poor	100	0	0	1	1
SPA	TW A	Taxiway	25	6,399	AC	72	Satisfactory	100	0	0	1	1
SPA	TW A	Taxiway	30	90,328	AC	39	Very Poor	87	11	2	4	18
SPA	TW A	Taxiway	40	37,684	AC	94	Good	100	0	0	2	7
SPA	TW A1	Taxiway	10	17,143	AC	90	Good	100	0	0	1	4



STATEWIDE AIRFIELD PAVEMENT MANAGEMENT SYSTEM UPDATE

SPA - Spartanburg Downtown Memorial Airport/Simpson Field

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
SPA	TW A2	Taxiway	10	23,994	AC	94	Good	100	0	0	1	5
SPA	TW A3	Taxiway	10	23,155	AC	94	Good	100	0	0	1	4
SPA	TW A4	Taxiway	10	10,576	AC	89	Good	100	0	0	1	2
SPA	TW A4	Taxiway	20	16,029	AC	43	Poor	100	0	0	1	3
SPA	TW A5	Taxiway	10	11,974	AC	94	Good	100	0	0	1	2
SPA	TW A5	Taxiway	20	7,355	AC	39	Very Poor	95	0	5	1	2
SPA	TW A7	Taxiway	10	23,994	AC	89	Good	100	0	0	1	5
SPA	TW A8	Taxiway	10	17,452	AC	94	Good	100	0	0	1	4
SPA	TW B	Taxiway	25	13,924	AC	37	Very Poor	91	0	9	1	3
SPA	TW B	Taxiway	30	68,413	AC	46	Poor	97	0	3	3	13
SPA	TW C	Taxiway	10	37,630	PCC	93	Good	33	0	67	3	10
SPA	TW D1	Taxiway	10	39,881	PCC	91	Good	22	0	78	3	11



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SPA - Spartanburg Downtown Memorial Airport/Simpson Field

Table B4 –Forecasted (2024-2028) Pavement Condition Index Summary - Section

Network ID	Branch ID	Section ID	Current PCI	Forecasted PCI				
				2024	2025	2026	2027	2028
SPA	AP 01	10	42	40	37	34	31	28
SPA	AP 01	15	96	96	95	94	94	93
SPA	AP 01	30	34	31	27	24	20	16
SPA	AP 01	40	0	0	0	0	0	0
SPA	AP 01	50	15	12	8	4	1	0
SPA	AP 02	10	34	31	27	24	20	16
SPA	AP 02	20	69	69	68	67	67	66
SPA	AP 02	25	71	71	70	69	69	68
SPA	AP 02	30	73	73	72	71	71	70
SPA	AP 02	35	58	57	56	55	54	53
SPA	AP 02	40	100	99	99	98	98	97
SPA	AP 03	10	42	40	37	34	31	28
SPA	HL 01	05	98	98	97	96	96	95
SPA	RW 5	10	87	85	83	81	80	78
SPA	RW 5	20	84	82	81	79	78	77
SPA	RW 5	30	83	81	80	78	77	76
SPA	RW 5	40	87	85	83	81	80	78
SPA	TL 01	10	19	18	16	15	13	12
SPA	TL 01	20	36	35	33	32	30	29
SPA	TL 01	30	57	56	54	53	51	50
SPA	TL 01	40	42	41	39	38	36	35
SPA	TL FUEL	10	20	19	17	16	14	13
SPA	TL HL	05	98	98	97	96	96	95
SPA	TW A	05	90	89	87	86	84	83
SPA	TW A	10	41	40	38	37	35	34
SPA	TW A	20	45	44	42	41	39	38
SPA	TW A	22	41	40	38	37	35	34
SPA	TW A	25	72	71	69	68	66	65
SPA	TW A	30	39	38	36	35	33	32
SPA	TW A	40	94	93	91	90	88	87
SPA	TW A1	10	90	89	87	86	84	83
SPA	TW A2	10	94	93	91	90	88	87
SPA	TW A3	10	94	93	91	90	88	87
SPA	TW A4	10	89	88	86	85	83	82
SPA	TW A4	20	43	42	40	39	37	36
SPA	TW A5	10	94	93	91	90	88	87
SPA	TW A5	20	39	38	36	35	33	32
SPA	TW A7	10	89	88	86	85	83	82
SPA	TW A8	10	94	93	91	90	88	87
SPA	TW B	25	37	36	34	33	31	30
SPA	TW B	30	46	45	43	42	40	39
SPA	TW C	10	93	93	92	91	91	90
SPA	TW D1	10	91	91	90	89	89	88



Appendix C – Maintenance and Rehabilitation Tables



STATEWIDE AIRFIELD PAVEMENT MANAGEMENT SYSTEM UPDATE

SPA - Spartanburg Downtown Memorial Airport/Simpson 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	16,587	LF	\$ 58,100
	Surface Seal	6,399	SF	\$ 10,560
	PCC Joint Seal	6,130	LF	\$ 42,930
	PCC Partial-Depth Patching	55	SF	\$ 4,940
Localized Preventive Maintenance Total =				\$ 118,190
Localized Stopgap Maintenance	AC Crack Sealing Narrow	114,393	LF	\$ 400,490
	Surface Seal	339,485	SF	\$ 560,240
	AC Partial-Depth Patching	71	SF	\$ 610
	AC Full-Depth Patching	17,463	SF	\$ 502,120
	PCC Joint Seal	1,663	LF	\$ 11,650
Localized Stopgap Maintenance Total =				\$ 1,648,970
Planning-Level Localized M&R Needs =				\$ 1,767,160

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

Network ID	Branch ID	Section ID	Area (SF)	Start PCI	End PCI	Cost
SPA	AP 01	10	85,516	42	58	\$ 28,010
SPA	AP 01	15	223,660	96	97	\$ 3,360
SPA	AP 01	30	251,041	34	52	\$ 386,130
SPA	AP 01	40	7,707	0	39	\$ 176,330
SPA	AP 01	50	8,547	15	46	\$ 39,090
SPA	AP 02	10	10,018	34	56	\$ 23,470
SPA	AP 02	20	8,677	69	87	\$ 9,170
SPA	AP 02	25	8,040	71	83	\$ 7,720
SPA	AP 02	30	38,332	73	81	\$ 38,420
SPA	AP 02	35	15,985	58	66	\$ 2,050
SPA	AP 02	40	23,330	100	100	\$ -
SPA	AP 03	10	21,804	42	59	\$ 23,270
SPA	HL 01	05	1,600	98	98	\$ -
SPA	RW 5	10	312,000	87	87	\$ 25,450
SPA	RW 5	20	198,000	84	84	\$ 23,760
SPA	RW 5	30	10,000	83	83	\$ 1,260
SPA	RW 5	40	65,200	87	87	\$ 5,190



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SPA - Spartanburg Downtown Memorial Airport/Simpson Field

Network ID	Branch ID	Section ID	Area (SF)	Start PCI	End PCI	Cost
SPA	TL 01	10	71,314	19	48	\$ 450,670
SPA	TL 01	20	21,973	36	57	\$ 46,210
SPA	TL 01	30	47,634	57	71	\$ 14,080
SPA	TL 01	40	18,659	42	59	\$ 19,910
SPA	TL FUEL	10	13,948	20	67	\$ 70,010
SPA	TL HL	05	1,250	98	98	\$ -
SPA	TW A	05	6,226	90	90	\$ -
SPA	TW A	10	40,716	41	56	\$ 47,600
SPA	TW A	20	56,367	45	59	\$ 57,050
SPA	TW A	22	6,533	41	59	\$ 11,570
SPA	TW A	25	6,399	72	88	\$ 11,450
SPA	TW A	30	90,328	39	56	\$ 91,430
SPA	TW A	40	37,684	94	94	\$ -
SPA	TW A1	10	17,143	90	90	\$ 320
SPA	TW A2	10	23,994	94	94	\$ -
SPA	TW A3	10	23,155	94	94	\$ -
SPA	TW A4	10	10,576	89	89	\$ 340
SPA	TW A4	20	16,029	43	55	\$ 15,300
SPA	TW A5	10	11,974	94	94	\$ -
SPA	TW A5	20	7,355	39	60	\$ 10,000
SPA	TW A7	10	23,994	89	89	\$ 800
SPA	TW A8	10	17,452	94	94	\$ -
SPA	TW B	25	13,924	37	54	\$ 7,430
SPA	TW B	30	68,413	46	59	\$ 120,040
SPA	TW C	10	37,630	93	93	\$ -
SPA	TW D1	10	39,881	91	91	\$ -



STATEWIDE AIRFIELD PAVEMENT MANAGEMENT SYSTEM UPDATE

SPA - Spartanburg Downtown Memorial Airport/Simpson 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
SPA	AP 01	15	LINEAR CR	Low	5	Slabs	0.8%	Preventive	PCC Crack Sealing	93	LF	\$ 7.00	\$ 660
SPA	AP 01	15	JOINT SPALL	Medium	5	Slabs	0.8%	Preventive	PCC Partial-Depth Patching	30	SF	\$ 90.00	\$ 2,710
SPA	AP 02	25	JT SEAL DMG	High	41	Slabs	100.0%	Preventive	PCC Joint Seal	960	LF	\$ 7.00	\$ 6,730
SPA	AP 02	25	SMALL PATCH	Medium	2	Slabs	5.0%	Preventive	PCC Partial-Depth Patching	5	SF	\$ 90.00	\$ 500
SPA	AP 02	25	CORNER SPALL	Medium	2	Slabs	5.0%	Preventive	PCC Partial-Depth Patching	5	SF	\$ 90.00	\$ 500
SPA	AP 02	30	LINEAR CR	Low	10	Slabs	5.0%	Preventive	PCC Crack Sealing	142	LF	\$ 7.00	\$ 1,000
SPA	AP 02	30	JT SEAL DMG	High	203	Slabs	100.0%	Preventive	PCC Joint Seal	5,170	LF	\$ 7.00	\$ 36,200
SPA	AP 02	30	CORNER SPALL	Medium	5	Slabs	2.5%	Preventive	PCC Partial-Depth Patching	14	SF	\$ 90.00	\$ 1,230
SPA	RW 5	10	L & T CR	Low	7,271	LF	2.3%	Preventive	AC Crack Sealing Narrow	7,271	LF	\$ 3.50	\$ 25,450
SPA	RW 5	20	L & T CR	Low	6,786	LF	3.4%	Preventive	AC Crack Sealing Narrow	6,786	LF	\$ 3.50	\$ 23,760
SPA	RW 5	30	L & T CR	Low	358	LF	3.6%	Preventive	AC Crack Sealing Narrow	358	LF	\$ 3.50	\$ 1,260
SPA	RW 5	40	L & T CR	Low	1,482	LF	2.3%	Preventive	AC Crack Sealing Narrow	1,482	LF	\$ 3.50	\$ 5,190
SPA	TW A	05	L & T CR	Low	25	LF	0.4%	Preventive	AC Crack Sealing Narrow	25	LF	\$ 3.50	\$ 90
SPA	TW A	25	L & T CR	Medium	253	LF	4.0%	Preventive	AC Crack Sealing Narrow	253	LF	\$ 3.50	\$ 890
SPA	TW A	25	WEATHERING	Medium	6,399	SF	100.0%	Preventive	Surface Seal	6,399	SF	\$ 1.65	\$ 10,560
SPA	TW A1	10	L & T CR	Low	89	LF	0.5%	Preventive	AC Crack Sealing Narrow	89	LF	\$ 3.50	\$ 320
SPA	TW A4	10	L & T CR	Low	96	LF	0.9%	Preventive	AC Crack Sealing Narrow	96	LF	\$ 3.50	\$ 340
SPA	TW A7	10	L & T CR	Low	227	LF	0.9%	Preventive	AC Crack Sealing Narrow	227	LF	\$ 3.50	\$ 800
SPA	AP 01	10	BLOCK CR	Medium	13,915	SF	16.3%	Stopgap	AC Crack Sealing Narrow	4,242	LF	\$ 3.50	\$ 14,850
SPA	AP 01	10	L & T CR	Medium	1,285	LF	1.5%	Stopgap	AC Crack Sealing Narrow	1,285	LF	\$ 3.50	\$ 4,500
SPA	AP 01	10	RAVELING	Medium	5,249	SF	6.1%	Stopgap	Surface Seal	5,250	SF	\$ 1.65	\$ 8,670
SPA	AP 01	30	BLOCK CR	Medium	136,722	SF	54.5%	Stopgap	AC Crack Sealing Narrow	41,673	LF	\$ 3.50	\$ 145,860
SPA	AP 01	30	RAVELING	Medium	4,144	SF	1.7%	Stopgap	Surface Seal	4,143	SF	\$ 1.65	\$ 6,840
SPA	AP 01	30	WEATHERING	Medium	141,477	SF	56.4%	Stopgap	Surface Seal	141,477	SF	\$ 1.65	\$ 233,440
SPA	AP 01	40	JT SEAL DMG	High	22	Slabs	100.0%	Stopgap	PCC Joint Seal	439	LF	\$ 7.00	\$ 3,070
SPA	AP 01	40	SHAT. SLAB	High	11	Slabs	50.0%	Stopgap	PCC Slab Replacement	3,850	SF	\$ 45.00	\$ 173,260
SPA	AP 01	50	ALLIGATOR CR	Medium	949	SF	11.1%	Stopgap	AC Full-Depth Patching	1,078	SF	\$ 28.75	\$ 30,980
SPA	AP 01	50	BLOCK CR	Medium	7,598	SF	88.9%	Stopgap	AC Crack Sealing Narrow	2,316	LF	\$ 3.50	\$ 8,110
SPA	AP 02	10	BLOCK CR	Medium	8,970	SF	89.5%	Stopgap	AC Crack Sealing Narrow	2,734	LF	\$ 3.50	\$ 9,570
SPA	AP 02	10	WEATHERING	Medium	8,421	SF	84.1%	Stopgap	Surface Seal	8,421	SF	\$ 1.65	\$ 13,900
SPA	AP 02	20	LINEAR CR	Medium	6	Slabs	13.3%	Stopgap	PCC Crack Sealing	85	LF	\$ 7.00	\$ 600
SPA	AP 02	20	JT SEAL DMG	High	47	Slabs	100.0%	Stopgap	PCC Joint Seal	1,224	LF	\$ 7.00	\$ 8,580
SPA	AP 02	35	L & T CR	Medium	206	LF	1.3%	Stopgap	AC Crack Sealing Narrow	206	LF	\$ 3.50	\$ 730



STATEWIDE AIRFIELD PAVEMENT MANAGEMENT SYSTEM UPDATE

SPA - Spartanburg Downtown Memorial Airport/Simpson Field

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
SPA	AP 02	35	WEATHERING	Medium	800	SF	5.0%	Stopgap	Surface Seal	800	SF	\$ 1.65	\$ 1,330
SPA	AP 03	10	BLOCK CR	Medium	21,804	SF	100.0%	Stopgap	AC Crack Sealing Narrow	6,646	LF	\$ 3.50	\$ 23,270
SPA	TL 01	10	ALLIGATOR CR	Medium	13,406	SF	18.8%	Stopgap	AC Full-Depth Patching	13,876	SF	\$ 28.75	\$ 398,940
SPA	TL 01	10	BLOCK CR	Medium	48,494	SF	68.0%	Stopgap	AC Crack Sealing Narrow	14,781	LF	\$ 3.50	\$ 51,740
SPA	TL 01	20	BLOCK CR	Medium	17,479	SF	79.6%	Stopgap	AC Crack Sealing Narrow	5,327	LF	\$ 3.50	\$ 18,650
SPA	TL 01	20	WEATHERING	Medium	16,705	SF	76.0%	Stopgap	Surface Seal	16,705	SF	\$ 1.65	\$ 27,570
SPA	TL 01	30	L & T CR	Medium	2,926	LF	6.1%	Stopgap	AC Crack Sealing Narrow	2,926	LF	\$ 3.50	\$ 10,250
SPA	TL 01	30	WEATHERING	Medium	2,326	SF	4.9%	Stopgap	Surface Seal	2,326	SF	\$ 1.65	\$ 3,840
SPA	TL 01	40	BLOCK CR	Medium	18,659	SF	100.0%	Stopgap	AC Crack Sealing Narrow	5,687	LF	\$ 3.50	\$ 19,910
SPA	TL FUEL	10	ALLIGATOR CR	Medium	2,131	SF	15.3%	Stopgap	AC Full-Depth Patching	2,321	SF	\$ 28.75	\$ 66,740
SPA	TL FUEL	10	L & T CR	Medium	276	LF	2.0%	Stopgap	AC Crack Sealing Narrow	276	LF	\$ 3.50	\$ 970
SPA	TL FUEL	10	WEATHERING	Medium	1,396	SF	10.0%	Stopgap	Surface Seal	1,396	SF	\$ 1.65	\$ 2,310
SPA	TW A	10	ALLIGATOR CR	Medium	138	SF	0.3%	Stopgap	AC Full-Depth Patching	189	SF	\$ 28.75	\$ 5,460
SPA	TW A	10	L & T CR	Medium	2,443	LF	6.0%	Stopgap	AC Crack Sealing Narrow	2,443	LF	\$ 3.50	\$ 8,560
SPA	TW A	10	WEATHERING	Medium	20,358	SF	50.0%	Stopgap	Surface Seal	20,358	SF	\$ 1.65	\$ 33,600
SPA	TW A	20	BLOCK CR	Medium	1,154	SF	2.1%	Stopgap	AC Crack Sealing Narrow	352	LF	\$ 3.50	\$ 1,240
SPA	TW A	20	L & T CR	Medium	2,727	LF	4.8%	Stopgap	AC Crack Sealing Narrow	2,727	LF	\$ 3.50	\$ 9,550
SPA	TW A	20	RAVELING	High	71	SF	0.1%	Stopgap	AC Partial-Depth Patching	71	SF	\$ 8.50	\$ 610
SPA	TW A	20	WEATHERING	Medium	27,676	SF	49.1%	Stopgap	Surface Seal	27,676	SF	\$ 1.65	\$ 45,670
SPA	TW A	22	BLOCK CR	Medium	3,266	SF	50.0%	Stopgap	AC Crack Sealing Narrow	995	LF	\$ 3.50	\$ 3,490
SPA	TW A	22	WEATHERING	Medium	4,900	SF	75.0%	Stopgap	Surface Seal	4,900	SF	\$ 1.65	\$ 8,090
SPA	TW A	30	BLOCK CR	Medium	9,999	SF	11.1%	Stopgap	AC Crack Sealing Narrow	3,048	LF	\$ 3.50	\$ 10,670
SPA	TW A	30	L & T CR	Medium	7,104	LF	7.9%	Stopgap	AC Crack Sealing Narrow	7,104	LF	\$ 3.50	\$ 24,870
SPA	TW A	30	WEATHERING	Medium	33,873	SF	37.5%	Stopgap	Surface Seal	33,873	SF	\$ 1.65	\$ 55,900
SPA	TW A4	20	BLOCK CR	Medium	2,328	SF	14.5%	Stopgap	AC Crack Sealing Narrow	710	LF	\$ 3.50	\$ 2,490
SPA	TW A4	20	WEATHERING	Medium	7,764	SF	48.4%	Stopgap	Surface Seal	7,764	SF	\$ 1.65	\$ 12,820
SPA	TW A5	20	L & T CR	Medium	1,121	LF	15.3%	Stopgap	AC Crack Sealing Narrow	1,121	LF	\$ 3.50	\$ 3,930
SPA	TW A5	20	WEATHERING	Medium	3,677	SF	50.0%	Stopgap	Surface Seal	3,677	SF	\$ 1.65	\$ 6,070
SPA	TW B	25	BLOCK CR	Medium	6,962	SF	50.0%	Stopgap	AC Crack Sealing Narrow	2,122	LF	\$ 3.50	\$ 7,430
SPA	TW B	30	L & T CR	Medium	5,671	LF	8.3%	Stopgap	AC Crack Sealing Narrow	5,671	LF	\$ 3.50	\$ 19,850
SPA	TW B	30	WEATHERING	Medium	60,721	SF	88.8%	Stopgap	Surface Seal	60,721	SF	\$ 1.65	\$ 100,190



STATEWIDE AIRFIELD PAVEMENT MANAGEMENT SYSTEM UPDATE

SPA - Spartanburg Downtown Memorial Airport/Simpson 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
2024	SPA	AP 01	10	AC	85,516	40	AC Reconstruction	\$ 3,079,000
2024	SPA	AP 01	30	AAC	251,041	31	AC Reconstruction	\$ 9,038,000
2024	SPA	AP 01	40	PCC	7,707	0	PCC Reconstruction	\$ 501,000
2024	SPA	AP 01	50	AC	8,547	12	AC Reconstruction	\$ 308,000
2024	SPA	AP 02	10	AC	10,018	31	AC Reconstruction	\$ 361,000
2024	SPA	AP 02	20	PCC	8,677	69	PCC Rehabilitation	\$ 306,000
2024	SPA	AP 02	35	AC	15,985	57	AC Rehabilitation	\$ 184,000
2024	SPA	AP 03	10	AC	21,804	40	AC Reconstruction	\$ 785,000
2024	SPA	TL 01	10	AAC	71,314	18	AC Reconstruction	\$ 2,568,000
2024	SPA	TL 01	20	AAC	21,973	35	AC Reconstruction	\$ 792,000
2024	SPA	TL 01	30	AC	47,634	56	AC Rehabilitation	\$ 548,000
2024	SPA	TL 01	40	AAC	18,659	41	AC Reconstruction	\$ 672,000
2024	SPA	TL FUEL	10	AC	13,948	19	AC Reconstruction	\$ 503,000
2024	SPA	TW A	10	AC	40,716	40	AC Reconstruction	\$ 1,466,000
2024	SPA	TW A	20	AC	56,367	44	AC Reconstruction	\$ 2,030,000
2024	SPA	TW A	22	AC	6,533	40	AC Reconstruction	\$ 236,000
2024	SPA	TW A	30	AC	90,328	38	AC Reconstruction	\$ 3,252,000
2024	SPA	TW A4	20	AC	16,029	42	AC Reconstruction	\$ 578,000
2024	SPA	TW A5	20	AC	7,355	38	AC Reconstruction	\$ 265,000
2024	SPA	TW B	25	AC	13,924	36	AC Reconstruction	\$ 502,000
2024	SPA	TW B	30	AC	68,413	45	AC Reconstruction	\$ 2,463,000
2025	SPA	AP 02	25	PCC	8,040	70	PCC Rehabilitation	\$ 292,000
2025	SPA	TW A	25	AC	6,399	69	AC Rehabilitation	\$ 76,000
Total 5-Year Major Rehabilitation Needs =								\$ 30,805,000



Appendix D – PCI Results Summary

RW 5

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
RW 5	RUNWAY	4	585,200	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	312,000	AC	2019	-	87	Good	100	0	0
20	198,000	AAC	2019	-	84	Satisfactory	100	0	0
30	10,000	AC	2019	-	83	Satisfactory	100	0	0
40	65,200	AC	2019	-	87	Good	100	0	0



RW 5-10



RW 5-20



RW 5-30



RW 5-40

TW A

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TW A	TAXIWAY	7	244,253	51	Poor

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	6,226	AC	2019	-	90	Good	100	0	0
10	40,716	AC	1984	-	41	Poor	66	25	9
20	56,367	AC	1984	-	45	Poor	96	0	4
22	6,533	AC	1980	-	41	Poor	100	0	0
25	6,399	AC	2002	-	72	Satisfactory	100	0	0
30	90,328	AC	1984	-	39	Very Poor	87	11	2
40	37,684	AC	2019	-	94	Good	100	0	0



TW A-10



TW A-20



TW A-22



TW A-30

TW A1

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TW A1	TAXIWAY	1	17,143	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
10	17,143	AC	2019	-	90	Good	100	0	0



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	23,994	94	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	23,994	AC	2019	-	94	Good	100	0	0



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	23,155	94	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	23,155	AC	2019	-	94	Good	100	0	0



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	2	26,605	61	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	10,576	AC	2019	-	89	Good	100	0	0
20	16,029	AC	1984	-	43	Poor	100	0	0



TW A4-10



TW A4-20

TW A5

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TW A5	TAXIWAY	2	19,329	73	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	11,974	AC	2019	-	94	Good	100	0	0
20	7,355	AC	1984	-	39	Very Poor	95	0	5



TW A5-10



TW A5-20

TW A7

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TW A7	TAXIWAY	1	23,994	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	23,994	AC	2019	-	89	Good	100	0	0



TW A7-10

TW A8

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TW A8	TAXIWAY	1	17,452	94	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	17,452	AC	2019	-	94	Good	100	0	0



TW A8-10

TW B

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TW B	TAXIWAY	2	82,337	44	Poor

Section ID	Area (SF)	Surface	Est. Last Major Work Year	Est. Last Global Treatment Year	PCI	Condition Rating	PCI % Climate	PCI % Load	PCI % Other
25	13,924	AC	1984	-	37	Very Poor	91	0	9
30	68,413	AC	1992	-	46	Poor	97	0	3



TW B-25



TW B-30

TWC

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TWC	TAXIWAY	1	37,630	93	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	37,630	PCC	2012	-	93	Good	33	0	67



TWC-10

TWD1

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TWD1	TAXIWAY	1	39,881	91	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	39,881	PCC	2012	-	91	Good	22	0	78



TWD1-10

TL 01

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TL 01	TAXILANE	4	159,580	35	Very Poor

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	71,314	AAC	1995	-	19	Serious	60	40	0
20	21,973	AAC	1995	-	36	Very Poor	100	0	0
30	47,634	AC	2012	-	57	Fair	100	0	0
40	18,659	AAC	1995	-	42	Poor	100	0	0



TL 01-10



TL 01-20



TL 01-30



TL 01-40

TL FUEL

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TL FUEL	TAXILANE	1	13,948	20	Serious

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	13,948	AC	2014	-	20	Serious	33	53	14



TL FUEL-10

TL HL

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TL HL	TAXILANE	1	1,250	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
05	1,250	PCC	2012	-	98	Good	100	0	0



TL HL-05

AP 01

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
AP 01	APRON	5	576,471	59	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	85,516	AC	1992	2000	42	Poor	100	0	0
15	223,660	PCC	2012	-	96	Good	32	17	51
30	251,041	AAC	1980	-	34	Very Poor	79	7	14
40	7,707	PCC	1960	-	0	Failed	8	92	0
50	8,547	AC	1965	-	15	Serious	53	39	8



AP 01-10



AP 01-30



AP 01-40



AP 01-50

AP 02

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
AP 02	APRON	6	104,382	73	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	10,018	AC	1999	-	34	Very Poor	100	0	0
20	8,677	PCC	1999	-	69	Fair	32	60	8
25	8,040	PCC	2012	-	71	Satisfactory	35	0	65
30	38,332	PCC	2013	-	73	Satisfactory	34	14	52
35	15,985	AC	2013	-	58	Fair	59	41	0
40	23,330	PCC	2022	-	100	Good	0	0	0



AP 02-10



AP 02-20



AP 02-30



AP 02-35

AP 03

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
AP 03	APRON	1	21,804	42	Poor

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	21,804	AC	1999	-	42	Poor	100	0	0



AP 03-10

HL 01

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
HL 01	HELIPAD	1	1,600	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
05	1,600	PCC	2012	-	98	Good	100	0	0



HL 01-05



Appendix E – Re-Inspection Report

Re-Inspection Report

SCAC_2023

Generated Date

5/31/2023

Page 1 of 45

Network: SPA **Name:** Spartanburg Downtown Memorial Airport/Simpson Field

Branch: AP 01 **Name:** APRON 01 **Use:** APRON **Area:** 576,471 SqFt

Section: 10 of 5 **From:** - **To:** - **Last Const.:** 7/1/1992

Surface: AC **Family:** SC2_AP_AC **Zone:** **Category:** G **Rank:** P

Area: 85,516 SqFt **Length:** 330 Ft **Width:** 300 Ft

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

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

Section Comments:

Work Date: 7/1/1992 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

Work Date: 7/1/1992 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

Work Date: 7/1/1992 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

Work Date: 1/1/2000 **Work Type:** Surface Seal - Rejuvenating **Code:** SS-RE **Is Major M&R:** False

Last Insp. Date: 1/11/2023 **Total Samples:** 17 **Surveyed:** 4

Conditions: PCI: 42

Inspection Comments:

Sample Number: 05 **Type:** R **Area:** 5000.00 SqFt **PCI:** 53

Sample Comments:

48 L & T CR L 516.00 Ft
 48 L & T CR M 172.00 Ft
 52 RAVELING L 4750.00 SqFt
 52 RAVELING M 250.00 SqFt

Sample Number: 11 **Type:** R **Area:** 5000.00 SqFt **PCI:** 40

Sample Comments:

43 BLOCK CR L 3750.00 SqFt
 43 BLOCK CR M 1250.00 SqFt
 52 RAVELING L 4500.00 SqFt
 52 RAVELING M 500.00 SqFt

Sample Number: 13 **Type:** R **Area:** 5000.00 SqFt **PCI:** 38

Sample Comments:

43 BLOCK CR L 2325.00 SqFt
 43 BLOCK CR M 775.00 SqFt
 48 L & T CR L 113.00 Ft
 48 L & T CR M 138.00 Ft
 52 RAVELING L 4750.00 SqFt
 52 RAVELING M 250.00 SqFt

Sample Number: 16 **Type:** R **Area:** 5624.00 SqFt **PCI:** 38

Sample Comments:

43 BLOCK CR L 3993.00 SqFt
 43 BLOCK CR M 1331.00 SqFt
 50 PATCHING L 300.00 SqFt
 52 RAVELING L 5058.00 SqFt
 52 RAVELING M 266.00 SqFt

Network: SPA **Name:** Spartanburg Downtown Memorial Airport/Simpson Field

Branch: AP 01 **Name:** APRON 01 **Use:** APRON **Area:** 576,471 SqFt

Section: 15 of 5 **From:** - **To:** - **Last Const.:** 1/1/2012

Surface: PCC **Family:** SC 234 NonRW PCC **Zone:** **Category:** **Rank:** P

Area: 223,660 SqFt **Length:** 500 Ft **Width:** 500 Ft

Slabs: 558 **Slab Length:** 20 Ft **Slab Width:** 20 Ft **Joint Length:** 24,000 Ft

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

Section Comments:

Work Date: 1/1/2012 **Work Type:** New Construction - PCC **Code:** NC-PC **Is Major M&R:** True

Last Insp. Date: 1/11/2023 **TotalSamples:** 30 **Surveyed:** 6

Conditions: PCI: 96

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 20.00 Slabs **PCI:** 90

Sample Comments:

63 LINEAR CR L 1.00 Slabs
66 SMALL PATCH L 1.00 Slabs
74 JOINT SPALL M 1.00 Slabs

Sample Number: 08 **Type:** R **Area:** 20.00 Slabs **PCI:** 97

Sample Comments:

65 JT SEAL DMG L 20.00 Slabs
66 SMALL PATCH L 1.00 Slabs

Sample Number: 09 **Type:** R **Area:** 20.00 Slabs **PCI:** 100

Sample Comments:

<No Distress>

Sample Number: 13 **Type:** R **Area:** 20.00 Slabs **PCI:** 96

Sample Comments:

73 SHRINKAGE CR N 2.00 Slabs
75 CORNER SPALL L 1.00 Slabs

Sample Number: 17 **Type:** R **Area:** 20.00 Slabs **PCI:** 100

Sample Comments:

<No Distress>

Sample Number: 23 **Type:** R **Area:** 20.00 Slabs **PCI:** 95

Sample Comments:

73 SHRINKAGE CR N 5.00 Slabs
74 JOINT SPALL L 1.00 Slabs

Network: SPA **Name:** Spartanburg Downtown Memorial Airport/Simpson Field

Branch: AP 01 **Name:** APRON 01 **Use:** APRON **Area:** 576,471 SqFt

Section: 30 of 5 **From:** - **To:** - **Last Const.:** 7/1/1980

Surface: AAC **Family:** SC2_AP_AC **Zone:** **Category:** G **Rank:** P

Area: 251,041 SqFt **Length:** 400 Ft **Width:** 350 Ft

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

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

Section Comments:

Work Date: 6/1/1943 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

Work Date: 6/1/1943 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

Work Date: 6/1/1943 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

Work Date: 7/1/1980 **Work Type:** Overlay - AC Structural **Code:** OL-AS **Is Major M&R:** True

Last Insp. Date: 1/11/2023 **TotalSamples:** 50 **Surveyed:** 10

Conditions: PCI: 34

Inspection Comments:

Sample Number: 05 **Type:** R **Area:** 5000.00 SqFt **PCI:** 30

Sample Comments:

41 ALLIGATOR CR L 138.00 SqFt
43 BLOCK CR L 2431.00 SqFt
43 BLOCK CR M 2431.00 SqFt
52 RAVELING L 500.00 SqFt
56 SWELLING L 200.00 SqFt
57 WEATHERING M 4500.00 SqFt

Sample Number: 08 **Type:** R **Area:** 5000.00 SqFt **PCI:** 22

Sample Comments:

42 BLEEDING N 758.00 SqFt
43 BLOCK CR L 2500.00 SqFt
43 BLOCK CR M 2500.00 SqFt
52 RAVELING L 500.00 SqFt
56 SWELLING L 600.00 SqFt
57 WEATHERING M 4500.00 SqFt

Sample Number: 11 **Type:** R **Area:** 5000.00 SqFt **PCI:** 30

Sample Comments:

43 BLOCK CR L 2435.00 SqFt
43 BLOCK CR M 2435.00 SqFt
50 PATCHING L 130.00 SqFt
52 RAVELING L 2487.00 SqFt
52 RAVELING M 250.00 SqFt
56 SWELLING L 400.00 SqFt
57 WEATHERING M 2133.00 SqFt

Sample Number: 14 **Type:** R **Area:** 5000.00 SqFt **PCI:** 37

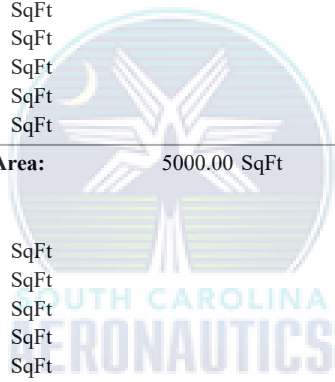
Sample Comments:

43 BLOCK CR L 2500.00 SqFt
43 BLOCK CR M 2500.00 SqFt
52 RAVELING L 2750.00 SqFt
56 SWELLING L 250.00 SqFt
57 WEATHERING M 2250.00 SqFt

Sample Number: 15 **Type:** R **Area:** 5000.00 SqFt **PCI:** 40

Sample Comments:

43 BLOCK CR L 2500.00 SqFt
43 BLOCK CR M 2500.00 SqFt
52 RAVELING L 2750.00 SqFt
57 WEATHERING M 2250.00 SqFt



Sample Number: 16 **Type:** R **Area:** 5000.00 SqFt **PCI:** 38

Sample Comments:

43	BLOCK CR	L	2500.00	SqFt
43	BLOCK CR	M	2500.00	SqFt
52	RAVELING	L	500.00	SqFt
56	SWELLING	L	200.00	SqFt
57	WEATHERING	M	4500.00	SqFt

Sample Number: 20 **Type:** R **Area:** 5000.00 SqFt **PCI:** 32

Sample Comments:

42	BLEEDING	N	162.00	SqFt
43	BLOCK CR	L	2500.00	SqFt
43	BLOCK CR	M	2500.00	SqFt
52	RAVELING	L	3425.00	SqFt
56	SWELLING	L	600.00	SqFt
57	WEATHERING	M	1575.00	SqFt

Sample Number: 28 **Type:** R **Area:** 5000.00 SqFt **PCI:** 32

Sample Comments:

43	BLOCK CR	M	5000.00	SqFt
52	RAVELING	L	500.00	SqFt
56	SWELLING	L	600.00	SqFt
57	WEATHERING	M	4500.00	SqFt

Sample Number: 36 **Type:** R **Area:** 6576.00 SqFt **PCI:** 36

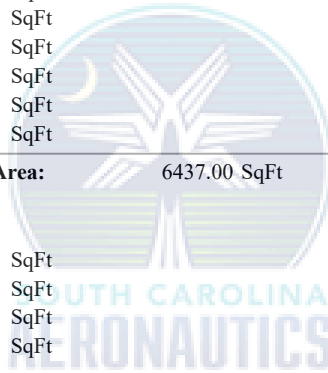
Sample Comments:

43	BLOCK CR	L	3288.00	SqFt
43	BLOCK CR	M	3288.00	SqFt
52	RAVELING	L	2283.00	SqFt
52	RAVELING	M	625.00	SqFt
56	SWELLING	L	75.00	SqFt
57	WEATHERING	M	3668.00	SqFt

Sample Number: 49 **Type:** R **Area:** 6437.00 SqFt **PCI:** 39

Sample Comments:

43	BLOCK CR	L	3219.00	SqFt
43	BLOCK CR	M	3218.00	SqFt
52	RAVELING	L	6437.00	SqFt
56	SWELLING	L	15.00	SqFt



Network: SPA **Name:** Spartanburg Downtown Memorial Airport/Simpson Field

Branch: AP 01 **Name:** APRON 01 **Use:** APRON **Area:** 576,471 SqFt

Section: 40 of 5 **From:** - **To:** - **Last Const.:** 6/1/1960

Surface: PCC **Family:** SC 234 NonRW PCC **Zone:** **Category:** G **Rank:** S

Area: 7,707 SqFt **Length:** 200 Ft **Width:** 30 Ft

Slabs: 22 **Slab Length:** 14 Ft **Slab Width:** 25 Ft **Joint Length:** 439 Ft

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

Section Comments:

Work Date: 6/1/1960 **Work Type:** Surface Course - PCC (Layer Construct) **Code:** SU-PC **Is Major M&R:** False

Work Date: 6/1/1960 **Work Type:** New Construction - PCC **Code:** NC-PC **Is Major M&R:** True

Last Insp. Date: 1/11/2023 **TotalSamples:** 1 **Surveyed:** 1

Conditions: PCI: 0

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 24.00 Slabs **PCI:** 0

Sample Comments:

65 JT SEAL DMG H 24.00 Slabs

72 SHAT. SLAB M 12.00 Slabs

72 SHAT. SLAB H 12.00 Slabs



Network: SPA **Name:** Spartanburg Downtown Memorial Airport/Simpson Field

Branch: AP 01 **Name:** APRON 01 **Use:** APRON **Area:** 576,471 SqFt

Section: 50 of 5 **From:** - **To:** - **Last Const.:** 6/1/1965

Surface: AC **Family:** SC2_AP_AC **Zone:** **Category:** G **Rank:** S

Area: 8,547 SqFt **Length:** 163 Ft **Width:** 59 Ft

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

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

Section Comments:

Work Date: 6/1/1965 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

Work Date: 6/1/1965 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

Last Insp. Date: 1/11/2023 **TotalSamples:** 2 **Surveyed:** 1

Conditions: PCI: 15

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 3601.00 SqFt **PCI:** 15

Sample Comments:

41	ALLIGATOR CR	M	400.00	SqFt
43	BLOCK CR	M	3201.00	SqFt
52	RAVELING	L	3601.00	SqFt
54	SHOVING	L	48.00	SqFt
56	SWELLING	L	60.00	SqFt



Network: SPA **Name:** Spartanburg Downtown Memorial Airport/Simpson Field

Branch: AP 02 **Name:** APRON 02 **Use:** APRON **Area:** 104,382 SqFt

Section: 10 of 6 **From:** - **To:** - **Last Const.:** 6/1/1999

Surface: AC **Family:** SC2_AP_AC **Zone:** **Category:** G **Rank:** P

Area: 10,018 SqFt **Length:** 125 Ft **Width:** 75 Ft

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

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

Section Comments:

Work Date: 6/1/1999 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

Work Date: 6/1/1999 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

Last Insp. Date: 1/11/2023 **TotalSamples:** 3 **Surveyed:** 1

Conditions: PCI: 34

Inspection Comments:

Sample Number: 02 **Type:** R **Area:** 3488.00 SqFt **PCI:** 34

Sample Comments:

43	BLOCK CR	M	3123.00	SqFt
50	PATCHING	L	230.00	SqFt
52	RAVELING	L	326.00	SqFt
57	WEATHERING	M	2932.00	SqFt



Network: SPA **Name:** Spartanburg Downtown Memorial Airport/Simpson Field

Branch: AP 02 **Name:** APRON 02 **Use:** APRON **Area:** 104,382 SqFt

Section: 20 of 6 **From:** - **To:** - **Last Const.:** 6/1/1999

Surface: PCC **Family:** SC 234 NonRW PCC **Zone:** **Category:** G **Rank:** P

Area: 8,677 SqFt **Length:** 132 Ft **Width:** 73 Ft

Slabs: 47 **Slab Length:** 14 Ft **Slab Width:** 13 Ft **Joint Length:** 1,225 Ft

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

Section Comments:

Work Date: 6/1/1999 **Work Type:** Surface Course - PCC (Layer Construct) **Code:** SU-PC **Is Major M&R:** False

Work Date: 6/1/1999 **Work Type:** New Construction - PCC **Code:** NC-PC **Is Major M&R:** True

Last Insp. Date: 1/11/2023 **TotalSamples:** 3 **Surveyed:** 1

Conditions: PCI: 69

Inspection Comments:

Sample Number: 02 **Type:** R **Area:** 15.00 Slabs **PCI:** 69

Sample Comments:

- 63 LINEAR CR M 2.00 Slabs
- 65 JT SEAL DMG H 15.00 Slabs
- 66 SMALL PATCH L 3.00 Slabs



Network: SPA **Name:** Spartanburg Downtown Memorial Airport/Simpson Field

Branch: AP 02 **Name:** APRON 02 **Use:** APRON **Area:** 104,382 SqFt

Section: 25 of 6 **From:** - **To:** - **Last Const.:** 1/1/2012

Surface: PCC **Family:** SC 234 NonRW PCC **Zone:** **Category:** G **Rank:** P

Area: 8,040 SqFt **Length:** 134 Ft **Width:** 60 Ft

Slabs: 41 **Slab Length:** 13 Ft **Slab Width:** 15 Ft **Joint Length:** 960 Ft

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

Section Comments:

Work Date: 6/1/1999 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

Work Date: 6/1/1999 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

Work Date: 1/1/2012 **Work Type:** Complete Reconstruction - PCC **Code:** CR-PC **Is Major M&R:** True

Last Insp. Date: 1/11/2023 **TotalSamples:** 2 **Surveyed:** 1

Conditions: PCI: 71

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 20.00 Slabs **PCI:** 71

Sample Comments:

65	JT SEAL DMG	H	20.00	Slabs
66	SMALL PATCH	M	1.00	Slabs
73	SHRINKAGE CR	N	20.00	Slabs
74	JOINT SPALL	L	1.00	Slabs
75	CORNER SPALL	M	1.00	Slabs



Network: SPA **Name:** Spartanburg Downtown Memorial Airport/Simpson Field

Branch: AP 02 **Name:** APRON 02 **Use:** APRON **Area:** 104,382 SqFt

Section: 30 of 6 **From:** - **To:** - **Last Const.:** 1/1/2013

Surface: PCC **Family:** SC 234 NonRW PCC **Zone:** **Category:** **Rank:** P

Area: 38,332 SqFt **Length:** 300 Ft **Width:** 130 Ft

Slabs: 203 **Slab Length:** 13 Ft **Slab Width:** 15 Ft **Joint Length:** 5,170 Ft

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

Section Comments:

Work Date: 1/1/2013 **Work Type:** New Construction - PCC **Code:** NC-PC **Is Major M&R:** True

Work Date: 7/1/2022 **Work Type:** Slab Replacement - PCC **Code:** SL-PC **Is Major M&R:** False

Last Insp. Date: 1/11/2023 **TotalSamples:** 10 **Surveyed:** 2

Conditions: PCI: 73

Inspection Comments:

Sample Number: 02 **Type:** R **Area:** 20.00 Slabs **PCI:** 70

Sample Comments:

63 LINEAR CR L 2.00 Slabs

65 JT SEAL DMG H 20.00 Slabs

73 SHRINKAGE CR N 20.00 Slabs

74 JOINT SPALL L 1.00 Slabs

75 CORNER SPALL M 1.00 Slabs

Sample Number: 08 **Type:** R **Area:** 20.00 Slabs **PCI:** 77

Sample Comments:

65 JT SEAL DMG H 20.00 Slabs

73 SHRINKAGE CR N 20.00 Slabs

75 CORNER SPALL L 1.00 Slabs



Network: SPA **Name:** Spartanburg Downtown Memorial Airport/Simpson Field

Branch: AP 02 **Name:** APRON 02 **Use:** APRON **Area:** 104,382 SqFt

Section: 35 of 6 **From:** - **To:** - **Last Const.:** 1/1/2013

Surface: AC **Family:** SC2_AP_AC **Zone:** **Category:** **Rank:** P

Area: 15,985 SqFt **Length:** 200 Ft **Width:** 75 Ft

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

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

Section Comments:

Work Date: 1/1/2013 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

Last Insp. Date: 1/11/2023 **Total Samples:** 4 **Surveyed:** 1

Conditions: PCI: 58

Inspection Comments:

Sample Number: 03 **Type:** R **Area:** 3875.00 SqFt **PCI:** 58

Sample Comments:

41	ALLIGATOR CR	L	54.00	SqFt
48	L & T CR	L	144.00	Ft
48	L & T CR	M	50.00	Ft
57	WEATHERING	L	3681.00	SqFt
57	WEATHERING	M	194.00	SqFt



Network: SPA **Name:** Spartanburg Downtown Memorial Airport/Simpson Field

Branch: AP 02 **Name:** APRON 02 **Use:** APRON **Area:** 104,382 SqFt

Section: 40 of 6 **From:** - **To:** - **Last Const.:** 7/1/2022

Surface: PCC **Family:** SC 234 NonRW PCC **Zone:** **Category:** G **Rank:** P

Area: 23,330 SqFt **Length:** 208 Ft **Width:** 180 Ft

Slabs: 125 **Slab Length:** 14 Ft **Slab Width:** 13 Ft **Joint Length:** 5,166 Ft

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

Section Comments:

Work Date: 6/1/1999 **Work Type:** Surface Course - PCC (Layer Construct) **Code:** SU-PC **Is Major M&R:** False

Work Date: 6/1/1999 **Work Type:** New Construction - PCC **Code:** NC-PC **Is Major M&R:** True

Work Date: 7/1/2022 **Work Type:** Complete Reconstruction - PCC **Code:** CR-PC **Is Major M&R:** True

Last Insp. Date: 6/2/2016 **TotalSamples:** 6 **Surveyed:** 2

Conditions: PCI: 46 **NOTE: *** Pre-Construction PCI *****

Inspection Comments:

Sample Number: 02 **Type:** R **Area:** 20.00 Slabs **PCI:** 17

Sample Comments:

62	CORNER BREAK	L	2.00	Slabs
62	CORNER BREAK	M	2.00	Slabs
63	LINEAR CRACKING	L	2.00	Slabs
63	LINEAR CRACKING	M	1.00	Slabs
65	JOINT SEAL DAMAGE	M	20.00	Slabs
72	SHATTERED SLAB	M	3.00	Slabs
72	SHATTERED SLAB	H	4.00	Slabs
73	SHRINKAGE CRACKING	N	7.00	Slabs
74	JOINT SPALLING	M	1.00	Slabs
75	CORNER SPALLING	L	1.00	Slabs
75	CORNER SPALLING	M	1.00	Slabs

Sample Number: 04 **Type:** R **Area:** 20.00 Slabs **PCI:** 75

Sample Comments:

62	CORNER BREAK	L	1.00	Slabs
63	LINEAR CRACKING	L	1.00	Slabs
65	JOINT SEAL DAMAGE	M	20.00	Slabs
73	SHRINKAGE CRACKING	N	3.00	Slabs
75	CORNER SPALLING	L	1.00	Slabs
75	CORNER SPALLING	M	1.00	Slabs



Network:	SPA		Name:	Spartanburg Downtown Memorial Airport/Simpson Field			
Branch:	AP 03	Name:	APRON 03	Use:	APRON	Area:	21,804 SqFt
Section:	10	of 1	From:	-	To:	-	Last Const.: 6/1/1999
Surface:	AC	Family:	SC2_AP_AC	Zone:		Category:	G
Area:	21,804 SqFt	Length:	187 Ft	Width:	150 Ft	Rank:	P
Slabs:		Slab Length:	Ft	Slab Width:	Ft	Joint Length:	Ft
Shoulder:		Street Type:		Grade:	0	Lanes:	0
Section Comments:							
Work Date:	6/1/1999	Work Type:	Surface Course - AC (Layer Construct)		Code:	SU-AC	Is Major M&R: False
Work Date:	6/1/1999	Work Type:	New Construction - AC		Code:	NC-AC	Is Major M&R: True
Last Insp. Date:	1/11/2023	TotalSamples:	5	Surveyed:	1		
Conditions:	PCI: 42						
Inspection Comments:							
Sample Number:	02	Type:	R	Area:	4143.00 SqFt	PCI:	42
Sample Comments:							
43	BLOCK CR	M	4143.00	SqFt			
52	RAVELING	L	4143.00	SqFt			



Network:	SPA		Name:	Spartanburg Downtown Memorial Airport/Simpson Field				
Branch:	HL 01	Name:	HELIPAD 01	Use:	HELIPAD	Area:	1,600 SqFt	
Section:	05	of 1	From:	-	To:	-	Last Const.:	1/1/2012
Surface:	PCC	Family:	SC 234 NonRW PCC	Zone:		Category:	Rank:	P
Area:	1,600 SqFt	Length:	40 Ft	Width:	40 Ft			
Slabs:	9	Slab Length:	12 Ft	Slab Width:	13 Ft	Joint Length:	167 Ft	
Shoulder:		Street Type:		Grade:	0	Lanes:	0	
Section Comments:								
Work Date:	1/1/2012	Work Type:	New Construction - PCC	Code:	NC-PC	Is Major M&R:	True	
Last Insp. Date:	1/11/2023	Total Samples:	1	Surveyed:	1			
Conditions:	PCI: 98							
Inspection Comments:								
Sample Number:	01	Type:	R	Area:	9.00 Slabs	PCI:	98	
Sample Comments:								
65	JT SEAL DMG	L		9.00	Slabs			



Network: SPA **Name:** Spartanburg Downtown Memorial Airport/Simpson Field

Branch: RW 5 **Name:** RUNWAY 5-23 **Use:** RUNWAY **Area:** 585,200 SqFt

Section: 10 of 4 **From:** - **To:** - **Last Const.:** 1/1/2019
Surface: AC **Family:** SC2_RW_AC **Zone:** **Category:** G **Rank:** P
Area: 312,000 SqFt **Length:** 3,120 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: 3/1/1990 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True
Work Date: 5/1/1999 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False
Work Date: 1/1/2019 **Work Type:** Complete Reconstruction - AC **Code:** CR-AC **Is Major M&R:** True
Work Date: 1/2/2019 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False
Work Date: 1/3/2019 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

Last Insp. Date: 1/11/2023 **TotalSamples:** 62 **Surveyed:** 13
Conditions: PCI: 87
Inspection Comments:

Sample Number: 02 **Type:** R **Area:** 6000.00 SqFt **PCI:** 87
Sample Comments:

48 L & T CR L 141.00 Ft
57 WEATHERING L 6000.00 SqFt

Sample Number: 07 **Type:** R **Area:** 5000.00 SqFt **PCI:** 88
Sample Comments:

48 L & T CR L 100.00 Ft
57 WEATHERING L 5000.00 SqFt

Sample Number: 12 **Type:** R **Area:** 5000.00 SqFt **PCI:** 88
Sample Comments:

48 L & T CR L 96.00 Ft
57 WEATHERING L 5000.00 SqFt

Sample Number: 17 **Type:** R **Area:** 5000.00 SqFt **PCI:** 87
Sample Comments:

48 L & T CR L 103.00 Ft
57 WEATHERING L 5000.00 SqFt

Sample Number: 22 **Type:** R **Area:** 5000.00 SqFt **PCI:** 89
Sample Comments:

48 L & T CR L 79.00 Ft
57 WEATHERING L 5000.00 SqFt

Sample Number: 27 **Type:** R **Area:** 5000.00 SqFt **PCI:** 85
Sample Comments:

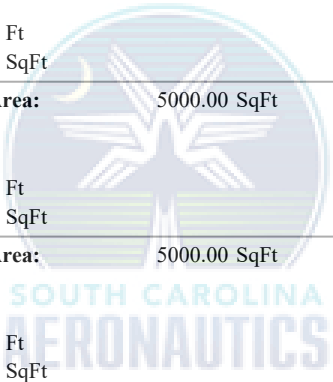
48 L & T CR L 146.00 Ft
57 WEATHERING L 5000.00 SqFt

Sample Number: 32 **Type:** R **Area:** 5000.00 SqFt **PCI:** 86
Sample Comments:

48 L & T CR L 121.00 Ft
57 WEATHERING L 5000.00 SqFt

Sample Number: 37 **Type:** R **Area:** 5000.00 SqFt **PCI:** 84
Sample Comments:

48 L & T CR L 175.00 Ft
57 WEATHERING L 5000.00 SqFt



Sample Number: 42	Type: R	Area: 5000.00 SqFt	PCI: 89
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Sample Comments:

48	L & T CR	L	79.00 Ft
57	WEATHERING	L	5000.00 SqFt

Sample Number: 47	Type: R	Area: 5000.00 SqFt	PCI: 88
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Sample Comments:

48	L & T CR	L	100.00 Ft
57	WEATHERING	L	5000.00 SqFt

Sample Number: 52	Type: R	Area: 5000.00 SqFt	PCI: 88
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Sample Comments:

48	L & T CR	L	92.00 Ft
57	WEATHERING	L	5000.00 SqFt

Sample Number: 57	Type: R	Area: 5000.00 SqFt	PCI: 88
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Sample Comments:

48	L & T CR	L	95.00 Ft
57	WEATHERING	L	5000.00 SqFt

Sample Number: 62	Type: R	Area: 5000.00 SqFt	PCI: 82
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Sample Comments:

48	L & T CR	L	211.00 Ft
57	WEATHERING	L	5000.00 SqFt



Network: SPA **Name:** Spartanburg Downtown Memorial Airport/Simpson Field

Branch: RW 5 **Name:** RUNWAY 5-23 **Use:** RUNWAY **Area:** 585,200 SqFt

Section: 20 of 4 **From:** - **To:** - **Last Const.:** 1/1/2019

Surface: AAC **Family:** SC2_RW_AC **Zone:** **Category:** G **Rank:** P

Area: 198,000 SqFt **Length:** 1,980 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: 3/1/1990 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

Work Date: 5/1/1999 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Work Date: 1/1/2019 **Work Type:** Mill and Overlay **Code:** ML-OV **Is Major M&R:** True

Work Date: 1/2/2019 **Work Type:** Base Course - Bituminous **Code:** BA-BI **Is Major M&R:** False

Work Date: 1/3/2019 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

Last Insp. Date: 1/11/2023 **TotalSamples:** 39 **Surveyed:** 8

Conditions: PCI: 84

Inspection Comments:

Sample Number: 05 **Type:** R **Area:** 5000.00 SqFt **PCI:** 81

Sample Comments:

48 L & T CR L 225.00 Ft
57 WEATHERING L 5000.00 SqFt

Sample Number: 09 **Type:** R **Area:** 5000.00 SqFt **PCI:** 86

Sample Comments:

48 L & T CR L 128.00 Ft
57 WEATHERING L 5000.00 SqFt

Sample Number: 14 **Type:** R **Area:** 5000.00 SqFt **PCI:** 87

Sample Comments:

48 L & T CR L 120.00 Ft
57 WEATHERING L 5000.00 SqFt

Sample Number: 19 **Type:** R **Area:** 5000.00 SqFt **PCI:** 83

Sample Comments:

48 L & T CR L 199.00 Ft
57 WEATHERING L 5000.00 SqFt

Sample Number: 24 **Type:** R **Area:** 5000.00 SqFt **PCI:** 83

Sample Comments:

48 L & T CR L 184.00 Ft
57 WEATHERING L 5000.00 SqFt

Sample Number: 29 **Type:** R **Area:** 5000.00 SqFt **PCI:** 84

Sample Comments:

48 L & T CR L 167.00 Ft
57 WEATHERING L 5000.00 SqFt

Sample Number: 34 **Type:** R **Area:** 5000.00 SqFt **PCI:** 84

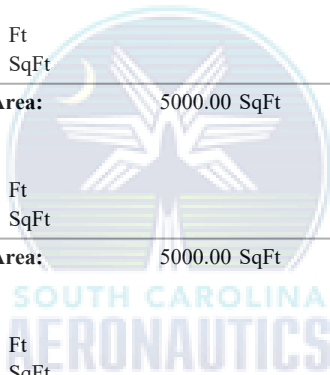
Sample Comments:

48 L & T CR L 172.00 Ft
57 WEATHERING L 5000.00 SqFt

Sample Number: 39 **Type:** R **Area:** 5000.00 SqFt **PCI:** 84

Sample Comments:

48 L & T CR L 176.00 Ft
57 WEATHERING L 5000.00 SqFt



Network: SPA **Name:** Spartanburg Downtown Memorial Airport/Simpson Field

Branch: RW 5 **Name:** RUNWAY 5-23 **Use:** RUNWAY **Area:** 585,200 SqFt

Section: 30 of 4 **From:** - **To:** - **Last Const.:** 1/1/2019

Surface: AC **Family:** SC2_RW_AC **Zone:** **Category:** G **Rank:** P

Area: 10,000 SqFt **Length:** 100 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: 3/1/1990 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

Work Date: 5/1/1999 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Work Date: 1/1/2019 **Work Type:** Complete Reconstruction - AC **Code:** CR-AC **Is Major M&R:** True

Work Date: 1/2/2019 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

Work Date: 1/3/2019 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

Last Insp. Date: 1/11/2023 **Total Samples:** 2 **Surveyed:** 1

Conditions: PCI: 83

Inspection Comments:

Sample Number: 02 **Type:** R **Area:** 5000.00 SqFt **PCI:** 83

Sample Comments:

48 L & T CR L 179.00 Ft
57 WEATHERING L 5000.00 SqFt



Network: SPA **Name:** Spartanburg Downtown Memorial Airport/Simpson Field

Branch: RW 5 **Name:** RUNWAY 5-23 **Use:** RUNWAY **Area:** 585,200 SqFt

Section: 40 of 4 **From:** - **To:** - **Last Const.:** 1/1/2019

Surface: AC **Family:** SC2_RW_AC **Zone:** **Category:** **Rank:** P

Area: 65,200 SqFt **Length:** 652 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: 1/1/2019 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

Work Date: 1/2/2019 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

Work Date: 1/3/2019 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

Last Insp. Date: 1/11/2023 **TotalSamples:** 13 **Surveyed:** 3

Conditions: PCI: 87

Inspection Comments:

Sample Number: 04 **Type:** R **Area:** 5000.00 SqFt **PCI:** 85

Sample Comments:

48 L & T CR L 152.00 Ft
57 WEATHERING L 5000.00 SqFt

Sample Number: 08 **Type:** R **Area:** 5000.00 SqFt **PCI:** 86

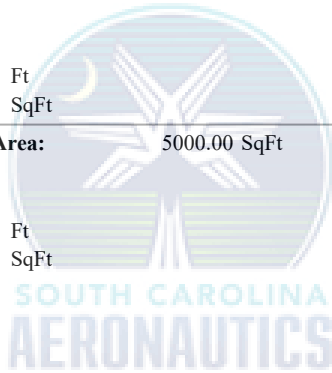
Sample Comments:

48 L & T CR L 135.00 Ft
57 WEATHERING L 5000.00 SqFt

Sample Number: 12 **Type:** R **Area:** 5000.00 SqFt **PCI:** 89

Sample Comments:

48 L & T CR L 54.00 Ft
57 WEATHERING L 5000.00 SqFt



Network: SPA **Name:** Spartanburg Downtown Memorial Airport/Simpson Field

Branch: TL 01 **Name:** TAXILANE 01 **Use:** TAXILANE **Area:** 159,580 SqFt

Section: 10 of 4 **From:** - **To:** - **Last Const.:** 1/1/1995

Surface: AAC **Family:** SC2_TWTL_AC **Zone:** **Category:** G **Rank:** T

Area: 71,314 SqFt **Length:** 605 Ft **Width:** 138 Ft

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

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

Section Comments:

Work Date: 6/1/1943 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

Work Date: 11/1/1984 **Work Type:** Overlay - AC Structural **Code:** OL-AS **Is Major M&R:** True

Work Date: 1/1/1995 **Work Type:** Overlay - AC Structural **Code:** OL-AS **Is Major M&R:** True

Last Insp. Date: 1/11/2023 **TotalSamples:** 15 **Surveyed:** 3

Conditions: PCI: 19

Inspection Comments:

Sample Number: 03 **Type:** R **Area:** 4400.00 SqFt **PCI:** 25

Sample Comments:

41 ALLIGATOR CR M 170.00 SqFt

43 BLOCK CR M 3630.00 SqFt

50 PATCHING L 600.00 SqFt

52 RAVELING L 3800.00 SqFt

Sample Number: 11 **Type:** R **Area:** 4500.00 SqFt **PCI:** 16

Sample Comments:

41 ALLIGATOR CR M 1200.00 SqFt

43 BLOCK CR M 2800.00 SqFt

50 PATCHING L 372.00 SqFt

50 PATCHING M 128.00 SqFt

52 RAVELING L 4000.00 SqFt

Sample Number: 15 **Type:** R **Area:** 4500.00 SqFt **PCI:** 16

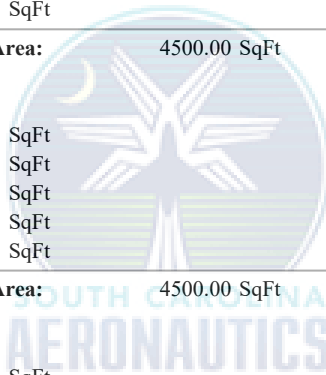
Sample Comments:

41 ALLIGATOR CR M 1149.00 SqFt

43 BLOCK CR M 2682.00 SqFt

50 PATCHING L 669.00 SqFt

52 RAVELING L 3831.00 SqFt



Network: SPA **Name:** Spartanburg Downtown Memorial Airport/Simpson Field

Branch: TL 01 **Name:** TAXILANE 01 **Use:** TAXILANE **Area:** 159,580 SqFt

Section: 20 of 4 **From:** - **To:** - **Last Const.:** 1/1/1995

Surface: AAC **Family:** SC2_TWTL_AC **Zone:** **Category:** G **Rank:** T

Area: 21,973 SqFt **Length:** 200 Ft **Width:** 145 Ft

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

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

Section Comments:

Work Date: 6/1/1943 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

Work Date: 1/1/1995 **Work Type:** Overlay - AC Structural **Code:** OL-AS **Is Major M&R:** True

Last Insp. Date: 1/11/2023 **Total Samples:** 5 **Surveyed:** 1

Conditions: PCI: 36

Inspection Comments:

Sample Number: 02 **Type:** R **Area:** 4400.00 SqFt **PCI:** 36

Sample Comments:

43	BLOCK CR	M	3500.00	SqFt
50	PATCHING	L	900.00	SqFt
52	RAVELING	L	155.00	SqFt
57	WEATHERING	M	3345.00	SqFt



Network: SPA **Name:** Spartanburg Downtown Memorial Airport/Simpson Field

Branch: TL 01 **Name:** TAXILANE 01 **Use:** TAXILANE **Area:** 159,580 SqFt

Section: 30 of 4 **From:** - **To:** - **Last Const.:** 1/1/2012

Surface: AC **Family:** SC2_TWTL_AC **Zone:** **Category:** **Rank:** P

Area: 47,634 SqFt **Length:** 1,100 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: 1/1/2012 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

Last Insp. Date: 1/11/2023 **Total Samples:** 11 **Surveyed:** 3

Conditions: PCI: 57

Inspection Comments:

Sample Number: 02 **Type:** R **Area:** 4723.00 SqFt **PCI:** 57

Sample Comments:

48 L & T CR L 125.00 Ft
48 L & T CR M 300.00 Ft
57 WEATHERING L 4487.00 SqFt
57 WEATHERING M 236.00 SqFt

Sample Number: 05 **Type:** R **Area:** 4800.00 SqFt **PCI:** 58

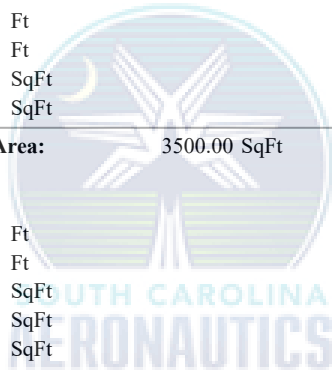
Sample Comments:

48 L & T CR L 258.00 Ft
48 L & T CR M 300.00 Ft
57 WEATHERING L 4560.00 SqFt
57 WEATHERING M 240.00 SqFt

Sample Number: 08 **Type:** R **Area:** 3500.00 SqFt **PCI:** 55

Sample Comments:

48 L & T CR L 59.00 Ft
48 L & T CR M 200.00 Ft
52 RAVELING L 300.00 SqFt
57 WEATHERING L 3040.00 SqFt
57 WEATHERING M 160.00 SqFt



Network:	SPA		Name:	Spartanburg Downtown Memorial Airport/Simpson Field				
Branch:	TL 01	Name:	TAXILANE 01	Use:	TAXILANE	Area:	159,580 SqFt	
Section:	40	of 4	From:	-	To:	-	Last Const.:	1/1/1995
Surface:	AAC	Family:	SC2_TWTL_AC	Zone:		Category:	Rank:	S
Area:	18,659 SqFt	Length:	380 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:	6/1/1943	Work Type:	New Construction - AC	Code:	NC-AC	Is Major M&R:	True	
Work Date:	1/1/1995	Work Type:	Overlay - AC Structural	Code:	OL-AS	Is Major M&R:	True	
Last Insp. Date:	1/11/2023	Total Samples:	4	Surveyed:	1			
Conditions:	PCI: 42							
Inspection Comments:								
Sample Number:	02	Type:	R	Area:	4999.00 SqFt	PCI:	42	
Sample Comments:								
43	BLOCK CR	M	4999.00	SqFt				
52	RAVELING	L	4999.00	SqFt				



Network: SPA **Name:** Spartanburg Downtown Memorial Airport/Simpson Field

Branch: TL FUEL **Name:** FUEL TAXILANE **Use:** TAXILANE **Area:** 13,948 SqFt

Section: 10 of 1 **From:** - **To:** - **Last Const.:** 7/1/2014

Surface: AC **Family:** SC2_TWTL_AC **Zone:** **Category:** **Rank:** T

Area: 13,948 SqFt **Length:** 325 Ft **Width:** 32 Ft

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

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

Section Comments:

Work Date: 7/1/2014 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

Work Date: 7/2/2014 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

Work Date: 7/3/2014 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

Work Date: 1/1/2015 **Work Type:** Patching - AC **Code:** PA-AC **Is Major M&R:** False

Last Insp. Date: 1/11/2023 **TotalSamples:** 2 **Surveyed:** 1

Conditions: PCI: 20

Inspection Comments:

Sample Number: 02 **Type:** R **Area:** 6976.00 SqFt **PCI:** 20

Sample Comments:

41	ALLIGATOR CR	M	1066.00	SqFt
45	DEPRESSION	M	78.00	SqFt
48	L & T CR	L	259.00	Ft
48	L & T CR	M	138.00	Ft
57	WEATHERING	L	6278.00	SqFt
57	WEATHERING	M	698.00	SqFt



Network:	SPA		Name:	Spartanburg Downtown Memorial Airport/Simpson Field			
Branch:	TL HL	Name:	HELIPAD TAXILANE	Use:	TAXILANE	Area:	1,250 SqFt
Section:	05	of 1	From:	-	To:	-	Last Const.: 1/1/2012
Surface:	PCC	Family:	SC 234 NonRW PCC	Zone:		Category:	Rank: P
Area:	1,250 SqFt	Length:	50 Ft	Width:	25 Ft		
Slabs:	8	Slab Length:	12 Ft	Slab Width:	12 Ft	Joint Length:	125 Ft
Shoulder:		Street Type:		Grade:	0	Lanes:	0
Section Comments:							
Work Date:	1/1/2012	Work Type:	New Construction - PCC	Code:	NC-PC	Is Major M&R:	True
Last Insp. Date:	1/11/2023	Total Samples:	1	Surveyed:	1		
Conditions:	PCI: 98						
Inspection Comments:							
Sample Number:	01	Type:	R	Area:	8.00 Slabs	PCI:	98
Sample Comments:							
65	JT SEAL DMG	L		8.00	Slabs		



Network: SPA **Name:** Spartanburg Downtown Memorial Airport/Simpson Field

Branch: TW A **Name:** TAXIWAY A **Use:** TAXIWAY **Area:** 244,253 SqFt

Section: 05 of 7 **From:** - **To:** - **Last Const.:** 1/1/2019

Surface: AC **Family:** SC2_TWTL_AC **Zone:** **Category:** G **Rank:** P

Area: 6,226 SqFt **Length:** 127 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: 11/1/1984 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

Work Date: 11/1/1984 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

Work Date: 11/1/1984 **Work Type:** Subbase - Aggregate **Code:** SB-AG **Is Major M&R:** False

Work Date: 11/1/1984 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

Work Date: 5/1/1999 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Work Date: 1/1/2019 **Work Type:** Complete Reconstruction - AC **Code:** CR-AC **Is Major M&R:** True

Work Date: 1/2/2019 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

Work Date: 1/2/2019 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

Last Insp. Date: 1/11/2023 **TotalSamples:** 1 **Surveyed:** 1

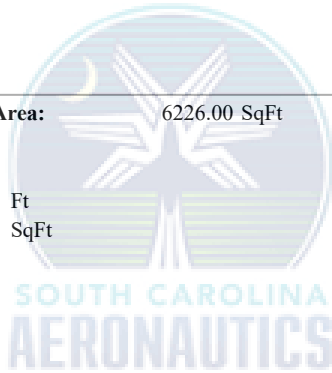
Conditions: PCI: 90

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 6226.00 SqFt **PCI:** 90

Sample Comments:

48 L & T CR L 25.00 Ft
57 WEATHERING L 6226.00 SqFt



Network: SPA **Name:** Spartanburg Downtown Memorial Airport/Simpson Field

Branch: TW A **Name:** TAXIWAY A **Use:** TAXIWAY **Area:** 244,253 SqFt

Section: 10 of 7 **From:** - **To:** - **Last Const.:** 11/1/1984

Surface: AC **Family:** SC2_TWTL_AC **Zone:** **Category:** G **Rank:** P

Area: 40,716 SqFt **Length:** 805 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: 11/1/1984 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

Work Date: 11/1/1984 **Work Type:** Subbase - Aggregate **Code:** SB-AG **Is Major M&R:** False

Work Date: 11/1/1984 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

Work Date: 11/1/1984 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

Work Date: 5/1/1999 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Last Insp. Date: 1/11/2023 **Total Samples:** 8 **Surveyed:** 2

Conditions: PCI: 41

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 5000.00 SqFt **PCI:** 40

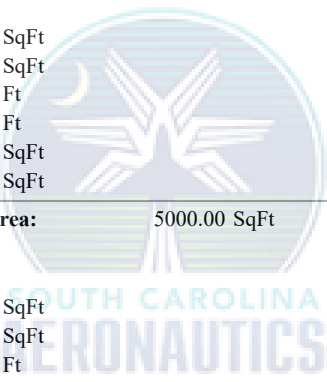
Sample Comments:

41 ALLIGATOR CR L 20.00 SqFt
41 ALLIGATOR CR M 34.00 SqFt
48 L & T CR L 452.00 Ft
48 L & T CR M 300.00 Ft
52 RAVELING L 2500.00 SqFt
57 WEATHERING M 2500.00 SqFt

Sample Number: 05 **Type:** R **Area:** 5000.00 SqFt **PCI:** 42

Sample Comments:

41 ALLIGATOR CR L 16.00 SqFt
45 DEPRESSION L 119.00 SqFt
48 L & T CR L 368.00 Ft
48 L & T CR M 300.00 Ft
52 RAVELING L 2500.00 SqFt
56 SWELLING L 150.00 SqFt
57 WEATHERING M 2500.00 SqFt



Network: SPA **Name:** Spartanburg Downtown Memorial Airport/Simpson Field

Branch: TW A **Name:** TAXIWAY A **Use:** TAXIWAY **Area:** 244,253 SqFt

Section: 20 of 7 **From:** - **To:** - **Last Const.:** 11/1/1984

Surface: AC **Family:** SC2_TWTL_AC **Zone:** **Category:** G **Rank:** P

Area: 56,367 SqFt **Length:** 1,130 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: 11/1/1984 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

Work Date: 5/1/1999 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Last Insp. Date: 1/11/2023 **TotalSamples:** 11 **Surveyed:** 3

Conditions: PCI: 45

Inspection Comments:

Sample Number: 02 **Type:** R **Area:** 5000.00 SqFt **PCI:** 45

Sample Comments:

48 L & T CR L 556.00 Ft
48 L & T CR M 300.00 Ft
50 PATCHING L 266.00 SqFt
52 RAVELING L 2367.00 SqFt
56 SWELLING L 125.00 SqFt
57 WEATHERING M 2367.00 SqFt

Sample Number: 08 **Type:** R **Area:** 5000.00 SqFt **PCI:** 37

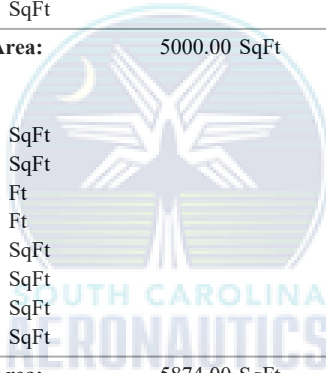
Sample Comments:

43 BLOCK CR L 975.00 SqFt
43 BLOCK CR M 325.00 SqFt
48 L & T CR L 260.00 Ft
48 L & T CR M 117.00 Ft
52 RAVELING L 2490.00 SqFt
52 RAVELING H 20.00 SqFt
56 SWELLING L 150.00 SqFt
57 WEATHERING M 2490.00 SqFt

Sample Number: 11 **Type:** R **Area:** 5874.00 SqFt **PCI:** 51

Sample Comments:

48 L & T CR L 534.00 Ft
48 L & T CR M 351.00 Ft
52 RAVELING L 2937.00 SqFt
56 SWELLING L 48.00 SqFt
57 WEATHERING M 2937.00 SqFt



Network: SPA **Name:** Spartanburg Downtown Memorial Airport/Simpson Field

Branch: TW A **Name:** TAXIWAY A **Use:** TAXIWAY **Area:** 244,253 SqFt

Section: 22 of 7 **From:** - **To:** - **Last Const.:** 7/1/1980

Surface: AC **Family:** SC2_TWTL_AC **Zone:** **Category:** G **Rank:** P

Area: 6,533 SqFt **Length:** 130 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: 7/1/1980 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

Work Date: 5/1/1990 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Last Insp. Date: 1/11/2023 **TotalSamples:** 1 **Surveyed:** 1

Conditions: PCI: 41

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 6533.00 SqFt **PCI:** 41

Sample Comments:

43	BLOCK CR	L	3267.00	SqFt
43	BLOCK CR	M	3266.00	SqFt
52	RAVELING	L	1633.00	SqFt
57	WEATHERING	M	4900.00	SqFt



Network: SPA **Name:** Spartanburg Downtown Memorial Airport/Simpson Field

Branch: TW A **Name:** TAXIWAY A **Use:** TAXIWAY **Area:** 244,253 SqFt

Section: 25 of 7 **From:** - **To:** - **Last Const.:** 1/1/2002

Surface: AC **Family:** SC2_TWTL_AC **Zone:** **Category:** **Rank:** P

Area: 6,399 SqFt **Length:** 125 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: 1/1/2002 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

Last Insp. Date: 1/11/2023 **Total Samples:** 1 **Surveyed:** 1

Conditions: PCI: 72

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 6399.00 SqFt **PCI:** 72

Sample Comments:

48 L & T CR M 253.00 Ft
57 WEATHERING M 6399.00 SqFt



Network: SPA **Name:** Spartanburg Downtown Memorial Airport/Simpson Field

Branch: TW A **Name:** TAXIWAY A **Use:** TAXIWAY **Area:** 244,253 SqFt

Section: 30 of 7 **From:** - **To:** - **Last Const.:** 11/1/1984

Surface: AC **Family:** SC2_TWTL_AC **Zone:** **Category:** G **Rank:** P

Area: 90,328 SqFt **Length:** 1,800 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: 11/1/1984 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

Work Date: 5/1/1999 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Last Insp. Date: 1/11/2023 **TotalSamples:** 18 **Surveyed:** 4

Conditions: PCI: 39

Inspection Comments:

Sample Number: 02 **Type:** R **Area:** 5000.00 SqFt **PCI:** 46

Sample Comments:

48 L & T CR L 175.00 Ft

48 L & T CR M 497.00 Ft

52 RAVELING L 2500.00 SqFt

56 SWELLING L 40.00 SqFt

57 WEATHERING M 2500.00 SqFt

Sample Number: 10 **Type:** R **Area:** 5000.00 SqFt **PCI:** 32

Sample Comments:

41 ALLIGATOR CR L 14.00 SqFt

43 BLOCK CR L 924.00 SqFt

43 BLOCK CR M 938.00 SqFt

48 L & T CR M 515.00 Ft

52 RAVELING L 2500.00 SqFt

56 SWELLING L 150.00 SqFt

57 WEATHERING M 2500.00 SqFt

Sample Number: 14 **Type:** R **Area:** 5000.00 SqFt **PCI:** 31

Sample Comments:

41 ALLIGATOR CR L 98.00 SqFt

43 BLOCK CR L 790.00 SqFt

43 BLOCK CR M 888.00 SqFt

48 L & T CR M 388.00 Ft

52 RAVELING L 2500.00 SqFt

56 SWELLING L 30.00 SqFt

57 WEATHERING M 2500.00 SqFt

Sample Number: 18 **Type:** R **Area:** 5000.00 SqFt **PCI:** 48

Sample Comments:

43 BLOCK CR L 1163.00 SqFt

43 BLOCK CR M 388.00 SqFt

48 L & T CR L 115.00 Ft

48 L & T CR M 173.00 Ft

52 RAVELING L 2500.00 SqFt

56 SWELLING L 15.00 SqFt

57 WEATHERING L 2500.00 SqFt

Network: SPA **Name:** Spartanburg Downtown Memorial Airport/Simpson Field

Branch: TW A **Name:** TAXIWAY A **Use:** TAXIWAY **Area:** 244,253 SqFt

Section: 40 of 7 **From:** - **To:** - **Last Const.:** 1/1/2019

Surface: AC **Family:** SC2_TWTL_AC **Zone:** **Category:** **Rank:** P

Area: 37,684 SqFt **Length:** 755 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: 1/1/2019 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

Work Date: 1/2/2019 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

Work Date: 1/3/2019 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

Last Insp. Date: 1/11/2023 **TotalSamples:** 7 **Surveyed:** 2

Conditions: PCI: 94

Inspection Comments:

Sample Number: 03 **Type:** R **Area:** 5000.00 SqFt **PCI:** 94

Sample Comments:

57 WEATHERING L 5000.00 SqFt

Sample Number: 06 **Type:** R **Area:** 6000.00 SqFt **PCI:** 94

Sample Comments:

57 WEATHERING L 6000.00 SqFt



Network: SPA **Name:** Spartanburg Downtown Memorial Airport/Simpson Field

Branch: TW A1 **Name:** TAXIWAY A1 **Use:** TAXIWAY **Area:** 17,143 SqFt

Section: 10 of 1 **From:** - **To:** - **Last Const.:** 1/1/2019

Surface: AC **Family:** SC2_TWTL_AC **Zone:** **Category:** G **Rank:** P

Area: 17,143 SqFt **Length:** 225 Ft **Width:** 75 Ft

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

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

Section Comments:

Work Date: 3/1/1990 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

Work Date: 5/1/1999 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Work Date: 1/1/2019 **Work Type:** Complete Reconstruction - AC **Code:** CR-AC **Is Major M&R:** True

Work Date: 1/2/2019 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

Work Date: 1/3/2019 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

Last Insp. Date: 1/11/2023 **Total Samples:** 4 **Surveyed:** 1

Conditions: PCI: 90

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 4239.00 SqFt **PCI:** 90

Sample Comments:

48 L & T CR L 22.00 Ft
57 WEATHERING L 4239.00 SqFt



Network: SPA **Name:** Spartanburg Downtown Memorial Airport/Simpson Field

Branch: TW A2 **Name:** TAXIWAY A2 **Use:** TAXIWAY **Area:** 23,994 SqFt

Section: 10 of 1 **From:** - **To:** - **Last Const.:** 1/1/2019

Surface: AC **Family:** SC2_TWTL_AC **Zone:** **Category:** G **Rank:** S

Area: 23,994 SqFt **Length:** 225 Ft **Width:** 105 Ft

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

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

Section Comments:

Work Date: 3/1/1990 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

Work Date: 5/1/1999 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Work Date: 1/1/2019 **Work Type:** Complete Reconstruction - AC **Code:** CR-AC **Is Major M&R:** True

Work Date: 1/2/2019 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

Work Date: 1/3/2019 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

Last Insp. Date: 1/11/2023 **Total Samples:** 5 **Surveyed:** 1

Conditions: PCI: 94

Inspection Comments:

Sample Number: 02 **Type:** R **Area:** 5572.00 SqFt **PCI:** 94

Sample Comments:

57 WEATHERING L 5572.00 SqFt



Network:	SPA		Name:	Spartanburg Downtown Memorial Airport/Simpson Field					
Branch:	TW A3	Name:	TAXIWAY A3	Use:	TAXIWAY	Area:	23,155 SqFt		
Section:	10	of	1	From:	-	To:	-	Last Const.:	1/1/2019
Surface:	AC	Family:	SC2_TWTL_AC	Zone:		Category:		Rank:	P
Area:	23,155 SqFt	Length:	225 Ft	Width:	103 Ft				
Slabs:		Slab Length:	Ft	Slab Width:	Ft	Joint Length:	Ft		
Shoulder:		Street Type:		Grade:	0	Lanes:	0		
Section Comments:									
Work Date:	1/1/2019	Work Type:	New Construction - AC		Code:	NC-AC	Is Major M&R:	True	
Work Date:	1/2/2019	Work Type:	Base Course - Aggregate		Code:	BA-AG	Is Major M&R:	False	
Work Date:	1/3/2019	Work Type:	Surface Course - AC (Layer Construct)		Code:	SU-AC	Is Major M&R:	False	
Last Insp. Date:	1/11/2023	TotalSamples:	4	Surveyed:	1				
Conditions:	PCI: 94								
Inspection Comments:									
Sample Number:	03	Type:	R	Area:	5611.00 SqFt	PCI:	94		
Sample Comments:									
57	WEATHERING	L	5611.00	SqFt					



Network: SPA **Name:** Spartanburg Downtown Memorial Airport/Simpson Field

Branch: TW A4 **Name:** TAXIWAY A4 **Use:** TAXIWAY **Area:** 26,605 SqFt

Section: 10 of 2 **From:** - **To:** - **Last Const.:** 1/1/2019

Surface: AC **Family:** SC2_TWTL_AC **Zone:** **Category:** G **Rank:** P

Area: 10,576 SqFt **Length:** 130 Ft **Width:** 81 Ft

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

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

Section Comments:

Work Date: 3/1/1990 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

Work Date: 5/1/1999 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Work Date: 1/1/2019 **Work Type:** Complete Reconstruction - AC **Code:** CR-AC **Is Major M&R:** True

Work Date: 1/2/2019 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

Work Date: 1/3/2019 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

Last Insp. Date: 1/11/2023 **Total Samples:** 2 **Surveyed:** 1

Conditions: PCI: 89

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 5192.00 SqFt **PCI:** 89

Sample Comments:

48 L & T CR L 47.00 Ft
57 WEATHERING L 5192.00 SqFt



Network: SPA **Name:** Spartanburg Downtown Memorial Airport/Simpson Field

Branch: TW A4 **Name:** TAXIWAY A4 **Use:** TAXIWAY **Area:** 26,605 SqFt

Section: 20 of 2 **From:** - **To:** - **Last Const.:** 11/1/1984

Surface: AC **Family:** SC2_TWTL_AC **Zone:** **Category:** G **Rank:** P

Area: 16,029 SqFt **Length:** 154 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: 11/1/1984 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

Work Date: 5/1/1999 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Last Insp. Date: 1/11/2023 **TotalSamples:** 3 **Surveyed:** 1

Conditions: PCI: 43

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 4860.00 SqFt **PCI:** 43

Sample Comments:

43	BLOCK CR	L	4002.00	SqFt
43	BLOCK CR	M	706.00	SqFt
50	PATCHING	L	152.00	SqFt
52	RAVELING	L	2354.00	SqFt
57	WEATHERING	M	2354.00	SqFt



Network: SPA **Name:** Spartanburg Downtown Memorial Airport/Simpson Field

Branch: TW A5 **Name:** TAXIWAY A5 **Use:** TAXIWAY **Area:** 19,329 SqFt

Section: 10 of 2 **From:** - **To:** - **Last Const.:** 1/1/2019

Surface: AC **Family:** SC2_TWTL_AC **Zone:** **Category:** G **Rank:** P

Area: 11,974 SqFt **Length:** 165 Ft **Width:** 72 Ft

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

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

Section Comments:

Work Date: 3/1/1990 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

Work Date: 5/1/1999 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Work Date: 1/1/2019 **Work Type:** Complete Reconstruction - AC **Code:** CR-AC **Is Major M&R:** True

Work Date: 1/2/2019 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

Work Date: 1/3/2019 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

Last Insp. Date: 1/11/2023 **Total Samples:** 2 **Surveyed:** 1

Conditions: PCI: 94

Inspection Comments:

Sample Number: 02 **Type:** R **Area:** 5983.00 SqFt **PCI:** 94

Sample Comments:

57 WEATHERING L 5983.00 SqFt



Network: SPA **Name:** Spartanburg Downtown Memorial Airport/Simpson Field

Branch: TW A5 **Name:** TAXIWAY A5 **Use:** TAXIWAY **Area:** 19,329 SqFt

Section: 20 of 2 **From:** - **To:** - **Last Const.:** 11/1/1984

Surface: AC **Family:** SC2_TWTL_AC **Zone:** **Category:** G **Rank:** P

Area: 7,355 SqFt **Length:** 147 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: 11/1/1984 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

Work Date: 5/1/1999 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Last Insp. Date: 1/11/2023 **TotalSamples:** 2 **Surveyed:** 1

Conditions: PCI: 39

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 3719.00 SqFt **PCI:** 39

Sample Comments:

48	L & T CR	L	73.00 Ft
48	L & T CR	M	567.00 Ft
52	RAVELING	L	1860.00 SqFt
56	SWELLING	L	60.00 SqFt
57	WEATHERING	M	1859.00 SqFt



Network: SPA **Name:** Spartanburg Downtown Memorial Airport/Simpson Field

Branch: TW A7 **Name:** TAXIWAY A7 **Use:** TAXIWAY **Area:** 23,994 SqFt

Section: 10 of 1 **From:** - **To:** - **Last Const.:** 1/1/2019

Surface: AC **Family:** SC2_TWTL_AC **Zone:** **Category:** G **Rank:** P

Area: 23,994 SqFt **Length:** 225 Ft **Width:** 105 Ft

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

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

Section Comments:

Work Date: 3/1/1990 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

Work Date: 5/1/1999 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Work Date: 1/1/2019 **Work Type:** Complete Reconstruction - AC **Code:** CR-AC **Is Major M&R:** True

Work Date: 1/2/2019 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

Work Date: 1/3/2019 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

Last Insp. Date: 1/11/2023 **Total Samples:** 5 **Surveyed:** 1

Conditions: PCI: 89

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 5399.00 SqFt **PCI:** 89

Sample Comments:

48 L & T CR L 51.00 Ft
57 WEATHERING L 5399.00 SqFt



Network:	SPA		Name:	Spartanburg Downtown Memorial Airport/Simpson Field					
Branch:	TW A8	Name:	TAXIWAY A8	Use:	TAXIWAY	Area:	17,452 SqFt		
Section:	10	of	1	From:	-	To:	-	Last Const.:	1/1/2019
Surface:	AC	Family:	SC2_TWTL_AC	Zone:		Category:		Rank:	P
Area:	17,452 SqFt	Length:	225 Ft	Width:	75 Ft				
Slabs:		Slab Length:	Ft	Slab Width:	Ft	Joint Length:	Ft		
Shoulder:		Street Type:		Grade:	0	Lanes:	0		
Section Comments:									
Work Date:	1/1/2019	Work Type:	New Construction - AC		Code:	NC-AC	Is Major M&R:	True	
Work Date:	1/2/2019	Work Type:	Base Course - Aggregate		Code:	BA-AG	Is Major M&R:	False	
Work Date:	1/3/2019	Work Type:	Surface Course - AC (Layer Construct)		Code:	SU-AC	Is Major M&R:	False	
Last Insp. Date:	1/11/2023	TotalSamples:	4	Surveyed:	1				
Conditions:	PCI: 94								
Inspection Comments:									
Sample Number:	02	Type:	R	Area:	4115.00 SqFt	PCI:	94		
Sample Comments:									
57	WEATHERING	L	4115.00	SqFt					



Network: SPA **Name:** Spartanburg Downtown Memorial Airport/Simpson Field

Branch: TW B **Name:** TAXIWAY B **Use:** TAXIWAY **Area:** 82,337 SqFt

Section: 25 of 2 **From:** - **To:** - **Last Const.:** 11/1/1984

Surface: AC **Family:** SC2_TWTL_AC **Zone:** **Category:** G **Rank:** P

Area: 13,924 SqFt **Length:** 300 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: 11/1/1984 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

Work Date: 5/1/1999 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Last Insp. Date: 1/11/2023 **TotalSamples:** 3 **Surveyed:** 1

Conditions: PCI: 37

Inspection Comments:

Sample Number: 02 **Type:** R **Area:** 4998.00 SqFt **PCI:** 37

Sample Comments:

43	BLOCK CR	L	2499.00	SqFt
43	BLOCK CR	M	2499.00	SqFt
52	RAVELING	L	4998.00	SqFt
56	SWELLING	L	200.00	SqFt



Network: SPA **Name:** Spartanburg Downtown Memorial Airport/Simpson Field

Branch: TW B **Name:** TAXIWAY B **Use:** TAXIWAY **Area:** 82,337 SqFt

Section: 30 of 2 **From:** - **To:** - **Last Const.:** 7/1/1992

Surface: AC **Family:** SC2_TWTL_AC **Zone:** **Category:** G **Rank:** S

Area: 68,413 SqFt **Length:** 1,690 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: 7/1/1992 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

Work Date: 7/1/1992 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** True

Work Date: 7/1/1992 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

Work Date: 5/1/1999 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Last Insp. Date: 1/11/2023 **TotalSamples:** 13 **Surveyed:** 3

Conditions: PCI: 46

Inspection Comments:

Sample Number: 02 **Type:** R **Area:** 4046.00 SqFt **PCI:** 47

Sample Comments:

48 L & T CR L 438.00 Ft
48 L & T CR M 274.00 Ft
50 PATCHING L 216.00 SqFt
52 RAVELING L 383.00 SqFt
57 WEATHERING M 3447.00 SqFt

Sample Number: 05 **Type:** R **Area:** 5250.00 SqFt **PCI:** 42

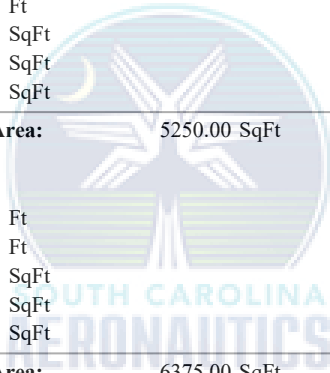
Sample Comments:

48 L & T CR L 577.00 Ft
48 L & T CR M 553.00 Ft
52 RAVELING L 525.00 SqFt
56 SWELLING L 82.00 SqFt
57 WEATHERING M 4725.00 SqFt

Sample Number: 08 **Type:** R **Area:** 6375.00 SqFt **PCI:** 49

Sample Comments:

48 L & T CR L 583.00 Ft
48 L & T CR M 472.00 Ft
52 RAVELING L 638.00 SqFt
56 SWELLING L 61.00 SqFt
57 WEATHERING M 5737.00 SqFt



Network: SPA **Name:** Spartanburg Downtown Memorial Airport/Simpson Field

Branch: TW C **Name:** TAXIWAY C **Use:** TAXIWAY **Area:** 37,630 SqFt

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

Surface: PCC **Family:** SC 234 NonRW PCC **Zone:** **Category:** G **Rank:** P

Area: 37,630 SqFt **Length:** 735 Ft **Width:** 50 Ft

Slabs: 198 **Slab Length:** 12 Ft **Slab Width:** 15 Ft **Joint Length:** 4,605 Ft

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

Section Comments:

Work Date: 6/1/1980 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

Work Date: 5/1/1990 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Work Date: 1/1/2012 **Work Type:** Complete Reconstruction - PCC **Code:** CR-PC **Is Major M&R:** True

Last Insp. Date: 1/11/2023 **TotalSamples:** 10 **Surveyed:** 3

Conditions: PCI: 93

Inspection Comments:

Sample Number: 02 **Type:** R **Area:** 20.00 Slabs **PCI:** 96

Sample Comments:

65 JT SEAL DMG L 20.00 Slabs
73 SHRINKAGE CR N 2.00 Slabs

Sample Number: 06 **Type:** R **Area:** 20.00 Slabs **PCI:** 87

Sample Comments:

65 JT SEAL DMG L 20.00 Slabs
73 SHRINKAGE CR N 14.00 Slabs

Sample Number: 09 **Type:** R **Area:** 22.00 Slabs **PCI:** 96

Sample Comments:

65 JT SEAL DMG L 22.00 Slabs
73 SHRINKAGE CR N 2.00 Slabs



Network: SPA **Name:** Spartanburg Downtown Memorial Airport/Simpson Field

Branch: TW D1 **Name:** TAXIWAY D1 **Use:** TAXIWAY **Area:** 39,881 SqFt

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

Surface: PCC **Family:** SC 234 NonRW PCC **Zone:** **Category:** **Rank:** P

Area: 39,881 SqFt **Length:** 685 Ft **Width:** 50 Ft

Slabs: 212 **Slab Length:** 12 Ft **Slab Width:** 15 Ft **Joint Length:** 4,288 Ft

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

Section Comments:

Work Date: 1/1/2012 **Work Type:** New Construction - PCC **Code:** NC-PC **Is Major M&R:** True

Last Insp. Date: 1/11/2023 **Total Samples:** 11 **Surveyed:** 3

Conditions: PCI: 91

Inspection Comments:

Sample Number: 03 **Type:** R **Area:** 20.00 Slabs **PCI:** 89

Sample Comments:

65 JT SEAL DMG L 20.00 Slabs

73 SHRINKAGE CR N 12.00 Slabs

Sample Number: 06 **Type:** R **Area:** 20.00 Slabs **PCI:** 89

Sample Comments:

65 JT SEAL DMG L 20.00 Slabs

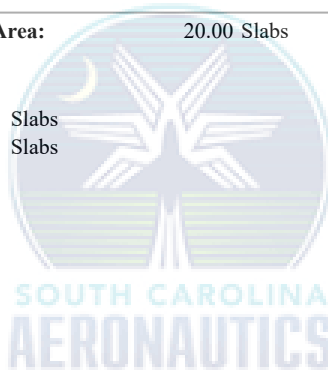
73 SHRINKAGE CR N 12.00 Slabs

Sample Number: 09 **Type:** R **Area:** 20.00 Slabs **PCI:** 94

Sample Comments:

65 JT SEAL DMG L 20.00 Slabs

73 SHRINKAGE CR N 5.00 Slabs





Kimley»»Horn