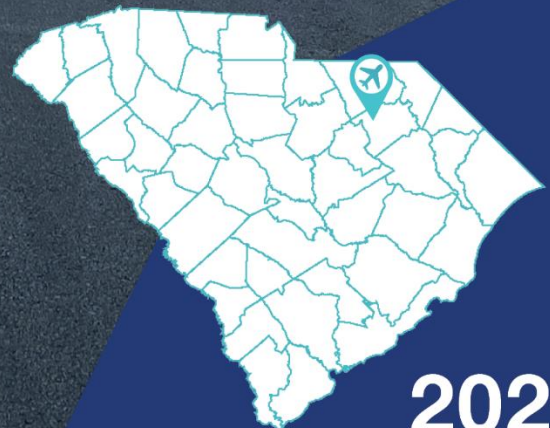




SOUTH CAROLINA AERONAUTICS COMMISSION

# STATEWIDE AIRFIELD PAVEMENT MANAGEMENT SYSTEM UPDATE

 HVS - Hartsville Regional Airport



Kimley»»Horn

2023



# Contents

Overview .....	3
Introduction.....	3
System Inventory.....	4
Functional Evaluation .....	7
Pavement Condition Index.....	7
Critical PCI.....	8
PCI Results .....	8
Pavement Condition Forecast.....	11
M&R Overview .....	14
Localized Maintenance and Repair.....	15
Major Rehabilitation Needs.....	15
Appendix A – Exhibits.....	A-1
Appendix B – Analysis Tables.....	B-1
Appendix C – Maintenance and Rehabilitation Tables .....	C-1
Appendix D – PCI Results Summary .....	D-1
Appendix E – Re-Inspection Report.....	E-1

## Overview

### Introduction

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

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

Project elements performed for 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 Hartsville Regional Airport (HVS).

Figure 1 – Airport Layout



## System Inventory

The pavements at Hartsville Regional Airport (HVS) include approximately 0.7 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.

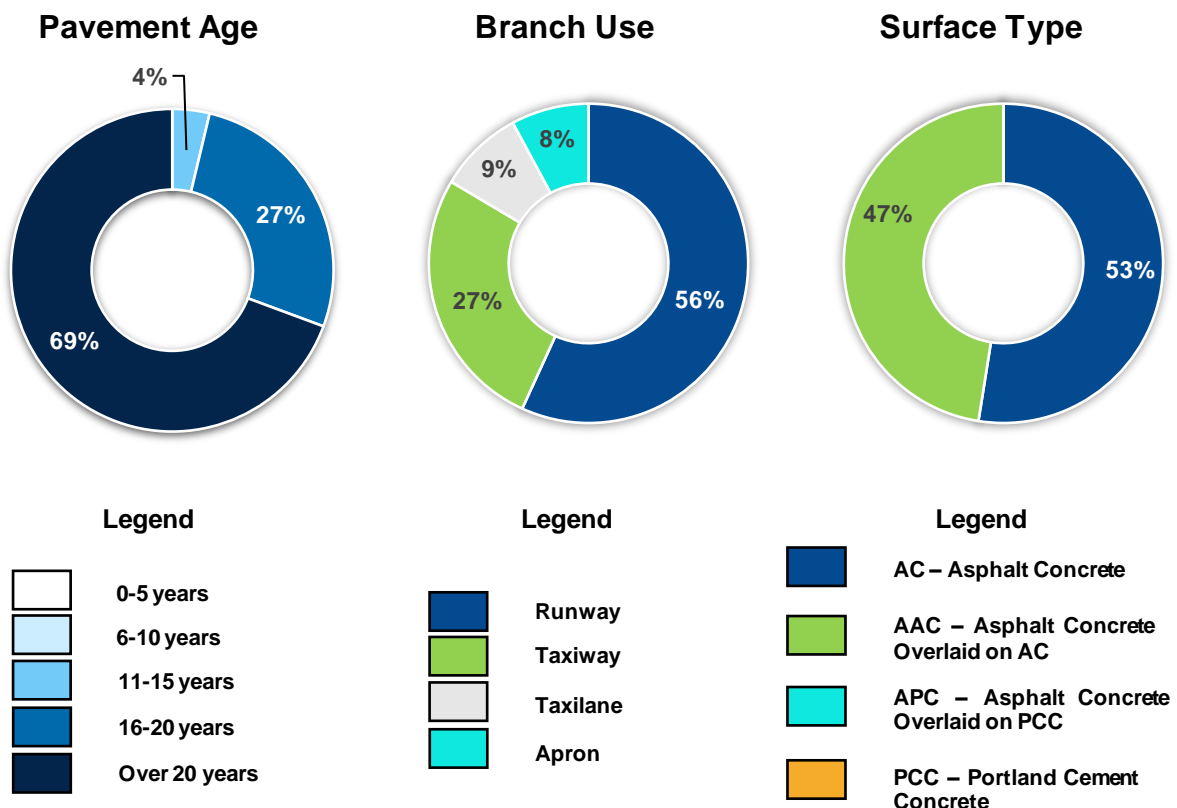
Each pavement update included a review of documentation of any maintenance and major rehabilitation related activities performed on the airfield pavements. The following table summarizes the projects that have occurred since the previous inspection.

Table 1 - Recent Airfield Pavement Construction

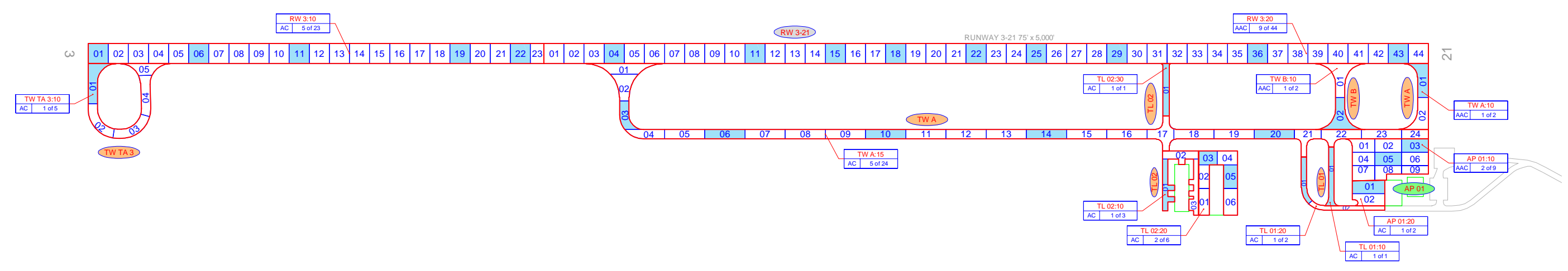
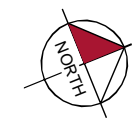
Construction Year	Location	Work Type / Pavement Section
2018	AP 01, RW 3, TL 02, TW A, TW B, TW TA 3, TL 01	Surface Seal - Rejuvenating
2018	RW 3	Crack Sealing - AC

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

Figure 2 – System Inventory Summary







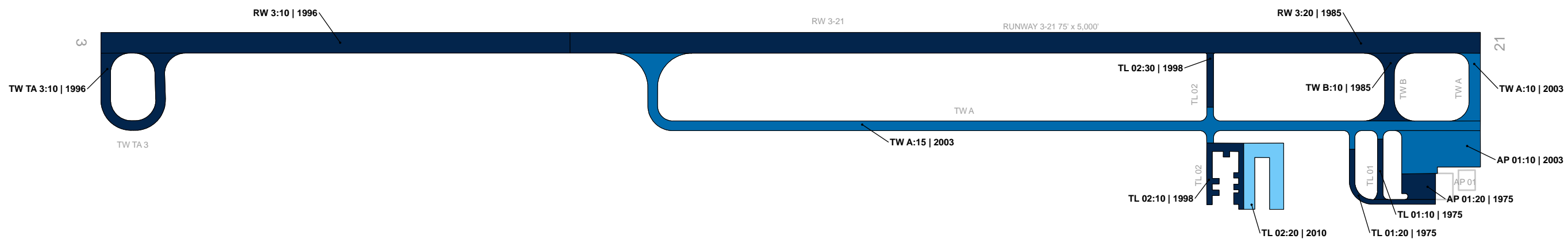
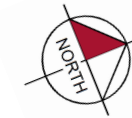
**LEGEND**

- 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
- AAC 5 of 15 NUMBER OF SAMPLE UNITS IN SECTION
- AC 1 of 1 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 0 of 5
- 100 INSPECTED SAMPLE UNITS.

**TOTAL SAMPLES INSPECTED = 31**  
**AC: 31 PCC: 0**

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





**Legend**

**Estimated Age at Inspection**

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

— BRANCH IDENTIFIER  
— SECTION IDENTIFIER  
**TWA:20 | 1985**  
— LAST MAJOR WORK DATE



# Functional Evaluation

## Pavement Condition Index

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

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

Figure 3 – Representation of Pavement Condition Index Values



### Poor/Failed Pavement

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



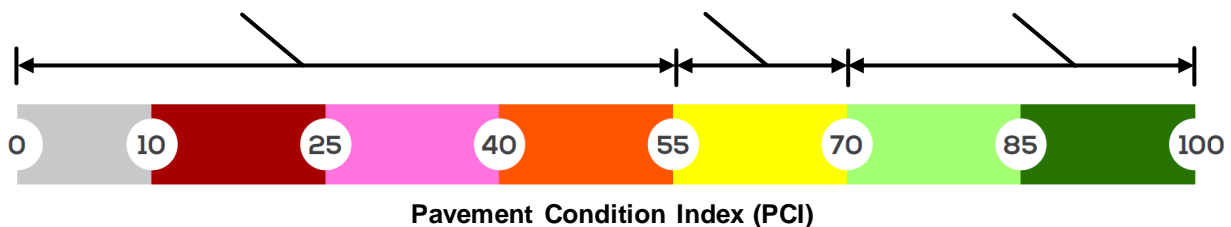
### Fair Pavement

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

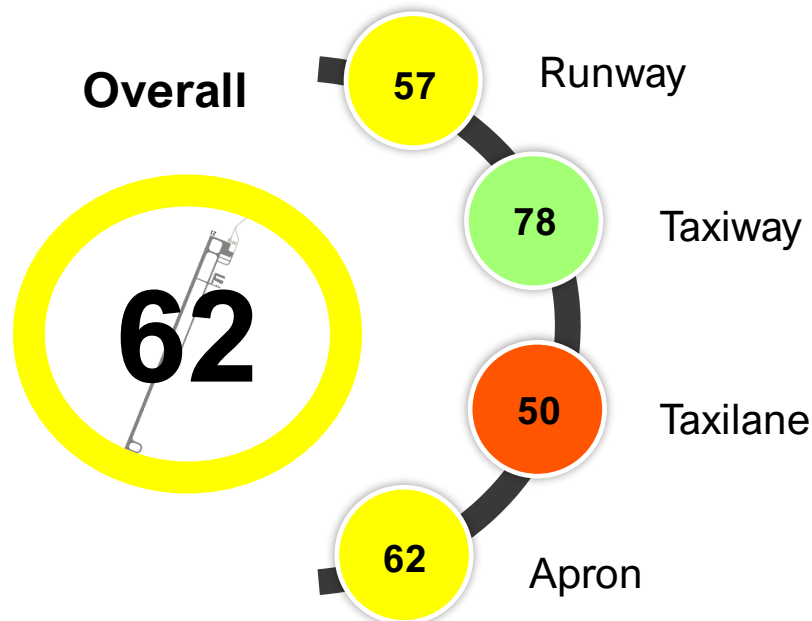
The PCI survey for Hartsville Regional Airport (HVS) was performed in January 2023. **The overall area-weighted average PCI value of the network was 62**, representing a condition rating of **Fair**. Approximately 27% of inspected pavements are in Good or Satisfactory condition, 29% of inspected pavements are in Fair condition, and the remaining 44% 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

## HVS - Hartsville 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
HVS	AP 01	Apron	10	40,850	AAC	68	Fair	100	0	0
HVS	AP 01	Apron	20	11,018	AC	39	Very Poor	100	0	0
HVS	RW 3	Runway	10	127,500	AC	61	Fair	98	0	2
HVS	RW 3	Runway	20	247,500	AAC	55	Poor	100	0	0
HVS	TL 01	Taxilane	10	4,594	AC	12	Serious	76	24	0
HVS	TL 01	Taxilane	20	8,299	AC	0	Failed	56	44	0
HVS	TL 02	Taxilane	10	14,584	AC	29	Very Poor	70	30	0
HVS	TL 02	Taxilane	20	24,648	AC	85	Satisfactory	100	0	0
HVS	TL 02	Taxilane	30	4,715	AC	52	Poor	80	20	0
HVS	TW A	Taxiway	10	11,674	AAC	75	Satisfactory	100	0	0
HVS	TW A	Taxiway	15	125,176	AC	81	Satisfactory	100	0	0
HVS	TW B	Taxiway	10	13,439	AAC	81	Satisfactory	100	0	0
HVS	TW TA3	Taxiway	10	26,027	AC	62	Fair	100	0	0

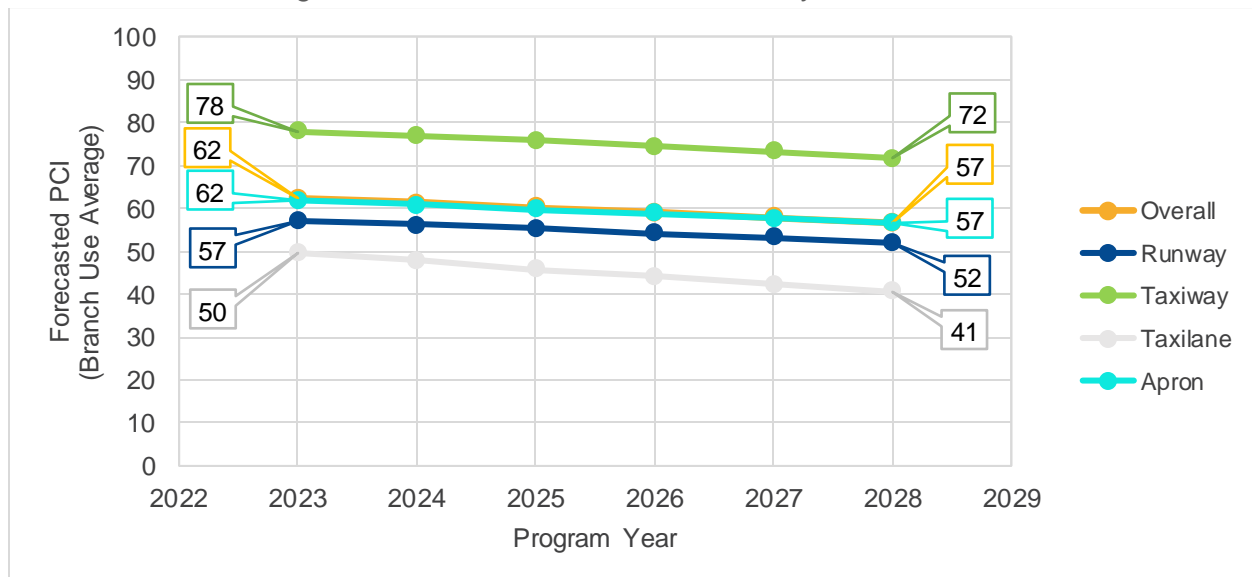
*\*For further PCI details and photos see Appendix D – Detailed PCI Results.*



### 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 **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 HVS.

Figure 6 – Forecasted 5-Year PCI by Branch Use



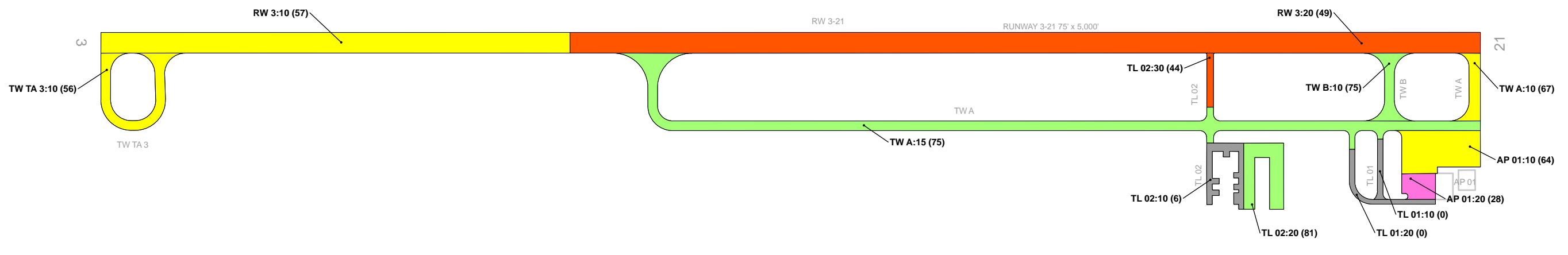
All condition forecasts are based on historical observations and analysis of South Carolina airfield pavements. The forecasts are not a guarantee of future PCI: - rather, they are a planning tool to aid in the timing of maintenance and rehabilitation activities.



## HVS - Hartsville Regional Airport

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
HVS	AP 01	10	68	67	66	66	65	64
HVS	AP 01	20	39	37	35	33	31	28
HVS	RW 3	10	61	60	60	59	58	57
HVS	RW 3	20	55	54	53	52	51	49
HVS	TL 01	10	12	7	3	0	0	0
HVS	TL 01	20	0	0	0	0	0	0
HVS	TL 02	10	29	25	21	16	11	6
HVS	TL 02	20	85	84	84	83	82	81
HVS	TL 02	30	52	51	50	48	46	44
HVS	TW A	10	75	74	72	70	69	67
HVS	TW A	15	81	80	79	78	76	75
HVS	TW B	10	81	80	79	78	76	75
HVS	TW TA 3	10	62	61	60	58	57	56



**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





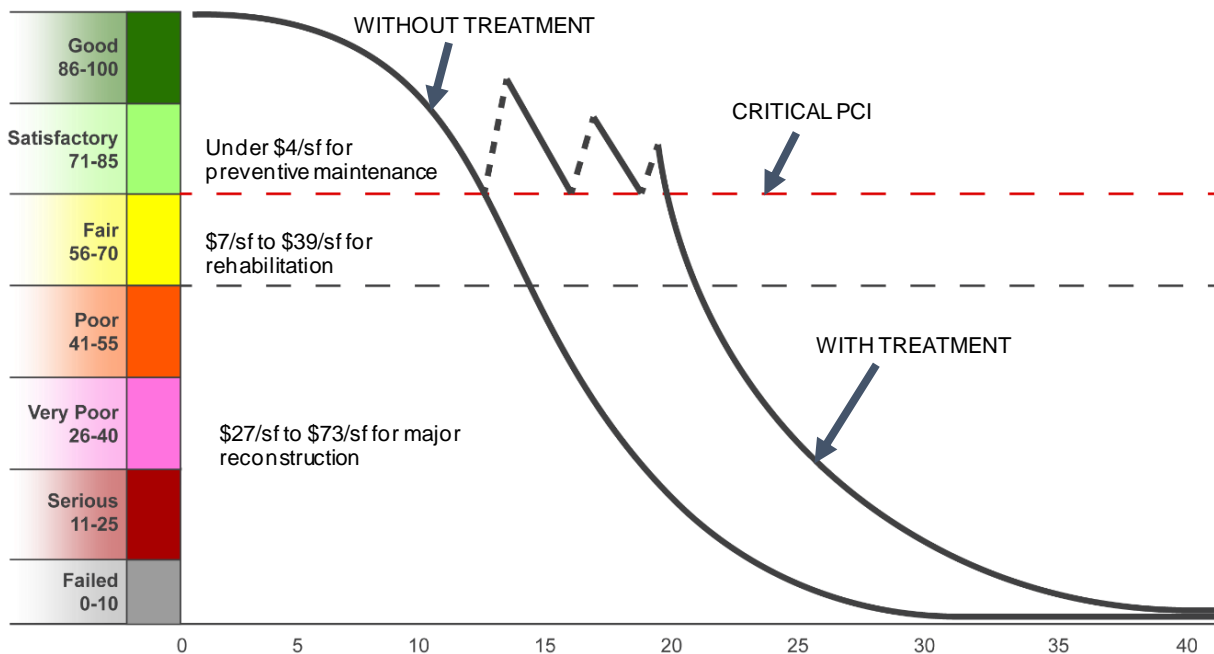
### M&R Overview

An analysis was performed to assess the pavement maintenance and rehabilitation (M&R) needs at HVS 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	2,849	LF	\$ 10,000
	Surface Seal	14,922	SF	\$ 24,630
<b>Localized Preventive Maintenance Total =</b>				<b>\$ 34,630</b>
Localized Stopgap Maintenance	AC Crack Sealing Narrow	10,038	LF	\$ 35,170
	AC Crack Sealing Wide	215	LF	\$ 1,200
	Surface Seal	91,251	SF	\$ 150,600
	AC Partial-Depth Patching	2,547	SF	\$ 15,290
	AC Full-Depth Patching	2,131	SF	\$ 37,850
<b>Localized Stopgap Maintenance Total =</b>				<b>\$ 240,110</b>
<b>Planning-Level Localized M&amp;R Needs =</b>				<b>\$ 274,740</b>

### 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

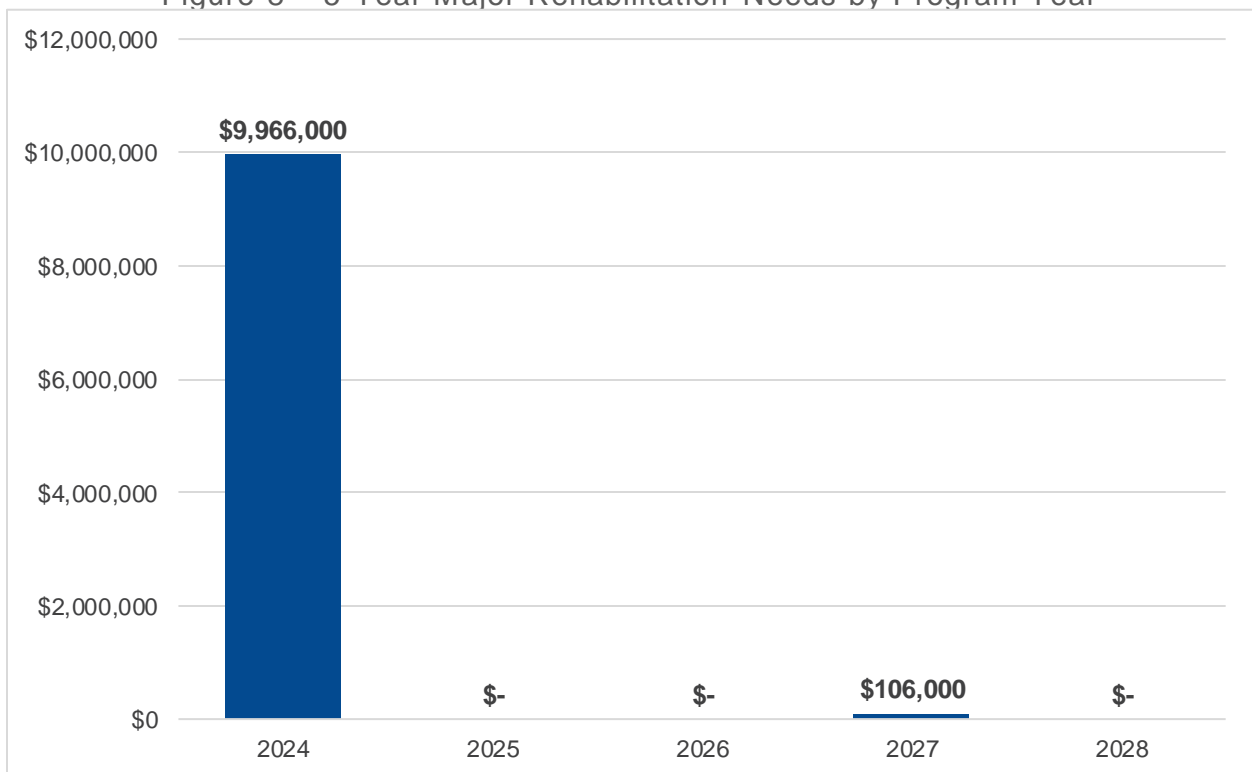
The 5-year major rehabilitation needs analysis at HVS results in a total 5-year cost of \$10.07M. The **5-Year Major Rehabilitation Needs Exhibit** graphically depicts the major rehabilitation needs at a section-level which are also summarized in **Table 5** with rounded costs. Annual needs are displayed graphically in **Figure 8**.

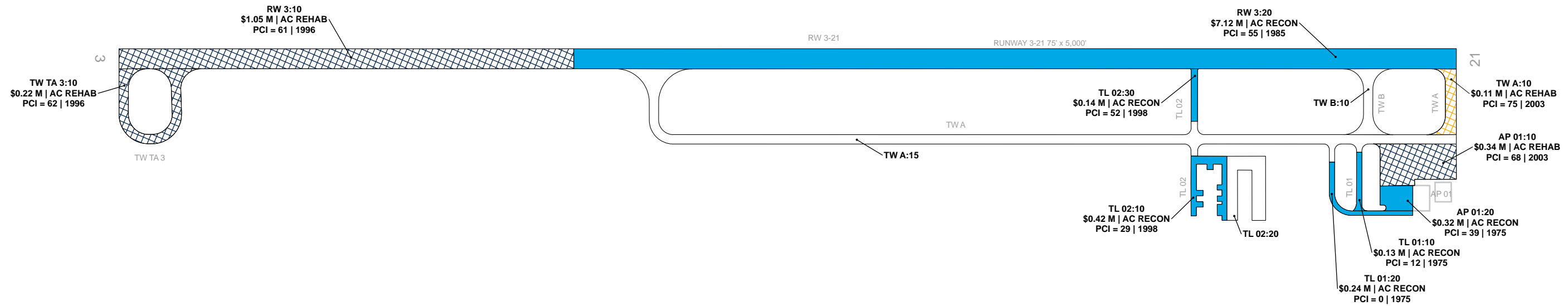
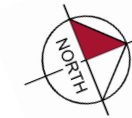


Table 5 – 5-Year Major Rehabilitation Needs

Program Year	Network ID	Branch ID	Section ID	Surface	Area (SF)	PCI Before	Rehabilitation Type	Planning Cost Estimate
2024	HVS	AP 01	10	AAC	40,850	67	AC Rehabilitation	\$ 338,000
2024	HVS	AP 01	20	AC	11,018	37	AC Reconstruction	\$ 317,000
2024	HVS	RW 3	10	AC	127,500	60	AC Rehabilitation	\$ 1,052,000
2024	HVS	RW 3	20	AAC	247,500	54	AC Reconstruction	\$ 7,116,000
2024	HVS	TL 01	10	AC	4,594	7	AC Reconstruction	\$ 133,000
2024	HVS	TL 01	20	AC	8,299	0	AC Reconstruction	\$ 239,000
2024	HVS	TL 02	10	AC	14,584	25	AC Reconstruction	\$ 420,000
2024	HVS	TL 02	30	AC	4,715	51	AC Reconstruction	\$ 136,000
2024	HVS	TW TA 3	10	AC	26,027	61	AC Rehabilitation	\$ 215,000
2027	HVS	TW A	10	AAC	11,674	69	AC Rehabilitation	\$ 106,000
<b>Total 5-Year Major Rehabilitation Needs =</b>								<b>\$ 10,072,000</b>

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





### Legend

#### 5-Year Major Rehabilitation Needs

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

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

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



## SECTION I

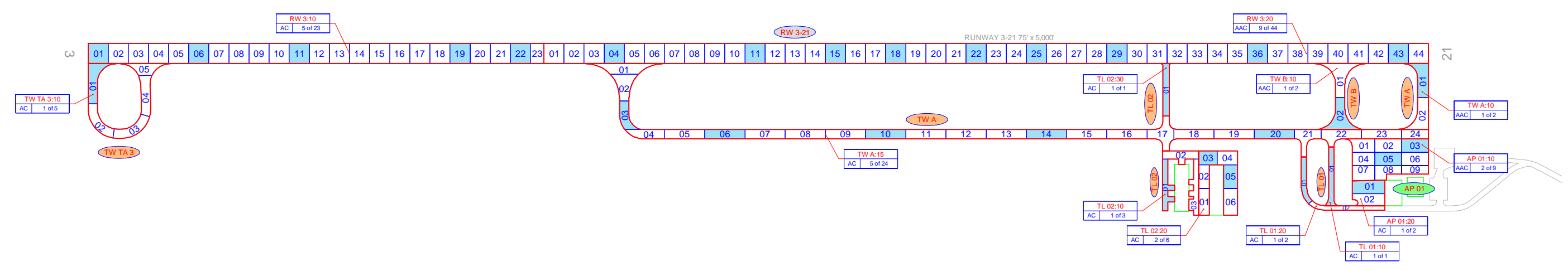
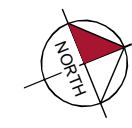
# Appendices







## Appendix A – Exhibits



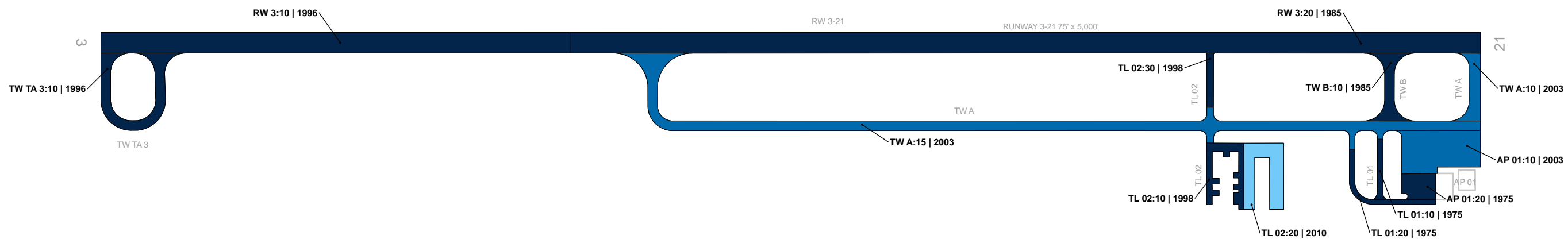
**LEGEND**

- RW 13-31 — TYPICAL RUNWAY BRANCH ID
- TW A — TYPICAL TAXIWAY BRANCH ID
- AP S — TYPICAL APRON BRANCH ID
- RW 13-10 — PAVEMENT BRANCH ID: SECTION ID
- AAC 5 of 15 — NUMBER OF SAMPLE UNITS IN SECTION
- AC 1 of 3 — NUMBER OF SAMPLE UNITS TO BE INSPECTED
- TL 02-10 — PAVEMENT SURFACE TYPE
- RW 13-20 — SECTION NOT INSPECTED DUE TO RECENT CONSTRUCTION. SEE ESTIMATED AGE EXHIBIT FOR CONSTRUCTION DATES.
- AAC 0 of 5 —
- 100 — INSPECTED SAMPLE UNITS.

**TOTAL SAMPLES INSPECTED = 31**  
**AC: 31 PCC: 0**

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





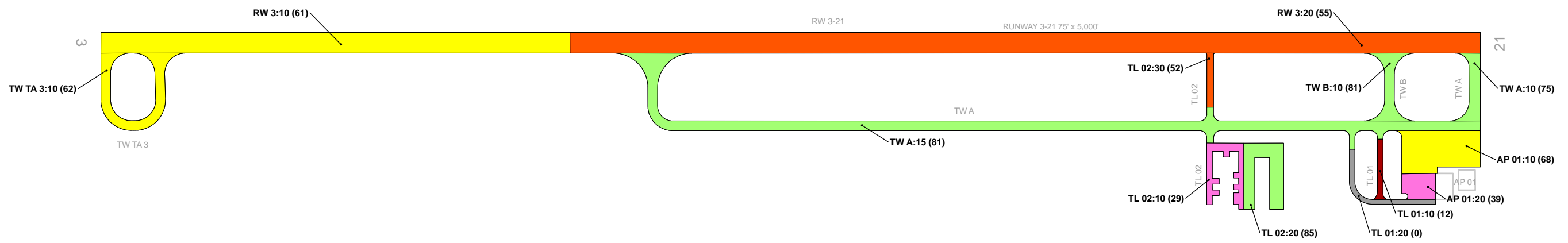
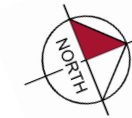
**Legend**

**Estimated Age at Inspection**

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

— BRANCH IDENTIFIER  
— SECTION IDENTIFIER  
**TWA:20 | 1985**  
— LAST MAJOR WORK DATE





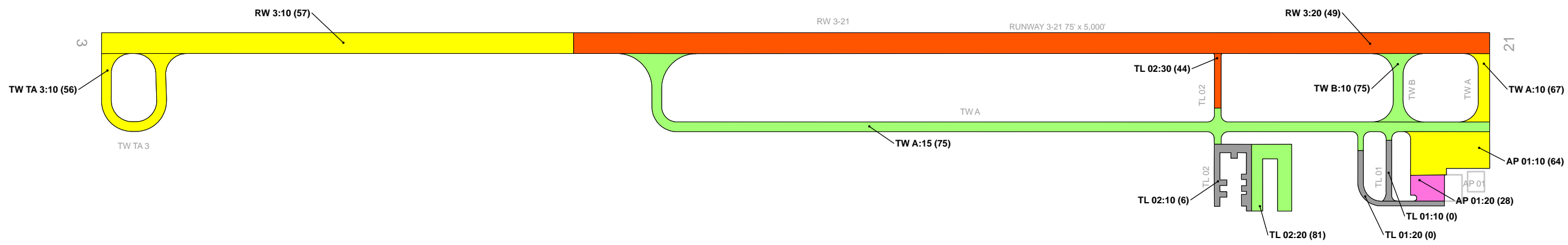
**Legend**

**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





**Legend**

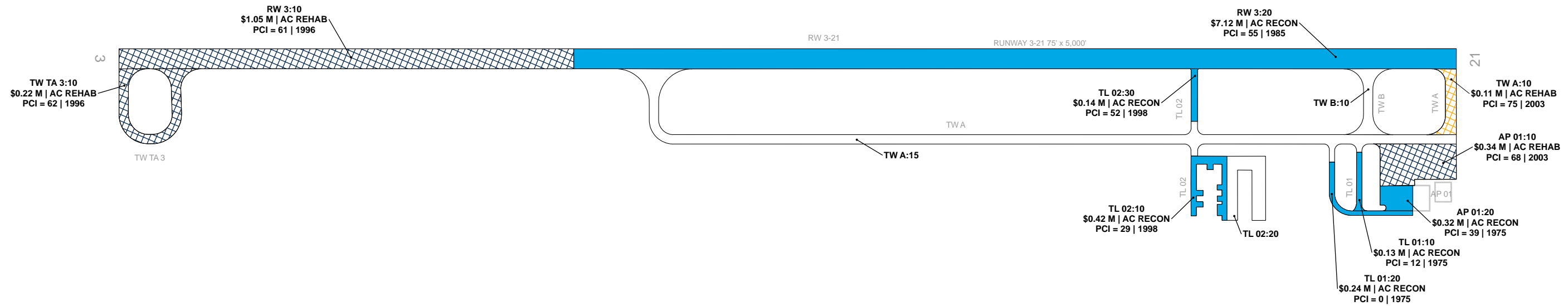
**2028 Forecasted Pavement Condition Index**

- 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



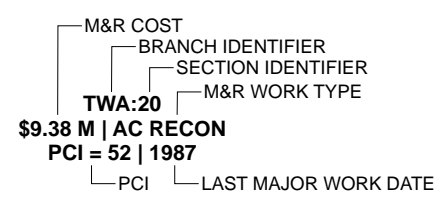




**Legend**

**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



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

## HVS - Hartsville Regional Airport

Table B1 – System Inventory Data - Section

Network ID	Branch ID	Branch Use	Section ID	Area (SF)	Surface Type	Estimate of Last Construction Date
HVS	AP 01	Apron	10	40,850	AAC	1/1/2003
HVS	AP 01	Apron	20	11,018	AC	6/1/1975
HVS	RW 3	Runway	10	127,500	AC	6/1/1996
HVS	RW 3	Runway	20	247,500	AAC	6/1/1985
HVS	TL 01	Taxilane	10	4,594	AC	6/1/1975
HVS	TL 01	Taxilane	20	8,299	AC	1/1/1975
HVS	TL 02	Taxilane	10	14,584	AC	6/1/1998
HVS	TL 02	Taxilane	20	24,648	AC	1/1/2010
HVS	TL 02	Taxilane	30	4,715	AC	6/1/1998
HVS	TW A	Taxiway	10	11,674	AAC	1/1/2003
HVS	TW A	Taxiway	15	125,176	AC	1/1/2003
HVS	TW B	Taxiway	10	13,439	AAC	6/1/1985
HVS	TW TA 3	Taxiway	10	26,027	AC	6/1/1996

Table B2 – Current Pavement Condition Index Summary - Branch

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Area-Weighted Avg PCI	Condition Rating
AP 01	Apron	2	51,868	62	Fair
RW 3	Runway	2	375,000	57	Fair
TL 01	Taxilane	2	12,893	4	Failed
TL 02	Taxilane	3	43,947	63	Fair
TW A	Taxiway	2	136,850	80	Satisfactory
TW B	Taxiway	1	13,439	81	Satisfactory
TW TA 3	Taxiway	1	26,027	62	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
HVS	AP 01	Apron	10	40,850	AAC	68	Fair	100	0	0	2	9
HVS	AP 01	Apron	20	11,018	AC	39	Very Poor	100	0	0	1	2
HVS	RW 3	Runway	10	127,500	AC	61	Fair	98	0	2	5	23
HVS	RW 3	Runway	20	247,500	AAC	55	Poor	100	0	0	9	44
HVS	TL01	Taxilane	10	4,594	AC	12	Serious	76	24	0	1	1
HVS	TL01	Taxilane	20	8,299	AC	0	Failed	56	44	0	1	2
HVS	TL02	Taxilane	10	14,584	AC	29	Very Poor	70	30	0	1	3
HVS	TL02	Taxilane	20	24,648	AC	85	Satisfactory	100	0	0	2	6
HVS	TL02	Taxilane	30	4,715	AC	52	Poor	80	20	0	1	1
HVS	TW A	Taxiway	10	11,674	AAC	75	Satisfactory	100	0	0	1	2
HVS	TW A	Taxiway	15	125,176	AC	81	Satisfactory	100	0	0	5	24
HVS	TW B	Taxiway	10	13,439	AAC	81	Satisfactory	100	0	0	1	2
HVS	TW TA3	Taxiway	10	26,027	AC	62	Fair	100	0	0	1	5



# STATEWIDE AIRFIELD PAVEMENT MANAGEMENT SYSTEM UPDATE

## HVS - Hartsville Regional Airport

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
HVS	AP 01	10	68	67	66	66	65	64
HVS	AP 01	20	39	37	35	33	31	28
HVS	RW 3	10	61	60	60	59	58	57
HVS	RW 3	20	55	54	53	52	51	49
HVS	TL 01	10	12	7	3	0	0	0
HVS	TL 01	20	0	0	0	0	0	0
HVS	TL 02	10	29	25	21	16	11	6
HVS	TL 02	20	85	84	84	83	82	81
HVS	TL 02	30	52	51	50	48	46	44
HVS	TW A	10	75	74	72	70	69	67
HVS	TW A	15	81	80	79	78	76	75
HVS	TW B	10	81	80	79	78	76	75
HVS	TW TA 3	10	62	61	60	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	2,849	LF	\$ 10,000
	Surface Seal	14,922	SF	\$ 24,630
<b>Localized Preventive Maintenance Total =</b>				<b>\$ 34,630</b>
Localized Stopgap Maintenance	AC Crack Sealing Narrow	10,038	LF	\$ 35,170
	AC Crack Sealing Wide	215	LF	\$ 1,200
	Surface Seal	91,251	SF	\$ 150,600
	AC Partial-Depth Patching	2,547	SF	\$ 15,290
	AC Full-Depth Patching	2,131	SF	\$ 37,850
<b>Localized Stopgap Maintenance Total =</b>				<b>\$ 240,110</b>
<b>Planning-Level Localized M&amp;R Needs =</b>				<b>\$ 274,740</b>

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

Network ID	Branch ID	Section ID	Area (SF)	Start PCI	End PCI	Cost
HVS	AP 01	10	40,850	68	68	\$ -
HVS	AP 01	20	11,018	39	56	\$ 6,360
HVS	RW 3	10	127,500	61	74	\$ 35,780
HVS	RW 3	20	247,500	55	61	\$ 77,860
HVS	TL 01	10	4,594	12	55	\$ 14,980
HVS	TL 01	20	8,299	0	58	\$ 58,080
HVS	TL 02	10	14,584	29	74	\$ 31,510
HVS	TL 02	20	24,648	85	89	\$ 1,080
HVS	TL 02	30	4,715	52	65	\$ 8,570
HVS	TW A	10	11,674	75	80	\$ 4,000
HVS	TW A	15	125,176	81	87	\$ 26,070
HVS	TW B	10	13,439	81	86	\$ 3,470
HVS	TW TA 3	10	26,027	62	78	\$ 6,890



# STATEWIDE AIRFIELD PAVEMENT MANAGEMENT SYSTEM UPDATE

## HVS - Hartsville 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
HVS	TL 02	20	L & T CR	Low	224	LF	0.9%	Preventive	AC Crack Sealing Narrow	224	LF	\$ 3.50	\$ 790
HVS	TL 02	20	L & T CR	Medium	82	LF	0.3%	Preventive	AC Crack Sealing Narrow	82	LF	\$ 3.50	\$ 290
HVS	TW A	10	L & T CR	Low	592	LF	5.1%	Preventive	AC Crack Sealing Narrow	592	LF	\$ 3.50	\$ 2,080
HVS	TW A	10	WEATHERING	Medium	1,167	SF	10.0%	Preventive	Surface Seal	1,167	SF	\$ 1.65	\$ 1,930
HVS	TW A	15	L & T CR	Low	1,565	LF	1.3%	Preventive	AC Crack Sealing Narrow	1,565	LF	\$ 3.50	\$ 5,480
HVS	TW A	15	L & T CR	Medium	30	LF	0.0%	Preventive	AC Crack Sealing Narrow	30	LF	\$ 3.50	\$ 110
HVS	TW A	15	WEATHERING	Medium	12,412	SF	9.9%	Preventive	Surface Seal	12,412	SF	\$ 1.65	\$ 20,480
HVS	TW B	10	L & T CR	Low	356	LF	2.7%	Preventive	AC Crack Sealing Narrow	356	LF	\$ 3.50	\$ 1,250
HVS	TW B	10	WEATHERING	Medium	1,343	SF	10.0%	Preventive	Surface Seal	1,343	SF	\$ 1.65	\$ 2,220
HVS	AP 01	20	BLOCKCR	Medium	1,417	SF	12.9%	Stopgap	AC Crack Sealing Narrow	432	LF	\$ 3.50	\$ 1,520
HVS	AP 01	20	L & T CR	Medium	1,314	LF	11.9%	Stopgap	AC Crack Sealing Narrow	1,314	LF	\$ 3.50	\$ 4,600
HVS	AP 01	20	L & T CR	High	44	LF	0.4%	Stopgap	AC Crack Sealing Wide	44	LF	\$ 5.50	\$ 250
HVS	RW 3	10	L & T CR	Medium	4,130	LF	3.2%	Stopgap	AC Crack Sealing Narrow	4,130	LF	\$ 3.50	\$ 14,460
HVS	RW 3	10	L & T CR	High	109	LF	0.1%	Stopgap	AC Crack Sealing Wide	109	LF	\$ 5.50	\$ 600
HVS	RW 3	10	WEATHERING	Medium	12,557	SF	9.9%	Stopgap	Surface Seal	12,557	SF	\$ 1.65	\$ 20,720
HVS	RW 3	20	L & T CR	Medium	196	LF	0.1%	Stopgap	AC Crack Sealing Narrow	196	LF	\$ 3.50	\$ 690
HVS	RW 3	20	WEATHERING	Medium	46,767	SF	18.9%	Stopgap	Surface Seal	46,767	SF	\$ 1.65	\$ 77,170
HVS	TL 01	10	ALLIGATOR CR	Medium	100	SF	2.2%	Stopgap	AC Full-Depth Patching	144	SF	\$ 17.75	\$ 2,570
HVS	TL 01	10	BLOCKCR	Medium	4,494	SF	97.8%	Stopgap	AC Crack Sealing Narrow	1,370	LF	\$ 3.50	\$ 4,800
HVS	TL 01	10	RAVELING	Medium	4,584	SF	99.8%	Stopgap	Surface Seal	4,584	SF	\$ 1.65	\$ 7,570
HVS	TL 01	10	RAVELING	High	10	SF	0.2%	Stopgap	AC Partial-Depth Patching	10	SF	\$ 6.00	\$ 60
HVS	TL 01	20	ALLIGATOR CR	Medium	864	SF	10.4%	Stopgap	AC Full-Depth Patching	987	SF	\$ 17.75	\$ 17,520
HVS	TL 01	20	ALLIGATOR CR	High	533	SF	6.4%	Stopgap	AC Full-Depth Patching	630	SF	\$ 17.75	\$ 11,180
HVS	TL 01	20	BLOCKCR	Medium	4,364	SF	52.6%	Stopgap	AC Crack Sealing Narrow	1,330	LF	\$ 3.50	\$ 4,660



# STATEWIDE AIRFIELD PAVEMENT MANAGEMENT SYSTEM UPDATE

## HVS - Hartsville Regional Airport

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
HVS	TL 01	20	RAVELING	Medium	5,761	SF	69.4%	Stopgap	Surface Seal	5,762	SF	\$ 1.65	\$ 9,510
HVS	TL 01	20	RAVELING	High	2,537	SF	30.6%	Stopgap	AC Partial-Depth Patching	2,537	SF	\$ 6.00	\$ 15,230
HVS	TL 02	10	ALLIGATOR CR	Medium	297	SF	2.0%	Stopgap	AC Full-Depth Patching	370	SF	\$ 17.75	\$ 6,580
HVS	TL 02	10	L & T CR	Medium	345	LF	2.4%	Stopgap	AC Crack Sealing Narrow	345	LF	\$ 3.50	\$ 1,210
HVS	TL 02	10	RAVELING	Medium	14,377	SF	98.6%	Stopgap	Surface Seal	14,377	SF	\$ 1.65	\$ 23,730
HVS	TL 02	30	L & T CR	Medium	277	LF	5.9%	Stopgap	AC Crack Sealing Narrow	277	LF	\$ 3.50	\$ 970
HVS	TL 02	30	WEATHERING	Medium	4,602	SF	97.6%	Stopgap	Surface Seal	4,602	SF	\$ 1.65	\$ 7,600
HVS	TW TA 3	10	L & T CR	Medium	644	LF	2.5%	Stopgap	AC Crack Sealing Narrow	644	LF	\$ 3.50	\$ 2,260
HVS	TW TA 3	10	L & T CR	High	62	LF	0.2%	Stopgap	AC Crack Sealing Wide	62	LF	\$ 5.50	\$ 350
HVS	TL 01	20	ALLIGATOR CR	High	533	SF	6.4%	Stopgap	AC Full-Depth Patching	630	SF	\$ 17.75	\$ 11,180



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	HVS	AP 01	10	AAC	40,850	67	AC Rehabilitation	\$ 338,000
2024	HVS	AP 01	20	AC	11,018	37	AC Reconstruction	\$ 317,000
2024	HVS	RW 3	10	AC	127,500	60	AC Rehabilitation	\$ 1,052,000
2024	HVS	RW 3	20	AAC	247,500	54	AC Reconstruction	\$ 7,116,000
2024	HVS	TL 01	10	AC	4,594	7	AC Reconstruction	\$ 133,000
2024	HVS	TL 01	20	AC	8,299	0	AC Reconstruction	\$ 239,000
2024	HVS	TL 02	10	AC	14,584	25	AC Reconstruction	\$ 420,000
2024	HVS	TL 02	30	AC	4,715	51	AC Reconstruction	\$ 136,000
2024	HVS	TW TA 3	10	AC	26,027	61	AC Rehabilitation	\$ 215,000
2027	HVS	TW A	10	AAC	11,674	69	AC Rehabilitation	\$ 106,000
<b>Total 5-Year Major Rehabilitation Needs =</b>								<b>\$ 10,072,000</b>



## Appendix D – PCI Results Summary

### RW 3

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
RW 3	RUNWAY	2	375,000	57	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	127,500	AC	1996	2018	61	Fair	98	0	2
20	247,500	AAC	1985	2018	55	Poor	100	0	0



RW 3-10



RW 3-20

### TWA

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TWA	TAXIWAY	2	136,850	80	Satisfactory

Section ID	Area (SF)	Surface	Est. Last Major Work Year	Est. Last Global Treatment Year	PCI	Condition Rating	PCI % Climate	PCI % Load	PCI % Other
10	11,674	AAC	2003	2018	75	Satisfactory	100	0	0
15	125,176	AC	2003	2018	81	Satisfactory	100	0	0



TWA A-10



TWA A-15



### TW B

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TW B	TAXIWAY	1	13,439	81	Satisfactory

Section ID	Area (SF)	Surface	Est. Last Major Work Year	Est. Last Global Treatment Year	PCI	Condition Rating	PCI % Climate	PCI % Load	PCI % Other
10	13,439	AAC	1985	2018	81	Satisfactory	100	0	0



TW B-10

### TW TA 3

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TW TA 3	TAXIWAY	1	26,027	62	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	26,027	AC	1996	2018	62	Fair	100	0	0



TW TA-3

### TL 01

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TL 01	TAXILANE	2	12,893	4	Failed

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	4,594	AC	1975	2020	12	Serious	76	24	0
20	8,299	AC	1975	-	0	Failed	56	44	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	3	43,947	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	14,584	AC	1998	-	29	Very Poor	70	30	0
20	24,648	AC	2010	-	85	Satisfactory	100	0	0
30	4,715	AC	1998	2018	52	Poor	80	20	0



TL 02-10



TL 02-20



TL 02-30



### AP 01

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
AP 01	APRON	2	51,868	62	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	40,850	AAC	2003	2018	68	Fair	100	0	0
20	11,018	AC	1975	-	39	Very Poor	100	0	0



AP 01-10



AP 01-20



## Appendix E – Re-Inspection Report

# Re-Inspection Report

SCAC\_2023

Generated Date

5/31/2023

Page 1 of 14

**Network:** HVS **Name:** Hartsville Regional Airport

**Branch:** AP 01 **Name:** APRON 01 **Use:** APRON **Area:** 51,868 SqFt

**Section:** 10 of 2 **From:** - **To:** - **Last Const.:** 1/1/2003

**Surface:** AAC **Family:** SC34\_AP\_AC **Zone:** **Category:** G **Rank:** S

**Area:** 40,850 SqFt **Length:** 285 Ft **Width:** 155 Ft

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

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

**Section Comments:**

**Work Date:** 6/1/1975 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

**Work Date:** 6/1/1985 **Work Type:** Overlay - AC Structural **Code:** OL-AS **Is Major M&R:** True

**Work Date:** 1/1/1994 **Work Type:** Surface Seal - Rejuvenating **Code:** SS-RE **Is Major M&R:** False

**Work Date:** 1/1/2003 **Work Type:** Overlay - AC Structural **Code:** OL-AS **Is Major M&R:** True

**Work Date:** 1/1/2018 **Work Type:** Surface Seal - Rejuvenating **Code:** SS-RE **Is Major M&R:** False

**Last Insp. Date:** 1/31/2023 **Total Samples:** 9 **Surveyed:** 2

**Conditions:** PCI: 68

**Inspection Comments:**

**Sample Number:** 03 **Type:** R **Area:** 5000.00 SqFt **PCI:** 67

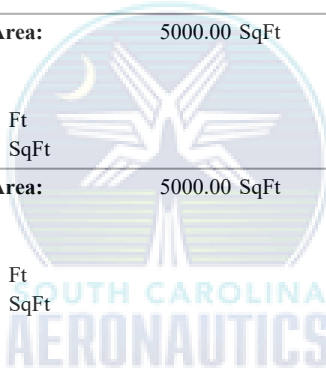
**Sample Comments:**

48 L & T CR L 691.00 Ft  
57 WEATHERING L 5000.00 SqFt

**Sample Number:** 05 **Type:** R **Area:** 5000.00 SqFt **PCI:** 68

**Sample Comments:**

48 L & T CR L 657.00 Ft  
57 WEATHERING L 5000.00 SqFt





**Network:** HVS **Name:** Hartsville Regional Airport

**Branch:** AP 01 **Name:** APRON 01 **Use:** APRON **Area:** 51,868 SqFt

**Section:** 20 of 2 **From:** - **To:** - **Last Const.:** 6/1/1975

**Surface:** AC **Family:** SC34\_AP\_AC **Zone:** **Category:** G **Rank:** S

**Area:** 11,018 SqFt **Length:** 122 Ft **Width:** 95 Ft

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

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

**Section Comments:**

**Work Date:** 6/1/1975 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

**Work Date:** 6/1/1975 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

**Last Insp. Date:** 1/31/2023 **Total Samples:** 2 **Surveyed:** 1

**Conditions:** PCI: 39

**Inspection Comments:**

**Sample Number:** 01 **Type:** R **Area:** 5971.00 SqFt **PCI:** 39

**Sample Comments:**

43	BLOCK CR	M	768.00	SqFt
48	L & T CR	M	712.00	Ft
48	L & T CR	H	24.00	Ft
52	RAVELING	L	5971.00	SqFt



**Network:** HVS **Name:** Hartsville Regional Airport

**Branch:** RW 3 **Name:** RUNWAY 3-21 **Use:** RUNWAY **Area:** 375,000 SqFt

**Section:** 10 of 2 **From:** - **To:** - **Last Const.:** 6/1/1996

**Surface:** AC **Family:** SC34\_RW\_AC **Zone:** **Category:** G **Rank:** P

**Area:** 127,500 SqFt **Length:** 1,700 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:** 6/1/1996 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

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

**Work Date:** 6/1/1996 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

**Work Date:** 1/1/2014 **Work Type:** Patching - AC **Code:** PA-AC **Is Major M&R:** False

**Work Date:** 1/1/2018 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

**Work Date:** 1/1/2018 **Work Type:** Surface Seal - Rejuvenating **Code:** SS-RE **Is Major M&R:** False

**Last Insp. Date:** 1/31/2023 **Total Samples:** 23 **Surveyed:** 5

**Conditions:** PCI: 61

**Inspection Comments:**

**Sample Number:** 01 **Type:** R **Area:** 5625.00 SqFt **PCI:** 62

**Sample Comments:**

48 L & T CR L 218.00 Ft  
48 L & T CR M 146.00 Ft  
52 RAVELING L 450.00 SqFt  
57 WEATHERING L 4657.00 SqFt  
57 WEATHERING M 518.00 SqFt

**Sample Number:** 06 **Type:** R **Area:** 5625.00 SqFt **PCI:** 64

**Sample Comments:**

48 L & T CR L 254.00 Ft  
48 L & T CR M 188.00 Ft  
57 WEATHERING L 5062.00 SqFt  
57 WEATHERING M 563.00 SqFt

**Sample Number:** 11 **Type:** R **Area:** 5625.00 SqFt **PCI:** 59

**Sample Comments:**

48 L & T CR L 258.00 Ft  
48 L & T CR M 165.00 Ft  
48 L & T CR H 24.00 Ft  
56 SWELLING L 9.00 SqFt  
57 WEATHERING L 5062.00 SqFt  
57 WEATHERING M 563.00 SqFt

**Sample Number:** 19 **Type:** R **Area:** 5625.00 SqFt **PCI:** 62

**Sample Comments:**

48 L & T CR L 170.00 Ft  
48 L & T CR M 236.00 Ft  
57 WEATHERING L 5062.00 SqFt  
57 WEATHERING M 563.00 SqFt

**Sample Number:** 22 **Type:** R **Area:** 5625.00 SqFt **PCI:** 60

**Sample Comments:**

48 L & T CR L 127.00 Ft  
48 L & T CR M 176.00 Ft  
50 PATCHING M 2.00 SqFt  
57 WEATHERING L 5060.00 SqFt  
57 WEATHERING M 563.00 SqFt

<b>Network:</b>	HVS		<b>Name:</b>	Hartsville Regional Airport			
<b>Branch:</b>	RW 3	<b>Name:</b>	RUNWAY 3-21	<b>Use:</b>	RUNWAY	<b>Area:</b>	375,000 SqFt
<b>Section:</b>	20	of 2	<b>From:</b>	-	<b>To:</b>	-	<b>Last Const.:</b> 6/1/1985
<b>Surface:</b>	AAC	<b>Family:</b>	SC34_RW_AC	<b>Zone:</b>		<b>Category:</b>	G
<b>Area:</b>	247,500 SqFt	<b>Length:</b>	3,300 Ft	<b>Width:</b>	75 Ft	<b>Rank:</b>	P
<b>Slabs:</b>		<b>Slab Length:</b>	Ft	<b>Slab Width:</b>	Ft	<b>Joint Length:</b>	Ft
<b>Shoulder:</b>		<b>Street Type:</b>		<b>Grade:</b>	0	<b>Lanes:</b>	0
<b>Section Comments:</b>							
<b>Work Date:</b>	6/1/1975	<b>Work Type:</b>	New Construction - AC	<b>Code:</b>	NC-AC	<b>Is Major M&amp;R:</b>	True
<b>Work Date:</b>	6/1/1985	<b>Work Type:</b>	Overlay - AC Structural	<b>Code:</b>	OL-AS	<b>Is Major M&amp;R:</b>	True
<b>Work Date:</b>	1/1/2018	<b>Work Type:</b>	Crack Sealing - AC	<b>Code:</b>	CS-AC	<b>Is Major M&amp;R:</b>	False
<b>Work Date:</b>	1/1/2018	<b>Work Type:</b>	Surface Seal - Rejuvenating	<b>Code:</b>	SS-RE	<b>Is Major M&amp;R:</b>	False
<b>Last Insp. Date:</b>	1/31/2023	<b>TotalSamples:</b>	44	<b>Surveyed:</b>	9		
<b>Conditions:</b>	PCI: 55						
<b>Inspection Comments:</b>							
<b>Sample Number:</b>	04	<b>Type:</b>	R	<b>Area:</b>	5625.00 SqFt	<b>PCI:</b>	49
<b>Sample Comments:</b>							
43	BLOCK CR	L	3750.00	SqFt			
48	L & T CR	L	288.00	Ft			
50	PATCHING	M	2.00	SqFt			
57	WEATHERING	L	5060.00	SqFt			
57	WEATHERING	M	563.00	SqFt			
<b>Sample Number:</b>	11	<b>Type:</b>	R	<b>Area:</b>	5625.00 SqFt	<b>PCI:</b>	51
<b>Sample Comments:</b>							
48	L & T CR	L	1188.00	Ft			
48	L & T CR	M	40.00	Ft			
57	WEATHERING	L	5062.00	SqFt			
57	WEATHERING	M	563.00	SqFt			
<b>Sample Number:</b>	15	<b>Type:</b>	R	<b>Area:</b>	5625.00 SqFt	<b>PCI:</b>	52
<b>Sample Comments:</b>							
48	L & T CR	L	1621.00	Ft			
57	WEATHERING	L	5062.00	SqFt			
57	WEATHERING	M	563.00	SqFt			
<b>Sample Number:</b>	18	<b>Type:</b>	R	<b>Area:</b>	5625.00 SqFt	<b>PCI:</b>	56
<b>Sample Comments:</b>							
43	BLOCK CR	L	1391.00	SqFt			
48	L & T CR	L	843.00	Ft			
57	WEATHERING	L	5062.00	SqFt			
57	WEATHERING	M	563.00	SqFt			
<b>Sample Number:</b>	22	<b>Type:</b>	R	<b>Area:</b>	5625.00 SqFt	<b>PCI:</b>	55
<b>Sample Comments:</b>							
43	BLOCK CR	L	1875.00	SqFt			
48	L & T CR	L	901.00	Ft			
57	WEATHERING	L	5062.00	SqFt			
57	WEATHERING	M	563.00	SqFt			
<b>Sample Number:</b>	25	<b>Type:</b>	R	<b>Area:</b>	5625.00 SqFt	<b>PCI:</b>	57
<b>Sample Comments:</b>							
48	L & T CR	L	1162.00	Ft			
57	WEATHERING	L	5062.00	SqFt			
57	WEATHERING	M	563.00	SqFt			
<b>Sample Number:</b>	29	<b>Type:</b>	R	<b>Area:</b>	5625.00 SqFt	<b>PCI:</b>	67
<b>Sample Comments:</b>							

48	L & T CR	L	791.00	Ft
57	WEATHERING	L	563.00	SqFt
57	WEATHERING	M	5062.00	SqFt

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**Sample Number:** 36      **Type:** R      **Area:** 5625.00 SqFt      **PCI:** 55

**Sample Comments:**

48	L & T CR	L	1328.00	Ft
57	WEATHERING	L	5062.00	SqFt
57	WEATHERING	M	563.00	SqFt

---

**Sample Number:** 43      **Type:** R      **Area:** 5625.00 SqFt      **PCI:** 55

**Sample Comments:**

48	L & T CR	L	1284.00	Ft
57	WEATHERING	L	5062.00	SqFt
57	WEATHERING	M	563.00	SqFt



**Network:** HVS **Name:** Hartsville Regional Airport

**Branch:** TL 01 **Name:** TAXILANE 01 **Use:** TAXILANE **Area:** 12,893 SqFt

**Section:** 10 of 2 **From:** - **To:** - **Last Const.:** 6/1/1975

**Surface:** AC **Family:** SC34\_TWTL\_AC **Zone:** **Category:** G **Rank:** T

**Area:** 4,594 SqFt **Length:** 219 Ft **Width:** 20 Ft

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

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

**Section Comments:**

**Work Date:** 6/1/1975 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

**Work Date:** 6/1/1975 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

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

**Last Insp. Date:** 1/31/2023 **TotalSamples:** 1 **Surveyed:** 1

**Conditions:** PCI: 12

**Inspection Comments:**

**Sample Number:** 01 **Type:** R **Area:** 4594.00 SqFt **PCI:** 12

**Sample Comments:**

41 ALLIGATOR CR M 100.00 SqFt  
43 BLOCK CR M 4494.00 SqFt  
52 RAVELING M 4584.00 SqFt  
52 RAVELING H 10.00 SqFt



**Network:** HVS **Name:** Hartsville Regional Airport

**Branch:** TL 01 **Name:** TAXILANE 01 **Use:** TAXILANE **Area:** 12,893 SqFt

**Section:** 20 of 2 **From:** - **To:** - **Last Const.:** 1/1/1975

**Surface:** AC **Family:** SC34\_TWTL\_AC **Zone:** **Category:** **Rank:** T

**Area:** 8,299 SqFt **Length:** 475 Ft **Width:** 20 Ft

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

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

**Section Comments:**

**Work Date:** 1/1/1975 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

**Last Insp. Date:** 1/31/2023 **TotalSamples:** 2 **Surveyed:** 1

**Conditions:** PCI: 0

**Inspection Comments:**

**Sample Number:** 01 **Type:** R **Area:** 3457.00 SqFt **PCI:** 0

**Sample Comments:**

41	ALLIGATOR CR	M	360.00	SqFt
41	ALLIGATOR CR	H	222.00	SqFt
43	BLOCK CR	M	1818.00	SqFt
52	RAVELING	M	2400.00	SqFt
52	RAVELING	H	1057.00	SqFt



**Network:** HVS **Name:** Hartsville Regional Airport

**Branch:** TL 02 **Name:** TAXILANE 02 **Use:** TAXILANE **Area:** 43,947 SqFt

**Section:** 10 of 3 **From:** - **To:** - **Last Const.:** 6/1/1998

**Surface:** AC **Family:** SC34\_TWTL\_AC **Zone:** **Category:** G **Rank:** T

**Area:** 14,584 SqFt **Length:** 240 Ft **Width:** 134 Ft

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

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

**Section Comments:**

**Work Date:** 6/1/1998 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

**Work Date:** 6/1/1998 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

**Last Insp. Date:** 1/31/2023 **TotalSamples:** 3 **Surveyed:** 1

**Conditions:** PCI: 29

**Inspection Comments:**

**Sample Number:** 01 **Type:** R **Area:** 4860.00 SqFt **PCI:** 29

**Sample Comments:**

41 ALLIGATOR CR M 99.00 SqFt  
48 L & T CR M 115.00 Ft  
50 PATCHING M 69.00 SqFt  
52 RAVELING M 4791.00 SqFt





**Network:** HVS **Name:** Hartsville Regional Airport

**Branch:** TL 02 **Name:** TAXILANE 02 **Use:** TAXILANE **Area:** 43,947 SqFt

**Section:** 20 of 3 **From:** - **To:** - **Last Const.:** 1/1/2010

**Surface:** AC **Family:** SC34\_TWTL\_AC **Zone:** **Category:** **Rank:** S

**Area:** 24,648 SqFt **Length:** 240 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:** 1/1/2010 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

**Last Insp. Date:** 1/31/2023 **TotalSamples:** 6 **Surveyed:** 2

**Conditions:** PCI: 85

**Inspection Comments:**

**Sample Number:** 03 **Type:** R **Area:** 3640.00 SqFt **PCI:** 91

**Sample Comments:**

48 L & T CR L 10.00 Ft

57 WEATHERING L 3640.00 SqFt

**Sample Number:** 05 **Type:** R **Area:** 4488.00 SqFt **PCI:** 81

**Sample Comments:**

48 L & T CR L 64.00 Ft

48 L & T CR M 27.00 Ft

57 WEATHERING L 4488.00 SqFt



**Network:** HVS **Name:** Hartsville Regional Airport

**Branch:** TL 02 **Name:** TAXILANE 02 **Use:** TAXILANE **Area:** 43,947 SqFt

**Section:** 30 of 3 **From:** - **To:** - **Last Const.:** 6/1/1998

**Surface:** AC **Family:** SC34\_TWTL\_AC **Zone:** **Category:** G **Rank:** S

**Area:** 4,715 SqFt **Length:** 196 Ft **Width:** 24 Ft

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

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

**Section Comments:**

**Work Date:** 6/1/1998 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

**Work Date:** 6/1/1998 **Work Type:** Surface Course - AC (Layer Construct) **Code:** SU-AC **Is Major M&R:** False

**Work Date:** 1/1/2018 **Work Type:** Surface Seal - Rejuvenating **Code:** SS-RE **Is Major M&R:** False

**Last Insp. Date:** 1/31/2023 **TotalSamples:** 1 **Surveyed:** 1

**Conditions:** PCI: 52

**Inspection Comments:**

**Sample Number:** 01 **Type:** R **Area:** 4715.00 SqFt **PCI:** 52

**Sample Comments:**

48 L & T CR L 247.00 Ft  
48 L & T CR M 277.00 Ft  
50 PATCHING L 113.00 SqFt  
53 RUTTING L 81.00 SqFt  
57 WEATHERING M 4602.00 SqFt



**Network:** HVS **Name:** Hartsville Regional Airport

**Branch:** TW A **Name:** TAXIWAY A **Use:** TAXIWAY **Area:** 136,850 SqFt

**Section:** 10 of 2 **From:** - **To:** - **Last Const.:** 1/1/2003

**Surface:** AAC **Family:** SC34\_TWTL\_AC **Zone:** **Category:** G **Rank:** P

**Area:** 11,674 SqFt **Length:** 246 Ft **Width:** 41 Ft

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

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

**Section Comments:**

**Work Date:** 6/1/1975 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

**Work Date:** 6/1/1985 **Work Type:** Overlay - AC Structural **Code:** OL-AS **Is Major M&R:** True

**Work Date:** 1/1/2003 **Work Type:** Overlay - AC Structural **Code:** OL-AS **Is Major M&R:** True

**Work Date:** 1/1/2018 **Work Type:** Surface Seal - Rejuvenating **Code:** SS-RE **Is Major M&R:** False

**Last Insp. Date:** 1/31/2023 **TotalSamples:** 2 **Surveyed:** 1

**Conditions:** PCI: 75

**Inspection Comments:**

**Sample Number:** 01 **Type:** R **Area:** 5703.00 SqFt **PCI:** 75

**Sample Comments:**

48 L & T CR L 289.00 Ft  
57 WEATHERING L 5133.00 SqFt  
57 WEATHERING M 570.00 SqFt



**Network:** HVS **Name:** Hartsville Regional Airport

**Branch:** TW A **Name:** TAXIWAY A **Use:** TAXIWAY **Area:** 136,850 SqFt

**Section:** 15 of 2 **From:** - **To:** - **Last Const.:** 1/1/2003

**Surface:** AC **Family:** SC34\_TWTL\_AC **Zone:** **Category:** **Rank:** P

**Area:** 125,176 SqFt **Length:** 3,250 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:** 1/1/2003 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

**Work Date:** 1/1/2018 **Work Type:** Surface Seal - Rejuvenating **Code:** SS-RE **Is Major M&R:** False

**Last Insp. Date:** 1/31/2023 **TotalSamples:** 24 **Surveyed:** 5

**Conditions:** PCI: 81

**Inspection Comments:**

**Sample Number:** 03 **Type:** R **Area:** 4031.00 SqFt **PCI:** 75

**Sample Comments:**

48 L & T CR L 35.00 Ft  
50 PATCHING L 210.00 SqFt  
57 WEATHERING L 3439.00 SqFt  
57 WEATHERING M 382.00 SqFt

**Sample Number:** 06 **Type:** R **Area:** 5250.00 SqFt **PCI:** 84

**Sample Comments:**

48 L & T CR L 65.00 Ft  
57 WEATHERING L 4725.00 SqFt  
57 WEATHERING M 525.00 SqFt

**Sample Number:** 10 **Type:** R **Area:** 5250.00 SqFt **PCI:** 77

**Sample Comments:**

48 L & T CR L 139.00 Ft  
48 L & T CR M 6.00 Ft  
57 WEATHERING L 4725.00 SqFt  
57 WEATHERING M 525.00 SqFt

**Sample Number:** 14 **Type:** R **Area:** 5250.00 SqFt **PCI:** 85

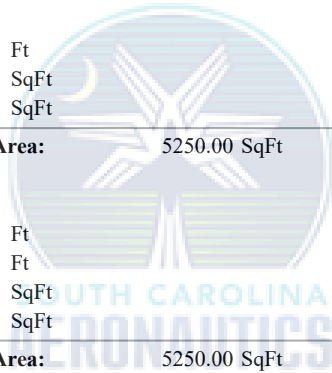
**Sample Comments:**

48 L & T CR L 42.00 Ft  
57 WEATHERING L 4725.00 SqFt  
57 WEATHERING M 525.00 SqFt

**Sample Number:** 20 **Type:** R **Area:** 5250.00 SqFt **PCI:** 85

**Sample Comments:**

48 L & T CR L 32.00 Ft  
57 WEATHERING L 4725.00 SqFt  
57 WEATHERING M 525.00 SqFt



**Network:** HVS **Name:** Hartsville Regional Airport

**Branch:** TW B **Name:** TAXIWAY B **Use:** TAXIWAY **Area:** 13,439 SqFt

**Section:** 10 of 1 **From:** - **To:** - **Last Const.:** 6/1/1985

**Surface:** AAC **Family:** SC34\_TWTL\_AC **Zone:** **Category:** G **Rank:** P

**Area:** 13,439 SqFt **Length:** 246 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:** 6/1/1975 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

**Work Date:** 6/1/1985 **Work Type:** Overlay - AC Structural **Code:** OL-AS **Is Major M&R:** True

**Work Date:** 1/1/2018 **Work Type:** Surface Seal - Rejuvenating **Code:** SS-RE **Is Major M&R:** False

**Last Insp. Date:** 1/31/2023 **TotalSamples:** 2 **Surveyed:** 1

**Conditions:** PCI: 81

**Inspection Comments:**

**Sample Number:** 02 **Type:** R **Area:** 6614.00 SqFt **PCI:** 81

**Sample Comments:**

48 L & T CR L 175.00 Ft  
57 WEATHERING L 5953.00 SqFt  
57 WEATHERING M 661.00 SqFt



**Network:** HVS **Name:** Hartsville Regional Airport

**Branch:** TW TA 3 **Name:** TAXIWAY TURNAROUND 3 **Use:** TAXIWAY **Area:** 26,027 SqFt

**Section:** 10 of 1 **From:** - **To:** - **Last Const.:** 6/1/1996

**Surface:** AC **Family:** SC34\_TWTL\_AC **Zone:** **Category:** G **Rank:** S

**Area:** 26,027 SqFt **Length:** 280 Ft **Width:** 250 Ft

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

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

**Section Comments:**

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

**Work Date:** 6/1/1996 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

**Work Date:** 6/1/1996 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

**Work Date:** 1/1/2018 **Work Type:** Surface Seal - Rejuvenating **Code:** SS-RE **Is Major M&R:** False

**Last Insp. Date:** 1/31/2023 **TotalSamples:** 5 **Surveyed:** 1

**Conditions:** PCI: 62

**Inspection Comments:**

**Sample Number:** 01 **Type:** R **Area:** 6302.00 SqFt **PCI:** 62

**Sample Comments:**

48 L & T CR L 221.00 Ft  
48 L & T CR M 156.00 Ft  
48 L & T CR H 15.00 Ft  
57 WEATHERING L 5672.00 SqFt  
57 WEATHERING M 630.00 SqFt





Kimley»»Horn