SOUTH CAROLINA AERONAUTICS COMMISSION

STATEWIDE AIRFIELD PAVEMENT MANAGEMENT SYSTEM UPDATE

HYW - Conway-Horry County Airport

2023

Kimley»Horn

Contents

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 preformed 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 Conway-Horry County Airport (HYW).

Figure 1 – Airport Layout

System Inventory

The pavements at Conway-Horry County Airport (HYW) include approximately 0.4 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.

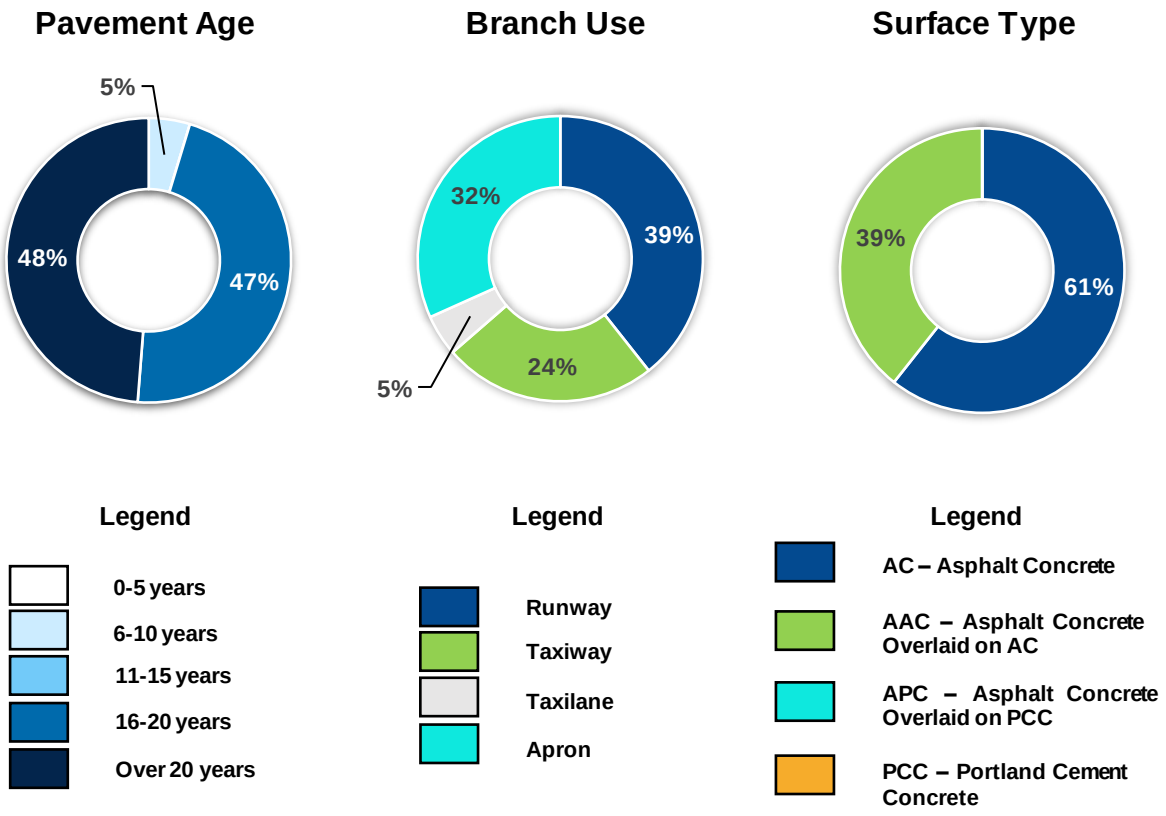
Each pavement update included a review of documentation of any maintenance and major rehabilitation related activities performed on the airfield pavements. The following table summarizes the projects that have occurred since the previous inspection.

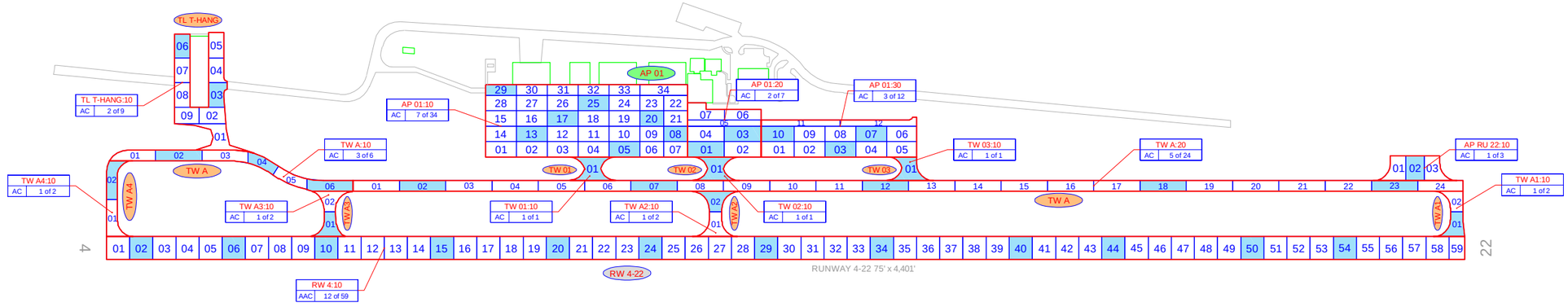
Table 1 - Recent Airfield Pavement Construction

Construction Year	Location	Work Type / Pavement Section
2020	AP 01, AP RU 22, RW 4, TW 01, TW 02, TW 03, TL T-HANG, TW A, TW A1, TW A2, TW A3, TW A4	Surface Treatment - Seal Coat Crack Sealing - AC

The following figure summarizes the inventory items at Conway-Horry County Airport (HYW). 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 / AAC 5 of 15 — PAVEMENT BRANCH ID: SECTION ID; NUMBER OF SAMPLE UNITS IN SECTION; NUMBER OF SAMPLE UNITS TO BE INSPECTED; PAVEMENT SURFACE TYPE
- RW 13:20 / AAC 0 of 5 — SECTION NOT INSPECTED DUE TO RECENT CONSTRUCTION. SEE ESTIMATED AGE EXHIBIT FOR CONSTRUCTION DATES.
- 100 — INSPECTED SAMPLE UNITS.

TOTAL SAMPLES INSPECTED = 42
AC: 42 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.

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STATEWIDE AIRFIELD PAVEMENT MANAGEMENT SYSTEM UPDATE

CONWAY-HORRY COUNTY AIRPORT (HYW)

AIRFIELD PAVEMENT NETWORK DEFINITION EXHIBIT

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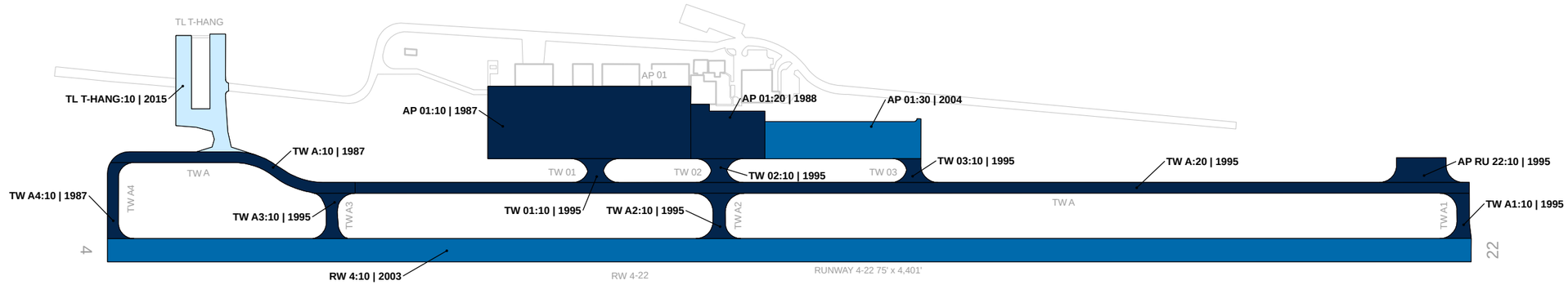

Legend

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

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STATEWIDE AIRFIELD PAVEMENT MANAGEMENT SYSTEM UPDATE

CONWAY-HORRY COUNTY AIRPORT (HYW)

AIRFIELD PAVEMENT ESTIMATED AGE EXHIBIT

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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

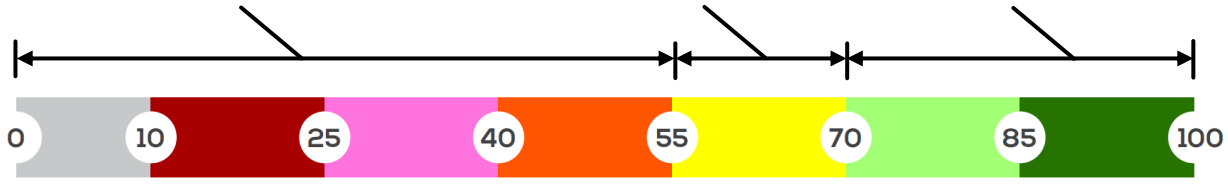
Pavements that are Poor to Failed require significant and costly interventions such as reconstruction to restore the pavement to operational service.

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. .



Pavement Condition Index (PCI)

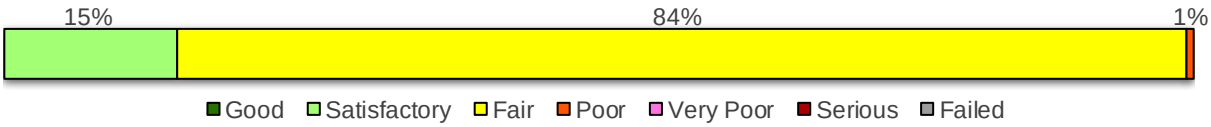
Critical PCI

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

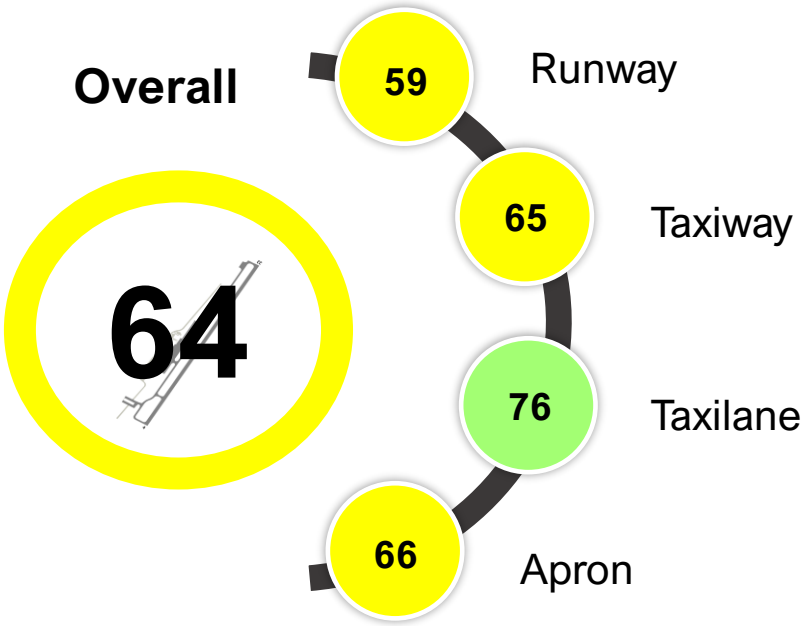
The PCI survey for Conway-Horry County Airport (HYW) was performed in January 2023. **The overall area-weighted average PCI value of the network was 64**, representing a condition rating of **Fair**. Approximately 15% of inspected pavements are in Good or Satisfactory condition, 84% of inspected pavements are in Fair condition, and the remaining 1% 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

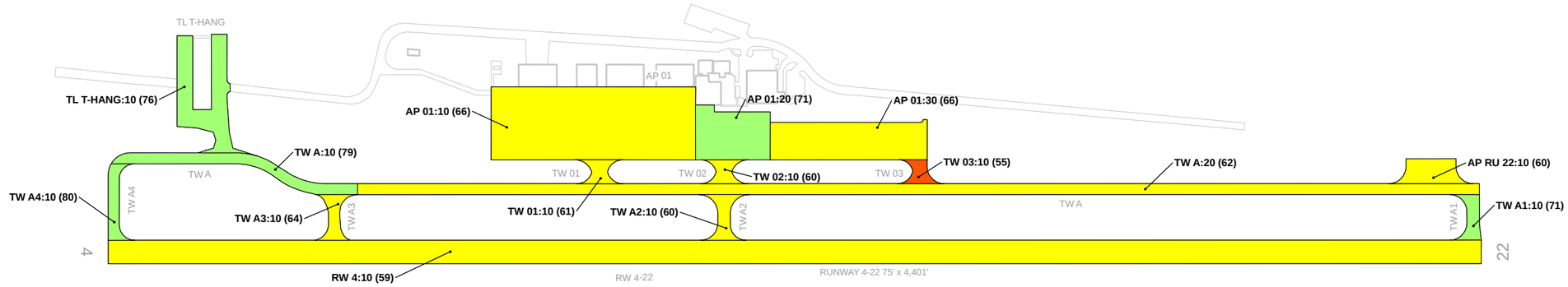


HYW - Conway-Horry County Airport

Table 2 – Current Pavement Condition Index Summary - Section

Network ID	Branch ID	Branch Use	Section ID	Area (SF)	Surface	PCI	Condition Rating	PCI % Climate	PCI % Load	PCI % Other
HYW	AP 01	Apron	10	153,270	AC	66	Fair	100	0	0
HYW	AP 01	Apron	20	38,126	AC	71	Satisfactory	90	0	10
HYW	AP 01	Apron	30	60,489	AC	66	Fair	97	0	3
HYW	AP RU 22	Apron	10	14,098	AC	60	Fair	100	0	0
HYW	RW 4	Runway	10	330,075	AAC	59	Fair	94	0	6
HYW	TL T-HANG	Taxilane	10	39,235	AC	76	Satisfactory	100	0	0
HYW	TW 01	Taxiway	10	5,825	AC	61	Fair	95	0	5
HYW	TW 02	Taxiway	10	5,851	AC	60	Fair	100	0	0
HYW	TW 03	Taxiway	10	5,057	AC	55	Poor	90	0	10
HYW	TW A	Taxiway	10	27,697	AC	79	Satisfactory	94	0	6
HYW	TW A	Taxiway	20	125,860	AC	62	Fair	97	0	3
HYW	TW A1	Taxiway	10	7,308	AC	71	Satisfactory	94	0	6
HYW	TW A2	Taxiway	10	8,591	AC	60	Fair	100	0	0
HYW	TW A3	Taxiway	10	7,704	AC	64	Fair	93	0	7
HYW	TW A4	Taxiway	10	9,534	AC	80	Satisfactory	89	0	11

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



Legend

2023 Pavement Condition Index

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

BRANCH IDENTIFIER
SECTION IDENTIFIER
TWA:20 (84)
PCI

STATEWIDE AIRFIELD PAVEMENT MANAGEMENT SYSTEM UPDATE

CONWAY-HORRY COUNTY AIRPORT (HYW)

2023 PAVEMENT CONDITION INDEX (PCI) EXHIBIT

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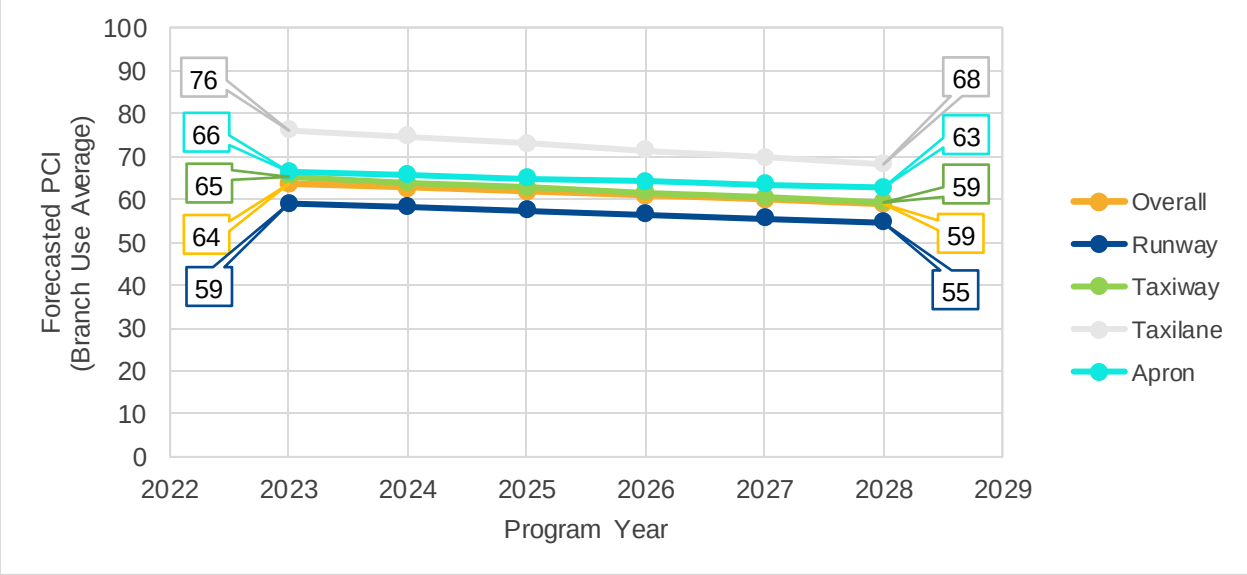
Pavement Condition Forecast

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 HYW.

Figure 6 – Forecasted 5-Year PCI by Branch Use

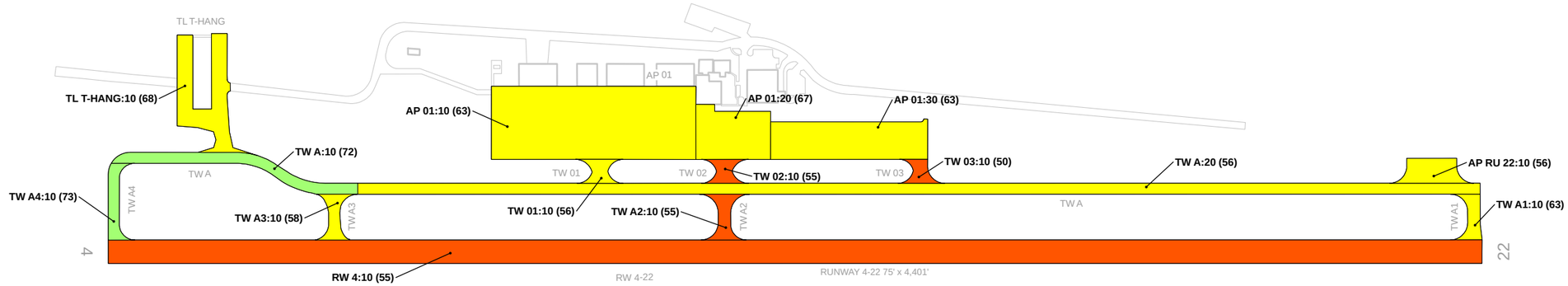


All condition forecasts are based on historical observations and analysis of South Carolina airfield pavements. The forecasts are not a guarantee of future PCI: - rather, they are a planning tool to aid in the timing of maintenance and rehabilitation activities.

HYW - Conway-Horry County 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
HYW	AP 01	10	66	65	65	64	63	63
HYW	AP 01	20	71	70	69	68	67	67
HYW	AP 01	30	66	65	65	64	63	63
HYW	AP RU 22	10	60	59	59	58	57	56
HYW	RW 4	10	59	58	57	56	56	55
HYW	TL T-HANG	10	76	75	73	71	70	68
HYW	TW 01	10	61	60	59	58	57	56
HYW	TW 02	10	60	59	58	57	56	55
HYW	TW 03	10	55	54	53	52	51	50
HYW	TW A	10	79	78	77	75	73	72
HYW	TW A	20	62	61	60	58	57	56
HYW	TW A1	10	71	69	68	66	65	63
HYW	TW A2	10	60	59	58	57	56	55
HYW	TW A3	10	64	63	61	60	59	58
HYW	TW A4	10	80	79	78	76	75	73



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

STATEWIDE AIRFIELD PAVEMENT MANAGEMENT SYSTEM UPDATE

CONWAY-HORRY COUNTY AIRPORT (HYW)

2028 FORECASTED PAVEMENT CONDITION INDEX (PCI) EXHIBIT

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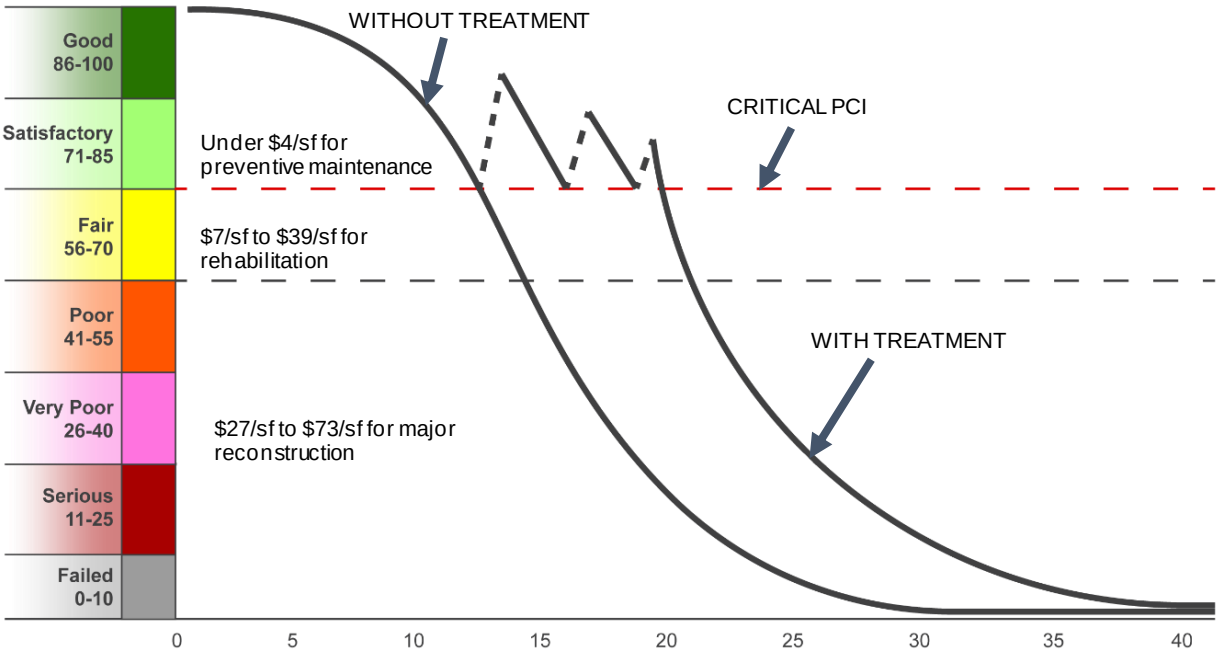
M&R Overview

An analysis was performed to assess the pavement maintenance and rehabilitation (M&R) needs at HYW 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	6,544	LF	$ 22,950
	Surface Seal	1,314	SF	$ 2,180
			Localized Preventive Maintenance Total =	$ 25,130
Localized Stopgap Maintenance	AC Crack Sealing Narrow	4,922	LF	$ 17,250
	Surface Seal	155	SF	$ 260
			Localized Stopgap Maintenance Total =	$ 17,510
			Planning-Level Localized M&R Needs =	**$ 42,640**

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:

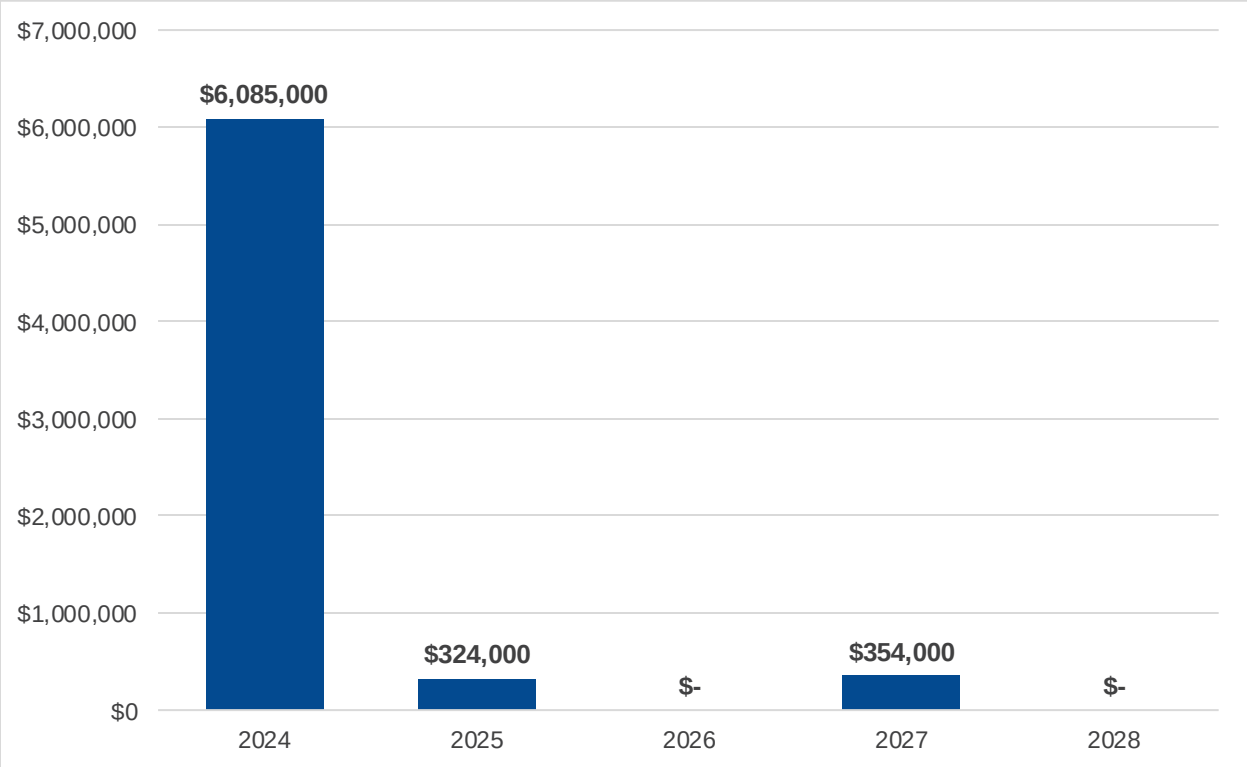
- ***Intermediate Major Rehabilitation (PCI 56 to 70)*** –
  - **AC:** Milling of the upper surface course and replacing with new AC with isolated areas of full-depth reconstruction
  - **PCC:** Combination of crack sealing, joint seal replacement, limited patching, and slab replacement
- ***Full-Depth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

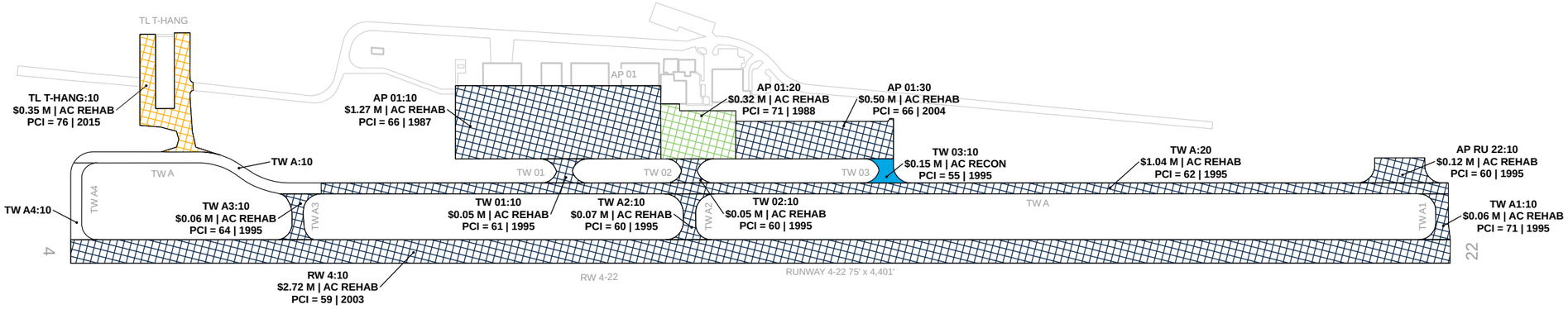
The 5-year major rehabilitation needs analysis at HYW results in a total 5-year cost of $6.76M. The **5-Year Major Rehabilitation Needs Exhibit** graphically depicts the major rehabilitation needs at a section-level which are also summarized in **Table 5** with rounded costs. Annual needs are displayed 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	**HYW**	AP 01	10	AC	153,270	65	AC Rehabilitation	$ 1,265,000
2024	**HYW**	AP 01	30	AC	60,489	65	AC Rehabilitation	$ 500,000
2024	**HYW**	AP RU 22	10	AC	14,098	59	AC Rehabilitation	$ 117,000
2024	**HYW**	RW 4	10	AAC	330,075	58	AC Rehabilitation	$ 2,724,000
2024	**HYW**	TW 01	10	AC	5,825	60	AC Rehabilitation	$ 49,000
2024	**HYW**	TW 02	10	AC	5,851	59	AC Rehabilitation	$ 49,000
2024	**HYW**	TW 03	10	AC	5,057	54	AC Reconstruction	$ 146,000
2024	**HYW**	TW A	20	AC	125,860	61	AC Rehabilitation	$ 1,039,000
2024	**HYW**	TW A1	10	AC	7,308	69	AC Rehabilitation	$ 61,000
2024	**HYW**	TW A2	10	AC	8,591	59	AC Rehabilitation	$ 71,000
2024	**HYW**	TW A3	10	AC	7,704	63	AC Rehabilitation	$ 64,000
2025	**HYW**	AP 01	20	AC	38,126	69	AC Rehabilitation	$ 324,000
2027	**HYW**	TL T-HANG	10	AC	39,235	70	AC Rehabilitation	$ 354,000
							Total 5-Year Major Rehabilitation Needs =	**$ 6,763,000**

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

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

- M&R COST
- BRANCH IDENTIFIER
- SECTION IDENTIFIER
- M&R WORK TYPE
- PCI
- LAST MAJOR WORK DATE

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

STATEWIDE AIRFIELD PAVEMENT MANAGEMENT SYSTEM UPDATE

CONWAY-HORRY COUNTY AIRPORT (HYW)

5-YEAR MAJOR REHABILITATION EXHIBIT

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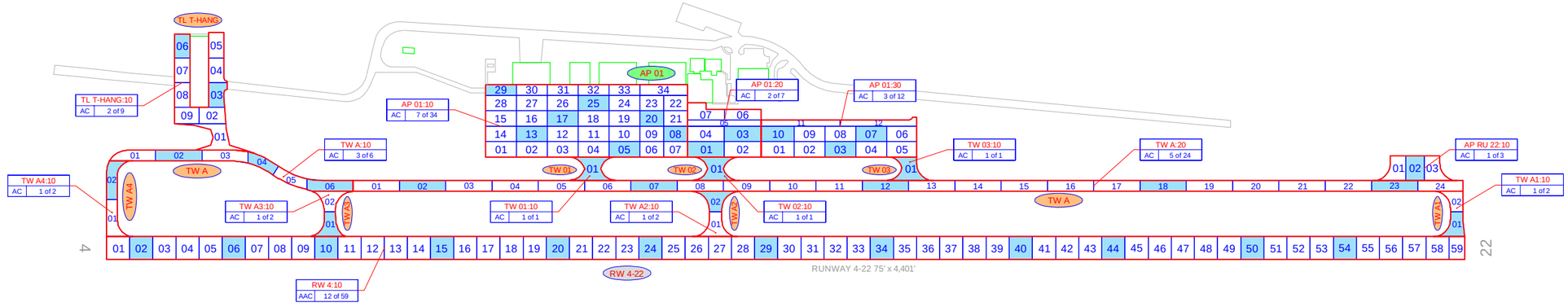
SECTION I

Appendices

Appendix A – Exhibits



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CONWAY-HORRY COUNTY AIRPORT (HYW)

AIRFIELD PAVEMENT NETWORK DEFINITION EXHIBIT

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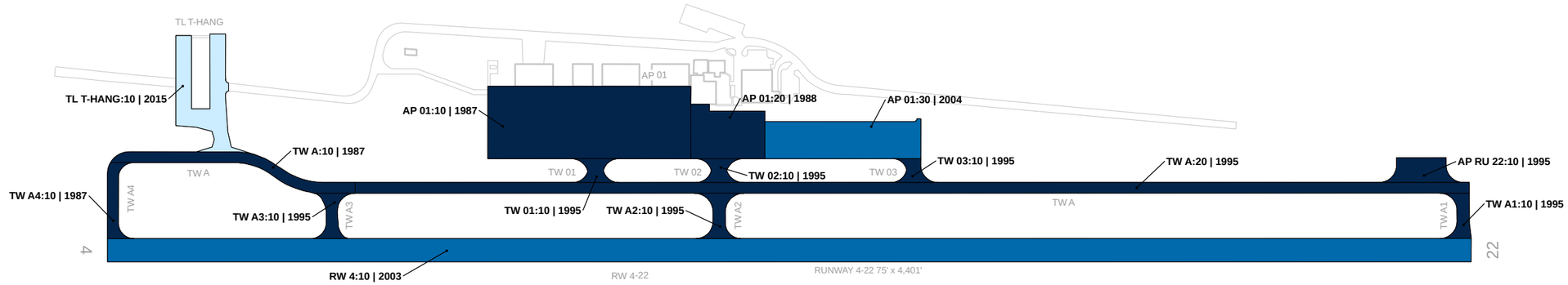

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SECTION IDENTIFIER
TWA:20 | 1985
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AIRFIELD PAVEMENT ESTIMATED AGE EXHIBIT

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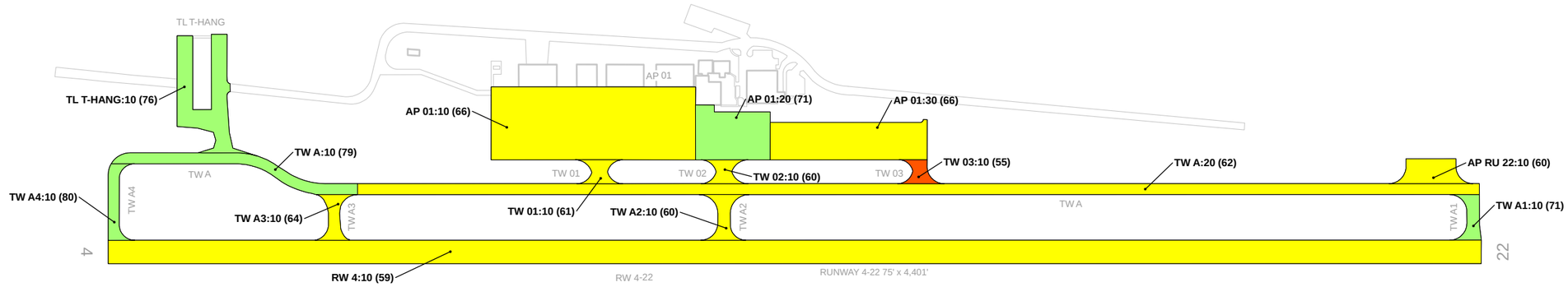

Legend

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BRANCH IDENTIFIER
SECTION IDENTIFIER
TWA:20 (84)
PCI

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2023 PAVEMENT CONDITION INDEX (PCI) EXHIBIT

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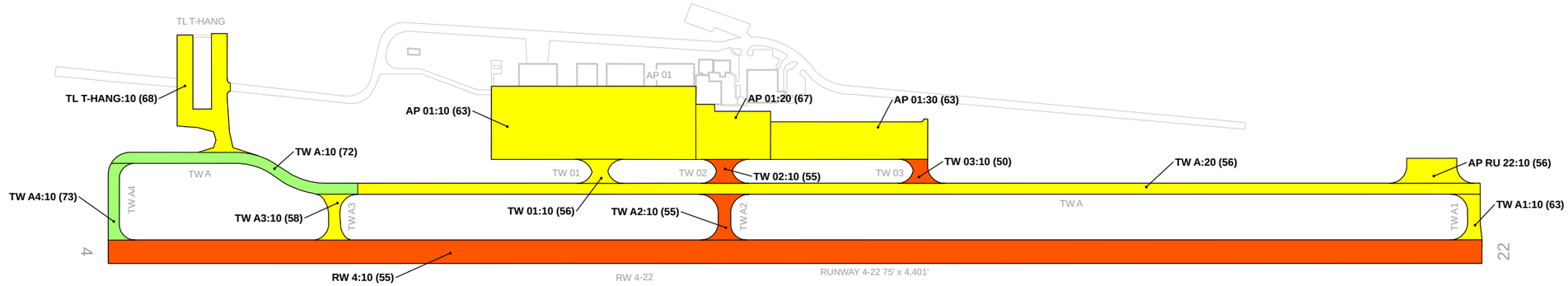

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2028 Forecasted Pavement Condition Index

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SECTION IDENTIFIER
TWA:20 (84)
FORECASTED PCI

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2028 FORECASTED PAVEMENT CONDITION INDEX (PCI) EXHIBIT

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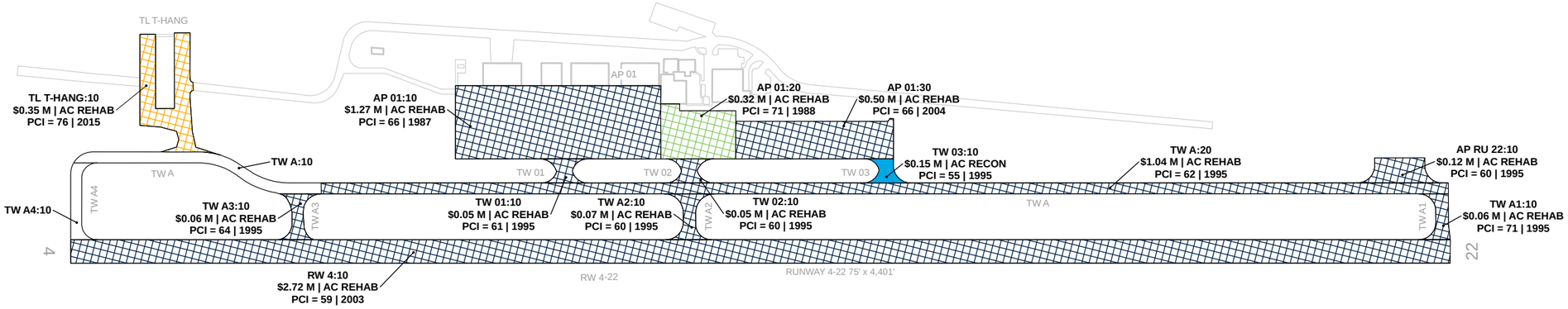

Legend

5-Year Major Rehabilitation Needs

- Year 1 Reconstruction Needs
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- Year 2 Rehabilitation Needs
- Year 3 Rehabilitation Needs
- Year 4 Rehabilitation Needs
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$9.38 M | AC RECON
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STATEWIDE AIRFIELD PAVEMENT MANAGEMENT SYSTEM UPDATE

CONWAY-HORRY COUNTY AIRPORT (HYW)

5-YEAR MAJOR REHABILITATION EXHIBIT

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Appendix B – Analysis Tables

HYW - Conway-Horry County Airport

Table B1 – System Inventory Data - Section

Network ID	Branch ID	Branch Use	Section ID	Area (SF)	Surface Type	Estimate of Last Construction Date
HYW	AP 01	Apron	10	153,270	AC	2/1/1987
HYW	AP 01	Apron	20	38,126	AC	8/1/1988
HYW	AP 01	Apron	30	60,489	AC	1/1/2004
HYW	AP RU 22	Apron	10	14,098	AC	7/1/1995
HYW	RW 4	Runway	10	330,075	AAC	1/1/2003
HYW	TL T-HANG	Taxilane	10	39,235	AC	1/1/2015
HYW	TW 01	Taxiway	10	5,825	AC	7/1/1995
HYW	TW 02	Taxiway	10	5,851	AC	7/1/1995
HYW	TW 03	Taxiway	10	5,057	AC	7/1/1995
HYW	TW A	Taxiway	10	27,697	AC	2/1/1987
HYW	TW A	Taxiway	20	125,860	AC	7/1/1995
HYW	TW A1	Taxiway	10	7,308	AC	7/1/1995
HYW	TW A2	Taxiway	10	8,591	AC	7/1/1995
HYW	TW A3	Taxiway	10	7,704	AC	7/1/1995
HYW	TW A4	Taxiway	10	9,534	AC	2/1/1987

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	3	251,885	67	Fair
AP RU 22	Apron	1	14,098	60	Fair
RW 4	Runway	1	330,075	59	Fair
TL T-HANG	Taxilane	1	39,235	76	Satisfactory
TW 01	Taxiway	1	5,825	61	Fair
TW 02	Taxiway	1	5,851	60	Fair
TW 03	Taxiway	1	5,057	55	Poor
TW A	Taxiway	2	153,557	65	Fair
TW A1	Taxiway	1	7,308	71	Satisfactory
TW A2	Taxiway	1	8,591	60	Fair
TW A3	Taxiway	1	7,704	64	Fair
TW A4	Taxiway	1	9,534	80	Satisfactory

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
HYW	AP 01	Apron	10	153,270	AC	66	Fair	100	0	0	7	34
HYW	AP 01	Apron	20	38,126	AC	71	Satisfactory	90	0	10	2	7
HYW	AP 01	Apron	30	60,489	AC	66	Fair	97	0	3	3	12
HYW	AP RU 22	Apron	10	14,098	AC	60	Fair	100	0	0	1	3
HYW	RW 4	Runway	10	330,075	AAC	59	Fair	94	0	6	12	59
HYW	TL T-HANG	Taxilane	10	39,235	AC	76	Satisfactory	100	0	0	2	9
HYW	TW 01	Taxiway	10	5,825	AC	61	Fair	95	0	5	1	1
HYW	TW 02	Taxiway	10	5,851	AC	60	Fair	100	0	0	1	1
HYW	TW 03	Taxiway	10	5,057	AC	55	Poor	90	0	10	1	1
HYW	TW A	Taxiway	10	27,697	AC	79	Satisfactory	94	0	6	3	6
HYW	TW A	Taxiway	20	125,860	AC	62	Fair	97	0	3	5	24
HYW	TW A1	Taxiway	10	7,308	AC	71	Satisfactory	94	0	6	1	2
HYW	TW A2	Taxiway	10	8,591	AC	60	Fair	100	0	0	1	2
HYW	TW A3	Taxiway	10	7,704	AC	64	Fair	93	0	7	1	2
HYW	TW A4	Taxiway	10	9,534	AC	80	Satisfactory	89	0	11	1	2

HYW - Conway-Horry County 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
HYW	AP 01	10	66	65	65	64	63	63
HYW	AP 01	20	71	70	69	68	67	67
HYW	AP 01	30	66	65	65	64	63	63
HYW	AP RU 22	10	60	59	59	58	57	56
HYW	RW 4	10	59	58	57	56	56	55
HYW	TL T-HANG	10	76	75	73	71	70	68
HYW	TW 01	10	61	60	59	58	57	56
HYW	TW 02	10	60	59	58	57	56	55
HYW	TW 03	10	55	54	53	52	51	50
HYW	TW A	10	79	78	77	75	73	72
HYW	TW A	20	62	61	60	58	57	56
HYW	TW A1	10	71	69	68	66	65	63
HYW	TW A2	10	60	59	58	57	56	55
HYW	TW A3	10	64	63	61	60	59	58
HYW	TW A4	10	80	79	78	76	75	73

Appendix C – Maintenance and Rehabilitation Tables

HYW - Conway-Horry County Airport

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	6,544	LF	$ 22,950
	Surface Seal	1,314	SF	$ 2,180
			Localized Preventive Maintenance Total =	$ 25,130
Localized Stopgap Maintenance	AC Crack Sealing Narrow	4,922	LF	$ 17,250
	Surface Seal	155	SF	$ 260
			Localized Stopgap Maintenance Total =	$ 17,510
			Planning-Level Localized M&R Needs =	**$ 42,640**

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

Network ID	Branch ID	Section ID	Area (SF)	Start PCI	End PCI	Cost
HYW	AP 01	10	153,270	66	66	$ -
HYW	AP 01	20	38,126	71	74	$ 12,580
HYW	AP 01	30	60,489	66	67	$ 70
HYW	AP RU 22	10	14,098	60	60	$ -
HYW	RW 4	10	330,075	59	62	$ 13,950
HYW	TL T-HANG	10	39,235	76	85	$ 5,220
HYW	TW 01	10	5,825	61	64	$ 280
HYW	TW 02	10	5,851	60	69	$ 690
HYW	TW 03	10	5,057	55	67	$ 1,260
HYW	TW A	10	27,697	79	82	$ 4,790
HYW	TW A	20	125,860	62	63	$ 90
HYW	TW A1	10	7,308	71	76	$ 1,040
HYW	TW A2	10	8,591	60	60	$ -
HYW	TW A3	10	7,704	64	67	$ 1,160
HYW	TW A4	10	9,534	80	80	$ 1,470

HYW - Conway-Horry County Airport

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

Network ID	Branch ID	Section ID	Description	Severity	Distress Qty	Distress Unit	Distress Density	Policy Type	Localized Work Type	Work Qty	Work Unit	Unit Cost	Work Cost
HYW	AP 01	20	L & T CR	Low	3,143	LF	8.2%	Preventive	AC Crack Sealing Narrow	3,143	LF	$ 3.50	$ 11,000
HYW	AP 01	20	RAVELING	Low	957	SF	2.5%	Preventive	Surface Seal	957	SF	$ 1.65	$ 1,580
HYW	TL T-HANG	10	L & T CR	Low	675	LF	1.7%	Preventive	AC Crack Sealing Narrow	675	LF	$ 3.50	$ 2,370
HYW	TL T-HANG	10	L & T CR	Medium	815	LF	2.1%	Preventive	AC Crack Sealing Narrow	815	LF	$ 3.50	$ 2,860
HYW	TW A	10	L & T CR	Low	1,106	LF	4.0%	Preventive	AC Crack Sealing Narrow	1,106	LF	$ 3.50	$ 3,870
HYW	TW A	10	L & T CR	Medium	93	LF	0.3%	Preventive	AC Crack Sealing Narrow	93	LF	$ 3.50	$ 330
HYW	TW A	10	RAVELING	Low	358	SF	1.3%	Preventive	Surface Seal	357	SF	$ 1.65	$ 600
HYW	TW A1	10	L & T CR	Low	216	LF	3.0%	Preventive	AC Crack Sealing Narrow	216	LF	$ 3.50	$ 760
HYW	TW A1	10	L & T CR	Medium	80	LF	1.1%	Preventive	AC Crack Sealing Narrow	80	LF	$ 3.50	$ 290
HYW	TW A4	10	L & T CR	Low	417	LF	4.4%	Preventive	AC Crack Sealing Narrow	417	LF	$ 3.50	$ 1,470
HYW	AP 01	30	L & T CR	Medium	20	LF	0.0%	Stopgap	AC Crack Sealing Narrow	20	LF	$ 3.50	$ 70
HYW	RW 4	10	L & T CR	Medium	3,985	LF	1.2%	Stopgap	AC Crack Sealing Narrow	3,985	LF	$ 3.50	$ 13,950
HYW	TW 01	10	L & T CR	Medium	80	LF	1.4%	Stopgap	AC Crack Sealing Narrow	80	LF	$ 3.50	$ 280
HYW	TW 02	10	BLOCK CR	Medium	203	SF	3.5%	Stopgap	AC Crack Sealing Narrow	62	LF	$ 3.50	$ 220
HYW	TW 02	10	L & T CR	Medium	134	LF	2.3%	Stopgap	AC Crack Sealing Narrow	134	LF	$ 3.50	$ 470
HYW	TW 03	10	L & T CR	Medium	360	LF	7.1%	Stopgap	AC Crack Sealing Narrow	360	LF	$ 3.50	$ 1,260
HYW	TW A	20	L & T CR	Medium	24	LF	0.0%	Stopgap	AC Crack Sealing Narrow	24	LF	$ 3.50	$ 90
HYW	TW A3	10	L & T CR	Medium	257	LF	3.3%	Stopgap	AC Crack Sealing Narrow	258	LF	$ 3.50	$ 910
HYW	TW A3	10	WEATHERING	Medium	155	SF	2.0%	Stopgap	Surface Seal	155	SF	$ 1.65	$ 260
HYW	AP 01	20	L & T CR	Low	3,143	LF	8.2%	Preventive	AC Crack Sealing Narrow	3,143	LF	$ 3.50	$ 11,000
HYW	AP 01	20	RAVELING	Low	957	SF	2.5%	Preventive	Surface Seal	957	SF	$ 1.65	$ 1,580
HYW	TL T-HANG	10	L & T CR	Low	675	LF	1.7%	Preventive	AC Crack Sealing Narrow	675	LF	$ 3.50	$ 2,370
HYW	TL T-HANG	10	L & T CR	Medium	815	LF	2.1%	Preventive	AC Crack Sealing Narrow	815	LF	$ 3.50	$ 2,860

HYW - Conway-Horry County 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
2024	**HYW**	AP 01	10	AC	153,270	65	AC Rehabilitation	$ 1,265,000
2024	**HYW**	AP 01	30	AC	60,489	65	AC Rehabilitation	$ 500,000
2024	**HYW**	AP RU 22	10	AC	14,098	59	AC Rehabilitation	$ 117,000
2024	**HYW**	RW 4	10	AAC	330,075	58	AC Rehabilitation	$ 2,724,000
2024	**HYW**	TW 01	10	AC	5,825	60	AC Rehabilitation	$ 49,000
2024	**HYW**	TW 02	10	AC	5,851	59	AC Rehabilitation	$ 49,000
2024	**HYW**	TW 03	10	AC	5,057	54	AC Reconstruction	$ 146,000
2024	**HYW**	TW A	20	AC	125,860	61	AC Rehabilitation	$ 1,039,000
2024	**HYW**	TW A1	10	AC	7,308	69	AC Rehabilitation	$ 61,000
2024	**HYW**	TW A2	10	AC	8,591	59	AC Rehabilitation	$ 71,000
2024	**HYW**	TW A3	10	AC	7,704	63	AC Rehabilitation	$ 64,000
2025	**HYW**	AP 01	20	AC	38,126	69	AC Rehabilitation	$ 324,000
2027	**HYW**	TL T-HANG	10	AC	39,235	70	AC Rehabilitation	$ 354,000
							Total 5-Year Major Rehabilitation Needs =	**$ 6,763,000**

Appendix D – PCI Results Summary

RW 4

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
RW 4	RUNWAY	1	330,075	59	Fair

Section ID	Area (SF)	Surface	Est. Last Major Work Year	Est. Last Global Treatment Year	PCI	Condition Rating	PCI % Climate	PCI % Load	PCI % Other
10	330,075	AAC	2003	2020	59	Fair	94	0	6

RW 1-10

RW 1-10

TW 01

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TW 01	TAXIWAY	1	5,825	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	5,825	AC	1995	2020	61	Fair	95	0	5

TW 01-10

TW 02

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TW 02	TAXIWAY	1	5,851	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	5,851	AC	1995	2020	60	Fair	100	0	0

TW 02-10

TW 03

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TW 03	TAXIWAY	1	5,057	55	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	5,057	AC	1995	2020	55	Poor	90	0	10

TW 03-10

TW A

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TW A	TAXIWAY	2	153,557	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	27,697	AC	1987	2020	79	Satisfactory	94	0	6
20	125,860	AC	1995	2020	62	Fair	97	0	3

TW A-10

TW A-20

TW A1

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TW A1	TAXIWAY	1	7,308	71	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	7,308	AC	1995	2020	71	Satisfactory	94	0	6

TW A1-10

TW A2

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TW A2	TAXIWAY	1	8,591	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	8,591	AC	1995	2020	60	Fair	100	0	0

TW A2-10

TW A3

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TW A3	TAXIWAY	1	7,704	64	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	7,704	AC	1995	2020	64	Fair	93	0	7

TW A3-10

TW A4

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TW A4	TAXIWAY	1	9,534	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	9,534	AC	1987	2020	80	Satisfactory	89	0	11

TW A4-10

TL T-HANG

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
TL T-HANG	TAXILANE	1	39,235	76	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	39,235	AC	2015	2020	76	Satisfactory	100	0	0

TL T-HANG-10

AP 01

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
AP 01	APRON	3	251,885	67	Fair

Section ID	Area (SF)	Surface	Est. Last Major Work Year	Est. Last Global Treatment Year	PCI	Condition Rating	PCI % Climate	PCI % Load	PCI % Other
10	153,270	AC	1987	2020	66	Fair	100	0	0
20	38,126	AC	1988	2020	71	Satisfactory	90	0	10
30	60,489	AC	2004	2020	66	Fair	97	0	3

AP 01-10

AP 01-20

AP 01-30

AP RU 22-10

Branch ID	Branch Use	Number of Sections	Branch Area (SF)	Branch Area-Weighted Avg PCI	Branch Condition Rating
AP RU 22	APRON	1	14,098	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	14,098	AC	1995	2020	60	Fair	100	0	0

AP RU 22-10

Appendix E – Re-Inspection Report

Re-Inspection Report

SCAC_2023
Generated Date 5/31/2023

Network: HYW **Name:** Conway-Horry County Airport

Branch: AP 01 **Name:** APRON 01 **Use:** APRON **Area:** 251,885 SqFt

Section: 10 of 3 **From:** - **To:** - **Last Const.:** 2/1/1987

Surface: AC **Family:** SC34_AP_AC **Zone:** **Category:** G **Rank:** P

Area: 153,270 SqFt **Length:** 655 Ft **Width:** 234 Ft

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

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

Section Comments:

Work Date: 2/1/1987	**Work Type:** Surface Course - AC (Layer Construct)	**Code:** SU-AC	**Is Major M&R:** False
Work Date: 2/1/1987	**Work Type:** Base Course - Aggregate	**Code:** BA-AG	**Is Major M&R:** False
Work Date: 2/1/1987	**Work Type:** New Construction - AC	**Code:** NC-AC	**Is Major M&R:** True
Work Date: 1/1/2004	**Work Type:** Surface Treatment - Seal Coat	**Code:** ST-SC	**Is Major M&R:** False
Work Date: 1/1/2020	**Work Type:** Surface Treatment - Seal Coat	**Code:** ST-SC	**Is Major M&R:** False

Last Insp. Date: 1/25/2023 **TotalSamples:** 34 **Surveyed:** 7

Conditions: **PCI:** 66

Inspection Comments:

Sample Number: 05 **Type:** R **Area:** 5000.00 SqFt **PCI:** 72

Sample Comments:

48	L & T CR	L	557.00	Ft
57	WEATHERING	L	1250.00	SqFt

Sample Number: 08 **Type:** R **Area:** 3875.00 SqFt **PCI:** 60

Sample Comments:

43	BLOCK CR	L	600.00	SqFt
48	L & T CR	L	738.00	Ft
57	WEATHERING	L	969.00	SqFt

Sample Number: 13 **Type:** R **Area:** 5000.00 SqFt **PCI:** 65

Sample Comments:

48	L & T CR	L	627.00	Ft
52	RAVELING	L	320.00	SqFt
57	WEATHERING	L	1250.00	SqFt

Sample Number: 17 **Type:** R **Area:** 5000.00 SqFt **PCI:** 65

Sample Comments:

48	L & T CR	L	646.00	Ft
52	RAVELING	L	800.00	SqFt
57	WEATHERING	L	1050.00	SqFt

Sample Number: 20 **Type:** R **Area:** 3875.00 SqFt **PCI:** 66

Sample Comments:

48	L & T CR	L	449.00	Ft
52	RAVELING	L	388.00	SqFt
57	WEATHERING	L	969.00	SqFt

Sample Number: 25 **Type:** R **Area:** 5000.00 SqFt **PCI:** 65

Sample Comments:

48	L & T CR	L	764.00	Ft
52	RAVELING	L	3750.00	SqFt

Sample Number: 29 **Type:** R **Area:** 3400.00 SqFt **PCI:** 66

Sample Comments:

48	L & T CR	L	525.00	Ft

52	RAVELING	L	1360.00	SqFt

Network: HYW **Name:** Conway-Horry County Airport

Branch: AP 01 **Name:** APRON 01 **Use:** APRON **Area:** 251,885 SqFt

Section: 20 of 3 **From:** - **To:** - **Last Const.:** 8/1/1988

Surface: AC **Family:** SC34_AP_AC **Zone:** **Category:** G **Rank:** S

Area: 38,126 SqFt **Length:** 239 Ft **Width:** 154 Ft

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

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

Section Comments:

Work Date: 8/1/1988	**Work Type:** Surface Course - AC (Layer Construct)	**Code:** LC-AC	**Is Major M&R:** False
Work Date: 8/1/1988	**Work Type:** New Construction - AC	**Code:** NC-AC	**Is Major M&R:** True
Work Date: 8/1/1996	**Work Type:** Surface Treatment - Seal Coat	**Code:** ST-SC	**Is Major M&R:** False
Work Date: 1/1/2004	**Work Type:** Surface Treatment - Seal Coat	**Code:** ST-SC	**Is Major M&R:** False
Work Date: 1/1/2020	**Work Type:** Surface Treatment - Seal Coat	**Code:** ST-SC	**Is Major M&R:** False

Last Insp. Date: 1/25/2023 **TotalSamples:** 7 **Surveyed:** 2

Conditions: **PCI:** 71

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 5950.00 SqFt **PCI:** 74

Sample Comments:

48	L & T CR	L	575.00	Ft
57	WEATHERING	L	1488.00	SqFt

Sample Number: 03 **Type:** R **Area:** 6000.00 SqFt **PCI:** 68

Sample Comments:

45	DEPRESSION	L	56.00	SqFt
48	L & T CR	L	410.00	Ft
52	RAVELING	L	300.00	SqFt
57	WEATHERING	L	1500.00	SqFt

Network: HYW **Name:** Conway-Horry County Airport

Branch: AP 01 **Name:** APRON 01 **Use:** APRON **Area:** 251,885 SqFt

Section: 30 of 3 **From:** - **To:** - **Last Const.:** 1/1/2004

Surface: AC **Family:** SC34_AP_AC **Zone:** **Category:** G **Rank:** P

Area: 60,489 SqFt **Length:** 503 Ft **Width:** 120 Ft

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

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

Section Comments:

Work Date: 2/1/1987	**Work Type:** Base Course - Aggregate	**Code:** BA-AG	**Is Major M&R:** False
Work Date: 2/1/1987	**Work Type:** Surface Course - AC (Layer Construct)	**Code:** SU-AC	**Is Major M&R:** False
Work Date: 2/1/1987	**Work Type:** New Construction - AC	**Code:** NC-AC	**Is Major M&R:** True
Work Date: 1/1/2004	**Work Type:** Reconstruction - AC	**Code:** RC-AC	**Is Major M&R:** True
Work Date: 1/2/2004	**Work Type:** Surface Treatment - Seal Coat	**Code:** ST-SC	**Is Major M&R:** False
Work Date: 1/1/2020	**Work Type:** Surface Treatment - Seal Coat	**Code:** ST-SC	**Is Major M&R:** False

Last Insp. Date: 1/25/2023 **TotalSamples:** 12 **Surveyed:** 3

Conditions: **PCI:** 66

Inspection Comments:

Sample Number: 03 **Type:** R **Area:** 5000.00 SqFt **PCI:** 64

Sample Comments:

48	L & T CR	L	633.00	Ft
48	L & T CR	M	5.00	Ft
57	WEATHERING	L	3750.00	SqFt

Sample Number: 07 **Type:** R **Area:** 5000.00 SqFt **PCI:** 67

Sample Comments:

48	L & T CR	L	608.00	Ft
56	SWELLING	L	15.00	SqFt
57	WEATHERING	L	5000.00	SqFt

Sample Number: 10 **Type:** R **Area:** 5300.00 SqFt **PCI:** 65

Sample Comments:

48	L & T CR	L	841.00	Ft
57	WEATHERING	L	3975.00	SqFt

Network: HYW **Name:** Conway-Horry County Airport

Branch: AP RU 22 **Name:** RUN-UP APRON 22 **Use:** APRON **Area:** 14,098 SqFt

Section: 10 of 1 **From:** - **To:** - **Last Const.:** 6/1/1995

Surface: AC **Family:** SC34_AP_AC **Zone:** **Category:** G **Rank:** S

Area: 14,098 SqFt **Length:** 160 Ft **Width:** 80 Ft

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

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

Section Comments:

Work Date: 6/1/1995	**Work Type:** Surface Course - AC (Layer Construct)	**Code:** SU-AC	**Is Major M&R:** False
Work Date: 6/1/1995	**Work Type:** New Construction - AC	**Code:** NC-AC	**Is Major M&R:** True
Work Date: 1/1/2004	**Work Type:** Surface Treatment - Seal Coat	**Code:** ST-SC	**Is Major M&R:** False
Work Date: 1/1/2020	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 1/1/2020	**Work Type:** Surface Treatment - Seal Coat	**Code:** ST-SC	**Is Major M&R:** False

Last Insp. Date: 1/25/2023 **TotalSamples:** 3 **Surveyed:** 1

Conditions: **PCI:** 60

Inspection Comments:

Sample Number: 02 **Type:** R **Area:** 4800.00 SqFt **PCI:** 60

Sample Comments:

43	BLOCK CR	L	4800.00	SqFt
57	WEATHERING	L	2400.00	SqFt

Network: HYW **Name:** Conway-Horry County Airport

Branch: RW 4 **Name:** RUNWAY 4-22 **Use:** RUNWAY **Area:** 330,075 SqFt

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

Surface: AAC **Family:** SC34_RW_AC **Zone:** **Category:** G **Rank:** P

Area: 330,075 SqFt **Length:** 4,401 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: 2/1/1987	**Work Type:** Surface Course - AC (Layer Construct)	**Code:** SU-AC	**Is Major M&R:** False
Work Date: 2/1/1987	**Work Type:** New Construction - AC	**Code:** NC-AC	**Is Major M&R:** True
Work Date: 2/1/1987	**Work Type:** Base Course - Aggregate	**Code:** BA-AG	**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: 1/1/2020	**Work Type:** Surface Treatment - Seal Coat	**Code:** ST-SC	**Is Major M&R:** False
Work Date: 1/1/2020	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False

Last Insp. Date: 1/25/2023 **TotalSamples:** 59 **Surveyed:** 12

Conditions: **PCI:** 59

Inspection Comments:

Sample Number: 02 **Type:** R **Area:** 5625.00 SqFt **PCI:** 71

Sample Comments:

48	L & T CR	L	414.00	Ft
48	L & T CR	M	34.00	Ft
57	WEATHERING	L	5625.00	SqFt

Sample Number: 06 **Type:** R **Area:** 5625.00 SqFt **PCI:** 70

Sample Comments:

48	L & T CR	L	564.00	Ft
56	SWELLING	L	19.00	SqFt
57	WEATHERING	L	5625.00	SqFt

Sample Number: 10 **Type:** R **Area:** 5625.00 SqFt **PCI:** 60

Sample Comments:

48	L & T CR	L	785.00	Ft
48	L & T CR	M	112.00	Ft
56	SWELLING	L	42.00	SqFt
57	WEATHERING	L	5625.00	SqFt

Sample Number: 15 **Type:** R **Area:** 5625.00 SqFt **PCI:** 58

Sample Comments:

48	L & T CR	L	889.00	Ft
48	L & T CR	M	64.00	Ft
56	SWELLING	L	48.00	SqFt
57	WEATHERING	L	5625.00	SqFt

Sample Number: 20 **Type:** R **Area:** 5625.00 SqFt **PCI:** 56

Sample Comments:

48	L & T CR	L	1259.00	Ft
48	L & T CR	M	42.00	Ft
57	WEATHERING	L	5625.00	SqFt

Sample Number: 24 **Type:** R **Area:** 5625.00 SqFt **PCI:** 53

Sample Comments:

48	L & T CR	L	1215.00	Ft
48	L & T CR	M	30.00	Ft
56	SWELLING	L	60.00	SqFt
57	WEATHERING	L	5625.00	SqFt

Sample Number: 29 **Type:** R **Area:** 5625.00 SqFt **PCI:** 54

Sample Comments:

48	L & T CR	L	1125.00	Ft
48	L & T CR	M	249.00	Ft
56	SWELLING	L	65.00	SqFt
57	WEATHERING	L	5625.00	SqFt

Sample Number: 34 **Type:** R **Area:** 5625.00 SqFt **PCI:** 60

Sample Comments:

48	L & T CR	L	1128.00	Ft
56	SWELLING	L	24.00	SqFt
57	WEATHERING	L	5625.00	SqFt

Sample Number: 40 **Type:** R **Area:** 5625.00 SqFt **PCI:** 56

Sample Comments:

48	L & T CR	L	1231.00	Ft
48	L & T CR	M	88.00	Ft
57	WEATHERING	L	5625.00	SqFt

Sample Number: 44 **Type:** R **Area:** 5625.00 SqFt **PCI:** 62

Sample Comments:

48	L & T CR	L	784.00	Ft
48	L & T CR	M	32.00	Ft
57	WEATHERING	L	5625.00	SqFt

Sample Number: 50 **Type:** R **Area:** 5625.00 SqFt **PCI:** 55

Sample Comments:

48	L & T CR	L	1173.00	Ft
48	L & T CR	M	24.00	Ft
56	SWELLING	L	15.00	SqFt
57	WEATHERING	L	5625.00	SqFt

Sample Number: 54 **Type:** R **Area:** 5625.00 SqFt **PCI:** 53

Sample Comments:

45	DEPRESSION	L	162.00	SqFt
48	L & T CR	L	1085.00	Ft
48	L & T CR	M	140.00	Ft
57	WEATHERING	L	5625.00	SqFt

Network: HYW **Name:** Conway-Horry County Airport

Branch: TL T-HANG **Name:** TAXILANE T-HANGER **Use:** TAXILANE **Area:** 39,235 SqFt

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

Surface: AC **Family:** SC34_TWTL_AC **Zone:** **Category:** **Rank:** T

Area: 39,235 SqFt **Length:** 775 Ft **Width:** 50 Ft

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

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

Section Comments:

Work Date: 1/1/2015	**Work Type:** New Construction - AC	**Code:** NC-AC	**Is Major M&R:** True
Work Date: 1/2/2015	**Work Type:** Base Course - Aggregate	**Code:** BA-AG	**Is Major M&R:** False
Work Date: 1/3/2015	**Work Type:** Surface Course - AC (Layer Construct)	**Code:** SU-AC	**Is Major M&R:** False
Work Date: 1/1/2020	**Work Type:** Surface Treatment - Seal Coat	**Code:** ST-SCT	**Is Major M&R:** False

Last Insp. Date: 1/25/2023 **TotalSamples:** 9 **Surveyed:** 2

Conditions: **PCI:** 76

Inspection Comments:

Sample Number: 03 **Type:** R **Area:** 4288.00 SqFt **PCI:** 81

Sample Comments:

48	L & T CR	L	82.00	Ft
48	L & T CR	M	40.00	Ft
57	WEATHERING	L	1072.00	SqFt

Sample Number: 06 **Type:** R **Area:** 3850.00 SqFt **PCI:** 71

Sample Comments:

48	L & T CR	L	58.00	Ft
48	L & T CR	M	129.00	Ft
57	WEATHERING	L	962.00	SqFt

Network: HYW **Name:** Conway-Horry County Airport

Branch: TW 01 **Name:** TAXIWAY 01 **Use:** TAXIWAY **Area:** 5,825 SqFt

Section: 10 of 1 **From:** - **To:** - **Last Const.:** 7/1/1995

Surface: AC **Family:** SC34_TWTL_AC **Zone:** **Category:** G **Rank:** S

Area: 5,825 SqFt **Length:** 77 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: 7/1/1995	**Work Type:** Surface Course - AC (Layer Construct)	**Code:** SU-AC	**Is Major M&R:** False
Work Date: 7/1/1995	**Work Type:** New Construction - AC	**Code:** NC-AC	**Is Major M&R:** True
Work Date: 1/1/2004	**Work Type:** Surface Treatment - Seal Coat	**Code:** ST-SC	**Is Major M&R:** False
Work Date: 1/1/2020	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 1/1/2020	**Work Type:** Surface Treatment - Seal Coat	**Code:** ST-SC	**Is Major M&R:** False

Last Insp. Date: 1/25/2023 **TotalSamples:** 1 **Surveyed:** 1

Conditions: **PCI:** 61

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 5825.00 SqFt **PCI:** 61

Sample Comments:

48	L & T CR	L	574.00	Ft
48	L & T CR	M	80.00	Ft
50	PATCHING	M	185.00	SqFt
56	SWELLING	L	56.00	SqFt
57	WEATHERING	L	1456.00	SqFt

Network: HYW **Name:** Conway-Horry County Airport

Branch: TW 02 **Name:** TAXIWAY 02 **Use:** TAXIWAY **Area:** 5,851 SqFt

Section: 10 of 1 **From:** - **To:** - **Last Const.:** 7/1/1995

Surface: AC **Family:** SC34_TWTL_AC **Zone:** **Category:** G **Rank:** P

Area: 5,851 SqFt **Length:** 77 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: 7/1/1995	**Work Type:** New Construction - AC	**Code:** NC-AC	**Is Major M&R:** True
Work Date: 7/1/1995	**Work Type:** Surface Course - AC (Layer Construct)	**Code:** SU-AC	**Is Major M&R:** False
Work Date: 1/1/2004	**Work Type:** Surface Treatment - Seal Coat	**Code:** ST-SC	**Is Major M&R:** False
Work Date: 1/1/2020	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 1/1/2020	**Work Type:** Surface Treatment - Seal Coat	**Code:** ST-SC	**Is Major M&R:** False

Last Insp. Date: 1/25/2023 **TotalSamples:** 1 **Surveyed:** 1

Conditions: **PCI:** 60

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 5851.00 SqFt **PCI:** 60

Sample Comments:

43	BLOCK CR	L	255.00	SqFt
43	BLOCK CR	M	203.00	SqFt
48	L & T CR	L	242.00	Ft
48	L & T CR	M	134.00	Ft
50	PATCHING	L	208.00	SqFt
57	WEATHERING	L	1411.00	SqFt

Network: HYW **Name:** Conway-Horry County Airport

Branch: TW 03 **Name:** TAXIWAY 03 **Use:** TAXIWAY **Area:** 5,057 SqFt

Section: 10 of 1 **From:** - **To:** - **Last Const.:** 7/1/1995

Surface: AC **Family:** SC34_TWTL_AC **Zone:** **Category:** G **Rank:** S

Area: 5,057 SqFt **Length:** 77 Ft **Width:** 65 Ft

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

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

Section Comments:

Work Date: 7/1/1995	**Work Type:** Surface Course - AC (Layer Construct)	**Code:** SU-AC	**Is Major M&R:** False
Work Date: 7/1/1995	**Work Type:** New Construction - AC	**Code:** NC-AC	**Is Major M&R:** True
Work Date: 1/1/2004	**Work Type:** Surface Treatment - Seal Coat	**Code:** ST-SC	**Is Major M&R:** False
Work Date: 1/1/2020	**Work Type:** Surface Treatment - Seal Coat	**Code:** ST-SC	**Is Major M&R:** False
Work Date: 1/1/2020	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False

Last Insp. Date: 1/25/2023 **TotalSamples:** 1 **Surveyed:** 1

Conditions: **PCI:** 55

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 5057.00 SqFt **PCI:** 55

Sample Comments:

48	L & T CR	L	156.00	Ft
48	L & T CR	M	360.00	Ft
56	SWELLING	L	102.00	SqFt
57	WEATHERING	L	2023.00	SqFt

Network: HYW **Name:** Conway-Horry County Airport

Branch: TW A **Name:** TAXIWAY A **Use:** TAXIWAY **Area:** 153,557 SqFt

Section: 10 of 2 **From:** - **To:** - **Last Const.:** 2/1/1987

Surface: AC **Family:** SC34_TWTL_AC **Zone:** **Category:** G **Rank:** P

Area: 27,697 SqFt **Length:** 775 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: 2/1/1987	**Work Type:** Surface Course - AC (Layer Construct)	**Code:** SU-AC	**Is Major M&R:** False
Work Date: 2/1/1987	**Work Type:** Base Course - Aggregate	**Code:** BA-AG	**Is Major M&R:** False
Work Date: 2/1/1987	**Work Type:** New Construction - AC	**Code:** NC-AC	**Is Major M&R:** True
Work Date: 1/1/2020	**Work Type:** Surface Treatment - Seal Coat	**Code:** ST-SC	**Is Major M&R:** False
Work Date: 1/1/2020	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False

Last Insp. Date: 1/25/2023 **TotalSamples:** 6 **Surveyed:** 3

Conditions: **PCI:** 79

Inspection Comments:

Sample Number: 02 **Type:** R **Area:** 5250.00 SqFt **PCI:** 89

Sample Comments:

48	L & T CR	L	82.00	Ft
57	WEATHERING	L	2625.00	SqFt

Sample Number: 04 **Type:** R **Area:** 3399.00 SqFt **PCI:** 72

Sample Comments:

48	L & T CR	L	90.00	Ft
48	L & T CR	M	36.00	Ft
52	RAVELING	L	138.00	SqFt
56	SWELLING	L	8.00	SqFt
57	WEATHERING	L	3261.00	SqFt

Sample Number: 06 **Type:** A **Area:** 5286.00 SqFt **PCI:** 64

Sample Comments:

48	L & T CR	L	660.00	Ft
56	SWELLING	L	90.00	SqFt
57	WEATHERING	L	2643.00	SqFt

Network: HYW **Name:** Conway-Horry County Airport

Branch: TW A **Name:** TAXIWAY A **Use:** TAXIWAY **Area:** 153,557 SqFt

Section: 20 of 2 **From:** - **To:** - **Last Const.:** 7/1/1995

Surface: AC **Family:** SC34_TWTL_AC **Zone:** **Category:** G **Rank:** P

Area: 125,860 SqFt **Length:** 3,596 Ft **Width:** 35 Ft

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

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

Section Comments:

Work Date: 7/1/1995	**Work Type:** Surface Course - AC (Layer Construct)	**Code:** SU-AC	**Is Major M&R:** False
Work Date: 7/1/1995	**Work Type:** New Construction - AC	**Code:** NC-AC	**Is Major M&R:** True
Work Date: 1/1/2004	**Work Type:** Surface Treatment - Seal Coat	**Code:** ST-SC	**Is Major M&R:** False
Work Date: 1/1/2020	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 1/1/2020	**Work Type:** Surface Treatment - Seal Coat	**Code:** ST-SC	**Is Major M&R:** False

Last Insp. Date: 1/25/2023 **TotalSamples:** 24 **Surveyed:** 5

Conditions: **PCI:** 62

Inspection Comments:

Sample Number: 02 **Type:** R **Area:** 5250.00 SqFt **PCI:** 68

Sample Comments:

48	L & T CR	L	610.00	Ft
56	SWELLING	L	16.00	SqFt
57	WEATHERING	L	2625.00	SqFt

Sample Number: 07 **Type:** R **Area:** 5250.00 SqFt **PCI:** 62

Sample Comments:

48	L & T CR	L	682.00	Ft
48	L & T CR	M	5.00	Ft
56	SWELLING	L	32.00	SqFt
57	WEATHERING	L	2625.00	SqFt

Sample Number: 12 **Type:** R **Area:** 5250.00 SqFt **PCI:** 58

Sample Comments:

43	BLOCK CR	L	3139.00	SqFt
48	L & T CR	L	346.00	Ft
56	SWELLING	L	30.00	SqFt
57	WEATHERING	L	2625.00	SqFt

Sample Number: 18 **Type:** R **Area:** 5250.00 SqFt **PCI:** 59

Sample Comments:

48	L & T CR	L	865.00	Ft
50	PATCHING	L	35.00	SqFt
56	SWELLING	L	61.00	SqFt
57	WEATHERING	L	2608.00	SqFt

Sample Number: 23 **Type:** R **Area:** 5250.00 SqFt **PCI:** 64

Sample Comments:

48	L & T CR	L	643.00	Ft
50	PATCHING	M	2.00	SqFt
57	WEATHERING	L	2624.00	SqFt

Network: HYW **Name:** Conway-Horry County Airport

Branch: TW A1 **Name:** TAXIWAY A1 **Use:** TAXIWAY **Area:** 7,308 SqFt

Section: 10 of 1 **From:** - **To:** - **Last Const.:** 7/1/1995

Surface: AC **Family:** SC34_TWTL_AC **Zone:** **Category:** G **Rank:** P

Area: 7,308 SqFt **Length:** 147 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: 7/1/1995	**Work Type:** New Construction - AC	**Code:** NC-AC	**Is Major M&R:** True
Work Date: 7/1/1995	**Work Type:** Surface Course - AC (Layer Construct)	**Code:** SU-AC	**Is Major M&R:** False
Work Date: 1/1/2004	**Work Type:** Surface Treatment - Seal Coat	**Code:** ST-SC	**Is Major M&R:** False
Work Date: 1/1/2020	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 1/1/2020	**Work Type:** Surface Treatment - Seal Coat	**Code:** ST-SC	**Is Major M&R:** False

Last Insp. Date: 1/25/2023 **TotalSamples:** 2 **Surveyed:** 1

Conditions: **PCI:** 71

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 3999.00 SqFt **PCI:** 71

Sample Comments:

48	L & T CR	L	118.00	Ft
48	L & T CR	M	44.00	Ft
50	PATCHING	L	175.00	SqFt
56	SWELLING	L	25.00	SqFt
57	WEATHERING	L	1912.00	SqFt

Network: HYW **Name:** Conway-Horry County Airport

Branch: TW A2 **Name:** TAXIWAY A2 **Use:** TAXIWAY **Area:** 8,591 SqFt

Section: 10 of 1 **From:** - **To:** - **Last Const.:** 7/1/1995

Surface: AC **Family:** SC34_TWTL_AC **Zone:** **Category:** G **Rank:** P

Area: 8,591 SqFt **Length:** 147 Ft **Width:** 55 Ft

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

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

Section Comments:

Work Date: 7/1/1995	**Work Type:** Surface Course - AC (Layer Construct)	**Code:** SU-AC	**Is Major M&R:** False
Work Date: 7/1/1995	**Work Type:** New Construction - AC	**Code:** NC-AC	**Is Major M&R:** True
Work Date: 1/1/2004	**Work Type:** Surface Treatment - Seal Coat	**Code:** ST-SC	**Is Major M&R:** False
Work Date: 1/1/2020	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 1/1/2020	**Work Type:** Surface Treatment - Seal Coat	**Code:** ST-SC	**Is Major M&R:** False

Last Insp. Date: 1/25/2023 **TotalSamples:** 2 **Surveyed:** 1

Conditions: **PCI:** 60

Inspection Comments:

Sample Number: 02 **Type:** R **Area:** 4205.00 SqFt **PCI:** 60

Sample Comments:

43	BLOCK CR	L	360.00	SqFt
48	L & T CR	L	689.00	Ft
57	WEATHERING	L	2102.00	SqFt

Network: HYW **Name:** Conway-Horry County Airport

Branch: TW A3 **Name:** TAXIWAY A3 **Use:** TAXIWAY **Area:** 7,704 SqFt

Section: 10 of 1 **From:** - **To:** - **Last Const.:** 7/1/1995

Surface: AC **Family:** SC34_TWTL_AC **Zone:** **Category:** G **Rank:** S

Area: 7,704 SqFt **Length:** 147 Ft **Width:** 50 Ft

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

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

Section Comments:

Work Date: 7/1/1995	**Work Type:** Surface Course - AC (Layer Construct)	**Code:** SU-AC	**Is Major M&R:** False
Work Date: 7/1/1995	**Work Type:** New Construction - AC	**Code:** NC-AC	**Is Major M&R:** True
Work Date: 1/1/2020	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 1/1/2020	**Work Type:** Surface Treatment - Seal Coat	**Code:** ST-SC	**Is Major M&R:** False

Last Insp. Date: 1/25/2023 **TotalSamples:** 2 **Surveyed:** 1

Conditions: **PCI:** 64

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 3980.00 SqFt **PCI:** 64

Sample Comments:

48	L & T CR	L	296.00	Ft
48	L & T CR	M	133.00	Ft
56	SWELLING	L	47.00	SqFt
57	WEATHERING	L	3900.00	SqFt
57	WEATHERING	M	80.00	SqFt

Network: HYW **Name:** Conway-Horry County Airport

Branch: TW A4 **Name:** TAXIWAY A4 **Use:** TAXIWAY **Area:** 9,534 SqFt

Section: 10 of 1 **From:** - **To:** - **Last Const.:** 2/1/1987

Surface: AC **Family:** SC34_TWTL_AC **Zone:** **Category:** G **Rank:** P

Area: 9,534 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: 2/1/1987	**Work Type:** New Construction - AC	**Code:** NC-AC	**Is Major M&R:** True
Work Date: 2/1/1987	**Work Type:** Surface Course - AC (Layer Construct)	**Code:** SU-AC	**Is Major M&R:** False
Work Date: 2/1/1987	**Work Type:** Base Course - Aggregate	**Code:** BA-AG	**Is Major M&R:** False
Work Date: 1/1/2020	**Work Type:** Surface Treatment - Seal Coat	**Code:** ST-SC	**Is Major M&R:** False
Work Date: 1/1/2020	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False

Last Insp. Date: 1/25/2023 **TotalSamples:** 2 **Surveyed:** 1

Conditions: **PCI:** 80

Inspection Comments:

Sample Number: 02 **Type:** R **Area:** 4797.00 SqFt **PCI:** 80

Sample Comments:

48	L & T CR	L	210.00	Ft
56	SWELLING	L	31.00	SqFt
57	WEATHERING	L	2398.00	SqFt


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