

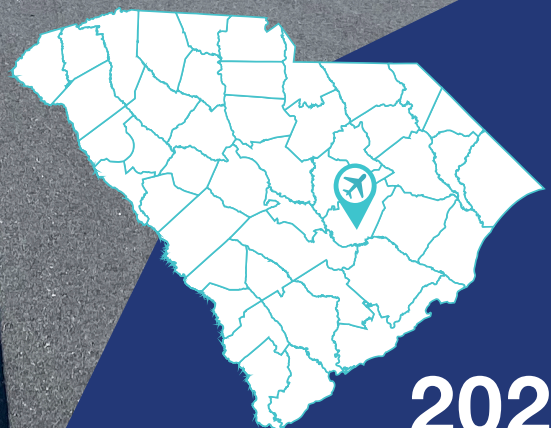


SOUTH CAROLINA AERONAUTICS COMMISSION

STATEWIDE AIRFIELD PAVEMENT MANAGEMENT SYSTEM UPDATE



MNI - Santee Cooper Regional Airport



Kimley»Horn

2024



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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 D5340-23 – “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 Santee Cooper Regional Airport (MNI).

Figure 1 – Airport Layout



System Inventory

The pavements at Santee Cooper Regional Airport (MNI) include approximately 0.6 million square feet of airfield pavements consisting of runways, taxiways, taxilane, and aprons. Per the guidance in the ASTM D5340-23, 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.

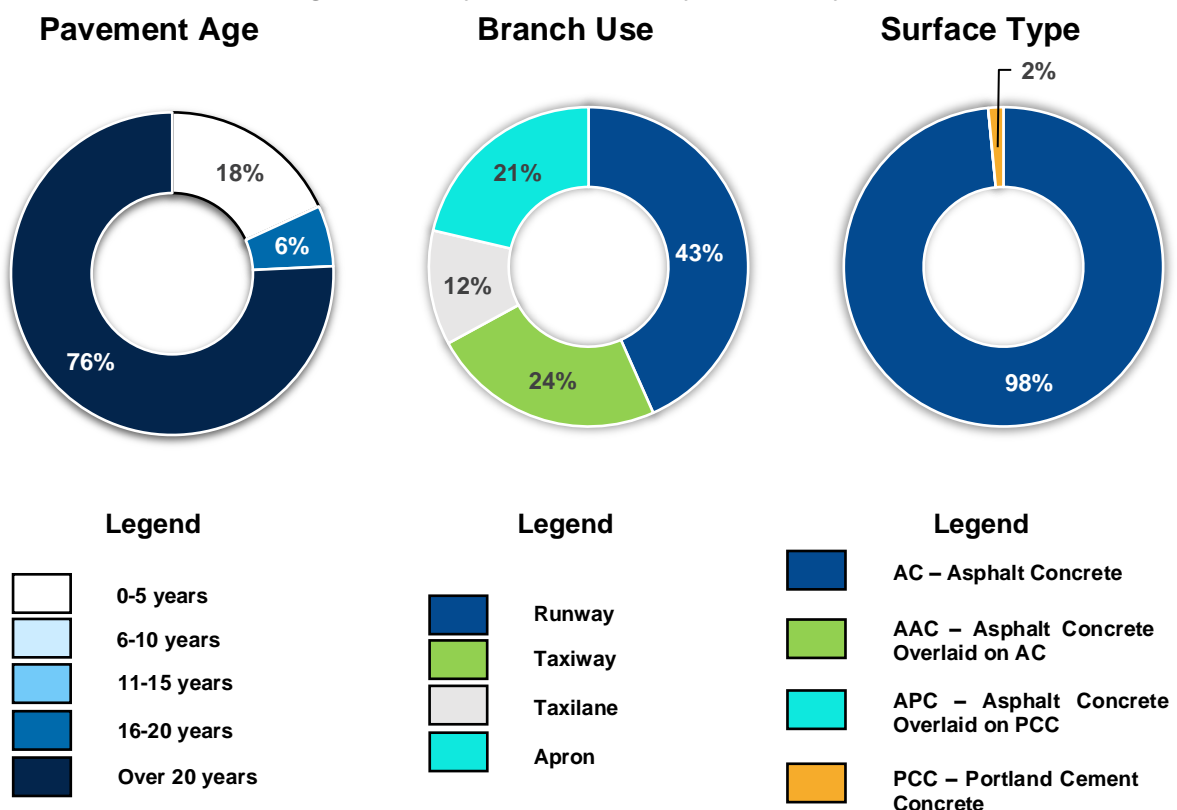
Each pavement update included a review of documentation of any maintenance and major rehabilitation related activities performed on the airfield pavements. The following table summarizes the projects that have occurred since the previous inspection.

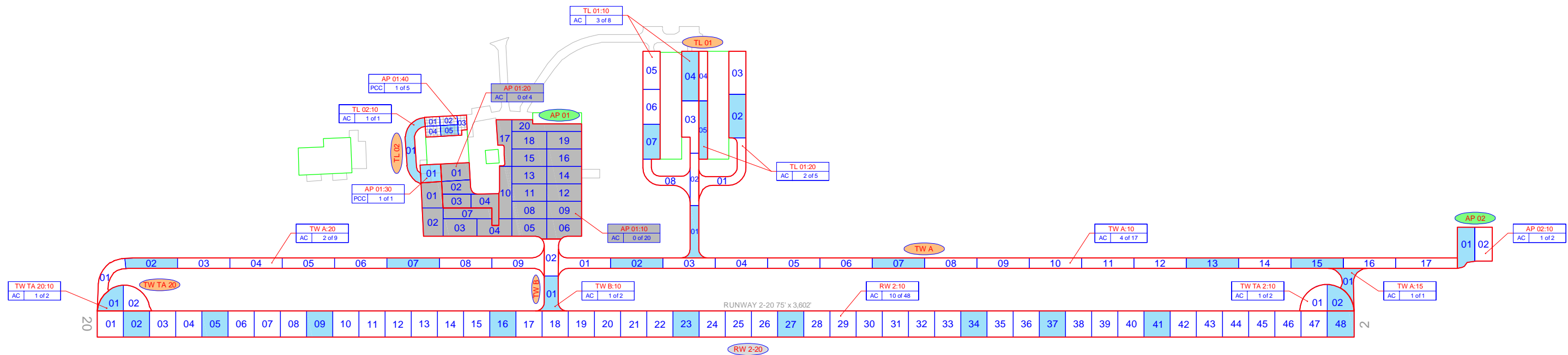
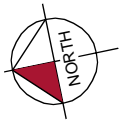
Table 1 - Recent Airfield Pavement Construction

Construction Year	Location	Work Type / Pavement Section
2022	AP 01	Reconstruction - AC 3" SC-403, Existing 6" Macadam Base, Existing Subgrade
2022	AP 01	Reconstruction - AC 3" SC-403, 8" SC-305 Macadam Base, P-152

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

Figure 2 – System Inventory Summary





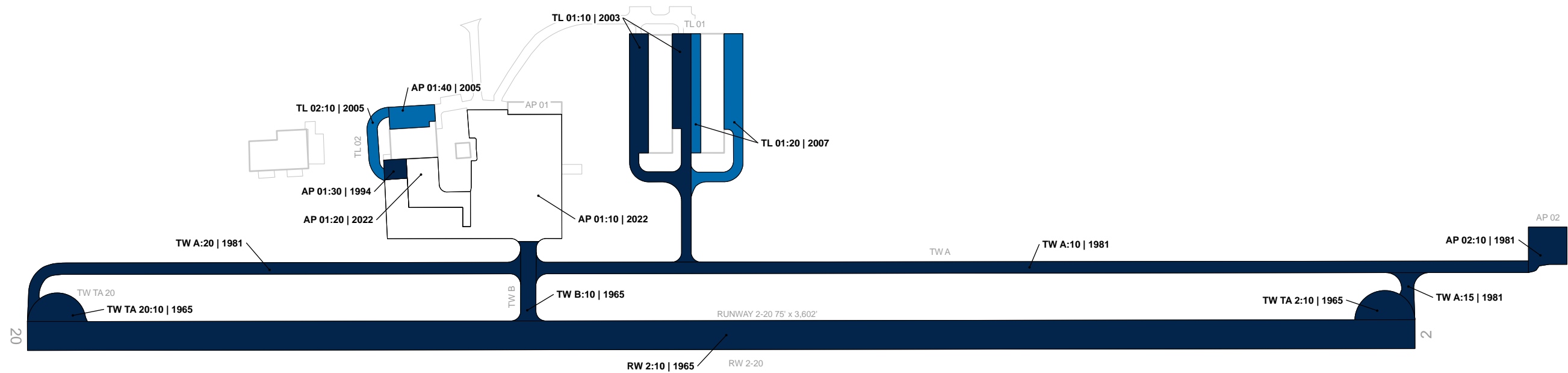
LEGEND

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

TOTAL SAMPLES INSPECTED = 29
AC: 27 PCC: 2

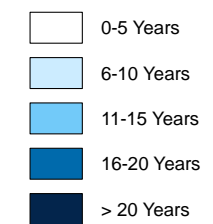
RUNWAY LENGTHS DEPICTED IN THIS DRAWING ARE FOR PAVEMENT MANAGEMENT PURPOSES ONLY AND MAY NOT MATCH PUBLISHED RUNWAY LENGTHS. DRAWING NOT TO SCALE.





Legend

Estimated Age at Inspection



BRANCH IDENTIFIER
SECTION IDENTIFIER

TWA:20 | 1985

LAST MAJOR WORK DATE



Functional Evaluation

Pavement Condition Index

A Pavement Condition Index (PCI) survey is the primary means of obtaining and recording pavement distress data. In adherence to FAA Advisory Circular 150/5380-7B, the SCAC Airfield Pavement Management System (APMS) Update utilizes the PCI survey methodology to collect pavement distress data and analyze the condition. This method uses a visual statistical sampling of pavements for recording primary distress types, associated severities, and quantities as defined by the ASTM D5340-23.

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



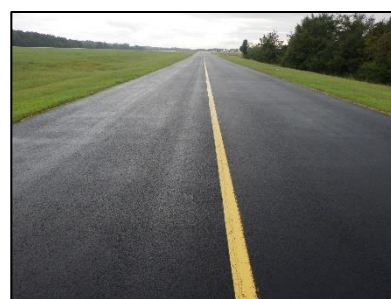
Poor/Failed Pavement

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



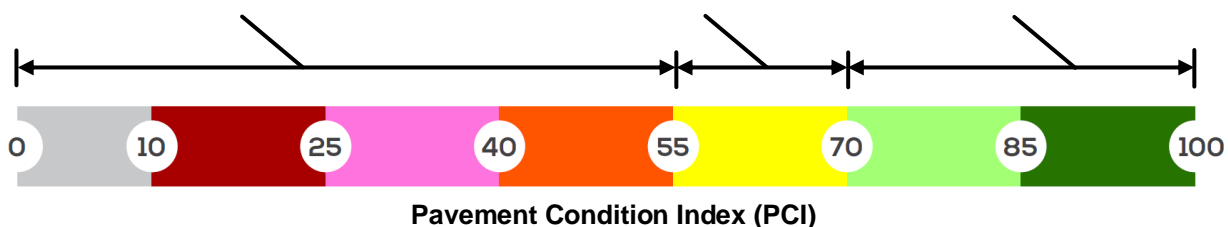
Fair Pavement

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.



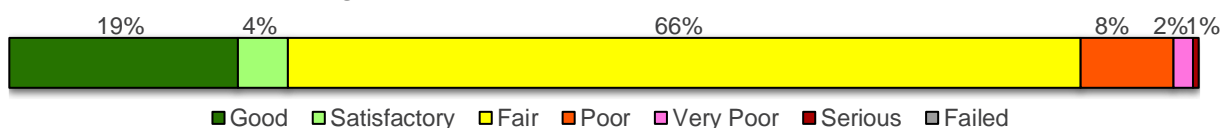
Critical PCI

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

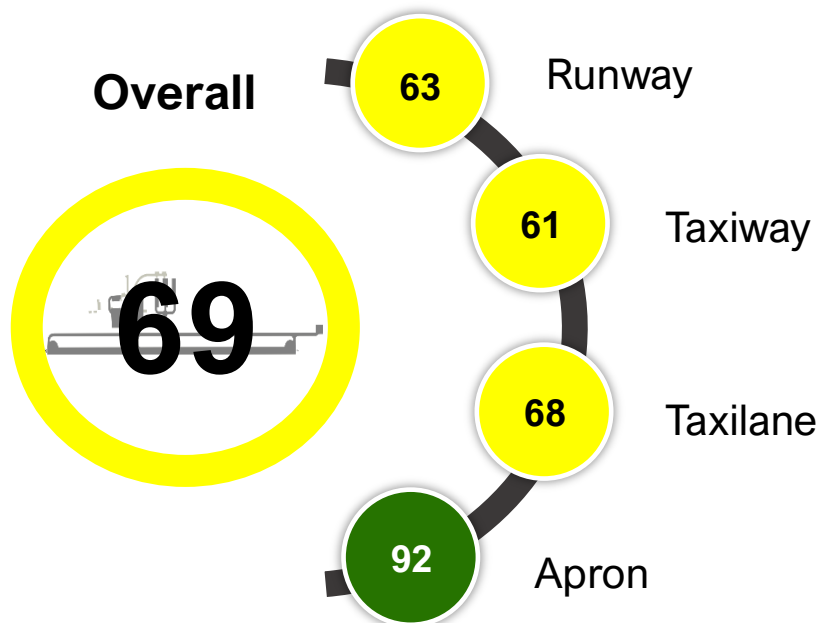
The PCI survey for Santee Cooper Regional Airport (MNI) was performed in October 2023. **The overall area-weighted average PCI value of the network was 69,** representing a condition rating of **Fair**. Approximately 23% of inspected pavements are in Good or Satisfactory condition, 66% of inspected pavements are in Fair condition, and the remaining 11% are in Poor or worse condition as summarized in **Figure 4**.

Figure 4 – Overall Network PCI Results



The area-weighted average PCIs by branch use are summarized in the figure below. The current PCIs at a section-level are displayed graphically on the **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

MNI - Santee Cooper Regional Airport

Table 2 – Current Pavement Condition Index Summary – Section

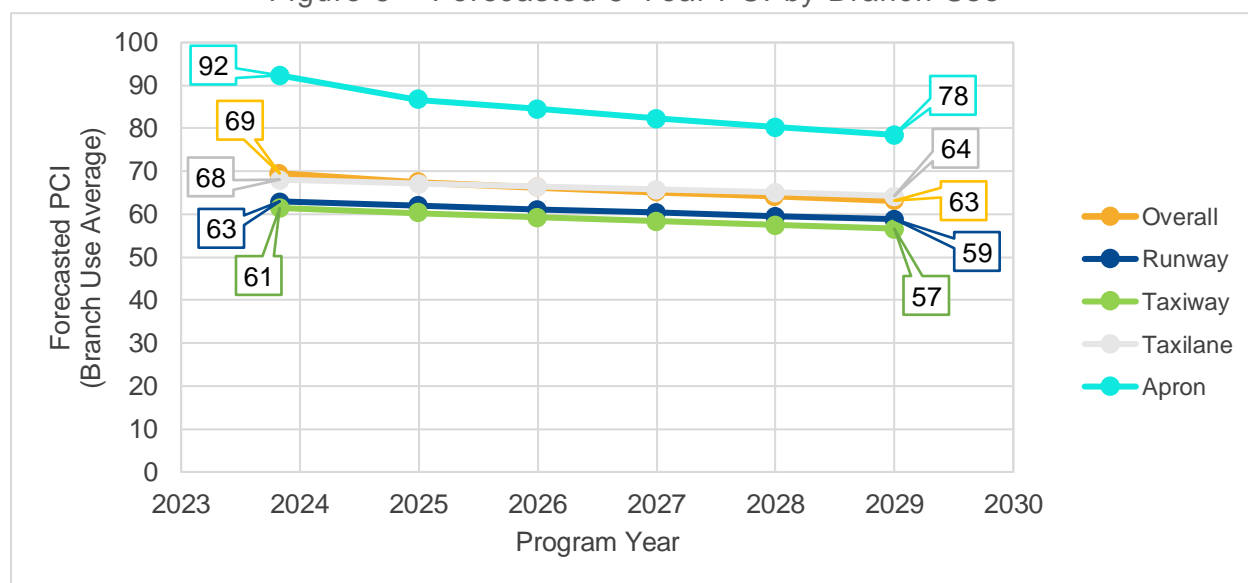
Network ID	Branch ID	Branch Use	Section ID	Area (SF)	Surface	PCI	Condition Rating	PCI % Climate	PCI % Load	PCI % Other
MNI	AP 01	Apron	10	98,413	AC	100	Good	0	0	0
MNI	AP 01	Apron	20	14,775	AC	100	Good	0	0	0
MNI	AP 01	Apron	30	2,979	PCC	13	Serious	10	81	9
MNI	AP 01	Apron	40	6,553	PCC	98	Good	0	0	100
MNI	AP 02	Apron	10	10,200	AC	27	Very Poor	54	41	5
MNI	RW 2	Runway	10	270,150	AC	63	Fair	100	0	0
MNI	TL 01	Taxilane	10	40,934	AC	63	Fair	100	0	0
MNI	TL 01	Taxilane	20	26,188	AC	81	Satisfactory	100	0	0
MNI	TL 02	Taxilane	10	5,220	AC	43	Poor	100	0	0
MNI	TW A	Taxiway	10	77,605	AC	66	Fair	78	22	0
MNI	TW A	Taxiway	15	3,205	AC	48	Poor	95	0	5
MNI	TW A	Taxiway	20	40,215	AC	53	Poor	100	0	0
MNI	TW B	Taxiway	10	8,630	AC	65	Fair	100	0	0
MNI	TW TA 2	Taxiway	10	9,201	AC	63	Fair	100	0	0
MNI	TW TA 20	Taxiway	10	8,765	AC	60	Fair	100	0	0

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

Pavement Condition Forecast

A primary objective of this APMS is to estimate the future condition of each individual pavement section. PAVER™ was utilized to develop prediction curves and determine typical deterioration rates that are then used to forecast a future PCI value. This value will assist decision makers in determining at what point in time certain pavement sections will require rehabilitation. The figure below shows the current and 5-year area-weighted forecasted pavement condition distribution of each functional use (Runway, Taxiway, Taxilane, Apron) found at the Airport. The forecasted 5-year PCIs at a section-level are displayed graphically on the **2029 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 MNI.

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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MNI - Santee Cooper Regional Airport

Table 3 – Forecast (2025-2029) Section Pavement Condition Index - Section

Network ID	Branch ID	Section ID	Current PCI	Forecasted PCI				
				2025	2026	2027	2028	2029
MNI	AP 01	10	100	94	91	89	87	85
MNI	AP 01	20	100	94	91	89	87	85
MNI	AP 01	30	13	12	12	12	11	11
MNI	AP 01	40	98	97	97	97	96	96
MNI	AP 02	10	27	25	24	23	21	20
MNI	RW 2	10	63	62	61	60	60	59
MNI	TL 01	10	63	62	62	61	61	61
MNI	TL 01	20	81	80	79	77	76	75
MNI	TL 02	10	43	42	42	41	40	39
MNI	TW A	10	66	65	64	64	63	62
MNI	TW A	15	48	46	45	43	43	42
MNI	TW A	20	53	51	50	48	46	45
MNI	TW B	10	65	64	63	63	62	62
MNI	TW TA 2	10	63	62	62	61	61	61
MNI	TW TA 20	10	60	59	59	58	57	56

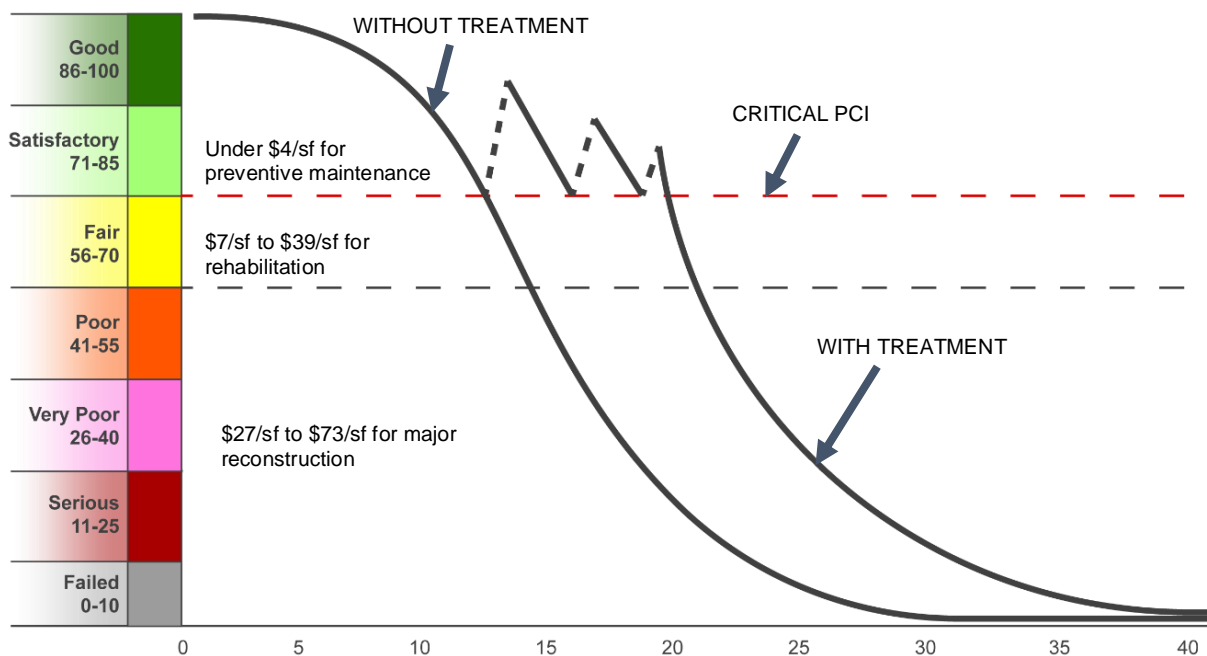
M&R Overview

An analysis was performed to assess the pavement maintenance and rehabilitation (M&R) needs at MNI 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	880	LF	\$ 3,740
	Surface Seal	1,309	SF	\$ 2,170
Localized Preventive Maintenance Total =				\$ 5,910
Localized Stopgap Maintenance	AC Crack Sealing Narrow	2,494	LF	\$ 10,610
	AC Crack Sealing Wide	98	LF	\$ 2,320
	Surface Seal	386,733	SF	\$ 638,170
	AC Full-Depth Patching	299	SF	\$ 9,880
	PCC Joint Seal	211	LF	\$ 2,540
Localized Stopgap Maintenance Total =				\$ 663,520
Planning-Level Localized M&R Needs =				\$ 669,430

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:

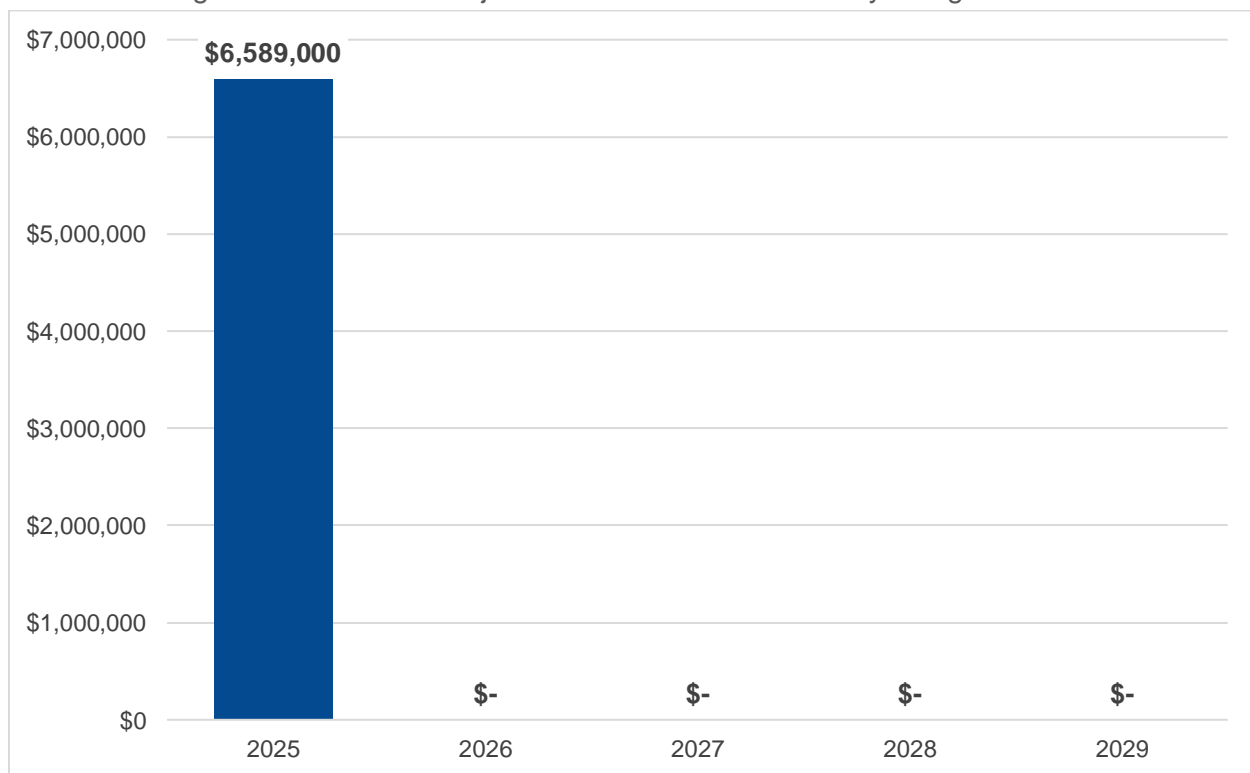
- **Intermediate Major Rehabilitation (PCI 56 to 70)** –
 - **AC:** Milling of the upper surface course and replacing with new AC with isolated areas of full-depth reconstruction
 - **PCC:** Combination of crack sealing, joint seal replacement, limited patching, and slab replacement
- **Full-Depth Reconstruction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

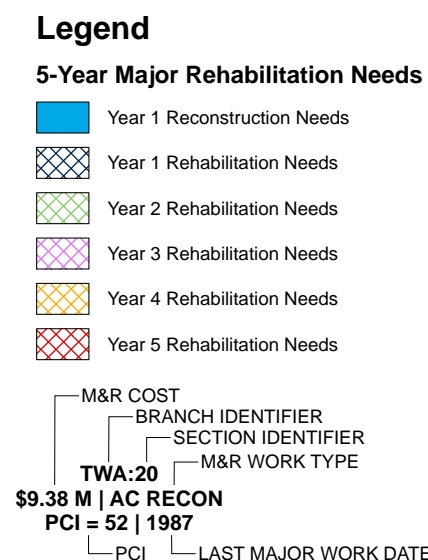
The 5-year major rehabilitation needs analysis at MNI results in a total 5-year cost of \$6.59M. The **5-Year Major Rehabilitation Needs Exhibit** graphically depicts the major rehabilitation needs at a section-level which are also summarized in **Table 5** with rounded costs. Annual needs are displayed 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
2025	MNI	AP 01	30	PCC	2,979	12	PCC Reconstruction	\$ 150,000
2025	MNI	AP 02	10	AC	10,200	25	AC Reconstruction	\$ 360,000
2025	MNI	RW 2	10	AC	270,150	62	AC Rehabilitation	\$ 2,837,000
2025	MNI	TL 01	10	AC	40,934	62	AC Rehabilitation	\$ 430,000
2025	MNI	TL 02	10	AC	5,220	42	AC Reconstruction	\$ 185,000
2025	MNI	TW A	10	AC	77,605	65	AC Rehabilitation	\$ 815,000
2025	MNI	TW A	15	AC	3,205	46	AC Reconstruction	\$ 113,000
2025	MNI	TW A	20	AC	40,215	51	AC Reconstruction	\$ 1,418,000
2025	MNI	TW B	10	AC	8,630	64	AC Rehabilitation	\$ 91,000
2025	MNI	TW TA 2	10	AC	9,201	62	AC Rehabilitation	\$ 97,000
2025	MNI	TW TA 20	10	AC	8,765	59	AC Rehabilitation	\$ 93,000
Total 5-Year Major Rehabilitation Needs =								\$ 6,589,000

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





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



SECTION I

Appendices





Appendix A – Exhibits



STATEWIDE AIRFIELD PAVEMENT MANAGEMENT SYSTEM UPDATE

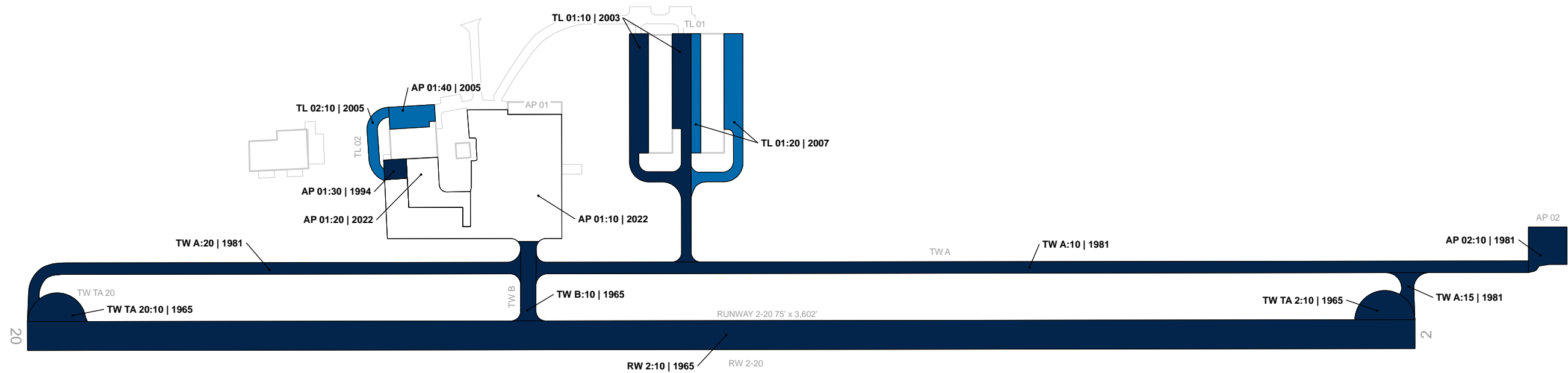
SANTEE COOPER REGIONAL AIRPORT (MNI)
AIRFIELD PAVEMENT NETWORK DEFINITION EXHIBIT



-
- Diagram illustrating the components of a pavement inspection record:
- RW 13-31** → TYPICAL RUNWAY BRANCH ID
 - TW A** → TYPICAL TAXIWAY BRANCH ID
 - AP S** → TYPICAL APRON BRANCH ID
 - RW 13:10** → PAVEMENT BRANCH ID: SECTION ID
 - AAC 5 of 15** → NUMBER OF SAMPLE UNITS IN SECTION
 - 5** → NUMBER OF SAMPLE UNITS TO BE INSPECTED
 - AAC** → PAVEMENT SURFACE TYPE
- SECTION NOT INSPECTED DUE TO RECENT CONSTRUCTION. SEE ESTIMATED AGE EXHIBIT FOR CONSTRUCTION DATES.
- 100** → INSPECTED SAMPLE UNITS.

TOTAL SAMPLES INSPECTED = 29
AC: 27 PCC: 2

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



Legend

Estimated Age at Inspection

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

BRANCH IDENTIFIER
SECTION IDENTIFIER

TWA:20 | 1985

LAST MAJOR WORK DATE





STATEWIDE AIRFIELD PAVEMENT MANAGEMENT SYSTEM UPDATE

SANTEE COOPER REGIONAL AIRPORT (MNI)

5-YEAR MAJOR REHABILITATION EXHIBIT



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 |

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graph TD
    Root["$9.38 M | AC RECON  
PCI = 52 | 1987"]
    Root --- MRC["M&R COST"]
    Root --- B["BRANCH IDENTIFIER"]
    Root --- S["SECTION IDENTIFIER"]
    Root --- TWA["TWA:20"]
    Root --- MWT["M&R WORK TYPE"]
    Root --- PCI["PCI"]
    Root --- LMD["LAST MAJOR WORK DATE"]

```

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



Appendix B – Analysis Tables

Table B1 – System Inventory Data - Section

Network ID	Branch ID	Branch Use	Section ID	Area (SF)	Surface Type	Estimate of Last Construction Date
MNI	AP 01	Apron	10	98,413	AC	7/1/2022
MNI	AP 01	Apron	20	14,775	AC	7/1/2022
MNI	AP 01	Apron	30	2,979	PCC	1/1/1994
MNI	AP 01	Apron	40	6,553	PCC	1/1/2005
MNI	AP 02	Apron	10	10,200	AC	10/1/1981
MNI	RW 2	Runway	10	270,150	AC	4/1/1965
MNI	TL 01	Taxilane	10	40,934	AC	1/1/2003
MNI	TL 01	Taxilane	20	26,188	AC	1/1/2007
MNI	TL 02	Taxilane	10	5,220	AC	1/1/2005
MNI	TW A	Taxiway	10	77,605	AC	6/1/1981
MNI	TW A	Taxiway	15	3,205	AC	6/1/1981
MNI	TW A	Taxiway	20	40,215	AC	6/1/1981
MNI	TW B	Taxiway	10	8,630	AC	4/1/1965
MNI	TW TA 2	Taxiway	10	9,201	AC	4/1/1965
MNI	TW TA 20	Taxiway	10	8,765	AC	4/1/1965

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	4	122,720	98	Good
AP 02	Apron	1	10,200	27	Very Poor
RW 2	Runway	1	270,150	63	Fair
TL 01	Taxilane	2	67,122	70	Fair
TL 02	Taxilane	1	5,220	43	Poor
TW A	Taxiway	3	121,025	61	Fair
TW B	Taxiway	1	8,630	65	Fair
TW TA 2	Taxiway	1	9,201	63	Fair
TW TA 20	Taxiway	1	8,765	60	Fair

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
MNI	AP 01	Apron	10	98,413	AC	100	Good	0	0	0	0	0
MNI	AP 01	Apron	20	14,775	AC	100	Good	0	0	0	0	0
MNI	AP 01	Apron	30	2,979	PCC	13	Serious	10	81	9	1	1
MNI	AP 01	Apron	40	6,553	PCC	98	Good	0	0	100	1	5
MNI	AP 02	Apron	10	10,200	AC	27	Very Poor	54	41	5	1	2
MNI	RW 2	Runway	10	270,150	AC	63	Fair	100	0	0	10	48
MNI	TL 01	Taxilane	10	40,934	AC	63	Fair	100	0	0	3	8
MNI	TL 01	Taxilane	20	26,188	AC	81	Satisfactory	100	0	0	2	5
MNI	TL 02	Taxilane	10	5,220	AC	43	Poor	100	0	0	1	1
MNI	TW A	Taxiway	10	77,605	AC	66	Fair	78	22	0	4	17
MNI	TW A	Taxiway	15	3,205	AC	48	Poor	95	0	5	1	1
MNI	TW A	Taxiway	20	40,215	AC	53	Poor	100	0	0	2	9
MNI	TW B	Taxiway	10	8,630	AC	65	Fair	100	0	0	1	2
MNI	TW TA 2	Taxiway	10	9,201	AC	63	Fair	100	0	0	1	2
MNI	TW TA 20	Taxiway	10	8,765	AC	60	Fair	100	0	0	1	2



STATEWIDE AIRFIELD PAVEMENT MANAGEMENT SYSTEM UPDATE

MNI - Santee Cooper Regional Airport

Table B4 –Forecasted (2025-2029) Pavement Condition Index Summary - Section

Network ID	Branch ID	Section ID	Current PCI	Forecasted PCI				
				2025	2026	2027	2028	2029
MNI	AP 01	10	100	94	91	89	87	85
MNI	AP 01	20	100	94	91	89	87	85
MNI	AP 01	30	13	12	12	12	11	11
MNI	AP 01	40	98	97	97	97	96	96
MNI	AP 02	10	27	25	24	23	21	20
MNI	RW 2	10	63	62	61	60	60	59
MNI	TL 01	10	63	62	62	61	61	61
MNI	TL 01	20	81	80	79	77	76	75
MNI	TL 02	10	43	42	42	41	40	39
MNI	TW A	10	66	65	64	64	63	62
MNI	TW A	15	48	46	45	43	43	42
MNI	TW A	20	53	51	50	48	46	45
MNI	TW B	10	65	64	63	63	62	62
MNI	TW TA 2	10	63	62	62	61	61	61
MNI	TW TA 20	10	60	59	59	58	57	56



Appendix C – Maintenance and Rehabilitation Tables

Table C1 – Localized Maintenance Summary by Policy Type

Localized Maintenance Category	Localized Work Type	Rough Estimate of Work Quantity	Work Units	Planning Material Cost
Localized Preventive Maintenance	AC Crack Sealing Narrow	880	LF	\$ 3,740
	Surface Seal	1,309	SF	\$ 2,170
Localized Preventive Maintenance Total =				\$ 5,910
Localized Stopgap Maintenance	AC Crack Sealing Narrow	2,494	LF	\$ 10,610
	AC Crack Sealing Wide	98	LF	\$ 2,320
	Surface Seal	386,733	SF	\$ 638,170
	AC Full-Depth Patching	299	SF	\$ 9,880
	PCC Joint Seal	211	LF	\$ 2,540
Localized Stopgap Maintenance Total =				\$ 663,520
Planning-Level Localized M&R Needs =				\$ 669,430

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

Network ID	Branch ID	Section ID	Area (SF)	Start PCI	End PCI	Cost
MNI	AP 01	10	98,413	100	100	\$ -
MNI	AP 01	20	14,775	100	100	\$ -
MNI	AP 01	30	2,979	13	17	\$ 2,540
MNI	AP 01	40	6,553	98	98	\$ -
MNI	AP 02	10	10,200	27	45	\$ 21,330
MNI	RW 2	10	270,150	63	69	\$ 425,280
MNI	TL 01	10	40,934	63	65	\$ 4,140
MNI	TL 01	20	26,188	81	84	\$ 5,900
MNI	TL 02	10	5,220	43	94	\$ 8,620
MNI	TW A	10	77,605	66	73	\$ 128,050
MNI	TW A	15	3,205	48	56	\$ 3,740
MNI	TW A	20	40,215	53	67	\$ 25,880
MNI	TW B	10	8,630	65	70	\$ 14,240
MNI	TW TA 2	10	9,201	63	68	\$ 15,190
MNI	TW TA 20	10	8,765	60	65	\$ 14,470



STATEWIDE AIRFIELD PAVEMENT MANAGEMENT SYSTEM UPDATE

MNI - Santee Cooper Regional Airport

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

Network ID	Branch ID	Section ID	Description	Severity	Distress Qty	Distress Unit	Distress Density	Policy Type	Localized Work Type	Work Qty	Work Unit	Unit Cost	Work Cost
MNI	TL 01	20	L & T CR	Low	880	LF	3.4%	Preventive	AC Crack Sealing Narrow	880	LF	\$ 4.25	\$ 3,740
MNI	TL 01	20	WEATHERING	Medium	1,309	SF	5.0%	Preventive	Surface Seal	1,309	SF	\$ 1.65	\$ 2,170
MNI	AP 01	30	JT SEAL DMG	High	8	Slabs	100.0%	Stopgap	PCC Joint Seal	211	LF	\$ 12.00	\$ 2,540
MNI	AP 02	10	ALLIGATOR CR	Medium	137	SF	1.4%	Stopgap	AC Full-Depth Patching	188	SF	\$ 33.00	\$ 6,220
MNI	AP 02	10	ALLIGATOR CR	High	72	SF	0.7%	Stopgap	AC Full-Depth Patching	111	SF	\$ 33.00	\$ 3,660
MNI	AP 02	10	WEATHERING	Medium	6,943	SF	68.1%	Stopgap	Surface Seal	6,943	SF	\$ 1.65	\$ 11,460
MNI	RW 2	10	WEATHERING	Medium	257,739	SF	95.4%	Stopgap	Surface Seal	257,740	SF	\$ 1.65	\$ 425,280
MNI	TL 01	10	L & T CR	Medium	974	LF	2.4%	Stopgap	AC Crack Sealing Narrow	974	LF	\$ 4.25	\$ 4,140
MNI	TL 02	10	RAVELING	Medium	5,220	SF	100.0%	Stopgap	Surface Seal	5,221	SF	\$ 1.65	\$ 8,620
MNI	TW A	10	WEATHERING	Medium	77,605	SF	100.0%	Stopgap	Surface Seal	77,605	SF	\$ 1.65	\$ 128,050
MNI	TW A	15	RAVELING	Medium	60	SF	1.9%	Stopgap	Surface Seal	60	SF	\$ 1.65	\$ 100
MNI	TW A	15	WEATHERING	Medium	2,201	SF	68.7%	Stopgap	Surface Seal	2,201	SF	\$ 1.65	\$ 3,640
MNI	TW A	20	L & T CR	Medium	1,520	LF	3.8%	Stopgap	AC Crack Sealing Narrow	1,520	LF	\$ 4.25	\$ 6,470
MNI	TW A	20	L & T CR	High	98	LF	0.2%	Stopgap	AC Crack Sealing Wide	98	LF	\$ 23.50	\$ 2,320
MNI	TW A	20	RAVELING	Medium	697	SF	1.7%	Stopgap	Surface Seal	698	SF	\$ 1.65	\$ 1,160
MNI	TW A	20	WEATHERING	Medium	9,670	SF	24.1%	Stopgap	Surface Seal	9,670	SF	\$ 1.65	\$ 15,960
MNI	TW B	10	WEATHERING	Medium	8,630	SF	100.0%	Stopgap	Surface Seal	8,631	SF	\$ 1.65	\$ 14,240
MNI	TW TA 2	10	WEATHERING	Medium	9,201	SF	100.0%	Stopgap	Surface Seal	9,201	SF	\$ 1.65	\$ 15,190
MNI	TW TA 20	10	WEATHERING	Medium	8,765	SF	100.0%	Stopgap	Surface Seal	8,765	SF	\$ 1.65	\$ 14,470

MNI - Santee Cooper Regional Airport

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
2025	MNI	AP 01	30	PCC	2,979	12	PCC Reconstruction	\$ 150,000
2025	MNI	AP 02	10	AC	10,200	25	AC Reconstruction	\$ 360,000
2025	MNI	RW 2	10	AC	270,150	62	AC Rehabilitation	\$ 2,837,000
2025	MNI	TL 01	10	AC	40,934	62	AC Rehabilitation	\$ 430,000
2025	MNI	TL 02	10	AC	5,220	42	AC Reconstruction	\$ 185,000
2025	MNI	TW A	10	AC	77,605	65	AC Rehabilitation	\$ 815,000
2025	MNI	TW A	15	AC	3,205	46	AC Reconstruction	\$ 113,000
2025	MNI	TW A	20	AC	40,215	51	AC Reconstruction	\$ 1,418,000
2025	MNI	TW B	10	AC	8,630	64	AC Rehabilitation	\$ 91,000
2025	MNI	TW TA 2	10	AC	9,201	62	AC Rehabilitation	\$ 97,000
2025	MNI	TW TA 20	10	AC	8,765	59	AC Rehabilitation	\$ 93,000
Total 5-Year Major Rehabilitation Needs =								\$ 6,589,000



Appendix D – PCI Results Summary



STATEWIDE AIRFIELD PAVEMENT MANAGEMENT SYSTEM UPDATE



MNI - Santee Cooper Regional Airport

RW 2

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
RW 2	RUNWAY	1	270,150	63	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	270,150	AC	1965	2017	63	Fair	100	0	0



RW 2-10



TW A

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TW A	TAXIWAY	3	121,025	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	77,605	AC	1981	2017	66	Fair	78	22	0
15	3,205	AC	1981	2017	48	Poor	95	0	5
20	40,215	AC	1981	2017	53	Poor	100	0	0



TW A-10



TW A-15



TW A-20



STATEWIDE AIRFIELD PAVEMENT MANAGEMENT SYSTEM UPDATE

MNI - Santee Cooper Regional Airport

TW B

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TW B	TAXIWAY	1	8,630	65	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	8,630	AC	1965	2017	65	Fair	100	0	0



TW B-10

TW TA 2

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TW TA 2	TAXIWAY	1	9,201	63	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	9,201	AC	1965	2017	63	Fair	100	0	0



TW TA 2-10



TW TA 20

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TW TA 20	TAXIWAY	1	8,765	60	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	8,765	AC	1965	2017	60	Fair	100	0	0



TW TA 20-10



TL 01

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TL 01	TAXILANE	2	67,122	70	Fair

Section ID	Area (SF)	Surface	Est. Last Major Work Year	Est. Last Global Treatment Year	PCI	Condition Rating	PCI % Climate	PCI % Load	PCI % Other
10	40,934	AC	2003	2017	63	Fair	100	0	0
20	26,188	AC	2007	2017	81	Satisfactory	100	0	0



TL 01-10



TL 01-20



TL 02

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TL 02	TAXILANE	1	5,220	43	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	5,220	AC	2005	-	43	Poor	100	0	0



TL 02-10

AP 01

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
AP 01	APRON	4	122,720	98	Good

Section ID	Area (SF)	Surface	Est. Last Major Work Year	Est. Last Global Treatment Year	PCI	Condition Rating	PCI % Climate	PCI % Load	PCI % Other
10	98,413	AC	2022	-	100	Good	0	0	0
20	14,775	AC	2022	-	100	Good	0	0	0
30	2,979	PCC	1994	-	13	Serious	10	81	9
40	6,553	PCC	2005	-	98	Good	0	0	100



AP 01-30



AP 01-40



STATEWIDE AIRFIELD PAVEMENT MANAGEMENT SYSTEM UPDATE



MNI - Santee Cooper Regional Airport

AP 02

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
AP 02	APRON	1	10,200	27	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	10,200	AC	1981	2005	27	Very Poor	54	41	5



AP 02-10



Appendix E – Re-Inspection Report

Re-Inspection Report

SCAC_2024

Generated Date

6/17/2024

Page 1 of 18

Network:	MNI	Name:	SANTEE COOPER REGIONAL AIRPORT		
Branch:	AP 01	Name:	APRON 01	Use:	APRON
		Area:	122,720 SqFt		
Section:	10	of	4	From:	-
		To:	-		
Last Const.:	7/1/2022				
Surface:	AC	Family:	2024_SC III IV-AP-AC	Zone:	
		Category:	G		
Rank:	S				
Area:	98,413 SqFt	Length:	453 Ft	Width:	322 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:	Base Course - Aggregate	Code:	BA-AG
		Is Major M&R:	False		
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		
Work Date:	1/1/1994	Work Type:	Surface Treatment - Seal Coat	Code:	ST-SC
		Is Major M&R:	False		
Work Date:	1/1/1998	Work Type:	Mill and Overlay	Code:	ML-OV
		Is Major M&R:	True		
Work Date:	1/1/2005	Work Type:	Surface Treatment - Seal Coat	Code:	ST-SC
		Is Major M&R:	False		
Work Date:	1/1/2017	Work Type:	Surface Treatment - Seal Coat	Code:	ST-SC
		Is Major M&R:	False		
Work Date:	1/1/2017	Work Type:	Crack Sealing - AC	Code:	CS-AC
		Is Major M&R:	False		
Work Date:	7/1/2022	Work Type:	Reconstruction - AC	Code:	RC-AC
		Is Major M&R:	True		
Work Date:	7/2/2022	Work Type:	Base Course - Aggregate	Code:	BA-AG
		Is Major M&R:	False		
Work Date:	7/3/2022	Work Type:	Surface Course - AC (Layer Construct)	Code:	LC-AC
		Is Major M&R:	False		
Last Insp. Date:	7/14/2017	Total Samples:	14	Surveyed:	11
Conditions:	PCI: 85	NOTE: *** Pre-Construction PCI ***			
Inspection Comments:					
Sample Number:	1	Type:	R	Area:	5000.00 SqFt
		PCI:	92		
Sample Comments:					
48	L & T CR	L	119.00	Ft	
Sample Number:	1_20	Type:	R	Area:	5000.00 SqFt
		PCI:	74		
Sample Comments:					
48	L & T CR	L	264.00	Ft	
50	PATCHING	L	1061.00	SqFt	
Sample Number:	2	Type:	R	Area:	5000.00 SqFt
		PCI:	89		
Sample Comments:					
48	L & T CR	L	173.00	Ft	
Sample Number:	2_20	Type:	R	Area:	5000.00 SqFt
		PCI:	91		
Sample Comments:					
48	L & T CR	L	127.00	Ft	
Sample Number:	3	Type:	R	Area:	5000.00 SqFt
		PCI:	81		
Sample Comments:					
48	L & T CR	L	349.00	Ft	
Sample Number:	3_20	Type:	R	Area:	5000.00 SqFt
		PCI:	91		
Sample Comments:					
48	L & T CR	L	123.00	Ft	

Sample Number: 4		Type: R	Area: 5000.00 SqFt	PCI: 83
Sample Comments:				
48	L & T CR	L	318.00 Ft	
Sample Number: 5		Type: R	Area: 5000.00 SqFt	PCI: 87
Sample Comments:				
48	L & T CR	L	205.00 Ft	
Sample Number: 6		Type: R	Area: 5000.00 SqFt	PCI: 81
Sample Comments:				
48	L & T CR	L	346.00 Ft	
Sample Number: 7		Type: R	Area: 5000.00 SqFt	PCI: 84
Sample Comments:				
48	L & T CR	L	273.00 Ft	
Sample Number: 8		Type: R	Area: 5000.00 SqFt	PCI: 85
Sample Comments:				
48	L & T CR	L	253.00 Ft	



Network:	MNI	Name:	SANTÉE COOPER REGIONAL AIRPORT						
Branch:	AP 01	Name:	APRON 01	Use:	APRON	Area:	122,720 SqFt		
Section:	20	of	4	From:	-	To:	-	Last Const.:	7/1/2022
Surface:	AC	Family:	2024_SC III IV-AP-AC	Zone:		Category:	G	Rank:	S
Area:	14,775 SqFt	Length:	170 Ft	Width:	151 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:	Base Course - Aggregate		Code:	BA-AG	Is Major M&R:	False	
Work Date:	6/1/1965	Work Type:	New Construction - AC		Code:	NC-AC	Is Major M&R:	True	
Work Date:	6/1/1965	Work Type:	Surface Course - AC (Layer Construct)		Code:	SU-AC	Is Major M&R:	False	
Work Date:	1/1/1998	Work Type:	New Construction - AC		Code:	NC-AC	Is Major M&R:	True	
Work Date:	1/1/2001	Work Type:	Surface Treatment - Seal Coat		Code:	ST-SC	Is Major M&R:	False	
Work Date:	1/1/2005	Work Type:	Surface Treatment - Seal Coat		Code:	ST-SC	Is Major M&R:	False	
Work Date:	1/1/2017	Work Type:	Surface Treatment - Seal Coat		Code:	ST-SC	Is Major M&R:	False	
Work Date:	1/1/2017	Work Type:	Crack Sealing - AC		Code:	CS-AC	Is Major M&R:	False	
Work Date:	7/1/2022	Work Type:	Reconstruction - AC		Code:	RC-AC	Is Major M&R:	True	
Work Date:	7/2/2022	Work Type:	Base Course - Aggregate		Code:	BA-AG	Is Major M&R:	False	
Work Date:	7/3/2022	Work Type:	Surface Course - AC (Layer Construct)		Code:	LC-AC	Is Major M&R:	False	
Last Insp. Date:	7/14/2017	Total Samples:	14	Surveyed:	8				
Conditions:	PCI: 85	NOTE: *** Pre-Construction PCI ***							
Inspection Comments:									
Sample Number:	1	Type:	R	Area:	5000.00 SqFt	PCI:	92		
Sample Comments:									
48	L & T CR	L	119.00	Ft					
Sample Number:	2	Type:	R	Area:	5000.00 SqFt	PCI:	89		
Sample Comments:									
48	L & T CR	L	173.00	Ft					
Sample Number:	3	Type:	R	Area:	5000.00 SqFt	PCI:	81		
Sample Comments:									
48	L & T CR	L	349.00	Ft					
Sample Number:	4	Type:	R	Area:	5000.00 SqFt	PCI:	83		
Sample Comments:									
48	L & T CR	L	318.00	Ft					
Sample Number:	5	Type:	R	Area:	5000.00 SqFt	PCI:	87		
Sample Comments:									
48	L & T CR	L	205.00	Ft					
Sample Number:	6	Type:	R	Area:	5000.00 SqFt	PCI:	81		
Sample Comments:									
48	L & T CR	L	346.00	Ft					
Sample Number:	7	Type:	R	Area:	5000.00 SqFt	PCI:	84		
Sample Comments:									
48	L & T CR	L	273.00	Ft					
Sample Number:	8	Type:	R	Area:	5000.00 SqFt	PCI:	85		
Sample Comments:									



Network:	MNI	Name:	SANTEE COOPER REGIONAL AIRPORT						
Branch:	AP 01	Name:	APRON 01	Use:	APRON	Area:	122,720 SqFt		
Section:	30	of	4	From:	-	To:	-	Last Const.:	1/1/1994
Surface:	PCC	Family:	2024_SC II III IV-PCC	Zone:		Category:		Rank:	S
Area:	2,979 SqFt	Length:	59 Ft	Width:	51 Ft				
Slabs:	8	Slab Length:	25 Ft	Slab Width:	15 Ft	Joint Length:	211 Ft		
Shoulder:		Street Type:		Grade:	0	Lanes:	0		
Section Comments:									
Work Date:	1/1/1994	Work Type:	New Construction - PCC		Code:	NC-PC	Is Major M&R:	True	
Last Insp. Date:	10/23/2023	TotalSamples:	1	Surveyed:	1				
Conditions:	PCI:	13							
Inspection Comments:									
Sample Number:	01	Type:	R	Area:	8.00 Slabs	PCI:	13		
Sample Comments:									

63	LINEAR CR	L	2.00	Slabs
65	JT SEAL DMG	H	8.00	Slabs
67	LARGE PATCH	L	1.00	Slabs
72	SHAT. SLAB	L	1.00	Slabs
72	SHAT. SLAB	M	5.00	Slabs
73	SHRINKAGE CR	N	2.00	Slabs



Network:	MNI	Name:	Santee Cooper Regional Airport						
Branch:	AP 01	Name:	APRON 01	Use:	APRON	Area:	122,720 SqFt		
Section:	40	of	1	From:	-	To:	-	Last Const.:	1/1/2005
Surface:	PCC	Family:	2024_SC II III IV-PCC	Zone:		Category:		Rank:	T
Area:	6,553 SqFt	Length:	120 Ft	Width:	56 Ft				
Slabs:	77	Slab Length:	10 Ft	Slab Width:	8 Ft	Joint Length:	1,287 Ft		
Shoulder:		Street Type:		Grade:	0	Lanes:	0		
Section Comments:									
Work Date:	1/1/2005	Work Type:	New Construction - PCC		Code:	NC-PC	Is Major M&R:	True	
Last Insp. Date:	10/23/2023	Total Samples:	5	Surveyed:	1				
Conditions:	PCI: 98								
Inspection Comments:									
Sample Number:	05	Type:	R	Area:	20.00 Slabs	PCI:	98		
Sample Comments:									
75	CORNER SPALL	L	1.00	Slabs					



Network:	MNI	Name:	SANTEE COOPER REGIONAL AIRPORT						
Branch:	AP 02	Name:	APRON 02	Use:	APRON	Area:	10,200 SqFt		
Section:	10	of	1	From:	-	To:	-	Last Const.:	10/1/1981
Surface:	AC	Family:	2024_SC III IV-AP-AC	Zone:		Category:	G	Rank:	T
Area:	10,200 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:	10/1/1981	Work Type:	New Construction - AC			Code:	NC-AC	Is Major M&R:	True
Work Date:	10/1/1981	Work Type:	Base Course - Aggregate			Code:	BA-AG	Is Major M&R:	False
Work Date:	10/1/1981	Work Type:	Surface Course - AC (Layer Construct)			Code:	SU-AC	Is Major M&R:	False
Work Date:	1/1/2005	Work Type:	Surface Treatment - Seal Coat			Code:	ST-SC	Is Major M&R:	False
Last Insp. Date:	10/23/2023	TotalSamples:	2	Surveyed:	1				
Conditions:	PCI:	27							
Inspection Comments:									

Sample Number:	01	Type:	R	Area:	5349.00 SqFt	PCI:	27
Sample Comments:							

41	ALLIGATOR CR	M	72.00	SqFt
41	ALLIGATOR CR	H	38.00	SqFt
43	BLOCK CR	L	5091.00	SqFt
45	DEPRESSION	L	58.00	SqFt
50	PATCHING	L	18.00	SqFt
50	PATCHING	M	130.00	SqFt
52	RAVELING	L	1560.00	SqFt
57	WEATHERING	M	3641.00	SqFt



Network:	MNI		Name:		SANTÉE COOPER REGIONAL AIRPORT							
Branch:	RW 2		Name:		RUNWAY 2-20		Use:	RUNWAY	Area:	270,150 SqFt		
Section:	10		of 1		From: -		To: -		Last Const.: 4/1/1965			
Surface:	AC		Family:		2024_SC III IV-RW-AC		Zone:		Category: G		Rank: S	
Area:	270,150 SqFt		Length:		3,602 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:		4/1/1965		Work Type: New Construction - AC				Code:		NC-AC		Is Major M&R: True
Work Date:		4/1/1965		Work Type: Surface Course - AC (Layer Construct)				Code:		SU-AC		Is Major M&R: False
Work Date:		4/1/1965		Work Type: Base Course - Aggregate				Code:		BA-AG		Is Major M&R: False
Work Date:		1/1/2005		Work Type: Surface Treatment - Seal Coat				Code:		ST-SC		Is Major M&R: False
Work Date:		1/1/2013		Work Type: Crack Sealing - AC				Code:		CS-AC		Is Major M&R: False
Work Date:		1/1/2017		Work Type: Crack Sealing - AC				Code:		CS-AC		Is Major M&R: False
Work Date:		1/1/2017		Work Type: Surface Treatment - Seal Coat				Code:		ST-SC		Is Major M&R: False
Last Insp. Date:		10/23/2023		TotalSamples:		48		Surveyed: 10				
Conditions:		PCI: 63										
Inspection Comments:												
Sample Number:		02		Type:		R		Area:		5625.00 SqFt		PCI: 67
Sample Comments:												
48	L & T CR		L		814.00 Ft							
57	WEATHERING		M		5625.00 SqFt							
Sample Number:		05		Type:		R		Area:		5625.00 SqFt		PCI: 62
Sample Comments:												
43	BLOCK CR		L		600.00 SqFt							
48	L & T CR		L		675.00 Ft							
57	WEATHERING		M		5625.00 SqFt							
Sample Number:		09		Type:		R		Area:		5625.00 SqFt		PCI: 61
Sample Comments:												
48	L & T CR		L		826.00 Ft							
52	RAVELING		L		281.00 SqFt							
57	WEATHERING		M		5344.00 SqFt							
Sample Number:		16		Type:		R		Area:		5625.00 SqFt		PCI: 63
Sample Comments:												
48	L & T CR		L		1028.00 Ft							
57	WEATHERING		M		5625.00 SqFt							
Sample Number:		23		Type:		R		Area:		5625.00 SqFt		PCI: 60
Sample Comments:												
43	BLOCK CR		L		675.00 SqFt							
48	L & T CR		L		756.00 Ft							
57	WEATHERING		M		5625.00 SqFt							
Sample Number:		27		Type:		R		Area:		5625.00 SqFt		PCI: 68
Sample Comments:												
48	L & T CR		L		735.00 Ft							
57	WEATHERING		M		5625.00 SqFt							
Sample Number:		34		Type:		R		Area:		5625.00 SqFt		PCI: 61
Sample Comments:												
43	BLOCK CR		L		624.00 SqFt							
48	L & T CR		L		723.00 Ft							

57	WEATHERING	M	5625.00	SqFt		
<hr/>						
Sample Number: 37		Type: R	Area: 5625.00 SqFt		PCI: 63	
Sample Comments:						
48	L & T CR	L	1027.00	Ft		
57	WEATHERING	M	5625.00	SqFt		
<hr/>						
Sample Number: 41		Type: R	Area: 5625.00 SqFt		PCI: 65	
Sample Comments:						
48	L & T CR	L	895.00	Ft		
57	WEATHERING	M	5625.00	SqFt		
<hr/>						
Sample Number: 48		Type: R	Area: 5775.00 SqFt		PCI: 62	
Sample Comments:						
48	L & T CR	L	1198.00	Ft		
57	WEATHERING	L	2310.00	SqFt		
57	WEATHERING	M	3465.00	SqFt		



Network:	MNI		Name:	SANTEE COOPER REGIONAL AIRPORT							
Branch:	TL 01		Name:	TAXILANE 01		Use:	TAXILANE	Area:	67,122 SqFt		
Section:	10	of 2	From:	-		To:	-		Last Const.:	1/1/2003	
Surface:	AC	Family:	2024_SC III IV-TW TL-AC		Zone:			Category:	G	Rank:	T
Area:	40,934 SqFt		Length:	1,450 Ft		Width:	25 Ft				
Slabs:	Slab Length:		Ft		Slab Width:	Ft		Joint Length:	Ft		
Shoulder:	Street Type:		Grade:		0		Lanes:	0			
Section Comments:											
Work Date:	1/1/2003		Work Type:	Surface Course - AC (Layer Construct)			Code:	SU-AC		Is Major M&R:	False
Work Date:	1/1/2003		Work Type:	New Construction - AC			Code:	NC-AC		Is Major M&R:	True
Work Date:	1/1/2005		Work Type:	Surface Treatment - Seal Coat			Code:	ST-SC		Is Major M&R:	False
Work Date:	1/1/2017		Work Type:	Crack Sealing - AC			Code:	CS-AC		Is Major M&R:	False
Work Date:	1/1/2017		Work Type:	Surface Treatment - Seal Coat			Code:	ST-SC		Is Major M&R:	False
Last Insp. Date:	10/23/2023		TotalSamples:	8		Surveyed:	3				
Conditions:	PCI:		63								
Inspection Comments:											
Sample Number:	01		Type:	R		Area:	4018.00 SqFt		PCI:	56	
Sample Comments:											
48	L & T CR		L	844.00 Ft							
48	L & T CR		M	43.00 Ft							
52	RAVELING		L	402.00 SqFt							
Sample Number:	04		Type:	R		Area:	6887.00 SqFt		PCI:	59	
Sample Comments:											
48	L & T CR		L	976.00 Ft							
48	L & T CR		M	209.00 Ft							
50	PATCHING		L	42.00 SqFt							
52	RAVELING		L	685.00 SqFt							
Sample Number:	07		Type:	R		Area:	4900.00 SqFt		PCI:	72	
Sample Comments:											
48	L & T CR		L	322.00 Ft							
48	L & T CR		M	124.00 Ft							
52	RAVELING		L	490.00 SqFt							

Network:	MNI		Name:	SANTEE COOPER REGIONAL AIRPORT						
Branch:	TL 01	Name:	TAXILANE 01		Use:	TAXILANE	Area:	67,122 SqFt		
Section:	20	of	2	From:	-	To:	-	Last Const.:	1/1/2007	
Surface:	AC	Family:	2024_SC III IV-TW TL-AC		Zone:		Category:		Rank:	T
Area:	26,188 SqFt	Length:	373 Ft		Width:	47 Ft				
Slabs:		Slab Length:	Ft		Slab Width:	Ft		Joint Length:	Ft	
Shoulder:		Street Type:			Grade:	0		Lanes:	0	
Section Comments:										
Work Date:	1/1/2007		Work Type: New Construction - AC			Code:	NC-AC		Is Major M&R: True	
Work Date:	1/1/2017		Work Type: Surface Treatment - Seal Coat			Code:	ST-SC		Is Major M&R: False	
Work Date:	1/1/2017		Work Type: Crack Sealing - AC			Code:	CS-AC		Is Major M&R: False	
Last Insp. Date:	10/23/2023		TotalSamples:	5		Surveyed:	2			
Conditions:	PCI: 81									
Inspection Comments:										
Sample Number:	02		Type:	R		Area:	6125.00 SqFt		PCI: 83	
Sample Comments:										
48	L & T CR		L	143.00 Ft						
57	WEATHERING		L	5819.00 SqFt						
57	WEATHERING		M	306.00 SqFt						
Sample Number:	05		Type:	R		Area:	4175.00 SqFt		PCI: 77	
Sample Comments:										
48	L & T CR		L	203.00 Ft						
57	WEATHERING		L	3966.00 SqFt						
57	WEATHERING		M	209.00 SqFt						



Network:	MNI	Name:	SANTEE COOPER REGIONAL AIRPORT						
Branch:	TL 02	Name:	TAXILANE 02	Use:	TAXILANE	Area:	5,220 SqFt		
Section:	10	of	1	From:	-	To:	-	Last Const.:	1/1/2005
Surface:	AC	Family:	2024_SC III IV-TW TL-AC	Zone:		Category:		Rank:	T
Area:	5,220 SqFt	Length:	220 Ft	Width:	27 Ft				
Slabs:		Slab Length:	Ft	Slab Width:	Ft	Joint Length:		Ft	
Shoulder:		Street Type:		Grade:	0	Lanes:	0		
Section Comments:									
Work Date:	1/1/2005	Work Type:	New Construction - AC	Code:	NC-AC	Is Major M&R:	True		
Last Insp. Date:	10/23/2023	TotalSamples:	1	Surveyed:	1				
Conditions:	PCI: 43								
Inspection Comments:									
Sample Number:	01	Type:	R	Area:	5220.00 SqFt	PCI:	43		
Sample Comments:									
52	RAVELING	M	5220.00	SqFt					



Network:		MNI		Name:		SANTEE COOPER REGIONAL AIRPORT								
Branch:	TW A		Name:		TAXIWAY A		Use:	TAXIWAY	Area:	121,025 SqFt				
Section:	10		of 3		From:	-		To:	-		Last Const.:	6/1/1981		
Surface:	AC		Family:	2024_SC III IV-TW TL-AC		Zone:			Category:	G		Rank:	S	
Area:	77,605 SqFt		Length:	2,576 Ft		Width:	30 Ft							
Slabs:			Slab Length:	Ft		Slab Width:	Ft		Joint Length:	Ft				
Shoulder:			Street Type:			Grade:	0		Lanes:	0				
Section Comments:														
Work Date:	6/1/1981		Work Type:					Base Course - Aggregate		Code:	BA-AG		Is Major M&R:	False
Work Date:	6/1/1981		Work Type:					Surface Course - AC (Layer Construct)		Code:	SU-AC		Is Major M&R:	False
Work Date:	6/1/1981		Work Type:					New Construction - AC		Code:	NC-AC		Is Major M&R:	True
Work Date:	1/1/2005		Work Type:					Surface Treatment - Seal Coat		Code:	ST-SC		Is Major M&R:	False
Work Date:	1/1/2013		Work Type:					Crack Sealing - AC		Code:	CS-AC		Is Major M&R:	False
Work Date:	1/1/2017		Work Type:					Surface Treatment - Seal Coat		Code:	ST-SC		Is Major M&R:	False
Work Date:	1/1/2017		Work Type:					Crack Sealing - AC		Code:	CS-AC		Is Major M&R:	False
Last Insp. Date:	10/23/2023		TotalSamples:		17		Surveyed:		4					
Conditions:	PCI:		66											
Inspection Comments:														
Sample Number:	02		Type:	R		Area:	4500.00 SqFt		PCI:	73				
Sample Comments:														
48	L & T CR		L	406.00 Ft										
57	WEATHERING		M	4500.00 SqFt										
Sample Number:	07		Type:	R		Area:	4500.00 SqFt		PCI:	55				
Sample Comments:														
41	ALLIGATOR CR		L	76.00 SqFt										
48	L & T CR		L	621.00 Ft										
57	WEATHERING		M	4500.00 SqFt										
Sample Number:	13		Type:	R		Area:	4500.00 SqFt		PCI:	66				
Sample Comments:														
48	L & T CR		L	689.00 Ft										
57	WEATHERING		M	4500.00 SqFt										
Sample Number:	15		Type:	R		Area:	4500.00 SqFt		PCI:	72				
Sample Comments:														
48	L & T CR		L	457.00 Ft										
57	WEATHERING		M	4500.00 SqFt										

Network:	MNI		Name:	SANTEE COOPER REGIONAL AIRPORT							
Branch:	TW A		Name:	TAXIWAY A		Use:	TAXIWAY	Area:	121,025 SqFt		
Section:	15	of 3	From:	-		To:	-		Last Const.:	6/1/1981	
Surface:	AC	Family:	2024_SC III IV-TW TL-AC		Zone:	Category: G		Rank:	S		
Area:	3,205 SqFt		Length:	120 Ft		Width:	30 Ft				
Slabs:	Slab Length:		Ft		Slab Width:	Ft		Joint Length:	Ft		
Shoulder:	Street Type:		Grade:		0		Lanes:	0			
Section Comments:											
Work Date:	6/1/1981		Work Type:	New Construction - AC			Code:	NC-AC		Is Major M&R:	True
Work Date:	6/1/1981		Work Type:	Base Course - Aggregate			Code:	BA-AG		Is Major M&R:	False
Work Date:	6/1/1981		Work Type:	Surface Course - AC (Layer Construct)			Code:	SU-AC		Is Major M&R:	False
Work Date:	1/1/2017		Work Type:	Crack Sealing - AC			Code:	CS-AC		Is Major M&R:	False
Work Date:	1/1/2017		Work Type:	Surface Treatment - Seal Coat			Code:	ST-SC		Is Major M&R:	False
Last Insp. Date:	10/23/2023		TotalSamples:	1		Surveyed:	1				
Conditions:	PCI:		48								
Inspection Comments:											

Sample Number:	01	Type:	R	Area:	3205.00 SqFt	PCI:	48
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Sample Comments:

43	BLOCK CR	L	733.00	SqFt
45	DEPRESSION	M	3.00	SqFt
48	L & T CR	L	428.00	Ft
52	RAVELING	L	944.00	SqFt
52	RAVELING	M	60.00	SqFt
57	WEATHERING	M	2201.00	SqFt



Network:	MNI		Name:	SANTEE COOPER REGIONAL AIRPORT						
Branch:	TW A		Name:	TAXIWAY A		Use:	TAXIWAY	Area:	121,025 SqFt	
Section:	20	of 3	From:	-		To:	-		Last Const.:	6/1/1981
Surface:	AC	Family:	2024_SC III IV-TW TL-AC		Zone:	Category:		G	Rank:	S
Area:	40,215 SqFt		Length:	1,270 Ft		Width:	30 Ft			
Slabs:	Slab Length:		Ft		Slab Width:	Ft		Joint Length:	Ft	
Shoulder:	Street Type:		Grade:		0		Lanes:	0		
Section Comments:										
Work Date:	6/1/1981		Work Type:			Surface Course - AC (Layer Construct)		Code:	SU-AC	
Work Date:	6/1/1981		Work Type:			Base Course - Aggregate		Code:	BA-AG	
Work Date:	6/1/1981		Work Type:			New Construction - AC		Code:	NC-AC	
Work Date:	1/1/2005		Work Type:			Surface Treatment - Seal Coat		Code:	ST-SC	
Work Date:	1/1/2013		Work Type:			Crack Sealing - AC		Code:	CS-AC	
Work Date:	1/1/2017		Work Type:			Surface Treatment - Seal Coat		Code:	ST-SC	
Work Date:	1/1/2017		Work Type:			Crack Sealing - AC		Code:	CS-AC	
Last Insp. Date:	10/23/2023		TotalSamples:	9		Surveyed:	2			
Conditions:	PCI:		53							
Inspection Comments:										
Sample Number:	02		Type:	R		Area:	4495.00 SqFt		PCI:	51
Sample Comments:										
48	L & T CR		L	324.00 Ft						
48	L & T CR		M	111.00 Ft						
48	L & T CR		H	22.00 Ft						
50	PATCHING		L	189.00 SqFt						
52	RAVELING		M	136.00 SqFt						
57	WEATHERING		L	3127.00 SqFt						
57	WEATHERING		M	1043.00 SqFt						
Sample Number:	07		Type:	R		Area:	4500.00 SqFt		PCI:	54
Sample Comments:										
48	L & T CR		L	382.00 Ft						
48	L & T CR		M	229.00 Ft						
52	RAVELING		M	20.00 SqFt						
57	WEATHERING		L	3360.00 SqFt						
57	WEATHERING		M	1120.00 SqFt						

Network:	MNI	Name:	SANTEE COOPER REGIONAL AIRPORT											
Branch:	TW B	Name:	TAXIWAY B	Use:	TAXIWAY	Area:	8,630 SqFt							
Section:	10	of	1	From:	-	To:	-	Last Const.:	4/1/1965					
Surface:	AC	Family:	2024_SC III IV-TW TL-AC	Zone:		Category:	G	Rank:	S					
Area:	8,630 SqFt	Length:	205 Ft	Width:	40 Ft									
Slabs:		Slab Length:	Ft	Slab Width:	Ft	Joint Length:	Ft							
Shoulder:		Street Type:		Grade:	0	Lanes:	0							
Section Comments:														
Work Date:	4/1/1965	Work Type:			Base Course - Aggregate	Code:	BA-AG	Is Major M&R:		False				
Work Date:	4/1/1965	Work Type:			Surface Course - AC (Layer Construct)	Code:	SU-AC	Is Major M&R:		False				
Work Date:	4/1/1965	Work Type:			New Construction - AC	Code:	NC-AC	Is Major M&R:		True				
Work Date:	1/1/2005	Work Type:			Surface Treatment - Seal Coat	Code:	ST-SC	Is Major M&R:		False				
Work Date:	1/1/2013	Work Type:			Crack Sealing - AC	Code:	CS-AC	Is Major M&R:		False				
Work Date:	1/1/2017	Work Type:			Surface Treatment - Seal Coat	Code:	ST-SC	Is Major M&R:		False				
Work Date:	1/1/2017	Work Type:			Crack Sealing - AC	Code:	CS-AC	Is Major M&R:		False				
Last Insp. Date:										10/23/2023	TotalSamples:	2	Surveyed:	1
Conditions:										PCI:	65			
Inspection Comments:														
Sample Number:	01	Type:	R	Area:	4269.00 SqFt	PCI:	65							
Sample Comments:														
48	L & T CR	L	681.00 Ft											
57	WEATHERING	M	4269.00 SqFt											



Network:		MNI		Name:		SANTEE COOPER REGIONAL AIRPORT																	
Branch:		TW TA 2		Name:		TAXIWAY TURNAROUND 2		Use:		TAXIWAY		Area:		9,201 SqFt									
Section:		10		of		1		From:		-		To:		-		Last Const.:		4/1/1965					
Surface:		AC		Family:		2024_SC III IV-TW TL-AC		Zone:				Category:		G		Rank:		S					
Area:		9,201 SqFt		Length:		156 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:				4/1/1965				Work Type:				Surface Course - AC (Layer Construct)				Code:		SU-AC		Is Major M&R:		False	
Work Date:				4/1/1965				Work Type:				New Construction - AC				Code:		NC-AC		Is Major M&R:		True	
Work Date:				4/1/1965				Work Type:				Base Course - Aggregate				Code:		BA-AG		Is Major M&R:		False	
Work Date:				1/1/2005				Work Type:				Surface Treatment - Seal Coat				Code:		ST-SC		Is Major M&R:		False	
Work Date:				1/1/2013				Work Type:				Crack Sealing - AC				Code:		CS-AC		Is Major M&R:		False	
Work Date:				1/1/2017				Work Type:				Surface Treatment - Seal Coat				Code:		ST-SC		Is Major M&R:		False	
Work Date:				1/1/2017				Work Type:				Crack Sealing - AC				Code:		CS-AC		Is Major M&R:		False	
Last Insp. Date:				10/23/2023				TotalSamples:				2				Surveyed:				1			
Conditions:				PCI:				63															
Inspection Comments:																							
Sample Number:				02				Type:		R		Area:				4523.00 SqFt				PCI:		63	
Sample Comments:																							
48		L & T CR		L		824.00 Ft																	
57		WEATHERING		M		4523.00 SqFt																	



Network:	MNI	Name:	SANTEE COOPER REGIONAL AIRPORT											
Branch:	TW TA 20	Name:	TAXIWAY TURNAROUND 20	Use:	TAXIWAY	Area:	8,765 SqFt							
Section:	10	of	1	From:	-	To:	-	Last Const.:	4/1/1965					
Surface:	AC	Family:	2024_SC III IV-TW TL-AC	Zone:		Category:	G	Rank:	S					
Area:	8,765 SqFt	Length:	150 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:	4/1/1965	Work Type:			Base Course - Aggregate	Code:	BA-AG	Is Major M&R:		False				
Work Date:	4/1/1965	Work Type:			Surface Course - AC (Layer Construct)	Code:	SU-AC	Is Major M&R:		False				
Work Date:	4/1/1965	Work Type:			New Construction - AC	Code:	NC-AC	Is Major M&R:		True				
Work Date:	1/1/2005	Work Type:			Surface Treatment - Seal Coat	Code:	ST-SC	Is Major M&R:		False				
Work Date:	1/1/2017	Work Type:			Surface Treatment - Seal Coat	Code:	ST-SC	Is Major M&R:		False				
Work Date:	1/1/2017	Work Type:			Crack Sealing - AC	Code:	CS-AC	Is Major M&R:		False				
Last Insp. Date:										10/23/2023	TotalSamples:	2	Surveyed:	1
Conditions:										PCI:	60			
Inspection Comments:														
Sample Number:	01	Type:	R	Area:	4224.00 SqFt	PCI:	60							
Sample Comments:														
48	L & T CR	L	958.00	Ft										
57	WEATHERING	M	4224.00	SqFt										





Kimley»Horn