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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

***Lincoln Park Airport (N07)
Lincoln Park, Morris County, New Jersey***



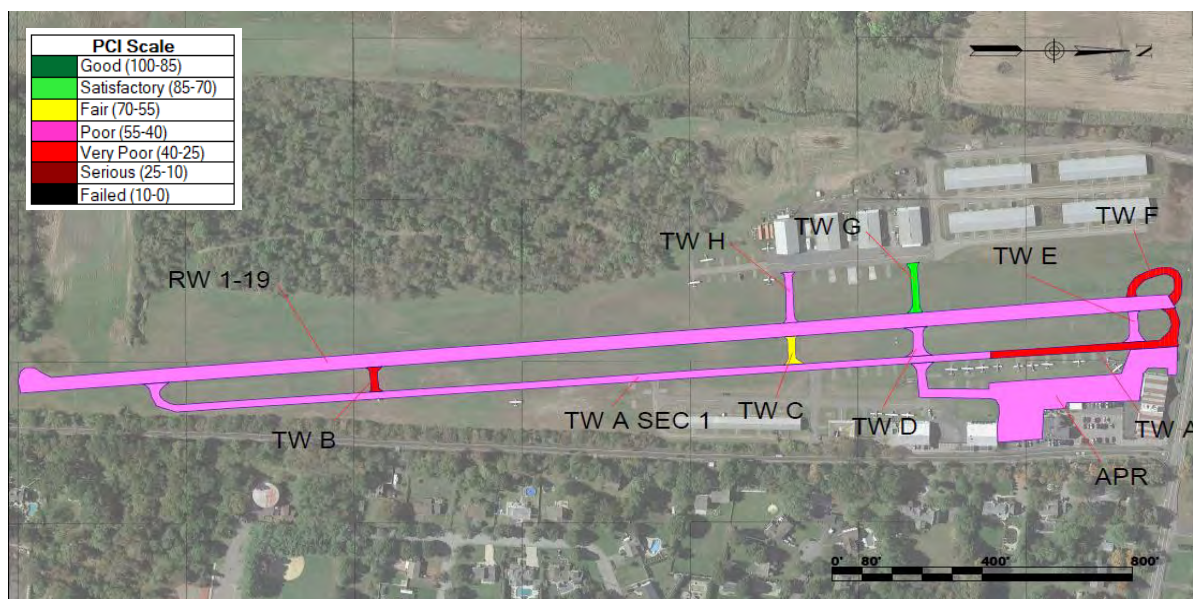
Table of Contents

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 Lincoln Park Airport (N07) was evaluated in July 2021 through a pavement distress survey and the Pavement Condition Index (PCI) was computed. The results were compared to those obtained from the 2014 condition assessment of the N07 airport pavement.

The 2021 distress survey indicated that the runway, taxiway, and apron pavement of airport N07, considered as a whole, is currently in POOR condition with an overall average PCI of 49. This is a 13-point reduction from the overall PCI of 62 (FAIR) found for the airport in 2014. In terms of area, the airport pavement was almost entirely in FAIR condition (96%) with the remaining area split between POOR (2%), SERIOUS (1%), and SATISFACTORY (1%) conditions in 2014. But it deteriorated to being almost entirely in POOR condition (90%), with the remaining area split between VERY POOR (8%), FAIR (1%), and SATISFACTORY (1%) conditions in 2021. With respect to branch type/use, the runway and apron, which were in FAIR condition in 2014, worsened to POOR condition in 2021. The taxiways, which were in majority FAIR condition (87%) in 2014, deteriorated to being mostly split between POOR (66%) and VERY POOR (28%) conditions in 2021.



In terms of distresses observed, the majority of the pavement area is primarily affected by climatic/durability factors. Block cracking and longitudinal & transverse cracking are the predominant distress in most of the airport sections. Alligator cracking (load-related distress) is the predominant distress for Taxiway A Section 1 and Taxiway F. Patching, weathering, and raveling also are significant contributors to PCI deductions. Localized depressions and slippage cracking were also noticed on a couple of sections at N07.



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 7/14/2021 and 7/15/2021 at Lincoln Park Airport (N07) and includes a comparison of the results to those obtained in 2014. The project site is located in Lincoln Park, Morris 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 N07. To this end, the distress survey was conducted on the runway, taxiway, and apron pavement. 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 N07, no M&R activity details were reported to AID at the time of this report. Google Earth imagery was used for mapping on this project and identifying the location of the M&R activity on the pavement. Using Google Earth imagery, it was noticed that there was M&R activity on the apron in late 2019/early 2020, possibly a slurry seal coat.

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 $5000 \text{ SF} \pm 2000 \text{ SF}$ 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 collected PCI data 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 N07 between July 14 and July 15, 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)*, 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 N07, considered as a whole, is currently in the POOR range with an overall average PCI of 49. This is a 13-point reduction from the overall PCI of 62 (FAIR) 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 almost entirely in FAIR condition (96%) with the remaining area split between POOR (2%), SERIOUS (1%), and SATISFACTORY (1%) in 2014. But it deteriorated to being almost entirely in POOR condition (90%), with the remaining area split between VERY POOR (8%), FAIR (1%), and SATISFACTORY (1%) conditions in 2021.

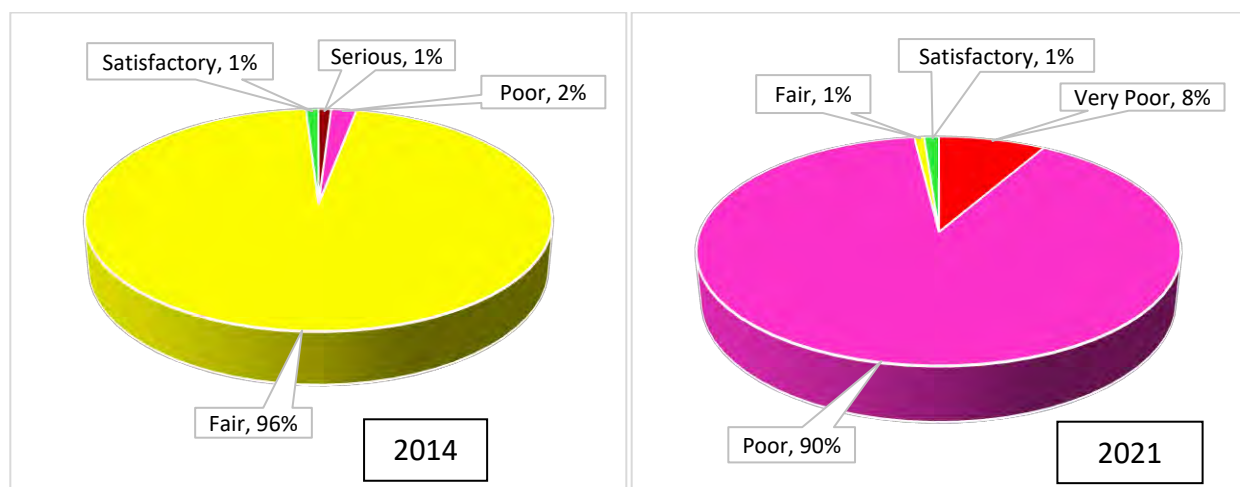


Figure 1. Comparison of Overall N07 PCI Category Breakdown in 2014 and 2021.

Figure 2 shows the PCI category breakdown by branch type in 2014 vs. 2021. The runway and apron, which were in FAIR condition in 2014, worsened to POOR condition in 2021. The taxiways, which were in majority FAIR condition (87%) in 2014, deteriorated to being mostly split between POOR (66%) and VERY POOR (28%) condition in 2021.

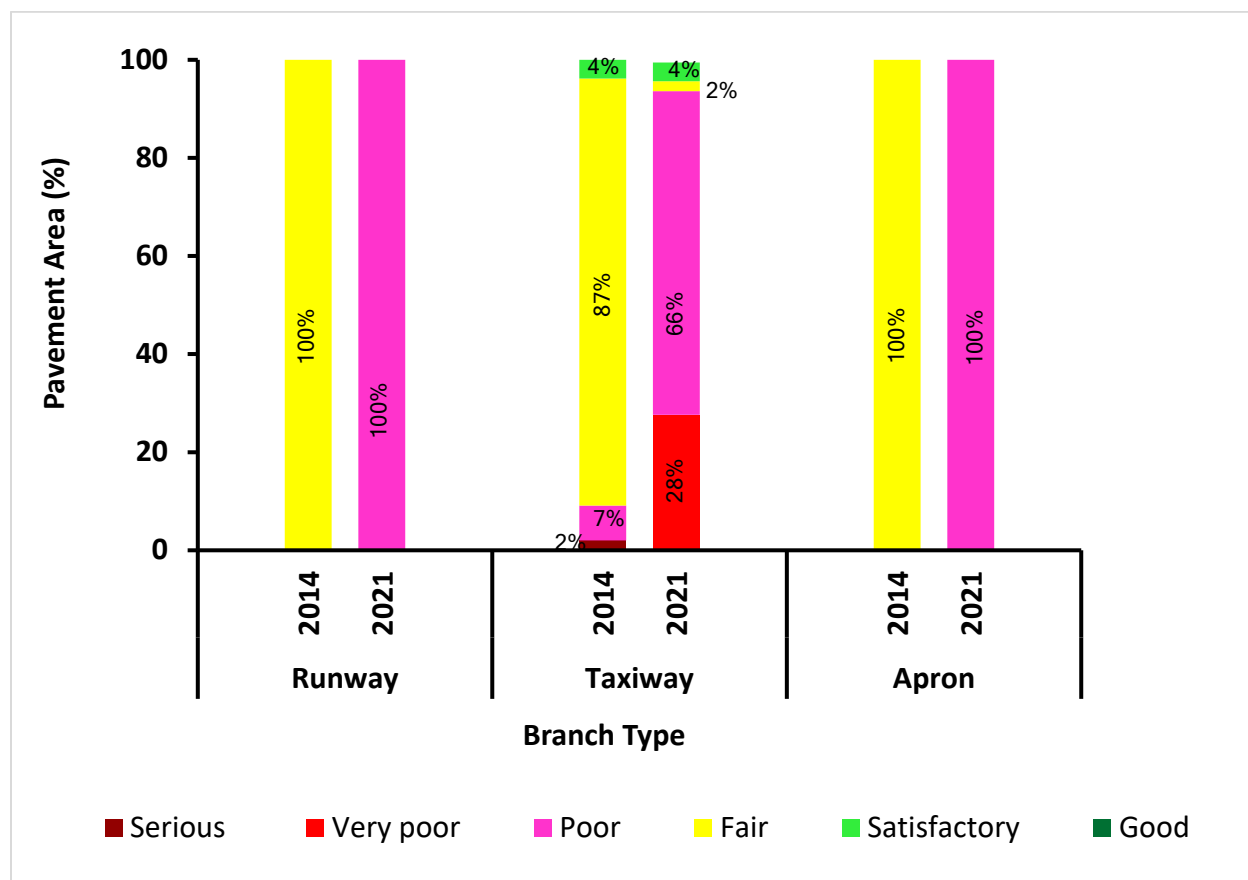


Figure 2. Comparison of PCI Category Breakdown by Branch Use in 2014 and 2021.

Figure 3 shows the weighted average PCI change from 2014 to 2021 to visualize the rate of deterioration. The PCI deterioration rates for the runway, taxiway, and apron pavement were -2.0, -1.9, and -1.2 PCI points/year.

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.

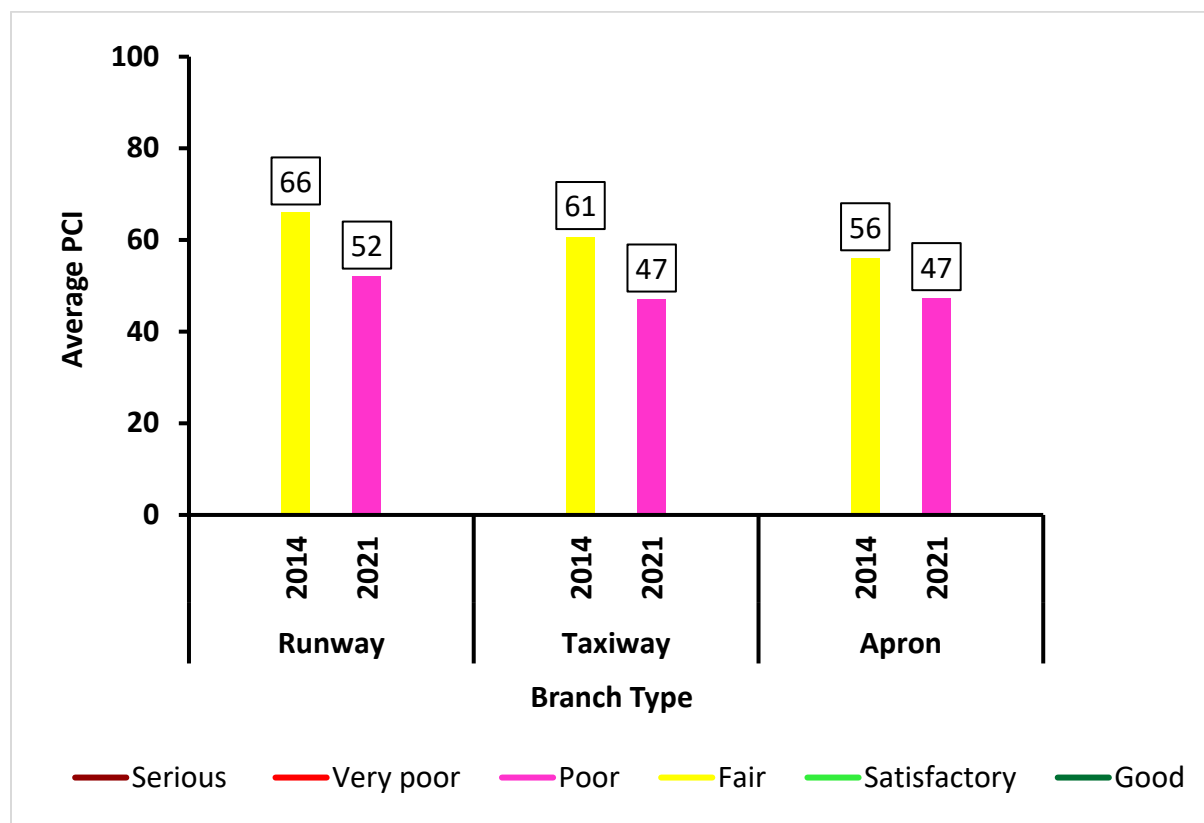


Figure 3. Comparison of Average PCI by Branch Use in 2014 and 2021.

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 observed, the majority of the pavement area is primarily affected by climatic/durability factors. Block cracking and longitudinal & transverse cracking are the predominant distress in most of the airport sections. Alligator cracking (load-related distress) is the predominant distress for Taxiway A Section 1 and Taxiway F. Patching, weathering, and raveling also are significant contributors to PCI deductions. Localized depressions and slippage cracking were also noticed on a couple of sections at N07. 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	Section ID	Surface Type	Total Area (sq. feet)	Total Sample Units	Sample Units Inspected	
					Random	Additional
Runway 1-19	1	AC	127359	21	8	0
Taxiway A	1	AC	47792	9	4	0
	2	AC	12763	3	3	0
Taxiway B	1	AC	1631	1	1	0
Taxiway C	1	AC	2077	1	1	0
Taxiway D	1	AC	2855	1	1	0
Taxiway E	1	AC	2619	1	1	0
Taxiway F	1	AC	5180	1	1	0
Taxiway G	1	AC	3097	1	1	0
Taxiway H	1	AC	3155	1	1	0
Apron	1	AC	59288	12	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 1-19	1	66	Fair	66	Fair	52	Poor	52	Poor	Block cracking
Taxiway A	1	62	Fair	63	Fair	47	Poor	49	Poor	Alligator cracking
	2			58	Fair			39	Very poor	Block cracking
Taxiway B	1	15	Serious	15	Serious	36	Very poor	36	Very poor	Raveling
Taxiway C	1	57	Fair	57	Fair	57	Fair	57	Fair	Longitudinal and transverse cracking
Taxiway D	1	61	Fair	61	Fair	36	Very poor	36	Very poor	Block cracking
Taxiway E	1	42	Poor	42	Poor	42	Poor	42	Poor	Block cracking
Taxiway F	1	70	Fair	70	Fair	40	Very poor	40	Very poor	Alligator cracking
Taxiway G	1	74	Satisfactory	74	Satisfactory	75	Satisfactory	75	Satisfactory	Longitudinal and transverse cracking
Taxiway H	1	48	Poor	48	Poor	50	Poor	50	Poor	Longitudinal and transverse cracking, and patching
Apron	1	56	Fair	56	Fair	47	Poor	47	Poor	Block 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 1-19	1		L/M		L/M	L/M	L/M					
Taxiway A	1	L/M	L/M	L	L/M	L/M	L/H					
	2		L/M		L/M	L/M	M					
Taxiway B	1				L/M	M	M/H					
Taxiway C	1				L/M	L	L					
Taxiway D	1		M			H	L/M					
Taxiway E	1		M				M					
Taxiway F	1	M		M	M		L/M			N/A		
Taxiway G	1				L/M		L					
Taxiway H	1				L/M	M	M					
Apron	1		M		M		L					

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



Condition Photo Log



Photo No: A-1

Airport Code: N07

Branch: RW 1-19

Section: 1

Date: 7/15/2021

Latitude: 40.95187

Longitude: -74.31476

Description: L/M-Block Cracking; M-Weathering



Photo No: A-2

Airport Code: N07

Branch: RW 1-19

Section: 1

Date: 7/15/2021

Latitude: 40.94859

Longitude: -74.31460

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



Photo No: A-3

Airport Code: N07

Branch: RW 1-19

Section: 1

Date: 7/15/2021

Latitude: 40.94739

Longitude: -74.31443

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



Photo No: A-4

Airport Code: N07

Branch: Taxiway A

Section: 1

Date: 7/14/2021

Latitude: 40.94640

Longitude: -74.31402

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



Photo No: A-5

Airport Code: N07

Branch: Taxiway A

Section: 1

Date: 7/14/2021

Latitude: 40.94920

Longitude: -74.31422

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



Photo No: A-6

Airport Code: N07

Branch: Taxiway A

Section: 2

Date: 7/14/2021

Latitude: 40.95129

Longitude: -74.31448

Description: L/M-Block Cracking; M-Weathering



Photo No: A-7

Airport Code: N07

Branch: Taxiway B

Section: 1

Date: 7/15/2021

Latitude: 40.94603

Longitude: -74.31428

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



Photo No: A-7

Airport Code: N07

Branch: Taxiway C

Section: 1

Date: 7/15/2021

Latitude: 40.94914

Longitude: -74.31454

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



Photo No: A-9

Airport Code: N07

Branch: Taxiway D

Section: 1

Date: 7/15/2021

Latitude: 40.95014

Longitude: -74.31461

Description: M-Block Cracking; M-Raveling; H-Patching; L-Weathering



Photo No: A-10

Airport Code: N07

Branch: Taxiway E

Section: 1

Date: 7/15/2021

Latitude: 40.95160

Longitude: -74.31480

Description: M-Block Cracking; M-Weathering



Photo No: A-11

Airport Code: N07

Branch: Taxiway F

Section: 1

Date: 7/15/2021

Latitude: 40.95164

Longitude: -74.31502

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



Photo No: A-12

Airport Code: N07

Branch: Taxiway G

Section: 1

Date: 7/15/2021

Latitude: 40.94991

Longitude: -74.31506

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



Photo No: A-13

Airport Code: N07

Branch: Taxiway H

Section: 1

Date: 7/15/2021

Latitude: 40.94922

Longitude: -74.31463

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



Photo No: A-14

Airport Code: N07

Branch: Apron

Section: 1

Date: 7/14/2021

Latitude: 40.95159

Longitude: -74.31393

Description: M-Block Cracking; L-Raveling



Photo No: A-15

Airport Code: N07

Branch: Apron

Section: 1

Date: 7/14/2021

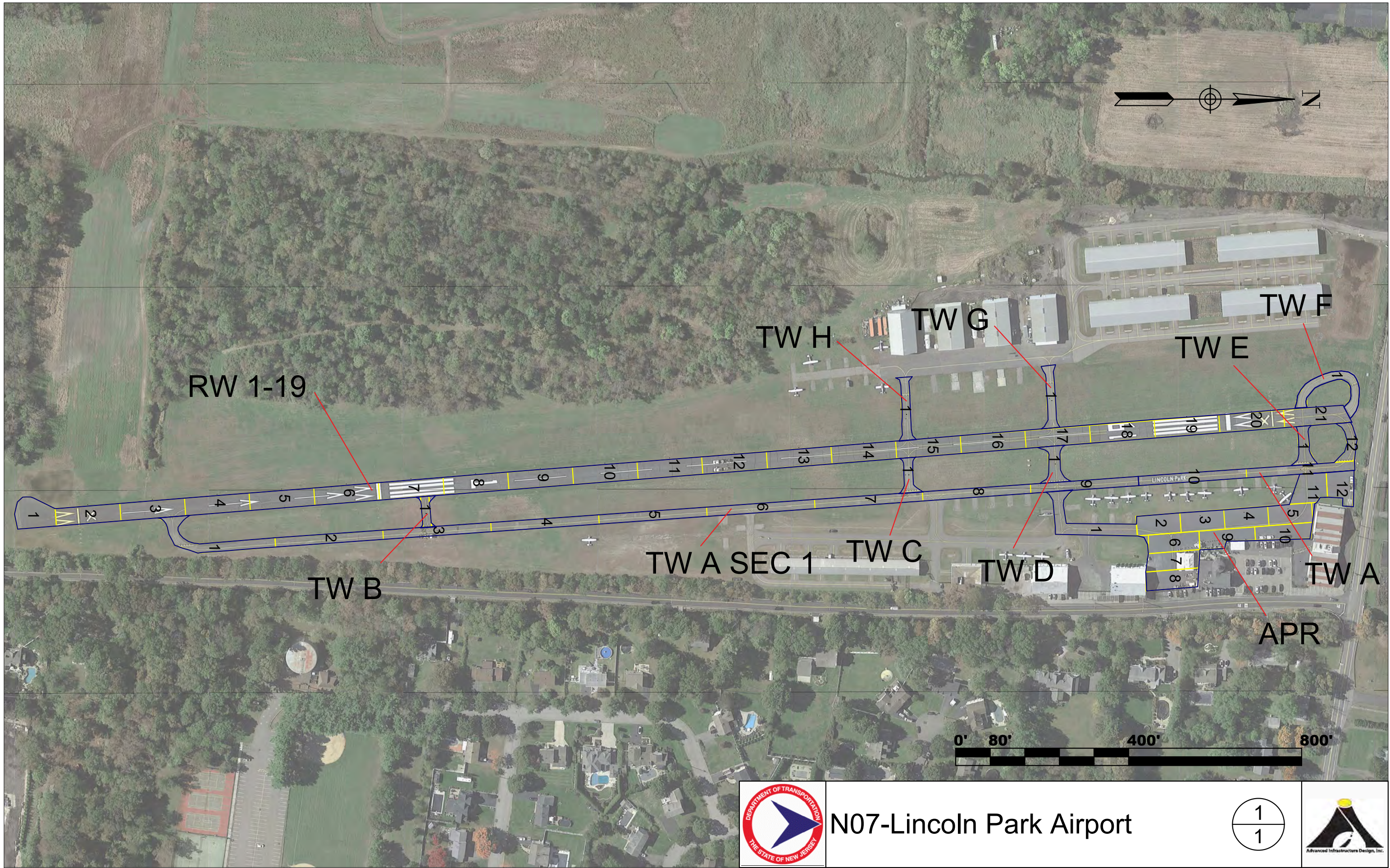
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Longitude: -74.31396

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



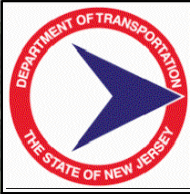
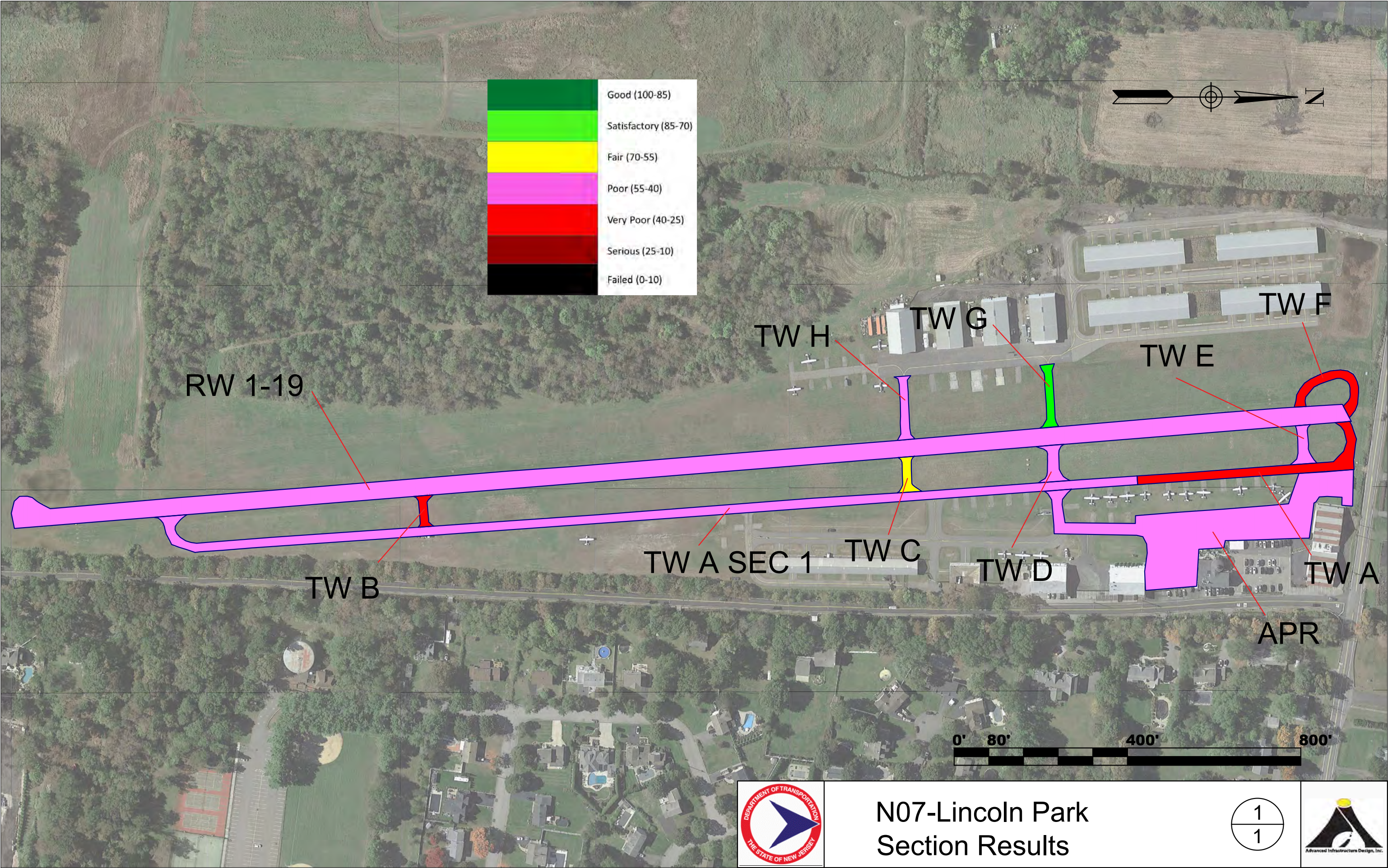
Appendix A: Layout and Results Maps



N07-Lincoln Park Airport

1
1





N07-Lincoln Park
Section Results





Appendix B: Detailed Data Reports

12/27/2023

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
N07	APR	Apron	APRON	1	59,288.00	
N07	RW 1-19	Runway 1-19	RUNWAY	1	127,359.00	
N07	TW A	Taxiway A	TAXIWAY	2	60,555.00	
N07	TW B	Taxiway B	TAXIWAY	1	1,631.00	
N07	TW C	Taxiway C	TAXIWAY	1	2,077.00	
N07	TW D	Taxiway D	TAXIWAY	1	2,855.00	
N07	TW E	Taxiway E	TAXIWAY	1	2,619.00	
N07	TW F	Taxiway F	TAXIWAY	1	5,180.00	
N07	TW G	Taxiway G	TAXIWAY	1	3,097.00	
N07	TW H	Taxiway H	TAXIWAY	1	3,155.00	

12/27/2023

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

Page 2 of 2

Total Number of Networks:	1	
Total Number of Branches:	10	
Total Number of Sections:	11	
Total True Area:	267,816.00	(SqFt)
Average Branch True Area:	26,781.60	(SqFt)

12/27/2023

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	1	1.00	1.00	59,288.00	APRON	47.30	0.00	47.30
RW 1-19	1	3,184.00	40.00	127,359.00	RUNWAY	52.00	0.00	52.00
TW A	2	3,028.00	20.00	60,555.00	TAXIWAY	44.00	5.00	46.89
TW B	1	78.00	21.00	1,631.00	TAXIWAY	36.00	0.00	36.00
TW C	1	99.00	21.00	2,077.00	TAXIWAY	57.40	0.00	57.40
TW D	1	98.00	29.00	2,855.00	TAXIWAY	36.30	0.00	36.30
TW E	1	97.00	27.00	2,619.00	TAXIWAY	42.00	0.00	42.00
TW F	1	259.00	20.00	5,180.00	TAXIWAY	40.00	0.00	40.00
TW G	1	124.00	25.00	3,097.00	TAXIWAY	75.00	0.00	75.00
TW H	1	131.00	24.00	3,155.00	TAXIWAY	50.30	0.00	50.30

12/27/2023

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	1	59,288.00	47.30	0.00	47.30
RUNWAY	1	127,359.00	52.00	0.00	52.00
TAXIWAY	9	81,169.00	47.22	11.93	47.18
ALL	11	267,816.00	47.66	10.87	49.50

*Pavement Database: 2014-NJDOT-GA AIRPORTS**NetworkId: N07*

Branch ID	Section ID	Last Const. Date	Surface	Use	Rank	Lanes	True Area (SqFt)	Last Inspection Date	Age At Inspection	PCI
APR	1	6/1/1980	AC	APRON	A	0	59,288.00	7/14/2021	41	47.3
RW 1-19	1	6/1/1991	AC	RUNWAY	A	0	127,359.00	7/15/2021	30	52
TW A	1	6/1/1980	AC	TAXIWAY	A	0	47,792.00	7/14/2021	41	49
TW A	2	6/1/1980	AC	TAXIWAY	A	0	12,763.00	7/14/2021	41	39
TW B	1	6/1/1980	AC	TAXIWAY	A	0	1,631.00	7/15/2021	41	36
TW C	1	6/1/1980	AC	TAXIWAY	A	0	2,077.00	7/15/2021	41	57.4
TW D	1	6/1/1980	AC	TAXIWAY	A	0	2,855.00	7/15/2021	41	36.3
TW E	1	6/1/1980	AC	TAXIWAY	A	0	2,619.00	7/15/2021	41	42
TW F	1	6/1/1980	AC	TAXIWAY	A	0	5,180.00	7/15/2021	41	40
TW G	1	6/1/1980	AC	TAXIWAY	A	0	3,097.00	7/15/2021	41	75
TW H	1	6/1/1980	AC	TAXIWAY	A	0	3,155.00	7/15/2021	41	50.3

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
26-30	30	127,359.00	1	52.00	0.00	52.00
41-50	41	140,457.00	10	47.23	11.31	47.23
ALL	40	267,816.00	11	47.66	10.87	49.50

Inspection Report

2014-NJDOT-GA AIRPORTS

Generated Date 12/27/2023

Page 1 of 21

Network:	N07	Name:	Lincoln Park
Branch:	APR	Name:	Apron
Use:	APRON	Area:	59,288 SqFt
Section:	1	of	1
From:	TW A	To:	Office Building
Last Const.:	6/1/1980	Family:	DEFAULT
Surface:	AC	Zone:	
Category:		Rank:	A
Area:	59,288 SqFt	Length:	1 Ft
Width:	1 Ft	Slabs:	
Slab Length:	Ft	Slab Width:	Ft
Joint Length:	Ft	Shoulder:	
Street Type:		Grade:	0
Lanes:	0	Section Comments:	

Work Date:	6/1/1980	Work Type:	New Construction - Initial	Code:	NC-IN	Is Major M&R:	True
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Last Insp. Date:	7/14/2021	TotalSamples:	12	Surveyed:	6
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Conditions: PCI: 47

Inspection Comments:

Sample Number:	1	Type:	R	Area:	7192.00 SqFt	PCI:	44
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Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
43	BLOCK CR	M	6402.00 SqFt	89.0	50.7	
48	L & T CR	M	10.00 Ft	0.1	4.2	
48	L & T CR	M	10.00 Ft	0.1	4.2	
48	L & T CR	M	10.00 Ft	0.1	4.2	

Sample Number:	10	Type:	R	Area:	4448.00 SqFt	PCI:	47
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Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
43	BLOCK CR	M	2891.20 SqFt	65.0	45.0	
48	L & T CR	M	50.00 Ft	1.1	11.8	
48	L & T CR	M	30.00 Ft	0.7	9.5	
48	L & T CR	M	30.00 Ft	0.7	9.5	
52	RAVELING	L	70.00 SqFt	1.6	3.4	

Sample Number:	11	Type:	R	Area:	4359.00 SqFt	PCI:	47
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Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
43	BLOCK CR	M	4359.00 SqFt	100.0	53.0	

Sample Number:	2	Type:	R	Area:	4610.00 SqFt	PCI:	49
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Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
43	BLOCK CR	M	4149.00 SqFt	90.0	50.9	

Sample Number:	3	Type:	R	Area:	4683.75 SqFt	PCI:	49
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Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
43	BLOCK CR	M	4215.60 SqFt	90.0	50.9	

Sample Number:	6	Type:	R	Area:	5232.00 SqFt	PCI:	49
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Sample Comments:

Branch: APR		Name: Apron		Use: APRON		Area: 59,288 SqFt	
Distress	Description	Severity	Quantity	Density	Deduct	Comments	
43	BLOCK CR	M	4708.00 SqFt	90.0	50.9		

Network:	N07		Name:	Lincoln Park								
Branch:	RW 1-19		Name:	Runway 1-19		Use:	RUNWAY	Area:	127,359 SqFt			
Section:	1	of	1	From:	RW 1 end			To:	RW 19 end		Last Const.:	6/1/1991
Surface:	AC		Family:	DEFAULT		Zone:		Category:	Rank: A			
Area:	127,359 SqFt		Length:	3,184 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:	6/1/1991		Work Type:	New Construction - Initial				Code:	NC-IN		Is Major M&R:	True
Last Insp. Date:	7/15/2021		TotalSamples:	21		Surveyed:	8					
Conditions:	PCI:	52										
Inspection Comments:												
Sample Number:	10		Type:	R		Area:	6085.80 SqFt		PCI:	60		
Sample Comments:												
Distress	Description		Severity	Quantity		Density	Deduct	Comments				
48	L & T CR		L	12.00 Ft		0.2	3.1					
48	L & T CR		L	12.00 Ft		0.2	3.1					
48	L & T CR		L	5.00 Ft		0.1	2.5					
48	L & T CR		L	15.00 Ft		0.2	3.4					
48	L & T CR		L	2.50 Ft		0.0	2.5					
48	L & T CR		L	23.00 Ft		0.4	3.8					
48	L & T CR		M	12.00 Ft		0.2	5.1					
48	L & T CR		M	5.00 Ft		0.1	4.0					
48	L & T CR		M	19.00 Ft		0.3	6.6					
48	L & T CR		M	140.00 Ft		2.3	16.9					
48	L & T CR		M	7.00 Ft		0.1	4.0					
48	L & T CR		M	15.00 Ft		0.2	5.8					
48	L & T CR		M	62.00 Ft		1.0	11.3					
48	L & T CR		M	32.00 Ft		0.5	8.5					
48	L & T CR		M	5.00 Ft		0.1	4.0					
48	L & T CR		M	22.00 Ft		0.4	7.1					
48	L & T CR		M	11.00 Ft		0.2	4.9					
48	L & T CR		M	6.00 Ft		0.1	4.0					
50	PATCHING		L	76.00 SqFt		1.2	4.1					
50	PATCHING		L	32.00 SqFt		0.5	2.5					
50	PATCHING		L	36.00 SqFt		0.6	2.7					
50	PATCHING		L	44.00 SqFt		0.7	2.9					
50	PATCHING		L	68.00 SqFt		1.1	3.8					
57	WEATHERING		L	5830.00 SqFt		95.8	5.9					
Sample Number:	13		Type:	R		Area:	6085.80 SqFt		PCI:	53		
Sample Comments:												
Distress	Description		Severity	Quantity		Density	Deduct	Comments				

Branch:		RW 1-19		Name:		Runway 1-19		Use:		RUNWAY		Area:		127,359 SqFt	
48	L & T CR			L		3.00	Ft	0.0	2.5						
48	L & T CR			L		4.00	Ft	0.1	2.5						
48	L & T CR			L		3.00	Ft	0.0	2.5						
48	L & T CR			L		11.00	Ft	0.2	3.0						
48	L & T CR			L		35.00	Ft	0.6	4.2						
48	L & T CR			L		6.00	Ft	0.1	2.5						
48	L & T CR			L		8.00	Ft	0.1	2.6						
48	L & T CR			L		4.00	Ft	0.1	2.5						
48	L & T CR			M		18.00	Ft	0.3	6.4						
48	L & T CR			M		46.00	Ft	0.8	9.9						
48	L & T CR			M		20.00	Ft	0.3	6.8						
48	L & T CR			M		22.00	Ft	0.4	7.1						
48	L & T CR			M		50.00	Ft	0.8	10.3						
48	L & T CR			M		7.00	Ft	0.1	4.0						
48	L & T CR			M		11.00	Ft	0.2	4.9						
48	L & T CR			M		7.00	Ft	0.1	4.0						
48	L & T CR			M		12.00	Ft	0.2	5.1						
48	L & T CR			M		12.00	Ft	0.2	5.1						
48	L & T CR			M		8.00	Ft	0.1	4.1						
48	L & T CR			M		22.00	Ft	0.4	7.1						
48	L & T CR			M		150.00	Ft	2.5	17.5						
50	PATCHING			L		80.00	SqFt	1.3	4.2						
50	PATCHING			L		42.00	SqFt	0.7	2.9						
50	PATCHING			L		44.00	SqFt	0.7	2.9						
50	PATCHING			L		86.00	SqFt	1.4	4.4						
50	PATCHING			L		22.00	SqFt	0.4	2.2						
50	PATCHING			M		32.00	SqFt	0.5	8.1						
57	WEATHERING			L		5824.00	SqFt	95.7	5.9						

Sample Number:	16	Type:	R	Area:	6085.80 SqFt	PCI:	66
Sample Comments:							

Distress	Description	Severity	Quantity	Density	Deduct	Comments
48	L & T CR	L	5.00 Ft	0.1	2.5	
48	L & T CR	L	18.00 Ft	0.3	3.6	
48	L & T CR	L	8.00 Ft	0.1	2.6	
48	L & T CR	L	8.00 Ft	0.1	2.6	
48	L & T CR	L	6.00 Ft	0.1	2.5	
48	L & T CR	L	5.00 Ft	0.1	2.5	
48	L & T CR	L	4.00 Ft	0.1	2.5	
48	L & T CR	L	12.00 Ft	0.2	3.1	

48	L & T CR	L	4.00	Ft	0.1	2.5
48	L & T CR	L	9.00	Ft	0.1	2.7
48	L & T CR	L	11.00	Ft	0.2	3.0
48	L & T CR	L	10.00	Ft	0.2	2.8
48	L & T CR	L	5.00	Ft	0.1	2.5
48	L & T CR	L	12.00	Ft	0.2	3.1
48	L & T CR	L	6.00	Ft	0.1	2.5
48	L & T CR	L	4.00	Ft	0.1	2.5
48	L & T CR	L	10.00	Ft	0.2	2.8
48	L & T CR	L	4.00	Ft	0.1	2.5
48	L & T CR	L	3.00	Ft	0.0	2.5
48	L & T CR	L	12.00	Ft	0.2	3.1
48	L & T CR	L	4.00	Ft	0.1	2.5
48	L & T CR	M	10.00	Ft	0.2	4.6
48	L & T CR	M	9.00	Ft	0.1	4.4
48	L & T CR	M	10.00	Ft	0.2	4.6
48	L & T CR	M	48.00	Ft	0.8	10.1
48	L & T CR	M	10.00	Ft	0.2	4.6
48	L & T CR	M	150.00	Ft	2.5	17.5
48	L & T CR	M	15.00	Ft	0.2	5.8
48	L & T CR	M	25.00	Ft	0.4	7.6
50	PATCHING	L	60.00	SqFt	1.0	3.5
50	PATCHING	L	36.00	SqFt	0.6	2.7
50	PATCHING	L	3.00	SqFt	0.0	2.0
50	PATCHING	L	22.00	SqFt	0.4	2.2
50	PATCHING	L	44.00	SqFt	0.7	2.9
50	PATCHING	L	60.00	SqFt	1.0	3.5

Sample Number:

18

Type:

R

Area:

6085.80 SqFt

PCI:

44

Sample Comments:

Distress	Description	Severity	Quantity		Density	Deduct	Comments
43	BLOCK CR	M	4260.00	SqFt	70.0	46.3	
50	PATCHING	L	42.00	SqFt	0.7	2.9	
50	PATCHING	L	40.00	SqFt	0.7	2.8	
50	PATCHING	L	60.00	SqFt	1.0	3.5	
50	PATCHING	L	30.00	SqFt	0.5	2.5	
50	PATCHING	L	80.00	SqFt	1.3	4.2	
50	PATCHING	L	18.00	SqFt	0.3	2.1	
50	PATCHING	L	24.00	SqFt	0.4	2.3	
57	WEATHERING	L	6085.00	SqFt	100.0	6.0	

Sample Number: 2		Type: R	Area: 6085.80 SqFt		PCI: 59	
Sample Comments:						
Distress	Description	Severity	Quantity	Density	Deduct	Comments
43	BLOCK CR	L	3000.00 SqFt	49.3	28.4	
48	L & T CR	L	5.00 Ft	0.1	2.5	
48	L & T CR	L	6.00 Ft	0.1	2.5	
48	L & T CR	L	4.00 Ft	0.1	2.5	
48	L & T CR	L	16.00 Ft	0.3	3.5	
48	L & T CR	L	14.00 Ft	0.2	3.3	
48	L & T CR	L	6.00 Ft	0.1	2.5	
48	L & T CR	L	12.00 Ft	0.2	3.1	
48	L & T CR	L	4.00 Ft	0.1	2.5	
48	L & T CR	M	6.00 Ft	0.1	4.0	
48	L & T CR	M	28.00 Ft	0.5	8.0	
48	L & T CR	M	32.00 Ft	0.5	8.5	
48	L & T CR	M	20.00 Ft	0.3	6.8	
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	8.00 Ft	0.1	4.1	
48	L & T CR	M	8.00 Ft	0.1	4.1	
48	L & T CR	M	8.00 Ft	0.1	4.1	
48	L & T CR	M	5.00 Ft	0.1	4.0	
48	L & T CR	M	20.00 Ft	0.3	6.8	
48	L & T CR	M	4.00 Ft	0.1	4.0	
48	L & T CR	M	8.00 Ft	0.1	4.1	
48	L & T CR	M	16.00 Ft	0.3	6.0	
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	11.00 Ft	0.2	4.9	
48	L & T CR	M	32.00 Ft	0.5	8.5	
48	L & T CR	M	14.00 Ft	0.2	5.6	
48	L & T CR	M	8.00 Ft	0.1	4.1	
48	L & T CR	M	4.00 Ft	0.1	4.0	
48	L & T CR	M	9.00 Ft	0.1	4.4	
48	L & T CR	M	16.00 Ft	0.3	6.0	
48	L & T CR	M	3.00 Ft	0.0	4.0	
48	L & T CR	M	6.00 Ft	0.1	4.0	
57	WEATHERING	L	6085.00 SqFt	100.0	6.0	
Sample Number: 21		Type: R	Area: 6085.80 SqFt		PCI: 44	
Sample Comments:						

Distress	Description	Severity	Quantity		Density	Deduct	Comments
43	BLOCK CR	M	5477.70	SqFt	90.0	50.9	
57	WEATHERING	L	6085.80	SqFt	100.0	6.0	
Sample Number:	5	Type:	R	Area:	6085.80	SqFt	PCI: 54
Sample Comments:							
Distress	Description	Severity	Quantity		Density	Deduct	Comments
48	L & T CR	L	54.00	Ft	0.9	4.7	
48	L & T CR	L	30.00	Ft	0.5	4.0	
48	L & T CR	L	8.00	Ft	0.1	2.6	
48	L & T CR	L	20.00	Ft	0.3	3.7	
48	L & T CR	L	2.00	Ft	0.0	2.5	
48	L & T CR	L	3.00	Ft	0.0	2.5	
48	L & T CR	L	4.00	Ft	0.1	2.5	
48	L & T CR	M	20.00	Ft	0.3	6.8	
48	L & T CR	M	16.00	Ft	0.3	6.0	
48	L & T CR	M	16.00	Ft	0.3	6.0	
48	L & T CR	M	22.00	Ft	0.4	7.1	
48	L & T CR	M	3.00	Ft	0.0	4.0	
48	L & T CR	M	13.00	Ft	0.2	5.3	
48	L & T CR	M	12.00	Ft	0.2	5.1	
48	L & T CR	M	11.00	Ft	0.2	4.9	
48	L & T CR	M	4.00	Ft	0.1	4.0	
48	L & T CR	M	26.00	Ft	0.4	7.7	
48	L & T CR	M	15.00	Ft	0.2	5.8	
48	L & T CR	M	32.00	Ft	0.5	8.5	
48	L & T CR	M	6.00	Ft	0.1	4.0	
48	L & T CR	M	50.00	Ft	0.8	10.3	
48	L & T CR	M	4.00	Ft	0.1	4.0	
48	L & T CR	M	14.00	Ft	0.2	5.6	
48	L & T CR	M	32.00	Ft	0.5	8.5	
48	L & T CR	M	3.00	Ft	0.0	4.0	
48	L & T CR	M	14.00	Ft	0.2	5.6	
48	L & T CR	M	4.00	Ft	0.1	4.0	
48	L & T CR	M	12.00	Ft	0.2	5.1	
48	L & T CR	M	12.00	Ft	0.2	5.1	
48	L & T CR	M	10.00	Ft	0.2	4.6	
48	L & T CR	M	36.00	Ft	0.6	8.9	
48	L & T CR	M	14.00	Ft	0.2	5.6	
50	PATCHING	L	112.00	SqFt	1.8	5.3	
50	PATCHING	L	50.00	SqFt	0.8	3.2	

50	PATCHING	L	20.00	SqFt	0.3	2.2
50	PATCHING	L	20.00	SqFt	0.3	2.2
57	WEATHERING	L	5824.00	SqFt	95.7	5.9
57	WEATHERING	M	60.00	SqFt	1.0	1.8

Sample Number: 7 **Type:** R **Area:** 6085.80 SqFt **PCI:** 39

Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
43	BLOCK CR	M	5000.00	SqFt	82.2	49.2
48	L & T CR	M	7.00	Ft	0.1	4.0
48	L & T CR	M	40.00	Ft	0.7	9.4
50	PATCHING	L	32.00	SqFt	0.5	2.5
57	WEATHERING	L	585.00	SqFt	9.6	1.7
57	WEATHERING	M	200.00	SqFt	3.3	2.8

Network:	N07			Name:	Lincoln Park							
Branch:	TW A		Name:	Taxiway A		Use:	TAXIWAY	Area:	60,555 SqFt			
Section:	1	of	2	From:	RW 1 end			To:	TW E	Last Const.:	6/1/1980	
Surface:	AC	Family:	DEFAULT		Zone:				Category:	Rank: A		
Area:	47,792 SqFt		Length:	2,390 Ft		Width:	20 Ft					
Slabs:	Slab Length:			Ft	Slab Width:			Ft	Joint Length: Ft			
Shoulder:	Street Type:			Grade:			0	Lanes: 0				
Section Comments:												
Work Date:	6/1/1980			Work Type: New Construction - Initial				Code:	NC-IN		Is Major M&R:	True
Last Insp. Date:	7/14/2021			TotalSamples:	9		Surveyed: 4					
Conditions:	PCI:	49										
Inspection Comments:												
Sample Number:	1	Type:	R	Area:			6701.00 SqFt		PCI:	57		
Sample Comments:												
Distress	Description	Severity	Quantity		Density	Deduct	Comments					
43	BLOCK CR	M	280.00	SqFt	4.2	17.9						
43	BLOCK CR	M	10.00	SqFt	0.1	7.9						
43	BLOCK CR	M	15.00	SqFt	0.2	8.4						
43	BLOCK CR	M	760.00	SqFt	11.3	24.4						
43	BLOCK CR	M	20.00	SqFt	0.3	8.8						
48	L & T CR	L	17.00	Ft	0.3	3.4						
48	L & T CR	M	18.00	Ft	0.3	6.1						
48	L & T CR	M	18.00	Ft	0.3	6.1						
48	L & T CR	M	18.00	Ft	0.3	6.1						
48	L & T CR	M	18.00	Ft	0.3	6.1						
48	L & T CR	M	10.00	Ft	0.1	4.4						
48	L & T CR	M	18.00	Ft	0.3	6.1						
48	L & T CR	M	17.00	Ft	0.3	5.9						
48	L & T CR	M	66.00	Ft	1.0	11.2						
48	L & T CR	M	10.00	Ft	0.1	4.4						
48	L & T CR	M	170.00	Ft	2.5	17.8						
48	L & T CR	M	92.00	Ft	1.4	13.0						
48	L & T CR	M	20.00	Ft	0.3	6.5						
48	L & T CR	M	20.00	Ft	0.3	6.5						
48	L & T CR	M	9.00	Ft	0.1	4.2						
57	WEATHERING	L	2755.00	SqFt	41.1	4.4						
Sample Number:	4	Type:	R	Area:			5136.40 SqFt		PCI:	33		
Sample Comments:												
Distress	Description	Severity	Quantity		Density	Deduct	Comments					
41	ALLIGATOR CR	L	150.00	SqFt	2.9	30.8						
41	ALLIGATOR CR	L	104.00	SqFt	2.0	27.2						
41	ALLIGATOR CR	L	48.00	SqFt	0.9	19.9						

41	ALLIGATOR CR	L	32.00	SqFt	0.6	16.3
41	ALLIGATOR CR	L	28.00	SqFt	0.5	15.2
41	ALLIGATOR CR	M	60.00	SqFt	1.2	30.7
43	BLOCK CR	L	275.00	SqFt	5.4	13.9
43	BLOCK CR	L	40.00	SqFt	0.8	7.2
48	L & T CR	L	6.00	Ft	0.1	2.5
48	L & T CR	L	12.00	Ft	0.2	3.3
48	L & T CR	M	8.00	Ft	0.2	4.5
48	L & T CR	M	9.00	Ft	0.2	4.8
48	L & T CR	M	14.00	Ft	0.3	6.1
48	L & T CR	M	18.00	Ft	0.4	7.0
48	L & T CR	M	9.00	Ft	0.2	4.8
48	L & T CR	M	8.00	Ft	0.2	4.5
48	L & T CR	M	10.00	Ft	0.2	5.1
48	L & T CR	M	18.00	Ft	0.4	7.0
48	L & T CR	M	7.00	Ft	0.1	4.2
48	L & T CR	M	18.00	Ft	0.4	7.0
48	L & T CR	M	9.00	Ft	0.2	4.8
48	L & T CR	M	10.00	Ft	0.2	5.1
48	L & T CR	M	18.00	Ft	0.4	7.0
48	L & T CR	M	18.00	Ft	0.4	7.0
48	L & T CR	M	20.00	Ft	0.4	7.4
48	L & T CR	M	10.00	Ft	0.2	5.1
48	L & T CR	M	9.00	Ft	0.2	4.8
48	L & T CR	M	10.00	Ft	0.2	5.1
48	L & T CR	M	9.00	Ft	0.2	4.8
48	L & T CR	M	18.00	Ft	0.4	7.0
48	L & T CR	M	8.00	Ft	0.2	4.5
48	L & T CR	M	6.00	Ft	0.1	4.0
48	L & T CR	M	10.00	Ft	0.2	5.1
48	L & T CR	M	18.00	Ft	0.4	7.0
50	PATCHING	M	27.00	SqFt	0.5	8.1
50	PATCHING	M	27.00	SqFt	0.5	8.1

Sample Number: 6
Type: R
Area: 5136.40 SqFt
PCI: 52

Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
41	ALLIGATOR CR	L	42.00	SqFt	0.8	18.6
43	BLOCK CR	L	180.00	SqFt	3.5	12.1
43	BLOCK CR	L	40.00	SqFt	0.8	7.2
43	BLOCK CR	L	20.00	SqFt	0.4	5.8

43	BLOCK CR	L	30.00	SqFt	0.6	6.6
43	BLOCK CR	L	84.00	SqFt	1.6	9.3
43	BLOCK CR	L	40.00	SqFt	0.8	7.2
43	BLOCK CR	M	18.00	SqFt	0.4	9.1
43	BLOCK CR	M	18.00	SqFt	0.4	9.1
43	BLOCK CR	M	36.00	SqFt	0.7	10.9
43	BLOCK CR	M	92.00	SqFt	1.8	14.0
45	DEPRESSION	L	14.00	SqFt	0.3	1.4
48	L & T CR	L	9.00	Ft	0.2	2.9
48	L & T CR	M	18.00	Ft	0.4	7.0
48	L & T CR	M	19.00	Ft	0.4	7.2
48	L & T CR	M	18.00	Ft	0.4	7.0
48	L & T CR	M	14.00	Ft	0.3	6.1
48	L & T CR	M	18.00	Ft	0.4	7.0
48	L & T CR	M	14.00	Ft	0.3	6.1
48	L & T CR	M	6.00	Ft	0.1	4.0
48	L & T CR	M	8.00	Ft	0.2	4.5
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	18.00	Ft	0.4	7.0
48	L & T CR	M	18.00	Ft	0.4	7.0
48	L & T CR	M	18.00	Ft	0.4	7.0
48	L & T CR	M	18.00	Ft	0.4	7.0
48	L & T CR	M	18.00	Ft	0.4	7.0
48	L & T CR	M	30.00	Ft	0.6	8.9
48	L & T CR	M	14.00	Ft	0.3	6.1
50	PATCHING	M	80.00	SqFt	1.6	11.1

Sample Number:
8

Type:
R

Area:
5136.40 SqFt

PCI:
51

Sample Comments:

Distress	Description	Severity	Quantity		Density	Deduct	Comments
41	ALLIGATOR CR	L	10.00	SqFt	0.2	8.5	
41	ALLIGATOR CR	L	32.00	SqFt	0.6	16.3	
43	BLOCK CR	L	200.00	SqFt	3.9	12.5	
43	BLOCK CR	L	190.00	SqFt	3.7	12.3	
43	BLOCK CR	L	40.00	SqFt	0.8	7.2	
43	BLOCK CR	L	30.00	SqFt	0.6	6.6	
43	BLOCK CR	L	80.00	SqFt	1.6	9.2	
43	BLOCK CR	L	21.00	SqFt	0.4	5.8	
48	L & T CR	L	18.00	Ft	0.4	3.8	
48	L & T CR	L	9.00	Ft	0.2	2.9	

48	L & T CR	L	8.00	Ft	0.2	2.8
48	L & T CR	L	31.00	Ft	0.6	4.2
48	L & T CR	L	6.00	Ft	0.1	2.5
48	L & T CR	L	16.00	Ft	0.3	3.6
48	L & T CR	L	20.00	Ft	0.4	3.9
48	L & T CR	M	21.00	Ft	0.4	7.6
48	L & T CR	M	20.00	Ft	0.4	7.4
48	L & T CR	M	18.00	Ft	0.4	7.0
48	L & T CR	M	24.00	Ft	0.5	8.0
48	L & T CR	M	20.00	Ft	0.4	7.4
48	L & T CR	M	20.00	Ft	0.4	7.4
48	L & T CR	M	31.00	Ft	0.6	9.0
48	L & T CR	M	18.00	Ft	0.4	7.0
48	L & T CR	M	10.00	Ft	0.2	5.1
48	L & T CR	M	20.00	Ft	0.4	7.4
48	L & T CR	M	20.00	Ft	0.4	7.4
50	PATCHING	L	24.00	SqFt	0.5	2.4
50	PATCHING	L	70.00	SqFt	1.4	4.3
52	RAVELING	H	6.00	SqFt	0.1	6.7

Network:	N07		Name:	Lincoln Park										
Branch:	TW A		Name:	Taxiway A		Use:	TAXIWAY	Area:	60,555 SqFt					
Section:	2	of	2	From:	TW E			To:	RW 19 end		Last Const.:	6/1/1980		
Surface:	AC		Family:	DEFAULT		Zone:				Category:	Rank:		A	
Area:	12,763 SqFt		Length:	638 Ft		Width:	20 Ft							
Slabs:	Slab Length:		Ft		Slab Width:		Ft		Joint Length:		Ft			
Shoulder:	Street Type:		Grade:		0			Lanes:		0				
Section Comments:														
Work Date:	6/1/1980		Work Type:				New Construction - Initial			Code:	NC-IN		Is Major M&R:	True
Last Insp. Date:	7/14/2021		TotalSamples:		3		Surveyed:			3				
Conditions:	PCI:		39											
Inspection Comments:														
Sample Number:	10		Type:	R		Area:		5136.40 SqFt			PCI:	37		
Sample Comments:														
Distress	Description		Severity	Quantity		Density	Deduct	Comments						
43	BLOCK CR		L	200.00	SqFt	3.9	12.5							
43	BLOCK CR		L	200.00	SqFt	3.9	12.5							
43	BLOCK CR		L	240.00	SqFt	4.7	13.3							
43	BLOCK CR		L	140.00	SqFt	2.7	11.1							
43	BLOCK CR		L	680.00	SqFt	13.2	18.6							
43	BLOCK CR		L	250.00	SqFt	4.9	13.5							
43	BLOCK CR		M	100.00	SqFt	1.9	14.4							
43	BLOCK CR		M	800.00	SqFt	15.6	27.1							
48	L & T CR		L	10.00	Ft	0.2	3.1							
48	L & T CR		M	20.00	Ft	0.4	7.4							
48	L & T CR		M	20.00	Ft	0.4	7.4							
48	L & T CR		M	22.00	Ft	0.4	7.7							
48	L & T CR		M	20.00	Ft	0.4	7.4							
48	L & T CR		M	17.00	Ft	0.3	6.8							
48	L & T CR		M	32.00	Ft	0.6	9.1							
50	PATCHING		L	200.00	SqFt	3.9	8.5							
50	PATCHING		M	250.00	SqFt	4.9	19.2							
50	PATCHING		M	320.00	SqFt	6.2	21.8							
57	WEATHERING		M	4366.00	SqFt	85.0	19.3							
Sample Number:	11		Type:	R		Area:		5136.40 SqFt			PCI:	39		
Sample Comments:														
Distress	Description		Severity	Quantity		Density	Deduct	Comments						
43	BLOCK CR		M	3280.00	SqFt	63.9	44.7							
43	BLOCK CR		M	1240.00	SqFt	24.1	31.5							
50	PATCHING		M	480.00	SqFt	9.3	26.7							
57	WEATHERING		M	4656.00	SqFt	90.6	19.7							

Sample Number: 12		Type: R	Area: 2490.00 SqFt		PCI: 44	
Sample Comments:						
Distress	Description	Severity	Quantity	Density	Deduct	Comments
43	BLOCK CR	M	2202.00 SqFt	88.4	50.6	
57	WEATHERING	M	2202.00 SqFt	88.4	19.5	an area of about 288 sqft has a top coat looking surface

Network:	N07		Name:	Lincoln Park						
Branch:	TW B		Name:	Taxiway B		Use:	TAXIWAY	Area:	1,631 SqFt	
Section:	1	of 1	From:	TW A			To:	RW 1 end		
Surface:	AC	Family:	DEFAULT		Zone:		Category:			
Area:	1,631 SqFt	Length:	78 Ft		Width:	21 Ft				
Slabs:		Slab Length:	Ft	Slab Width:	Ft	Joint Length:	Ft			
Shoulder:		Street Type:		Grade:	0	Lanes:	0			
Section Comments:										
Work Date:	6/1/1980		Work Type: New Construction - Initial				Code:	NC-IN	Is Major M&R:	True
Last Insp. Date:	7/15/2021		TotalSamples:	1		Surveyed:	1			
Conditions:	PCI:	36								
Inspection Comments:										
Sample Number:	1	Type:	R	Area:	1631.00 SqFt		PCI:	36		
Sample Comments:										
Distress	Description	Severity	Quantity	Density	Deduct	Comments				
48	L & T CR	L	21.00 Ft	1.3	5.6					
48	L & T CR	M	13.00 Ft	0.8	10.2					
48	L & T CR	M	19.00 Ft	1.2	12.0					
50	PATCHING	M	200.00 SqFt	12.3	30.3					
50	PATCHING	M	27.00 SqFt	1.7	11.4					
50	PATCHING	M	76.00 SqFt	4.7	18.8					
52	RAVELING	M	394.00 SqFt	24.2	30.6					
52	RAVELING	M	173.00 SqFt	10.6	21.2					
52	RAVELING	H	6.00 SqFt	0.4	9.5					
57	WEATHERING	M	755.00 SqFt	46.3	14.7					

Network:	N07			Name:	Lincoln Park								
Branch:	TW C		Name:	Taxiway C		Use:	TAXIWAY	Area:	2,077 SqFt				
Section:	1	of	1	From:	TW A			To:	RW 1-19	Last Const.:	6/1/1980		
Surface:	AC		Family:	DEFAULT		Zone:		Category:		Rank:	A		
Area:	2,077 SqFt		Length:	99 Ft		Width:	21 Ft						
Slabs:	Slab Length:		Ft		Slab Width:		Ft		Joint Length:		Ft		
Shoulder:	Street Type:				Grade:		0		Lanes:		0		
Section Comments:													
Work Date:	6/1/1980		Work Type:				New Construction - Initial		Code:	NC-IN		Is Major M&R:	True
Last Insp. Date:	7/15/2021		TotalSamples:	1		Surveyed:		1					
Conditions:	PCI:	57											
Inspection Comments:													
Sample Number:	1	Type:	R		Area:	2077.00 SqFt		PCI:	57				
Sample Comments:													
Distress	Description		Severity	Quantity		Density	Deduct	Comments					
48	L & T CR		L	5.00	Ft	0.2	3.3						
48	L & T CR		L	15.00	Ft	0.7	4.4						
48	L & T CR		L	5.00	Ft	0.2	3.3						
48	L & T CR		L	11.00	Ft	0.5	4.1						
48	L & T CR		L	6.00	Ft	0.3	3.6						
48	L & T CR		L	25.00	Ft	1.2	5.4						
48	L & T CR		M	19.00	Ft	0.9	10.8						
48	L & T CR		M	21.00	Ft	1.0	11.3						
48	L & T CR		M	10.00	Ft	0.5	8.2						
48	L & T CR		M	5.00	Ft	0.2	5.7						
48	L & T CR		M	15.00	Ft	0.7	9.7						
48	L & T CR		M	19.00	Ft	0.9	10.8						
48	L & T CR		M	19.00	Ft	0.9	10.8						
48	L & T CR		M	11.00	Ft	0.5	8.5						
50	PATCHING		L	584.00	SqFt	28.1	23.7						
57	WEATHERING		L	1493.00	SqFt	71.9	5.5						

Network:	N07			Name:	Lincoln Park							
Branch:	TW D		Name:	Taxiway D		Use:	TAXIWAY	Area:	2,855 SqFt			
Section:	1	of	1	From:	TW A		To:	RW 1-19		Last Const.:	6/1/1980	
Surface:	AC	Family:	DEFAULT		Zone:		Category:		Rank:	A		
Area:	2,855 SqFt		Length:	98 Ft		Width:	29 Ft					
Slabs:		Slab Length:	Ft		Slab Width:	Ft		Joint Length:	Ft			
Shoulder:		Street Type:		Grade:	0		Lanes:	0				
Section Comments:												
Work Date:	6/1/1980			Work Type:	New Construction - Initial			Code:	NC-IN		Is Major M&R:	True
Last Insp. Date:	7/15/2021			TotalSamples:	1		Surveyed:	1				
Conditions:	PCI:	36										
Inspection Comments:												
Sample Number:	1	Type:	R	Area:	2855.00 SqFt		PCI:	36				
Sample Comments:												
Distress	Description	Severity	Quantity	Density	Deduct	Comments						
43	BLOCK CR	M	2284.00 SqFt	80.0	48.7							
50	PATCHING	H	30.00 SqFt	1.1	19.2							
52	RAVELING	M	15.00 SqFt	0.5	6.3							
57	WEATHERING	L	2855.00 SqFt	100.0	6.0							

Network:	N07		Name:	Lincoln Park							
Branch:	TW E		Name:	Taxiway E		Use:	TAXIWAY	Area:	2,619 SqFt		
Section:	1	of	1	From:	TW A		To:	RW 19 end		Last Const.:	6/1/1980
Surface:	AC		Family:	DEFAULT		Zone:			Category:	Rank: A	
Area:	2,619 SqFt		Length:	97 Ft		Width:	27 Ft				
Slabs:	Slab Length:		Ft		Slab Width:		Ft		Joint Length:		Ft
Shoulder:	Street Type:		Grade:		0		Lanes:		0		
Section Comments:											
Work Date:	6/1/1980		Work Type: New Construction - Initial				Code:	NC-IN		Is Major M&R: True	
Last Insp. Date:	7/15/2021		TotalSamples:		1		Surveyed:		1		
Conditions:	PCI:		42								
Inspection Comments:											
Sample Number:	1	Type:	R	Area:		2619.00 SqFt		PCI:		42	
Sample Comments:											
Distress	Description		Severity	Quantity		Density	Deduct	Comments			
43	BLOCK CR		M	2619.00	SqFt	100.0	53.0				
57	WEATHERING		M	2619.00	SqFt	100.0	20.3				

Network:	N07		Name:	Lincoln Park					
Branch:	TW F		Name:	Taxiway F		Use:	TAXIWAY	Area:	5,180 SqFt
Section:	1	of	1	From:	Turnaround		To:	RW 19 end	
Surface:	AC	Family:	DEFAULT		Zone:		Category:	Rank: A	
Area:	5,180 SqFt	Length:	259 Ft		Width:	20 Ft			
Slabs:	Slab Length:		Ft	Slab Width:		Ft	Joint Length:		Ft
Shoulder:	Street Type:		Grade:		0	Lanes:		0	
Section Comments:									
Work Date:	6/1/1980		Work Type: New Construction - Initial				Code:	NC-IN	
Is Major M&R:		True							
Last Insp. Date:	7/15/2021		TotalSamples:	1		Surveyed: 1			
Conditions:	PCI: 40								
Inspection Comments:									
Sample Number:	1	Type:	R	Area:	5180.00 SqFt		PCI:	40	
Sample Comments:									
Distress	Description	Severity	Quantity	Density	Deduct	Comments			
41	ALLIGATOR CR	M	30.00 SqFt	0.6	24.1				
41	ALLIGATOR CR	M	52.00 SqFt	1.0	29.2				
41	ALLIGATOR CR	M	16.00 SqFt	0.3	18.9				
45	DEPRESSION	M	12.00 SqFt	0.2	6.7				
48	L & T CR	M	14.00 Ft	0.3	6.1				
48	L & T CR	M	24.00 Ft	0.5	8.0				
48	L & T CR	M	15.00 Ft	0.3	6.4				
48	L & T CR	M	6.00 Ft	0.1	4.0				
48	L & T CR	M	17.00 Ft	0.3	6.8				
48	L & T CR	M	10.00 Ft	0.2	5.0				
48	L & T CR	M	13.00 Ft	0.3	5.9				
48	L & T CR	M	9.00 Ft	0.2	4.7				
48	L & T CR	M	5.00 Ft	0.1	4.0				
48	L & T CR	M	12.00 Ft	0.2	5.6				
48	L & T CR	M	4.00 Ft	0.1	4.0				
48	L & T CR	M	18.00 Ft	0.3	7.0				
48	L & T CR	M	17.00 Ft	0.3	6.8				
48	L & T CR	M	18.00 Ft	0.3	7.0				
48	L & T CR	M	16.00 Ft	0.3	6.6				
55	SLIPPAGE CR	N	16.00 SqFt	0.3	6.5				
57	WEATHERING	L	4784.00 SqFt	92.4	5.9				
57	WEATHERING	M	120.00 SqFt	2.3	2.4				
57	WEATHERING	M	60.00 SqFt	1.2	1.9				
57	WEATHERING	M	160.00 SqFt	3.1	2.7				
57	WEATHERING	M	56.00 SqFt	1.1	1.8				

Network:	N07			Name:	Lincoln Park					
Branch:	TW G		Name:	Taxiway G		Use:	TAXIWAY	Area:	3,097 SqFt	
Section:	1	of	1	From:	RW 1-19		To:	Hangar	Last Const.:	6/1/1980
Surface:	AC	Family:	DEFAULT		Zone:		Category:		Rank:	A
Area:	3,097 SqFt	Length:	124 Ft		Width:	25 Ft				
Slabs:		Slab Length:	Ft	Slab Width:	Ft	Joint Length:	Ft			
Shoulder:		Street Type:		Grade:	0	Lanes:	0			
Section Comments:										
Work Date:	6/1/1980			Work Type:	New Construction - Initial		Code:	NC-IN	Is Major M&R:	True
Last Insp. Date:	7/15/2021			TotalSamples:	1		Surveyed:	1		
Conditions:	PCI:	75								
Inspection Comments:										
Sample Number:	1	Type:	R	Area:	3097.00 SqFt		PCI:	75		
Sample Comments:										
Distress	Description	Severity	Quantity	Density	Deduct	Comments				
48	L & T CR	L	5.00 Ft	0.2	2.8					
48	L & T CR	L	4.00 Ft	0.1	2.6					
48	L & T CR	L	8.00 Ft	0.3	3.4					
48	L & T CR	L	4.00 Ft	0.1	2.6					
48	L & T CR	L	4.00 Ft	0.1	2.6					
48	L & T CR	L	4.00 Ft	0.1	2.6					
48	L & T CR	L	9.00 Ft	0.3	3.6					
48	L & T CR	L	1.00 Ft	0.0	2.5					
48	L & T CR	L	6.00 Ft	0.2	3.1					
48	L & T CR	L	8.00 Ft	0.3	3.4					
48	L & T CR	L	6.00 Ft	0.2	3.1					
48	L & T CR	L	10.00 Ft	0.3	3.7					
48	L & T CR	L	9.00 Ft	0.3	3.6					
48	L & T CR	L	16.00 Ft	0.5	4.1					
48	L & T CR	L	16.00 Ft	0.5	4.1					
48	L & T CR	L	2.00 Ft	0.1	2.5					
48	L & T CR	M	4.00 Ft	0.1	4.1					
48	L & T CR	M	8.00 Ft	0.3	6.0					
48	L & T CR	M	6.00 Ft	0.2	5.1					
48	L & T CR	M	3.00 Ft	0.1	4.0					
48	L & T CR	M	6.00 Ft	0.2	5.1					
48	L & T CR	M	19.00 Ft	0.6	9.1					
48	L & T CR	M	8.00 Ft	0.3	6.0					
48	L & T CR	M	6.00 Ft	0.2	5.1					
57	WEATHERING	L	3097.00 SqFt	100.0	6.0					

Network:	N07		Name:	Lincoln Park							
Branch:	TW H		Name:	Taxiway H		Use:	TAXIWAY	Area:	3,155 SqFt		
Section:	1	of	1	From:	Rw 1-19			To:	Hangar		
Surface:	AC	Family:	DEFAULT		Zone:				Category:	Rank: A	
Area:	3,155 SqFt		Length:	131 Ft		Width:	24 Ft				
Slabs:	Slab Length:		Ft		Slab Width:	Ft		Joint Length:	Ft		
Shoulder:	Street Type:		Grade:		0		Lanes:	0			
Section Comments:											
Work Date:	6/1/1980		Work Type: New Construction - Initial				Code:	NC-IN		Is Major M&R:	True
Last Insp. Date:	7/15/2021		TotalSamples:	1		Surveyed:	1				
Conditions:	PCI:	50									
Inspection Comments:											
Sample Number:	1	Type:	R	Area:	3155.00 SqFt		PCI:	50			
Sample Comments:											

Distress	Description	Severity	Quantity	Density	Deduct	Comments
48	L & T CR	L	10.00 Ft	0.3	3.7	
48	L & T CR	L	13.00 Ft	0.4	3.9	
48	L & T CR	L	6.00 Ft	0.2	3.0	
48	L & T CR	L	19.00 Ft	0.6	4.2	
48	L & T CR	L	9.00 Ft	0.3	3.6	
48	L & T CR	L	8.00 Ft	0.3	3.4	
48	L & T CR	L	5.00 Ft	0.2	2.8	
48	L & T CR	M	19.00 Ft	0.6	9.0	
48	L & T CR	M	19.00 Ft	0.6	9.0	
48	L & T CR	M	19.00 Ft	0.6	9.0	
48	L & T CR	M	11.00 Ft	0.3	7.0	
48	L & T CR	M	16.00 Ft	0.5	8.3	
48	L & T CR	M	8.00 Ft	0.3	5.9	
48	L & T CR	M	16.00 Ft	0.5	8.3	
50	PATCHING	M	255.00 SqFt	8.1	24.8	
50	PATCHING	M	250.00 SqFt	7.9	24.6	
57	WEATHERING	M	2679.00 SqFt	84.9	19.3	

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 1-19	1	BLOCK CRACKING	43	Low	7848	SqFt	14.5	6.2	Climate/Durability
		BLOCK CRACKING	43	Medium	38552	SqFt	34.1	30.3	Climate/Durability
		L & T CR	48	Low	1286	Ft	5.0	1.0	Climate/Durability
		L & T CR	48	Medium	4526	Ft	21.4	3.6	Climate/Durability
		PATCHING	50	Medium	84	SqFt	6.2	0.1	Climate/Durability
		PATCHING	50	Low	3356	SqFt	6.7	2.6	Climate/Durability
		WEATHERING	57	Medium	680	SqFt	1.5	0.5	Climate/Durability
		WEATHERING	57	Low	95007	SqFt	5.6	74.6	Climate/Durability
Taxiway A	1	ALLIGATOR CRACKING	41	Medium	130	SqFt	17.8	0.3	Load
		ALLIGATOR CRACKING	41	Low	964	SqFt	27.2	2.0	Load
		BLOCK CRACKING	43	Medium	2700	SqFt	19.6	5.6	Climate/Durability
		BLOCK CRACKING	43	Low	2745	SqFt	14.2	5.7	Climate/Durability
		DEPRESSION	45	Low	30	SqFt	0.3	0.1	Other
		L & T CR	48	Low	329	Ft	4.4	0.7	Climate/Durability
		L & T CR	48	Medium	2765	Ft	27.8	5.8	Climate/Durability
		PATCHING	50	Low	203	SqFt	2.3	0.4	Climate/Durability
		PATCHING	50	Medium	290	SqFt	8.3	0.6	Climate/Durability
		RAVELING	52	High	13	SqFt	6.0	0.0	Climate/Durability
		WEATHERING	57	Low	5955	SqFt	2.0	12.5	Climate/Durability
	2	BLOCK CRACKING	43	Low	1710	SqFt	18.7	13.4	Climate/Durability
		BLOCK CRACKING	43	Medium	7622	SqFt	43.6	59.7	Climate/Durability
		L & T CR	48	Low	10	Ft	2.5	0.1	Climate/Durability
		L & T CR	48	Medium	131	Ft	11.4	1.0	Climate/Durability
		PATCHING	50	Low	200	SqFt	4.7	1.6	Climate/Durability
		PATCHING	50	Medium	1050	SqFt	25.0	8.2	Climate/Durability
Taxiway B	1	WEATHERING	57	Medium	11224	SqFt	19.5	87.9	Climate/Durability
		L & T CR	48	Low	21	Ft	5.6	1.3	Climate/Durability
		L & T CR	48	Medium	32	Ft	15.6	2.0	Climate/Durability
		PATCHING	50	Medium	303	SqFt	36.7	18.6	Climate/Durability
		RAVELING	52	High	6	SqFt	9.5	0.4	Climate/Durability
		RAVELING	52	Medium	567	SqFt	36.0	34.8	Climate/Durability
Taxiway C	1	WEATHERING	57	Medium	755	SqFt	14.7	46.3	Climate/Durability
		L & T CR	48	Low	67	Ft	10.6	3.2	Climate/Durability
		L & T CR	48	Medium	119	Ft	27.6	5.7	Climate/Durability
		PATCHING	50	Low	584	SqFt	23.7	28.1	Climate/Durability
Taxiway D	1	WEATHERING	57	Low	1493	SqFt	5.5	71.9	Climate/Durability
		BLOCK CRACKING	43	Medium	2284	SqFt	48.7	80.0	Climate/Durability
		PATCHING	50	High	30	SqFt	19.2	1.1	Climate/Durability
		RAVELING	52	Medium	15	SqFt	6.3	0.5	Climate/Durability
Taxiway E	1	WEATHERING	57	Low	2855	SqFt	6.0	100.0	Climate/Durability
		BLOCK CRACKING	43	Medium	2619	SqFt	53.0	100.0	Climate/Durability
		WEATHERING	57	Medium	2619	SqFt	20.3	100.0	Climate/Durability
		WEATHERING	57	Low	4784	SqFt	5.9	92.4	Climate/Durability
Taxiway F	1	L & T CR	48	Medium	60	Ft	15.5	1.9	Climate/Durability
		L & T CR	48	Low	112	Ft	11.6	3.6	Climate/Durability
		WEATHERING	57	Low	3097	SqFt	6.0	100.0	Climate/Durability
		L & T CR	48	Low	70	Ft	8.0	2.2	Climate/Durability
		L & T CR	48	Medium	108	Ft	20.9	3.4	Climate/Durability
		PATCHING	50	Medium	505	SqFt	34.3	16.0	Climate/Durability
Taxiway H	1	WEATHERING	57	Medium	2679	SqFt	19.3	84.9	Climate/Durability
		BLOCK CRACKING	43	Medium	51907	SqFt	50.4	87.6	Climate/Durability
		L & T CR	48	Medium	272	Ft	8.0	0.5	Climate/Durability
		RAVELING	52	Low	136	SqFt	1.3	0.2	Climate/Durability
Apron	1								

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