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Design, Inc.**

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2021 PAVEMENT CONDITION INDEX (PCI) REPORT

**Report Submitted to:
Jacobs Engineering
Group, Inc.**

December 2023

***Hammonton Municipal Airport (N81)
Hammonton, Atlantic County, New Jersey***



Table of Contents

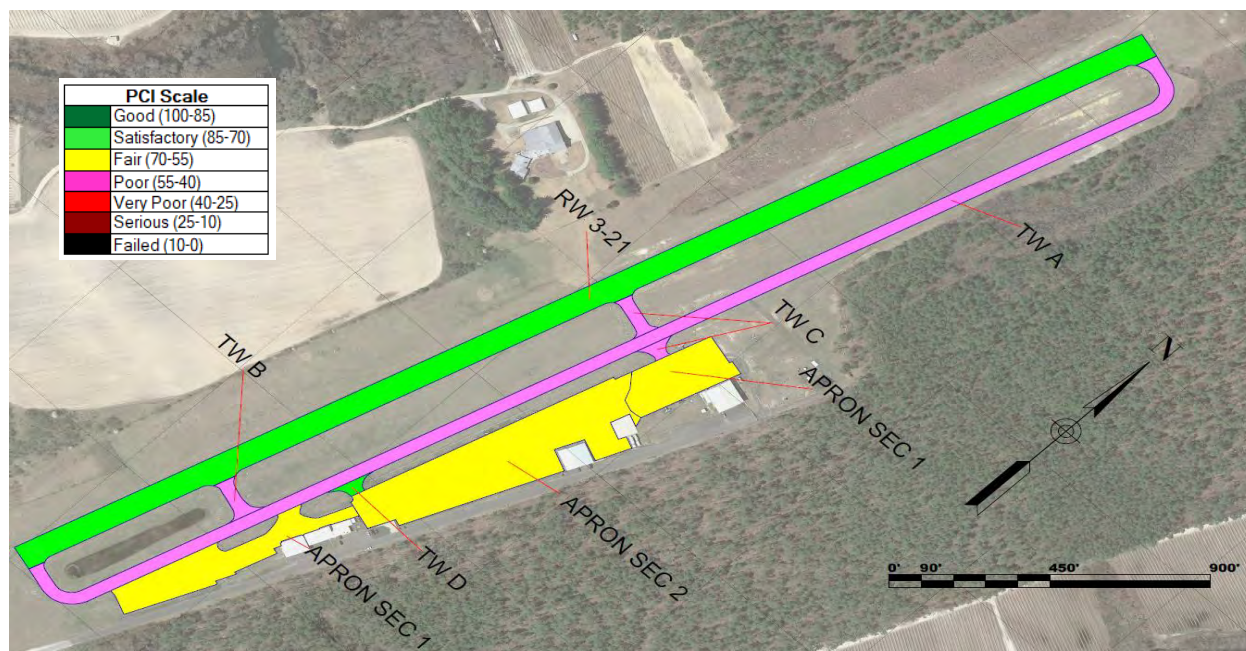
Executive Summary	i
Part I – Introduction	1
Part II – Scope of Work	2
2.1 Reviewed Existing Information.....	2
2.2 Performed PCI Survey	2
2.2.1. <i>Sampling</i>	2
2.2.2. <i>Inspection</i>	2
2.2.3. <i>Analysis</i>	4
Part III – Results.....	5
3.1 Overview	5
3.2 Branch/Section Discussion.....	6
Condition Photo Log	
Appendix A: Layout and Results Maps	
Appendix B: Detailed Data Reports	

Executive Summary

The pavement condition of the runway, taxiway, and apron of Hammonton Municipal Airport (N81) was evaluated through a pavement distress survey in October 2021 and the Pavement Condition Index (PCI) was computed. The results were compared to those obtained from the 2014 condition assessment of the N81 airport pavement.

The 2021 distress survey indicated that the runway, taxiway, and apron pavement of airport N81, considered as a whole, is currently in FAIR condition with an overall average PCI of 65. This is an 11-point reduction from the overall PCI of 76 (SATISFACTORY) found for the airport in 2014. In terms of area, the airport pavement was mostly split between GOOD (39%) and SATISFACTORY (37%) conditions, with the remaining area being in POOR (23%) and FAIR (1%) conditions in 2014 but deteriorated to 39% SATISFACTORY, 37% FAIR, and 24% POOR conditions in 2021. With respect to branch type/use, the runway worsened from GOOD condition in 2014 to SATISFACTORY condition in 2021. The taxiways, which were mostly POOR (93%) with the remainder in FAIR (5%) and GOOD (2%) conditions in 2014, became nearly all POOR (98%) with the remainder in SATISFACTORY (2%) conditions in 2021. The apron worsened from SATISFACTORY condition in 2014 to FAIR condition in 2021.

In terms of distresses, the entire pavement area is primarily affected by climatic/durability factors. Longitudinal and transverse cracking is the predominant distress observed across the airport pavement. Weathering and patching were also significant contributors to PCI deductions on many pavement sections. Medium-severity block cracking, medium-severity alligator cracking (load-related distress), and oil spillage were also found in some sections of N81.





Part I – Introduction

Jacobs Engineering Group Inc. retained Advanced Infrastructure Design, Inc. (AID) to provide technical services pertaining to the collection of Pavement Condition Index (PCI) data on the airside pavement of seventeen (17) airports in New Jersey. This report pertains to the PCI data collection work conducted on 10/4/2021 and 10/13/2021 at Hammonton Municipal Airport (N81) and includes a comparison of the results to those obtained in 2014. The project site is located in Hammonton Town, Atlantic County, New Jersey.

AID collected PCI data for the runways, taxiways, and aprons at 17 airports in 2014. This data was then used to develop an Airport Pavement Management System (APMS) for each of those 17 airports. Several years later, it is now prudent to update the PCI data at the 17 airports to account for deterioration and improvements that have occurred since the last PCI survey conducted in 2014. The updated PCI information will provide the New Jersey Department of Transportation (NJDOT) and Federal Aviation Administration (FAA) with important existing condition information that can then be used to allocate funds appropriately. Additionally, the new set of PCI data can eventually be added to the 2014 data in the APMS to enable refinements to pavement deterioration models.

The intent of AID's work on this project was to collect PCI data on the primary airside pavement, which can be readily entered into the Airport Pavement Management System (APMS) for N81. To this end, the distress survey was conducted on the runway, taxiway, and apron pavements. The remainder of this report discusses the scope of work in detail and presents the results yielded by the PCI inspection. In addition to this report, the database created in 2014 is being updated with the 2021 distress survey data. The database will include the airport pavement inventory, distresses, and PCI data from the 2014 and 2021 distress surveys.

The airport layout showing the various pavement branches and sections at the airport and their respective designations is shown in Appendix A. It should be noted that the letter designations that were arbitrarily assigned to the taxiways during AID's 2014 PCI survey were also followed for the current survey.

Part II – Scope of Work

As part of the PCI data collection efforts, AID performed the following tasks:

2.1 Reviewed Existing Information

To understand the existing pavement assets and their structure and condition for planning the project work, updates since the 2014 work to pertinent information such as the Airport Layout Plan (ALP), CADD files, pavement type information, historical pavement condition information, and past and planned maintenance and rehabilitation (M&R) activities were requested. For N81 details of M&R activity were not available to AID at the time of this report. Google Earth (GE) imagery was used for mapping this project and identifying the location of the M&R activity on the pavement. Based on the GE image history, it appears that the middle section of the apron (denoted as Section 2, refer to Appendix A) was constructed between 2006 and 2008. Consequently, this section was separated from the rest of the pavement and the PCI values were computed separately. Although no M&R activity could be identified from GE imagery after the 2014 survey, it should be noted that while conducting the distress survey in 2021, crack sealing was noticed to have taken place on Taxiway A.

2.2 Performed PCI Survey

ASTM D5340-20: Standard Test Method for Airport Pavement Condition Index Surveys, which is employed as the visual distress identification and rating system in *FAA AC No. 150/5380-6C: Guidelines and Procedures for Maintenance of Airport Pavements*, was followed in carrying out the PCI inspection work for this project. This work can be divided into three components – sampling, inspection, and analysis.

2.2.1 Sampling

The sampling plan from the 2014 PCI survey was followed for the current, 2021 survey. This involved first dividing the airport pavement into different branches based on functionality and geography. The branches were then subdivided into different sections, where appropriate, based on the pavement type, condition, and geometry. The sections were further divided into sample units for the purpose of PCI inspection, where each unit has an area of 5000 ± 2000 SF for asphalt concrete (AC) surfaced pavements. Following *ASTM D5340-20*, a sampling rate was established to balance the need for reliable data with the need to efficiently carry out the inspection work, keeping in mind that the PCI data being collected is intended to be used in making network-level decisions regarding M&R treatments. Table 1 shows the sampling plan that was typically followed. This displays the minimum number of sample units to be surveyed within a section with a specified total number of sample units. These are designated “Random” sample units. “Additional” sample units are sample units that have a non-representative pavement condition and are inspected in addition to the random sample units when they were found to exist.

Locations and designations for all the branches, sections, and sample units are shown in Appendix A.

Table 1. Sampling Plan.

Total No. of Sample Units in a Section	No. of Sample Units to Survey
1	1
2-4	2
5-7	3
8-10	4
11-12	5
13-15	6
16-18	7
19-21	8
22-25	9
26-30	10
31-35	11
36-60	12
>60	20%

2.2.2 Inspection

The layout of the branches, sections, and sample units established during the 2014 distress survey as well as the sampling plan from 2014 were followed for the current PCI survey. AID conducted the distress survey on N81 between October 4 and October 13, 2021.

PCI is used for quantifying pavement condition, where values range from 0-100 with 0 being the worst possible condition and 100 being the best possible condition. Using “deduct curves” from *ASTM D5340-20*, a single PCI value is calculated for each surveyed sample unit based on the distress types, severities (low, medium, or high), and quantities found within that sample unit. The PCI can be related to a verbal description called a “pavement condition rating” for ease of interpretation of the results. The PCI scale shown below is cited as an example in *ASTM D5340-20* and was used for this project.

PCI Scale	
	Good (100-85)
	Satisfactory (85-70)
	Fair (70-55)
	Poor (55-40)
	Very Poor (40-25)
	Serious (25-10)
	Failed (10-0)



2.2.3 Analysis

The distress survey data collected during the inspections was analyzed using *Paver (v.7.0.10)*, which was developed by the U.S. Army Corps of Engineers, Construction Engineering Research Laboratory (CERL). The analysis of the distress survey data includes the calculation of the PCI and distress quantities extrapolated over the entirety of the surveyed pavement sections.

Part III – Results

3.1 Overview

Based on the pavement distress survey and analysis, it was found that the runway, taxiway, and apron pavement of airport N81, considered as a whole, is currently in FAIR condition with an overall average PCI of 65. This is an 11-point reduction from the overall PCI of 76 (SATISFACTORY) found for the airport in 2014. The percentage breakdowns of the pavement area falling within each PCI condition category, both in 2014 and 2021, are provided in Figure 1. This figure shows that the airport pavement was mostly split between GOOD (39%) and SATISFACTORY (37%) conditions, with the remaining area being in POOR (23%) and FAIR (1%) conditions in 2014 but deteriorated to 39% SATISFACTORY, 37% FAIR, and 24% POOR conditions in 2021.

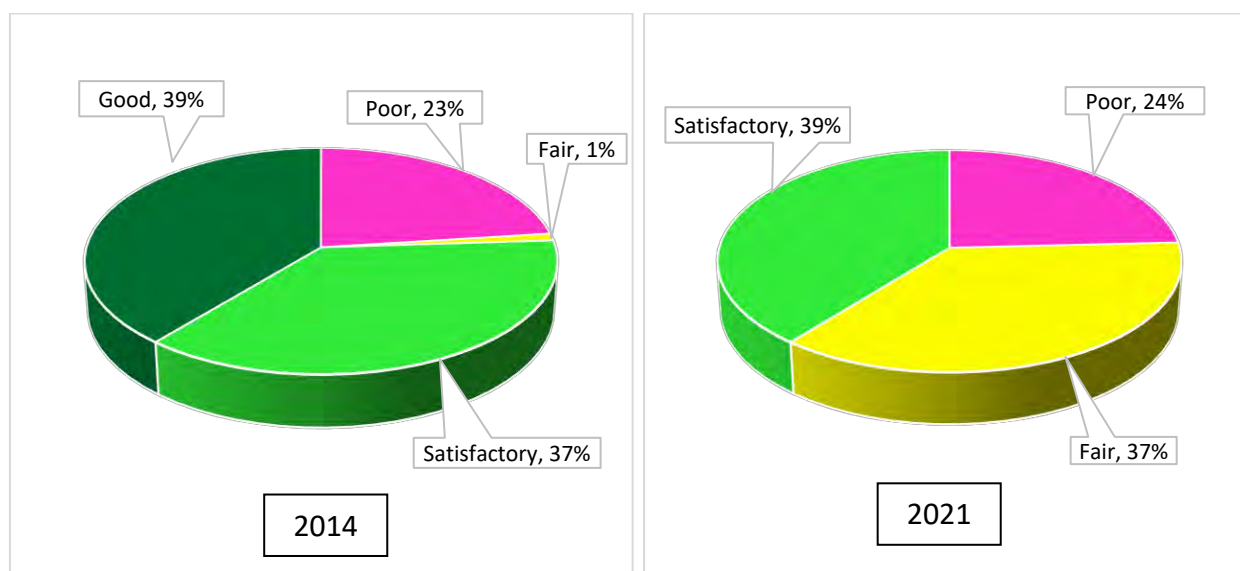


Figure 1. Comparison of Overall N81 PCI Category Breakdown in 2014 and 2021.

Figure 2 shows the PCI category breakdown by branch use in 2014 and 2021. The runway worsened from GOOD condition in 2014 to SATISFACTORY condition in 2021. The taxiways, which were mostly POOR (93%) with remainder in FAIR (5%) and GOOD (2%) condition in 2014, became nearly all POOR (98%) with the remainder in SATISFACTORY (2%) condition in 2021. The aprons worsened from SATISFACTORY condition in 2014 to FAIR condition in 2021.

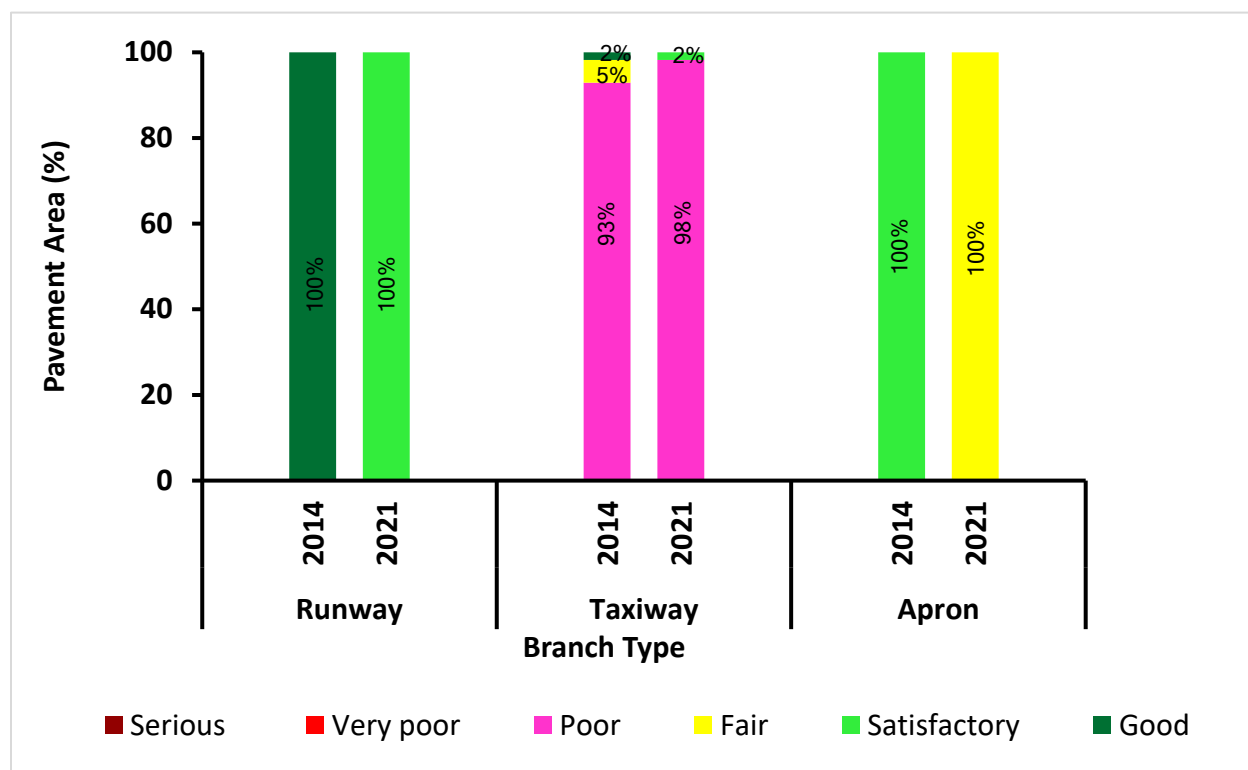


Figure 2. Comparison of PCI Category Breakdown by Branch Use in 2014 and 2021.

Figure 3 shows the weighted average PCI change from 2014 to 2021 to visualize the rate of deterioration. The PCI deterioration rate for the runway and apron pavement was -2.3 and -2.1 PCI points/year, respectively. The overall PCI of the taxiway pavement increased by 3 points due to a possible crack-sealing activity on Taxiway A.

The detailed data collected and produced through pavement inspections, including branch, section, and sample unit reports as well as a report with extrapolated distress data by section, is compiled in Appendix B. Because no information was made available to AID at the time of this report regarding the “Last Construction Date”, which reflects the date when the last major rehabilitation was carried out, an arbitrary date assigned by Paver program is listed in the Section Condition Report.

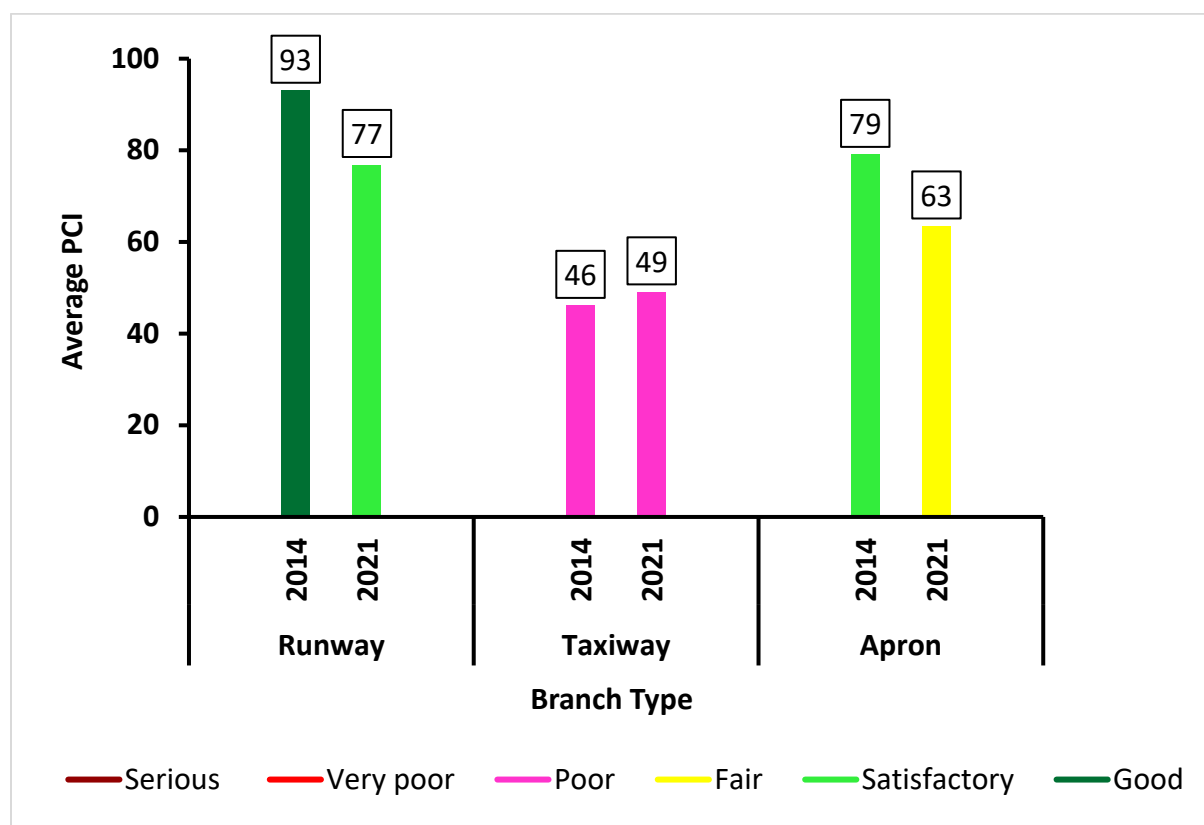


Figure 3. Comparison of Average PCI by Branch Use in 2014 and 2021.

3.2 Branch/Section Discussion

Table 2 summarizes pertinent attributes of the pavement branches and sections. This table also lists the total number of samples in each section along with the number of random and additional samples that were surveyed. Table 3 summarizes the PCI by section and branch for both 2014 and 2021.

Table 4 summarizes the observed distresses by section from the 2021 survey. In terms of distresses, the entire pavement area is primarily affected by climatic/durability factors. Longitudinal and transverse cracking is the predominant distress observed across the airport pavement. Weathering and Patching were also significant contributors to PCI deductions on many pavement sections. Medium severity block cracking was found on Taxiways A, B and C. Medium severity alligator cracking (load related distress) was noticed on Taxiway C, and oil spillage was found on Apron Section 1. A photo log is included to visualize the typical condition in various pavement sections at the time of the 2021 inspection.

Table 2. Summary of Pavement Branch and Section Attributes

Branch ID	Section ID	Surface Type	Total Area (sq. feet)	Total Sample Units	Sample Units Inspected	
					Random	Additional
Runway 3-21	1	AC	270,010	29	12	0
Taxiway A	1	AC	152,837	29	9	1
Taxiway B	1	AC	6,450	2	2	0
Taxiway C	1	AC	9,089	3	2	0
Taxiway D	1	AC	3,079	1	1	0
Apron	1	AC	105,965	26	7	1
	2	AC	147,686	32	6	0

Notes:

1. AC- Asphalt Concrete
2. Refer to Appendix A for Branch ID, Section ID, and Locations

Table 3. PCI Comparison by Branch and Section for 2014 and 2021

Branch ID	Section ID	PCI-2014				PCI-2021				Predominant distresses in 2021
		Branch PCI	Branch PCI Category	Section PCI	Section PCI Category	Branch PCI	Branch PCI Category	Section PCI	Section PCI Category	
Runway 3-21	1	93	Good	93	Good	77	Satisfactory	77	Satisfactory	Longitudinal and transverse cracking
Taxiway A	1	44	Poor	44	Poor	48	Poor	48	Poor	Longitudinal and transverse cracking, and block cracking
Taxiway B	1	52	Poor	52	Poor	49	Poor	49	Poor	Longitudinal and transverse cracking
Taxiway C	1	60	Fair	60	Fair	53	Poor	53	Poor	Longitudinal and transverse cracking
Taxiway D	1	94	Good	94	Good	72	Satisfactory	72	Satisfactory	Longitudinal and transverse cracking, and weathering
Apron	1	79	Satisfactory	79	Satisfactory	63	Fair	65	Fair	Longitudinal and transverse cracking
	2	DID NOT EXIST					Fair	62	Fair	Longitudinal and transverse cracking

Table 4. Summary of 2021 Observed Distress Types by Section

Branch ID	Section ID	Pavement Distresses										
		Alligator cracking	Block cracking	Depression	Long. & Trans. Cracking	Patching	Raveling/ weathering	Rutting	Shoving	Slippage Cracking	Swell	Others
Runway 3-21	1				L/M/H	L/M	L					
Taxiway A	1		M		L/M/H	L/M	L					
Taxiway B	1		M		M/H		L					
Taxiway C	1	M	M		M/H		L					
Taxiway D	1				M		M					
Apron	1				M/H	L/M	L/M					Oil Spillage
	2				M/H	L/M	M					

Notes: L- Low severity; M-Medium Severity; H-High Severity; Bold text represents predominant distress



Condition Photo Log



Photo No: A-1

Airport Code: N81

Branch: RW 3-21

Section: N/A

Date: 10/4/2021

Description: L/M-Longitudinal & Transverse Cracking; L-Weathering



Photo No: A-2

Airport Code: N81

Branch: RW 3-21

Section: N/A

Date: 10/4/2021

Description: M-Transverse Cracking; L-Weathering



Photo No: A-3

Airport Code: N81

Branch: RW 3-21

Section: N/A

Date: 10/4/2021

Description: L-Weathering



Photo No: A-4

Airport Code: N81

Branch: TW A

Section: N/A

Date: 10/4/2021

Description: L/M-Longitudinal & Transverse Cracking; L-Weathering



Photo No: A-5

Airport Code: N81

Branch: TW A

Section: N/A

Date: 10/4/2021

Description: M-Block Cracking; L-Longitudinal & Transverse Cracking; L-Weathering



Photo No: A-6

Airport Code: N81

Branch: TW A

Section: N/A

Date: 10/4/2021

Description: M-Block Cracking; L-Weathering



Photo No: A-7

Airport Code: N81

Branch: TW B

Section: N/A

Date: 10/4/2021

Description: M/H-Longitudinal & Transverse Cracking; L-Weathering



Photo No: A-8

Airport Code: N81

Branch: TW B

Section: N/A

Date: 10/4/2021

Description: M/H-Longitudinal Cracking; L-Weathering



Photo No: A-9

Airport Code: N81

Branch: TW C

Section: N/A

Date: 10/13/2021

Description: M-Longitudinal & Transverse Cracking; L-Weathering



Photo No: A-10

Airport Code: N81

Branch: TW C

Section: N/A

Date: 10/13/2021

Description: M/H-Longitudinal & Transverse Cracking; L-Weathering



Photo No: A-11

Airport Code: N81

Branch: TW D

Section: N/A

Date: 10/13/2021

Description: M-Longitudinal & Transverse Cracking; M-Weathering



Photo No: A-12

Airport Code: N81

Branch: Apron

Section: 1

Date: 10/13/2021

Description: M/H-Longitudinal & Transverse Cracking; L/M-Weathering



Photo No: A-13

Airport Code: N81

Branch: Apron

Section: 1

Date: 10/13/2021

Description: Oil Spillage; M-Longitudinal & Transverse Cracking



Photo No: A-14

Airport Code: N81

Branch: Apron

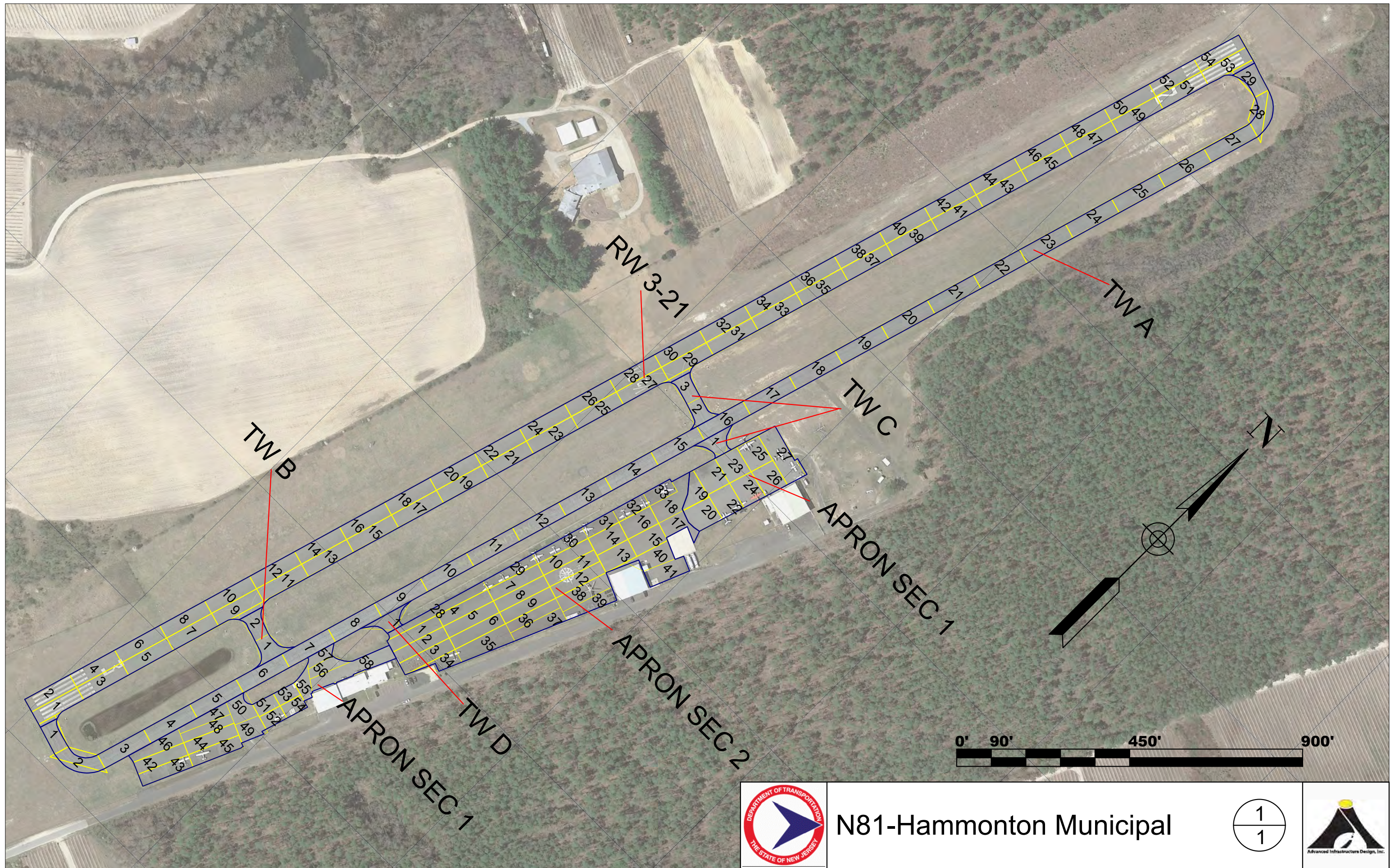
Section: 2

Date: 10/13/2021

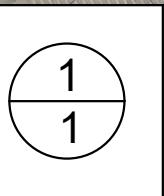
Description: M-Longitudinal & Transverse Cracking; L/M-Weathering

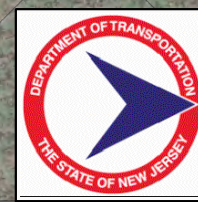
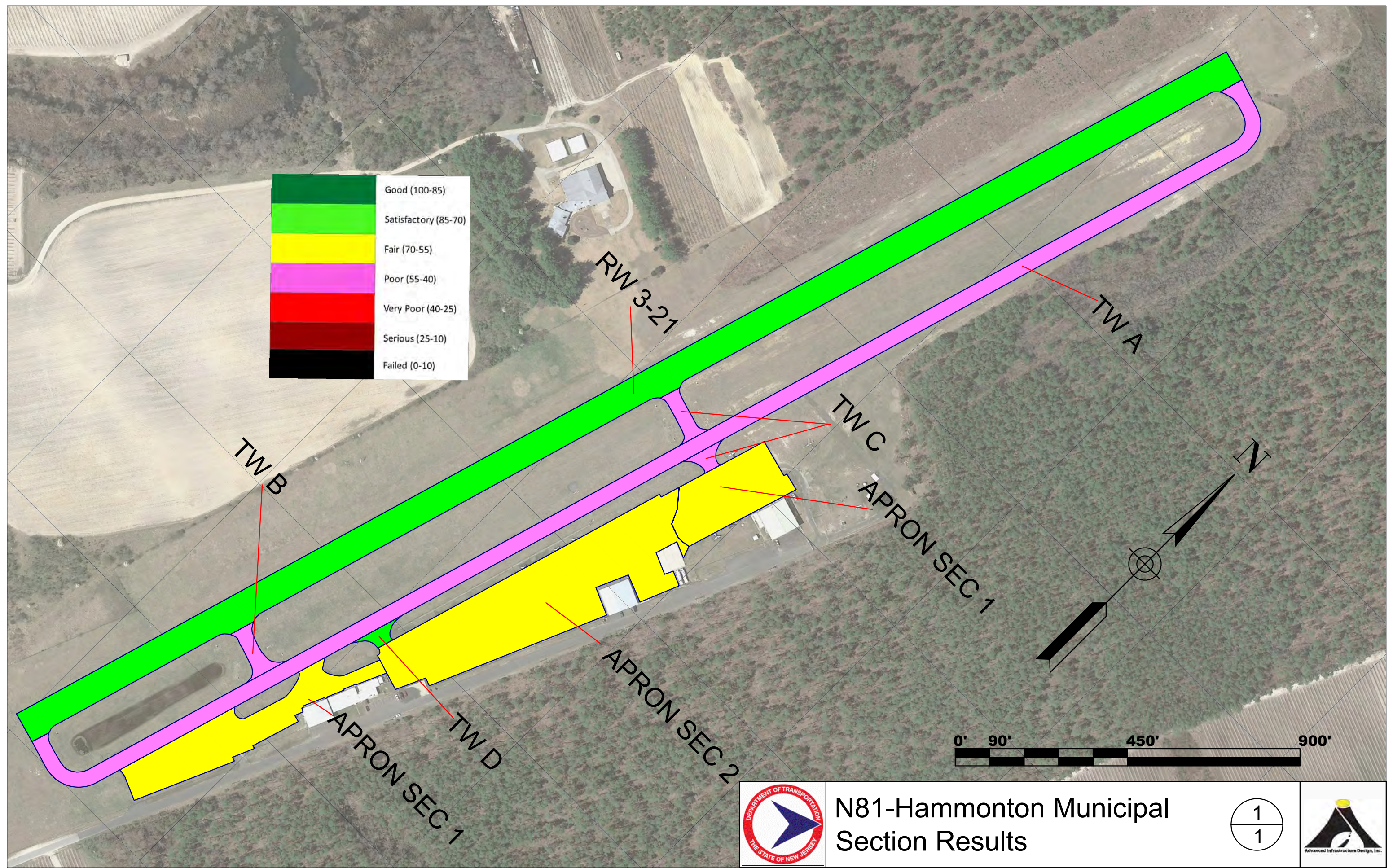


Appendix A: Layout and Results Maps



N81-Hammonton Municipal





N81-Hammonton Municipal
Section Results





Appendix B: Detailed Data Reports

1/18/2024**Branch Listing Report****Page 1 of 2*****Pavement Database: 2014-NJDOT-GA AIRPORTS***

Network ID	Branch ID	Name	Use	Number of Sections	True Area (SqFt)	Comments
N81	APR	Apron	APRON	2	253,650.80	
N81	RW 3-21	Runway 3-21	RUNWAY	1	270,010.00	
N81	TW A	Taxiway A	TAXIWAY	1	152,837.00	
N81	TW B	Taxiway B	TAXIWAY	1	6,450.00	
N81	TW C	Taxiway C	TAXIWAY	1	9,089.00	
N81	TW D	Taxiway D	TAXIWAY	1	3,079.00	

Branch Listing Report (Summary)
Pavement Database: 2014-NJDOT-GA AIRPORTS

Total Number of Networks:	1
Total Number of Branches:	6
Total Number of Sections:	7
Total True Area:	695,115.80 (SqFt)
Average Branch True Area:	115,852.63 (SqFt)

1/18/2024

Branch Condition Report

Page 1 of 2

Pavement Database: 2014-NJDOT-GA AIRPORTS

Branch ID	Number of Sections	Sum Section Length (Ft)	Avg Section Width (Ft)	True Area (SqFt)	Use	Average PCI	Standard Deviation PCI	Weighted Average PCI
APR	2	1,892.80	134.00	253,650.80	APRON	63.65	1.65	63.38
RW 3-21	1	3,601.00	75.00	270,010.00	RUNWAY	76.80	0.00	76.80
TW A	1	3,821.00	40.00	152,837.00	TAXIWAY	48.20	0.00	48.20
TW B	1	161.00	40.00	6,450.00	TAXIWAY	49.00	0.00	49.00
TW C	1	227.00	40.00	9,089.00	TAXIWAY	53.40	0.00	53.40
TW D	1	44.00	70.00	3,079.00	TAXIWAY	72.10	0.00	72.10

1/18/2024**Branch Condition Report****Page 2 of 2*****Pavement Database: 2014-NJDOT-GA AIRPORTS***

Use Category	Number of Sections	Total Area (SqFt)	Arithmetic Average PCI	Average STD PCI	Weighted Average PCI
APRON	2	253,650.80	63.65	1.65	63.38
RUNWAY	1	270,010.00	76.80	0.00	76.80
TAXIWAY	4	171,455.00	55.68	9.69	48.93
ALL	7	695,115.80	60.97	10.41	65.03

*Pavement Database: 2014-NJDOT-GA AIRPORTS**NetworkId: N81*

Branch ID	Section ID	Last Const. Date	Surface	Use	Rank	Lanes	True Area (SqFt)	Last Inspection Date	Age At Inspection	PCI
APR	1	1/1/1900	AC	APRON	P	0	105,964.80	10/13/2021	121	65.3
APR	2	1/1/1900	AC	APRON	A	0	147,686.00	10/13/2021	121	62
RW 3-21	1	1/1/1900	AC	RUNWAY	A	0	270,010.00	10/4/2021	121	76.8
TW A	1	1/1/1900	AC	TAXIWAY	A	0	152,837.00	10/13/2021	121	48.2
TW B	1	1/1/1900	AC	TAXIWAY	A	0	6,450.00	10/4/2021	121	49
TW C	1	1/1/1900	AC	TAXIWAY	A	0	9,089.00	10/13/2021	121	53.4
TW D	1	1/1/1900	AC	TAXIWAY	A	0	3,079.00	10/13/2021	121	72.1

Pavement Database: 2014-NJDOT-GA AIRPORTS

Age Category	Average Age at Inspection	Total Area (SqFt)	Number of Sections	Arithmetic Average PCI	Standard Deviation PCI	Weighted Average PCI
50+	121	695,115.80	7	60.97	10.41	65.03
ALL	121	695,115.80	7	60.97	10.41	65.03

Inspection Report

2014-NJDOT-GA AIRPORTS

Generated Date 1/18/2024 Page 1 of 19

Network:	N81	Name:	Hammonton						
Branch:	APR	Name:	Apron	Use:	APRON	Area:	253,651 SqFt		
Section:	1	of	2	From:		To:		Last Const.:	1/1/1900
Surface:	AC	Family:	DEFAULT	Zone:		Category:		Rank:	P
Area:	105,965 SqFt	Length:	791 Ft	Width:	134 Ft				
Slabs:		Slab Length:	Ft	Slab Width:	Ft	Joint Length:	134 Ft		
Shoulder:		Street Type:		Grade:	0	Lanes:	0		
Section Comments:									

Work Date:	1/1/1900	Work Type:	New Construction - Initial	Code:	NC-IN	Is Major M&R:	True
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Last Insp. Date:	10/13/2021	TotalSamples:	26	Surveyed:	8
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Conditions:	PCI:	65
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Inspection Comments:

Sample Number:	21	Type:	R	Area:	4711.00 SqFt	PCI:	69
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Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
48	L & T CR	M	75.00 Ft	1.6	14.0	
48	L & T CR	M	53.00 Ft	1.1	11.9	
49	OIL SPILLAGE	N	2.00 SqFt	0.0	2.0	
49	OIL SPILLAGE	N	2.00 SqFt	0.0	2.0	
49	OIL SPILLAGE	N	2.00 SqFt	0.0	2.0	
50	PATCHING	M	4.00 SqFt	0.1	6.2	anchor
50	PATCHING	M	4.00 SqFt	0.1	6.2	anchor
50	PATCHING	M	4.00 SqFt	0.1	6.2	anchor
57	WEATHERING	L	4711.00 SqFt	100.0	6.0	

Sample Number:	22	Type:	R	Area:	4711.00 SqFt	PCI:	62
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Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
48	L & T CR	M	75.00 Ft	1.6	14.0	
48	L & T CR	M	43.00 Ft	0.9	10.8	
48	L & T CR	H	66.00 Ft	1.4	23.0	
50	PATCHING	M	4.00 SqFt	0.1	6.2	anchor
50	PATCHING	M	4.00 SqFt	0.1	6.2	anchor
50	PATCHING	M	4.00 SqFt	0.1	6.2	anchor
57	WEATHERING	L	4711.00 SqFt	100.0	6.0	

Sample Number:	25	Type:	R	Area:	4711.00 SqFt	PCI:	66
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Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
48	L & T CR	M	43.00 Ft	0.9	10.8	
49	OIL SPILLAGE	N	2.00 SqFt	0.0	2.0	
49	OIL SPILLAGE	N	8.00 SqFt	0.2	2.3	

49	OIL SPILLAGE	N	6.00	SqFt	0.1	2.1	
49	OIL SPILLAGE	N	2.00	SqFt	0.0	2.0	
49	OIL SPILLAGE	N	12.00	SqFt	0.3	2.7	
49	OIL SPILLAGE	N	2.00	SqFt	0.0	2.0	
49	OIL SPILLAGE	N	12.00	SqFt	0.3	2.7	
49	OIL SPILLAGE	N	8.00	SqFt	0.2	2.3	
50	PATCHING	M	4.00	SqFt	0.1	6.2	anchor
50	PATCHING	M	4.00	SqFt	0.1	6.2	anchor
50	PATCHING	M	4.00	SqFt	0.1	6.2	anchor
57	WEATHERING	M	4711.00	SqFt	100.0	20.3	

Sample Number: 27 **Type:** R **Area:** 7679.00 SqFt **PCI:** 59
Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
48	L & T CR	M	8.00 Ft	0.1	4.0	
48	L & T CR	M	50.00 Ft	0.7	9.3	
48	L & T CR	M	145.00 Ft	1.9	15.3	
48	L & T CR	M	50.00 Ft	0.7	9.3	
48	L & T CR	M	24.00 Ft	0.3	6.6	
48	L & T CR	M	145.00 Ft	1.9	15.3	
48	L & T CR	M	18.00 Ft	0.2	5.6	
49	OIL SPILLAGE	N	8.00 SqFt	0.1	2.0	
49	OIL SPILLAGE	N	6.00 SqFt	0.1	2.0	
49	OIL SPILLAGE	N	24.00 SqFt	0.3	2.9	
49	OIL SPILLAGE	N	49.00 SqFt	0.6	3.2	
50	PATCHING	M	4.00 SqFt	0.1	6.2	anchor
50	PATCHING	M	4.00 SqFt	0.1	6.2	anchor
50	PATCHING	M	4.00 SqFt	0.1	6.2	anchor
50	PATCHING	M	4.00 SqFt	0.1	6.2	anchor
57	WEATHERING	M	7679.00 SqFt	100.0	20.3	

Sample Number: 44 **Type:** R **Area:** 4659.00 SqFt **PCI:** 71
Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
48	L & T CR	M	14.00 Ft	0.3	6.5	
48	L & T CR	M	44.00 Ft	0.9	11.0	
48	L & T CR	M	6.00 Ft	0.1	4.1	
48	L & T CR	M	14.00 Ft	0.3	6.5	
48	L & T CR	M	14.00 Ft	0.3	6.5	
48	L & T CR	M	14.00 Ft	0.3	6.5	
48	L & T CR	M	17.00 Ft	0.4	7.2	
48	L & T CR	M	33.00 Ft	0.7	9.7	

48	L & T CR	M	33.00	Ft	0.7	9.7
48	L & T CR	M	14.00	Ft	0.3	6.5
57	WEATHERING	L	4659.00	SqFt	100.0	6.0

Sample Number: 46

Type: A

Area: 4370.00 SqFt

PCI: 70

Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
48	L & T CR	M	28.00	Ft	0.6	9.2
48	L & T CR	M	68.00	Ft	1.6	13.8
48	L & T CR	M	22.00	Ft	0.5	8.3
48	L & T CR	M	25.00	Ft	0.6	8.8
48	L & T CR	H	25.00	Ft	0.6	15.3
57	WEATHERING	L	4370.00	SqFt	100.0	6.0

Sample Number: 52

Type: R

Area: 2235.00 SqFt

PCI: 72

Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
48	L & T CR	M	8.00	Ft	0.4	7.1
48	L & T CR	M	5.00	Ft	0.2	5.5
48	L & T CR	M	35.00	Ft	1.6	13.9
48	L & T CR	M	20.00	Ft	0.9	10.7
50	PATCHING	L	8.00	SqFt	0.4	2.2 anchor
50	PATCHING	L	4.00	SqFt	0.2	2.0 anchor
50	PATCHING	L	4.00	SqFt	0.2	2.0 anchor
57	WEATHERING	L	2235.00	SqFt	100.0	6.0

Sample Number: 56

Type: R

Area: 2673.00 SqFt

PCI: 64

Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
48	L & T CR	M	31.00	Ft	1.2	12.0
48	L & T CR	M	6.00	Ft	0.2	5.5
48	L & T CR	M	14.00	Ft	0.5	8.5
48	L & T CR	M	26.00	Ft	1.0	11.1
48	L & T CR	H	24.00	Ft	0.9	18.6
48	L & T CR	H	24.00	Ft	0.9	18.6
57	WEATHERING	L	2673.00	SqFt	100.0	6.0

Network:	N81			Name:	Hammonton							
Branch:	APR		Name:	Apron		Use:	APRON	Area:	253,651 SqFt			
Section:	2	of	2	From:	In Btwn both			To:	APR 1 Sec 1's		Last Const.:	1/1/1900
Surface:	AC		Family:	DEFAULT		Zone:		Category:		Rank:	A	
Area:	147,686 SqFt		Length:	1,102 Ft		Width:	134 Ft					
Slabs:			Slab Length:	Ft		Slab Width:	Ft		Joint Length:	134 Ft		
Shoulder:			Street Type:			Grade:	0		Lanes:	0		
Section Comments:												
Work Date:	1/1/1900			Work Type:	New Construction - Initial			Code:	NC-IN		Is Major M&R:	True
Last Insp. Date:	10/13/2021			TotalSamples:	32			Surveyed:	6			
Conditions:	PCI:	62										
Inspection Comments:												
Sample Number:	12	Type:	R	Area:	4888.00 SqFt			PCI:	62			
Sample Comments:												
Distress	Description	Severity	Quantity	Density	Deduct	Comments						
48	L & T CR	M	35.00 Ft	0.7	9.7							
48	L & T CR	M	35.00 Ft	0.7	9.7							
48	L & T CR	M	16.00 Ft	0.3	6.8							
48	L & T CR	M	145.00 Ft	3.0	19.4							
48	L & T CR	M	35.00 Ft	0.7	9.7							
48	L & T CR	M	35.00 Ft	0.7	9.7							
48	L & T CR	M	35.00 Ft	0.7	9.7							
48	L & T CR	M	20.00 Ft	0.4	7.6							
48	L & T CR	M	42.00 Ft	0.9	10.5							
57	WEATHERING	M	4888.00 SqFt	100.0	20.3							
Sample Number:	14	Type:	R	Area:	4547.00 SqFt			PCI:	56			
Sample Comments:												
Distress	Description	Severity	Quantity	Density	Deduct	Comments						
48	L & T CR	M	47.00 Ft	1.0	11.4							
48	L & T CR	M	77.00 Ft	1.7	14.4							
48	L & T CR	M	90.00 Ft	2.0	15.6							
48	L & T CR	M	13.00 Ft	0.3	6.3							
48	L & T CR	M	13.00 Ft	0.3	6.3							
48	L & T CR	M	30.00 Ft	0.7	9.4							
48	L & T CR	M	13.00 Ft	0.3	6.3							
48	L & T CR	M	13.00 Ft	0.3	6.3							
48	L & T CR	M	20.00 Ft	0.4	7.8							
48	L & T CR	H	50.00 Ft	1.1	20.5							
57	WEATHERING	M	4547.00 SqFt	100.0	20.3							
Sample Number:	33	Type:	R	Area:	3060.00 SqFt			PCI:	64			
Sample Comments:												
Distress	Description	Severity	Quantity	Density	Deduct	Comments						
48	L & T CR	M	26.00 Ft	0.8	10.5							

48	L & T CR	M	35.00	Ft	1.1	11.9	
48	L & T CR	M	20.00	Ft	0.7	9.3	
48	L & T CR	M	75.00	Ft	2.5	17.5	
50	PATCHING	L	4.00	SqFt	0.1	2.0	anchor
50	PATCHING	L	4.00	SqFt	0.1	2.0	anchor
50	PATCHING	M	4.00	SqFt	0.1	6.7	anchor
50	PATCHING	M	4.00	SqFt	0.1	6.7	
57	WEATHERING	M	3060.00	SqFt	100.0	20.3	

Sample Number: 37
Type: R
Area: 4438.00 SqFt
PCI: 59
Sample Comments:

Distress	Description	Severity	Quantity		Density	Deduct	Comments
48	L & T CR	M	33.00	Ft	0.7	9.9	
48	L & T CR	M	27.00	Ft	0.6	9.0	
48	L & T CR	M	42.00	Ft	0.9	11.0	
48	L & T CR	M	33.00	Ft	0.7	9.9	
48	L & T CR	M	6.00	Ft	0.1	4.2	
48	L & T CR	M	140.00	Ft	3.2	20.0	
48	L & T CR	M	33.00	Ft	0.7	9.9	
50	PATCHING	M	4.00	SqFt	0.1	6.2	anchor
50	PATCHING	M	4.00	SqFt	0.1	6.2	anchor
50	PATCHING	M	4.00	SqFt	0.1	6.2	anchor
50	PATCHING	M	4.00	SqFt	0.1	6.2	anchor
50	PATCHING	M	4.00	SqFt	0.1	6.2	anchor
50	PATCHING	M	4.00	SqFt	0.1	6.2	anchor
57	WEATHERING	M	4438.00	SqFt	100.0	20.3	

Sample Number: 40
Type: R
Area: 4418.00 SqFt
PCI: 65
Sample Comments:

Distress	Description	Severity	Quantity		Density	Deduct	Comments
48	L & T CR	M	8.00	Ft	0.2	4.9	
48	L & T CR	M	3.00	Ft	0.1	4.0	
48	L & T CR	M	8.00	Ft	0.2	4.9	
48	L & T CR	M	22.00	Ft	0.5	8.3	
48	L & T CR	M	75.00	Ft	1.7	14.4	
48	L & T CR	M	87.00	Ft	2.0	15.6	
48	L & T CR	M	87.00	Ft	2.0	15.6	
48	L & T CR	M	4.00	Ft	0.1	4.0	
57	WEATHERING	M	4418.00	SqFt	100.0	20.3	

Sample Number: 5
Type: R
Area: 4888.00 SqFt
PCI: 66
Sample Comments:

Distress	Description	Severity	Quantity		Density	Deduct	Comments
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48	L & T CR	M	145.00	Ft	3.0	19.4
48	L & T CR	M	12.00	Ft	0.2	5.8
48	L & T CR	M	11.00	Ft	0.2	5.5
48	L & T CR	M	12.00	Ft	0.2	5.8
48	L & T CR	M	33.00	Ft	0.7	9.5
48	L & T CR	M	60.00	Ft	1.2	12.3
48	L & T CR	M	3.00	Ft	0.1	4.0
48	L & T CR	M	33.00	Ft	0.7	9.5
57	WEATHERING	M	4888.00	SqFt	100.0	20.3

Network:	N81		Name:	Hammonton									
Branch:	RW 3-21		Name:	Runway 3-21		Use:	RUNWAY	Area:	270,010 SqFt				
Section:	1	of	1	From:	RW 3		To:	RW 21		Last Const.:	1/1/1900		
Surface:	AC	Family:	DEFAULT		Zone:		Category:		Rank:	A			
Area:	270,010 SqFt		Length:	3,601 Ft		Width:	75 Ft						
Slabs:	Slab Length:		Ft		Slab Width:	Ft		Joint Length:	Ft				
Shoulder:	Street Type:		Grade:		0		Lanes:	0					
Section Comments:													
Work Date:	1/1/1900		Work Type:				New Construction - Initial		Code:	NC-IN		Is Major M&R:	True
Last Insp. Date:	10/4/2021		TotalSamples:	29		Surveyed:	12						
Conditions:	PCI:	77											
Inspection Comments:													
Sample Number:	1	Type:	R	Area:	5000.00 SqFt		PCI:	80					
Sample Comments:													
Distress	Description	Severity	Quantity	Density	Deduct	Comments							
48	L & T CR	M	35.00 Ft	0.7	9.6								
50	PATCHING	M	2.00 SqFt	0.0	6.2	cores							
57	WEATHERING	L	5000.00 SqFt	100.0	6.0								
Sample Number:	13	Type:	R	Area:	5000.00 SqFt		PCI:	77					
Sample Comments:													
Distress	Description	Severity	Quantity	Density	Deduct	Comments							
48	L & T CR	L	40.00 Ft	0.8	4.6								
48	L & T CR	L	26.00 Ft	0.5	4.1								
48	L & T CR	L	31.00 Ft	0.6	4.3								
48	L & T CR	L	15.00 Ft	0.3	3.6								
48	L & T CR	L	11.00 Ft	0.2	3.2								
48	L & T CR	M	35.00 Ft	0.7	9.6								
48	L & T CR	M	35.00 Ft	0.7	9.6								
57	WEATHERING	L	5000.00 SqFt	100.0	6.0								
Sample Number:	20	Type:	R	Area:	5000.00 SqFt		PCI:	71					
Sample Comments:													
Distress	Description	Severity	Quantity	Density	Deduct	Comments							
48	L & T CR	L	26.00 Ft	0.5	4.1								
48	L & T CR	L	3.00 Ft	0.1	2.5								
48	L & T CR	M	45.00 Ft	0.9	10.7								
48	L & T CR	M	35.00 Ft	0.7	9.6								
48	L & T CR	H	35.00 Ft	0.7	16.7								
50	PATCHING	L	1.00 SqFt	0.0	2.0	core patch							
57	WEATHERING	L	5000.00 SqFt	100.0	6.0								
Sample Number:	25	Type:	R	Area:	5000.00 SqFt		PCI:	79					
Sample Comments:													
Distress	Description	Severity	Quantity	Density	Deduct	Comments							
48	L & T CR	M	30.00 Ft	0.6	9.0								

48	L & T CR	M	35.00	Ft	0.7	9.6	
48	L & T CR	M	35.00	Ft	0.7	9.6	
57	WEATHERING	L	5000.00	SqFt	100.0	6.0	
Sample Number: 31		Type: R	Area:		5000.00 SqFt	PCI: 75	
Sample Comments:							
Distress	Description	Severity	Quantity		Density	Deduct	Comments
48	L & T CR	L	40.00	Ft	0.8	4.6	
48	L & T CR	M	35.00	Ft	0.7	9.6	
48	L & T CR	M	35.00	Ft	0.7	9.6	
48	L & T CR	M	50.00	Ft	1.0	11.2	
57	WEATHERING	L	5000.00	SqFt	100.0	6.0	
Sample Number: 32		Type: R	Area:		5000.00 SqFt	PCI: 79	
Sample Comments:							
Distress	Description	Severity	Quantity		Density	Deduct	Comments
48	L & T CR	L	30.00	Ft	0.6	4.2	
48	L & T CR	M	35.00	Ft	0.7	9.6	
48	L & T CR	M	35.00	Ft	0.7	9.6	
57	WEATHERING	L	5000.00	SqFt	100.0	6.0	
Sample Number: 38		Type: R	Area:		5000.00 SqFt	PCI: 78	
Sample Comments:							
Distress	Description	Severity	Quantity		Density	Deduct	Comments
48	L & T CR	L	12.00	Ft	0.2	3.3	
48	L & T CR	L	14.00	Ft	0.3	3.5	
48	L & T CR	L	7.00	Ft	0.1	2.6	
48	L & T CR	L	12.00	Ft	0.2	3.3	
48	L & T CR	M	3.00	Ft	0.1	4.0	
48	L & T CR	M	35.00	Ft	0.7	9.6	
48	L & T CR	M	35.00	Ft	0.7	9.6	
57	WEATHERING	L	5000.00	SqFt	100.0	6.0	
Sample Number: 43		Type: R	Area:		5000.00 SqFt	PCI: 71	
Sample Comments:							
Distress	Description	Severity	Quantity		Density	Deduct	Comments
48	L & T CR	L	30.00	Ft	0.6	4.2	
48	L & T CR	M	30.00	Ft	0.6	9.0	
48	L & T CR	M	15.00	Ft	0.3	6.5	
48	L & T CR	M	40.00	Ft	0.8	10.2	
48	L & T CR	M	35.00	Ft	0.7	9.6	
48	L & T CR	H	35.00	Ft	0.7	16.7	
57	WEATHERING	L	5000.00	SqFt	100.0	6.0	
Sample Number: 48		Type: R	Area:		5000.00 SqFt	PCI: 73	
Sample Comments:							

Distress	Description	Severity	Quantity	Density	Deduct	Comments
48	L & T CR	L	8.00 Ft	0.2	2.8	
48	L & T CR	M	4.00 Ft	0.1	4.0	
48	L & T CR	M	32.00 Ft	0.6	9.2	
48	L & T CR	M	34.00 Ft	0.7	9.5	
48	L & T CR	M	40.00 Ft	0.8	10.2	
48	L & T CR	H	35.00 Ft	0.7	16.7	
57	WEATHERING	L	5000.00 SqFt	100.0	6.0	

Sample Number: 5
Type: R
Area: 5000.00 SqFt
PCI: 84

Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
48	L & T CR	M	35.00 Ft	0.7	9.6	
48	L & T CR	M	14.00 Ft	0.3	6.2	
57	WEATHERING	L	5000.00 SqFt	100.0	6.0	

Sample Number: 53
Type: R
Area: 5000.00 SqFt
PCI: 83

Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
48	L & T CR	L	12.00 Ft	0.2	3.3	
48	L & T CR	L	7.00 Ft	0.1	2.6	
48	L & T CR	M	35.00 Ft	0.7	9.6	
57	WEATHERING	L	5000.00 SqFt	100.0	6.0	

Sample Number: 8
Type: R
Area: 5000.00 SqFt
PCI: 71

Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
48	L & T CR	M	4.00 Ft	0.1	4.0	
48	L & T CR	H	35.00 Ft	0.7	16.7	
48	L & T CR	H	35.00 Ft	0.7	16.7	
57	WEATHERING	L	5000.00 SqFt	100.0	6.0	

Network:	N81			Name:	Hammonton							
Branch:	TW A		Name:	Taxiway A		Use:	TAXIWAY	Area:	152,837 SqFt			
Section:	1	of	1	From:	RW 3			To:	RW 21		Last Const.:	1/1/1900
Surface:	AC		Family:	DEFAULT		Zone:		Category:		Rank:	A	
Area:	152,837 SqFt		Length:	3,821 Ft		Width:	40 Ft					
Slabs:			Slab Length:	Ft		Slab Width:	Ft		Joint Length:	Ft		
Shoulder:			Street Type:			Grade:	0		Lanes:	0		
Section Comments:												
Work Date:	1/1/1900			Work Type:	New Construction - Initial			Code:	NC-IN		Is Major M&R:	True
Last Insp. Date:	10/13/2021			TotalSamples:	29			Surveyed:	10			
Conditions:	PCI:	48										
Inspection Comments:												
Sample Number:	1	Type:	R	Area:	3184.00 SqFt			PCI:	56			
Sample Comments:												
Distress	Description	Severity	Quantity	Density	Deduct	Comments						
43	BLOCK CR	M	288.00 SqFt	9.0	22.7							
48	L & T CR	M	12.00 Ft	0.4	7.3							
48	L & T CR	M	23.00 Ft	0.7	9.7							
48	L & T CR	M	16.00 Ft	0.5	8.3							
48	L & T CR	M	16.00 Ft	0.5	8.3							
48	L & T CR	M	46.00 Ft	1.4	13.3							
48	L & T CR	M	11.00 Ft	0.3	7.0							
48	L & T CR	M	9.00 Ft	0.3	6.3							
48	L & T CR	M	40.00 Ft	1.3	12.5							
48	L & T CR	M	11.00 Ft	0.3	7.0							
48	L & T CR	M	12.00 Ft	0.4	7.3							
48	L & T CR	M	9.00 Ft	0.3	6.3							
48	L & T CR	H	12.00 Ft	0.4	12.9							
57	WEATHERING	L	1592.00 SqFt	50.0	4.8							
Sample Number:	10	Type:	R	Area:	5469.00 SqFt			PCI:	52			
Sample Comments:												
Distress	Description	Severity	Quantity	Density	Deduct	Comments						
43	BLOCK CR	M	1050.00 SqFt	19.2	29.1							
43	BLOCK CR	M	952.00 SqFt	17.4	28.1							
48	L & T CR	L	5.00 Ft	0.1	2.5							
48	L & T CR	L	7.00 Ft	0.1	2.6							
48	L & T CR	M	11.00 Ft	0.2	5.2							
48	L & T CR	M	28.00 Ft	0.5	8.4							
48	L & T CR	M	13.00 Ft	0.2	5.7							
48	L & T CR	M	27.00 Ft	0.5	8.2							
48	L & T CR	M	10.00 Ft	0.2	4.9							
48	L & T CR	M	11.00 Ft	0.2	5.2							

48	L & T CR	M	27.00	Ft	0.5	8.2	
48	L & T CR	M	30.00	Ft	0.5	8.6	
48	L & T CR	M	43.00	Ft	0.8	10.1	
48	L & T CR	M	36.00	Ft	0.7	9.4	
48	L & T CR	M	43.00	Ft	0.8	10.1	
48	L & T CR	M	11.00	Ft	0.2	5.2	
50	PATCHING	L	1.00	SqFt	0.0	2.0	core
57	WEATHERING	L	2734.50	SqFt	50.0	4.8	

Sample Number: 13 **Type:** A **Area:** 5469.00 SqFt **PCI:** 40

Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
43	BLOCK CR	M	2730.00	SqFt	49.9	40.8
43	BLOCK CR	M	600.00	SqFt	11.0	24.2
50	PATCHING	M	1080.00	SqFt	19.7	37.7
57	WEATHERING	L	2734.50	SqFt	50.0	4.8

Sample Number: 16 **Type:** R **Area:** 5469.00 SqFt **PCI:** 45

Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
43	BLOCK CR	M	120.00	SqFt	2.2	14.9
43	BLOCK CR	M	2053.00	SqFt	37.5	36.8
43	BLOCK CR	M	380.00	SqFt	6.9	20.9
48	L & T CR	M	38.00	Ft	0.7	9.6
48	L & T CR	H	10.00	Ft	0.2	9.9
57	WEATHERING	L	2734.50	SqFt	50.0	4.8

Sample Number: 19 **Type:** R **Area:** 5469.00 SqFt **PCI:** 45

Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
43	BLOCK CR	M	1350.00	SqFt	24.7	31.7
43	BLOCK CR	M	700.00	SqFt	12.8	25.4
48	L & T CR	L	10.00	Ft	0.2	3.0
48	L & T CR	M	20.00	Ft	0.4	7.2
48	L & T CR	M	12.00	Ft	0.2	5.4
48	L & T CR	M	20.00	Ft	0.4	7.2
48	L & T CR	M	40.00	Ft	0.7	9.8
48	L & T CR	M	4.00	Ft	0.1	4.0
48	L & T CR	M	65.00	Ft	1.2	12.2
48	L & T CR	M	10.00	Ft	0.2	4.9
48	L & T CR	M	3.00	Ft	0.1	4.0
48	L & T CR	M	3.00	Ft	0.1	4.0
48	L & T CR	M	1.00	Ft	0.0	4.0

48	L & T CR	M	4.00	Ft	0.1	4.0
48	L & T CR	M	10.00	Ft	0.2	4.9
48	L & T CR	M	2.00	Ft	0.0	4.0
48	L & T CR	M	6.00	Ft	0.1	4.0
48	L & T CR	M	25.00	Ft	0.5	8.0
48	L & T CR	M	5.00	Ft	0.1	4.0
48	L & T CR	M	2.00	Ft	0.0	4.0
48	L & T CR	M	6.00	Ft	0.1	4.0
48	L & T CR	M	20.00	Ft	0.4	7.2
48	L & T CR	M	12.00	Ft	0.2	5.4
48	L & T CR	M	12.00	Ft	0.2	5.4
48	L & T CR	M	4.00	Ft	0.1	4.0
48	L & T CR	M	6.00	Ft	0.1	4.0
48	L & T CR	M	6.00	Ft	0.1	4.0
48	L & T CR	H	12.00	Ft	0.2	10.6
48	L & T CR	H	20.00	Ft	0.4	12.8
48	L & T CR	H	10.00	Ft	0.2	9.9
57	WEATHERING	L	2734.50	SqFt	50.0	4.8

Sample Number: 22

Type: R

Area: 5469.00 SqFt

PCI: 47

Sample Comments:

Distress	Description	Severity	Quantity		Density	Deduct	Comments
43	BLOCK CR	M	1350.00	SqFt	24.7	31.7	
43	BLOCK CR	M	950.00	SqFt	17.4	28.1	
48	L & T CR	M	33.00	Ft	0.6	9.0	
48	L & T CR	M	13.00	Ft	0.2	5.7	
48	L & T CR	M	20.00	Ft	0.4	7.2	
48	L & T CR	M	6.00	Ft	0.1	4.0	
48	L & T CR	M	20.00	Ft	0.4	7.2	
48	L & T CR	M	4.00	Ft	0.1	4.0	
48	L & T CR	M	4.00	Ft	0.1	4.0	
48	L & T CR	M	2.00	Ft	0.0	4.0	
48	L & T CR	M	2.00	Ft	0.0	4.0	
48	L & T CR	M	4.00	Ft	0.1	4.0	
48	L & T CR	M	11.00	Ft	0.2	5.2	
48	L & T CR	M	6.00	Ft	0.1	4.0	
48	L & T CR	M	24.00	Ft	0.4	7.8	
48	L & T CR	M	20.00	Ft	0.4	7.2	
48	L & T CR	M	20.00	Ft	0.4	7.2	
48	L & T CR	M	20.00	Ft	0.4	7.2	
48	L & T CR	M	6.00	Ft	0.1	4.0	

48	L & T CR	M	6.00	Ft	0.1	4.0
48	L & T CR	M	2.00	Ft	0.0	4.0
48	L & T CR	H	20.00	Ft	0.4	12.8
48	L & T CR	H	20.00	Ft	0.4	12.8
48	L & T CR	H	10.00	Ft	0.2	9.9
57	WEATHERING	L	2734.50	SqFt	50.0	4.8

Sample Number: 25
Type: R
Area: 5469.00 SqFt
PCI: 46

Sample Comments:

Distress	Description	Severity	Quantity		Density	Deduct	Comments
43	BLOCK CR	M	1350.00	SqFt	24.7	31.7	
43	BLOCK CR	M	1080.00	SqFt	19.7	29.4	
48	L & T CR	M	5.00	Ft	0.1	4.0	
48	L & T CR	M	6.00	Ft	0.1	4.0	
48	L & T CR	M	14.00	Ft	0.3	5.9	
48	L & T CR	M	12.00	Ft	0.2	5.4	
48	L & T CR	M	3.00	Ft	0.1	4.0	
48	L & T CR	M	5.00	Ft	0.1	4.0	
48	L & T CR	M	6.00	Ft	0.1	4.0	
48	L & T CR	M	8.00	Ft	0.1	4.3	
48	L & T CR	M	6.00	Ft	0.1	4.0	
48	L & T CR	M	20.00	Ft	0.4	7.2	
48	L & T CR	M	16.00	Ft	0.3	6.4	
48	L & T CR	M	20.00	Ft	0.4	7.2	
48	L & T CR	M	15.00	Ft	0.3	6.2	
48	L & T CR	M	3.00	Ft	0.1	4.0	
48	L & T CR	M	10.00	Ft	0.2	4.9	
48	L & T CR	M	3.00	Ft	0.1	4.0	
48	L & T CR	H	20.00	Ft	0.4	12.8	
48	L & T CR	H	20.00	Ft	0.4	12.8	
48	L & T CR	H	20.00	Ft	0.4	12.8	
57	WEATHERING	L	2734.50	SqFt	50.0	4.8	

Sample Number: 28
Type: R
Area: 4235.00 SqFt
PCI: 41

Sample Comments:

Distress	Description	Severity	Quantity		Density	Deduct	Comments
43	BLOCK CR	M	494.00	SqFt	11.7	24.6	
43	BLOCK CR	M	2117.00	SqFt	50.0	40.9	
48	L & T CR	L	15.00	Ft	0.4	3.8	
48	L & T CR	L	6.00	Ft	0.1	2.7	
48	L & T CR	M	3.00	Ft	0.1	4.0	
48	L & T CR	M	7.00	Ft	0.2	4.6	

48	L & T CR	M	6.00	Ft	0.1	4.3
48	L & T CR	M	8.00	Ft	0.2	5.0
48	L & T CR	M	7.00	Ft	0.2	4.6
48	L & T CR	M	8.00	Ft	0.2	5.0
48	L & T CR	M	97.00	Ft	2.3	16.9
48	L & T CR	M	3.00	Ft	0.1	4.0
48	L & T CR	M	9.00	Ft	0.2	5.3
48	L & T CR	M	3.00	Ft	0.1	4.0
48	L & T CR	M	19.00	Ft	0.4	7.9
48	L & T CR	M	6.00	Ft	0.1	4.3
48	L & T CR	H	9.00	Ft	0.2	10.4
57	WEATHERING	L	2117.50	SqFt	50.0	4.8

Sample Number: 4
Type: R
Area: 5469.00 SqFt
PCI: 62

Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
48	L & T CR	L	11.00	Ft	0.2	3.1
48	L & T CR	L	7.00	Ft	0.1	2.6
48	L & T CR	L	10.00	Ft	0.2	3.0
48	L & T CR	M	87.00	Ft	1.6	14.0
48	L & T CR	M	14.00	Ft	0.3	5.9
48	L & T CR	M	40.00	Ft	0.7	9.8
48	L & T CR	M	20.00	Ft	0.4	7.2
48	L & T CR	M	12.00	Ft	0.2	5.4
48	L & T CR	M	10.00	Ft	0.2	4.9
48	L & T CR	M	10.00	Ft	0.2	4.9
48	L & T CR	M	11.00	Ft	0.2	5.2
48	L & T CR	M	10.00	Ft	0.2	4.9
48	L & T CR	M	6.00	Ft	0.1	4.0
48	L & T CR	M	6.00	Ft	0.1	4.0
48	L & T CR	M	28.00	Ft	0.5	8.4
48	L & T CR	M	10.00	Ft	0.2	4.9
48	L & T CR	M	11.00	Ft	0.2	5.2
48	L & T CR	H	30.00	Ft	0.5	15.0
50	PATCHING	L	1.00	SqFt	0.0	2.0 core
57	WEATHERING	L	2734.50	SqFt	50.0	4.8

Sample Number: 7
Type: R
Area: 5469.00 SqFt
PCI: 44

Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
43	BLOCK CR	M	4922.00	SqFt	90.0	50.9
57	WEATHERING	L	2734.50	SqFt	50.0	4.8

Network:	N81			Name:	Hammonton							
Branch:	TW B		Name:	Taxiway B		Use:	TAXIWAY	Area:	6,450 SqFt			
Section:	1	of	1	From:	TW A near RW 3			To:	RW 3	Last Const.:	1/1/1900	
Surface:	AC	Family:	DEFAULT		Zone:				Category:	Rank: A		
Area:	6,450 SqFt	Length:	161 Ft		Width:	40 Ft						
Slabs:	Slab Length:		Ft		Slab Width:		Ft		Joint Length:		Ft	
Shoulder:	Street Type:				Grade:	0			Lanes:	0		
Section Comments:												
Work Date:	1/1/1900			Work Type: New Construction - Initial				Code:	NC-IN		Is Major M&R:	True
Last Insp. Date:	10/4/2021			TotalSamples:	2		Surveyed: 2					
Conditions:	PCI:	49										
Inspection Comments:												
Sample Number:	1	Type:	R	Area:	3385.00 SqFt			PCI:	46			
Sample Comments:												
Distress	Description	Severity	Quantity	Density	Deduct	Comments						
43	BLOCK CR	M	392.00 SqFt	11.6	24.6							
43	BLOCK CR	M	180.00 SqFt	5.3	19.3							
48	L & T CR	M	36.00 Ft	1.1	11.6							
48	L & T CR	M	7.00 Ft	0.2	5.2							
48	L & T CR	M	16.00 Ft	0.5	8.1							
48	L & T CR	M	12.00 Ft	0.4	7.1							
48	L & T CR	M	26.00 Ft	0.8	10.0							
48	L & T CR	M	12.00 Ft	0.4	7.1							
48	L & T CR	M	7.00 Ft	0.2	5.2							
48	L & T CR	M	7.00 Ft	0.2	5.2							
48	L & T CR	M	25.00 Ft	0.7	9.8							
48	L & T CR	M	6.00 Ft	0.2	4.8							
48	L & T CR	M	17.00 Ft	0.5	8.3							
48	L & T CR	M	28.00 Ft	0.8	10.3							
48	L & T CR	H	26.00 Ft	0.8	17.4							
48	L & T CR	H	33.00 Ft	1.0	19.4							
57	WEATHERING	L	1692.50 SqFt	50.0	4.8							
Sample Number:	2	Type:	R	Area:	3065.00 SqFt			PCI:	53			
Sample Comments:												
Distress	Description	Severity	Quantity	Density	Deduct	Comments						
43	BLOCK CR	M	176.00 SqFt	5.7	19.7							
48	L & T CR	M	43.00 Ft	1.4	13.2							
48	L & T CR	M	24.00 Ft	0.8	10.1							
48	L & T CR	M	24.00 Ft	0.8	10.1							
48	L & T CR	M	24.00 Ft	0.8	10.1							
48	L & T CR	M	5.00 Ft	0.2	4.6							
48	L & T CR	M	23.00 Ft	0.8	9.9							

48	L & T CR	H	42.00	Ft	1.4	22.7
48	L & T CR	H	18.00	Ft	0.6	15.4
57	WEATHERING	L	1532.50	SqFt	50.0	4.8

Network:	N81		Name:	Hammonton					
Branch:	TW C		Name:	Taxiway C		Use:	TAXIWAY	Area:	9,089 SqFt
Section:	1	of	1	From:	APR		To:	RW 3-21	
Surface:	AC	Family:	DEFAULT		Zone:		Category:		
Area:	9,089 SqFt	Length:	227 Ft		Width:	40 Ft			
Slabs:		Slab Length:	Ft	Slab Width:	Ft	Joint Length:	Ft		
Shoulder:		Street Type:		Grade:	0	Lanes:	0		
Section Comments:									
Work Date:	1/1/1900		Work Type: New Construction - Initial				Code:	NC-IN	
Last Insp. Date:		10/13/2021		TotalSamples:	3		Surveyed: 2		
Conditions:	PCI:	53							
Inspection Comments:									
Sample Number:	2	Type:	R	Area:	2864.00 SqFt		PCI:	60	
Sample Comments:									
Distress	Description	Severity	Quantity	Density	Deduct	Comments			
48	L & T CR	M	26.00 Ft	0.9	10.8				
48	L & T CR	M	40.00 Ft	1.4	13.1				
48	L & T CR	M	6.00 Ft	0.2	5.3				
48	L & T CR	M	13.00 Ft	0.5	7.9				
48	L & T CR	M	6.00 Ft	0.2	5.3				
48	L & T CR	M	7.00 Ft	0.2	5.8				
48	L & T CR	M	5.00 Ft	0.2	4.8				
48	L & T CR	M	16.00 Ft	0.6	8.7				
48	L & T CR	M	3.00 Ft	0.1	4.0				
48	L & T CR	M	15.00 Ft	0.5	8.5				
48	L & T CR	M	8.00 Ft	0.3	6.2				
48	L & T CR	M	7.00 Ft	0.2	5.8				
48	L & T CR	M	6.00 Ft	0.2	5.3				
48	L & T CR	M	12.00 Ft	0.4	7.7				
48	L & T CR	M	5.00 Ft	0.2	4.8				
48	L & T CR	M	4.00 Ft	0.1	4.2				
48	L & T CR	M	5.00 Ft	0.2	4.8				
48	L & T CR	M	5.00 Ft	0.2	4.8				
48	L & T CR	M	7.00 Ft	0.2	5.8				
48	L & T CR	H	9.00 Ft	0.3	12.0				
48	L & T CR	H	15.00 Ft	0.5	14.7				
48	L & T CR	H	13.00 Ft	0.5	13.9				
57	WEATHERING	L	1432.00 SqFt	50.0	4.8				
Sample Number:	3	Type:	R	Area:	2931.00 SqFt		PCI:	47	
Sample Comments:									
Distress	Description	Severity	Quantity	Density	Deduct	Comments			
41	ALLIGATOR CR	M	9.00 SqFt	0.3	18.8				

43	BLOCK CR	M	16.00	SqFt	0.5	10.2
43	BLOCK CR	M	10.00	SqFt	0.3	9.1
43	BLOCK CR	M	6.00	SqFt	0.2	8.2
43	BLOCK CR	M	180.00	SqFt	6.1	20.1
43	BLOCK CR	M	104.00	SqFt	3.5	17.1
48	L & T CR	M	16.00	Ft	0.5	8.6
48	L & T CR	M	16.00	Ft	0.5	8.6
48	L & T CR	M	22.00	Ft	0.8	9.9
48	L & T CR	H	40.00	Ft	1.4	22.7
48	L & T CR	H	40.00	Ft	1.4	22.7
57	WEATHERING	L	1465.50	SqFt	50.0	4.8

Network:	N81		Name:	Hammonton								
Branch:	TW D		Name:	Taxiway D		Use:	TAXIWAY	Area:	3,079 SqFt			
Section:	1	of	1	From:	APR		To:	TW A		Last Const.:	1/1/1900	
Surface:	AC		Family:	DEFAULT		Zone:			Category:	Rank: A		
Area:	3,079 SqFt		Length:	44 Ft		Width:	70 Ft					
Slabs:			Slab Length:	Ft		Slab Width:	Ft		Joint Length:	Ft		
Shoulder:			Street Type:			Grade:	0		Lanes:	0		
Section Comments:												
Work Date:	1/1/1900		Work Type:	New Construction - Initial				Code:	NC-IN		Is Major M&R:	True
Last Insp. Date:	10/13/2021		TotalSamples:	1		Surveyed:	1					
Conditions:	PCI: 72											
Inspection Comments:												
Sample Number:	1	Type:	R	Area:	3079.00 SqFt		PCI:	72				
Sample Comments:												

Distress	Description	Severity	Quantity	Density	Deduct	Comments
48	L & T CR	M	5.00 Ft	0.2	4.6	
48	L & T CR	M	44.00 Ft	1.4	13.3	
48	L & T CR	M	19.00 Ft	0.6	9.1	
48	L & T CR	M	24.00 Ft	0.8	10.1	
48	L & T CR	M	32.00 Ft	1.0	11.4	
57	WEATHERING	M	3079.00 SqFt	100.0	20.3	

Extrapolated Distress Data by Section

BRANCH ID	SECTION ID	SHORT DESCRIPTION	DISTRESS ID	DISTRESS SEVERITY	DISTRESS QUANTITY	DISTRESS UNITS	PCI DEDUCT	DENSITY (%)	DISTRESS MECHANISM
Runway 3-21	1	L & T CR	48	High	788	Ft	11.7	0.3	Climate/Durability
		L & T CR	48	Low	1458	Ft	4.1	0.5	Climate/Durability
		L & T CR	48	Medium	3897	Ft	13.3	1.4	Climate/Durability
		PATCHING	50	Low	5	SqFt	2.0	0.0	Climate/Durability
		PATCHING	50	Medium	9	SqFt	6.2	0.0	Climate/Durability
Taxiway A	1	WEATHERING	57	Low	270010	SqFt	6.0	100.0	Climate/Durability
		BLOCK CRACKING	43	Medium	65099	SqFt	38.5	42.6	Climate/Durability
		L & T CR	48	Low	229	Ft	2.7	0.1	Climate/Durability
		L & T CR	48	High	687	Ft	13.8	0.4	Climate/Durability
		L & T CR	48	Medium	5343	Ft	21.2	3.5	Climate/Durability
		PATCHING	50	Low	6	SqFt	2.0	0.0	Climate/Durability
		PATCHING	50	Medium	1080	SqFt	8.6	0.7	Climate/Durability
Taxiway B	1	WEATHERING	57	Low	76419	SqFt	4.8	50.0	Climate/Durability
		BLOCK CRACKING	43	Medium	748	SqFt	24.6	11.6	Climate/Durability
		L & T CR	48	High	119	Ft	26.2	1.8	Climate/Durability
		L & T CR	48	Medium	342	Ft	26.5	5.3	Climate/Durability
Taxiway C	1	WEATHERING	57	Low	3225	SqFt	4.8	50.0	Climate/Durability
		ALLIGATOR CRACKING	41	Medium	14	SqFt	13.5	0.2	Load
		BLOCK CRACKING	43	Medium	496	SqFt	19.4	5.5	Climate/Durability
		L & T CR	48	High	184	Ft	27.3	2.0	Climate/Durability
		L & T CR	48	Medium	392	Ft	23.7	4.3	Climate/Durability
Taxiway D	1	WEATHERING	57	Low	4545	SqFt	4.8	50.0	Climate/Durability
		L & T CR	48	Medium	124	Ft	22.9	4.0	Climate/Durability
		WEATHERING	57	Medium	3079	SqFt	20.3	100.0	Climate/Durability
Apron	1	WEATHERING	57	Medium	40115	SqFt	13.1	37.9	Climate/Durability
		WEATHERING	57	Low	65850	SqFt	5.3	62.1	Climate/Durability
		L & T CR	48	High	281	Ft	10.0	0.2	Climate/Durability
		L & T CR	48	Medium	10058	Ft	30.2	6.8	Climate/Durability
		PATCHING	50	Low	45	SqFt	2.0	0.0	Climate/Durability
		PATCHING	50	Medium	180	SqFt	6.6	0.1	Climate/Durability
	2	WEATHERING	57	Medium	147686	SqFt	20.3	100.0	Climate/Durability
		WEATHERING	57	Medium	147686	SqFt	20.3	100.0	Climate/Durability
		WEATHERING	57	Medium	147686	SqFt	20.3	100.0	Climate/Durability
		WEATHERING	57	Medium	147686	SqFt	20.3	100.0	Climate/Durability

Asphalt Surfaced Airfields

<u>Pavement Distress</u>	<u>Distress Type</u>
41. Alligator Cracking	Load
42. Bleeding	Other
43. Block Cracking	Climate/Durability
44. Corrugation	Other
45. Depression	Other
46. Jet Blast	Other
47. Joint Reflection Cracking	Climate/Durability
48. Longitudinal/Transverse Cracking	Climate/Durability
49. Oil Spillage	Other
50. Patching	Climate/Durability
51. Polished Aggregate	Other
52. Raveling	Climate/Durability
53. Rutting	Load
54. Shoving	Other
55. Slippage Cracking	Other
56. Swell	Other
57. Weathering	Climate/Durability

Concrete Surfaced Airfields

<u>Pavement Distress</u>	<u>Distress Type</u>
61. Blow Up	Climate/Durability
62. Corner Break	Load
63. Linear Cracking	Load
64. Durability Cracking	Climate/Durability
65. Joint Seal Damage	Climate/Durability
66. Small Patch	Other
67. Large Patch/Utility Cut	Other
68. Popouts	Other
69. Pumping	Other
70. Scaling	Other
71. Faulting	Other
72. Shattered Slab	Load
73. Shrinkage Cracking	Other
74. Joint Spalling	Other
75. Corner Spalling	Other
76. Alkali Silica Reaction (ASR)	Other

Unsurfaced Roads

<u>Pavement Distress</u>	<u>Distress Type</u>
81. Improper Cross Section	Other
82. Inadequate Roadside Drainage	Other
83. Corrugation	Climate/Durability
84. Dust	Other
85. Pothole	Climate/Durability
86. Rutting	Climate/Durability
87. Loose Aggregate	Other