



**Advanced Infrastructure
Design, Inc.**

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2021 PAVEMENT CONDITION INDEX (PCI) REPORT

Report Submitted to:

**Jacobs Engineering
Group, Inc.**

December 2023

***Essex County Airport (CDW)
Fairfield Township, Essex County, New Jersey***



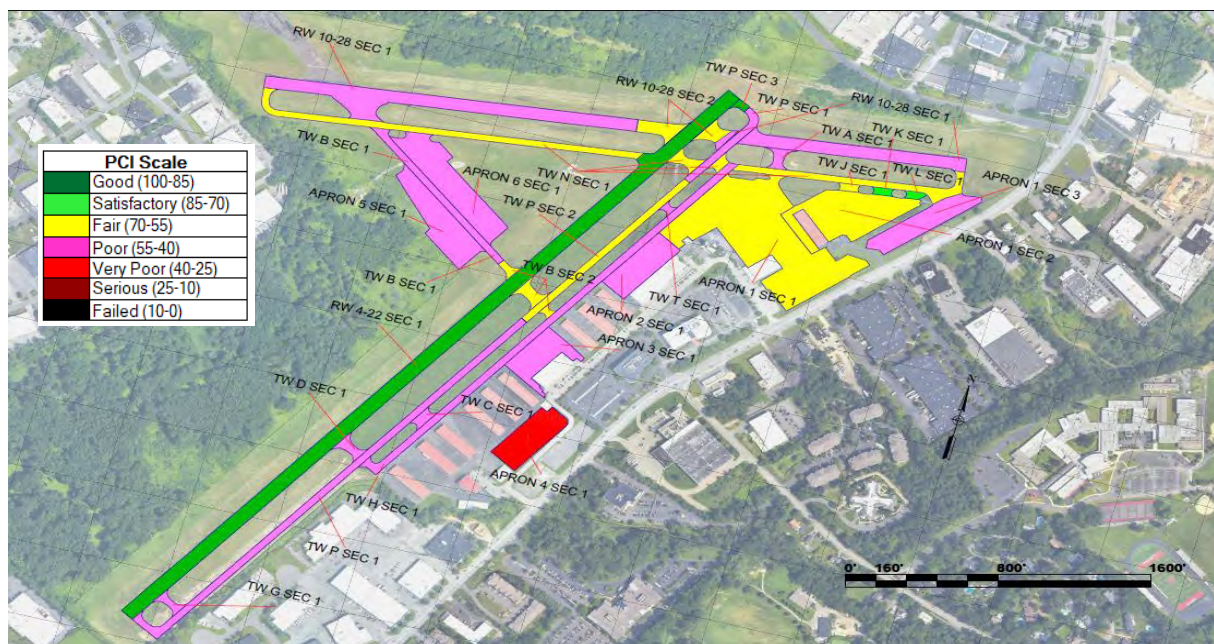
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Executive Summary

The pavement condition of the runways, taxiways, and aprons of Essex County Airport (CDW) 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 CDW airport pavement.

The 2021 distress survey indicated that the runway, taxiway, and apron pavement of airport CDW, considered as a whole, is currently in FAIR condition with an overall average PCI of 60. This is a 2-point reduction from the overall PCI of 62 (FAIR) found for the airport in 2014. In terms of area, the airport pavement was mostly in FAIR condition (55%), about a quarter was in POOR condition (26%), and the remainder was split between SATISFACTORY, GOOD, and VERY POOR in 2014 but it deteriorated to 40% POOR and 39% FAIR (with the remainder split between GOOD and VERY POOR) in 2021. With respect to branch type/use, the improved from being split between (56%) POOR and (44%) FAIR condition in 2014 to being mostly split between (64%) GOOD and (29%) FAIR condition in 2021. This improvement in condition is attributed to the M&R activities completed on both runways. The taxiways, which were mostly split between FAIR (60%) and SATISFACTORY (37%) in 2014, worsened to being mostly split between POOR (54%) and FAIR (31%) condition in 2021. The percentage pavement area of the apron that was FAIR and VERY POOR stayed nearly the same from 2014 to 2021 but the percentage of GOOD conditioned pavement decreased from 14% to 0% and the percentage of POOR conditioned pavement increased from 20% to 41%. The PCI deterioration rate for the taxiway and apron pavements were -1.6 and -1.9 PCI points/year, respectively. The overall PCI of the runway increased from 53 to 76 due to the M&R activities reported in 2018, 2019, and 2020.





In terms of distresses observed, the entire pavement is primarily affected by climate/durability factors. Block cracking and longitudinal and transverse cracking are the predominant distresses on nearly all pavement areas at CDW. Patching and raveling/weathering also contribute to PCI deductions on nearly all sections of the airport. Low/Medium localized depressions were observed in Taxiway H, Apron 1 Section 1, Apron 1 Section 2, Apron 3, and Apron 4. Low/Medium severity alligator cracking (load-related distress) was noticed on Taxiway P Section 1, Taxiway P Section 2, Apron 1 Section 1, and Apron 1 Section 2. High-severity shoving was observed on Apron 5, and slippage cracking was found on Taxiway B Section 2.



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 from 7/19/2021 to 7/27/2021 at Essex County Airport (CDW) and includes a comparison of the results to those obtained in 2014. The project site is located in Fairfield Township, Essex 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.

AID's work on this project was intended to collect PCI data on the primary airside pavement, which can be readily entered into the Airport Pavement Management System (APMS) for CDW. 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 CDW, a mill and overlay operation was reported for Runway 4-22 in 2020. A minor M&R activity on Runway 10-28 in 2018 and 2019 was also reported. This information was provided to AID by the airport personnel at CDW, specific details of the M&R activities were not provided. Google Earth imagery was used for the mapping of this project.

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 again 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 SF $\pm$ 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 rate 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 Rate 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 CDW between July 19 and July 27, 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 CDW, considered as a whole, is currently in the FAIR range with an overall average PCI of 60. This is a 2-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 majority of the airport pavement was in FAIR condition (55%), about a quarter was in POOR condition (26%), and the remainder was split between SATISFACTORY, GOOD, and VERY POOR in 2014 but it deteriorated to 40% POOR and 39% FAIR (with the remainder split between GOOD and VERY POOR) in 2021.

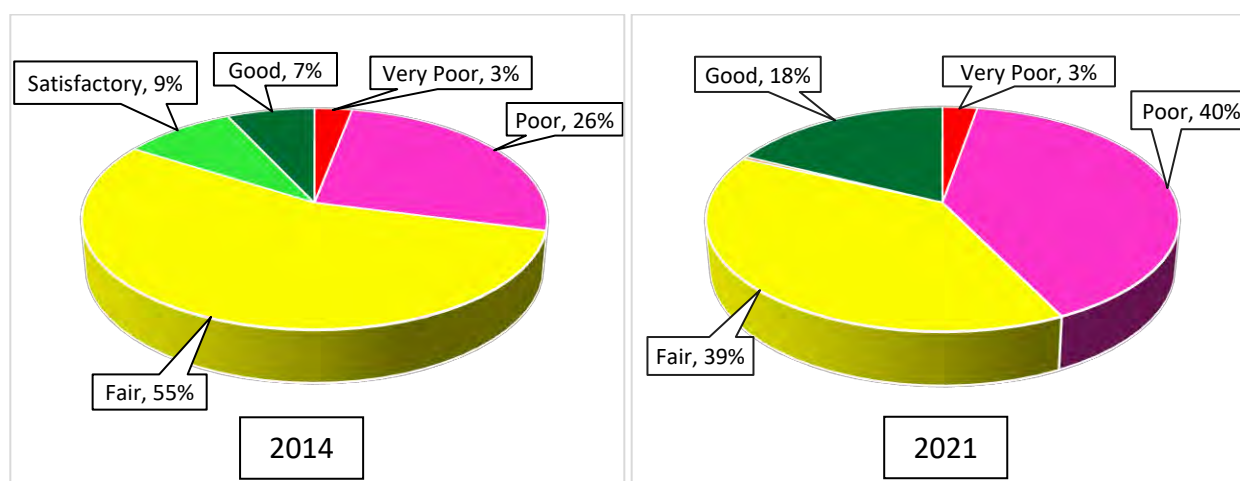


Figure 1. Comparison of Overall CDW PCI Category Breakdown in 2014 and 2021.

Figure 2 shows the PCI category breakdown by branch type in 2014 vs. 2021. The runways improved from being split between (56%) POOR and (44%) FAIR condition in 2014 to being mostly split between (64%) GOOD and (29%) FAIR condition in 2021. This improvement in condition is attributed to the M&R activities completed on both runways. The taxiways, which were mostly split between FAIR (60%) and SATISFACTORY (37%) in 2014, worsened to being mostly split between POOR (54%) and FAIR (31%) conditions in 2021. The percentage of pavement area in the apron that was FAIR and VERY POOR stayed nearly the same from 2014 to 2021 but the percentage of GOOD conditioned pavement decreased from 14% to 0% and the percentage of POOR conditioned pavement increased from 20% to 41%.

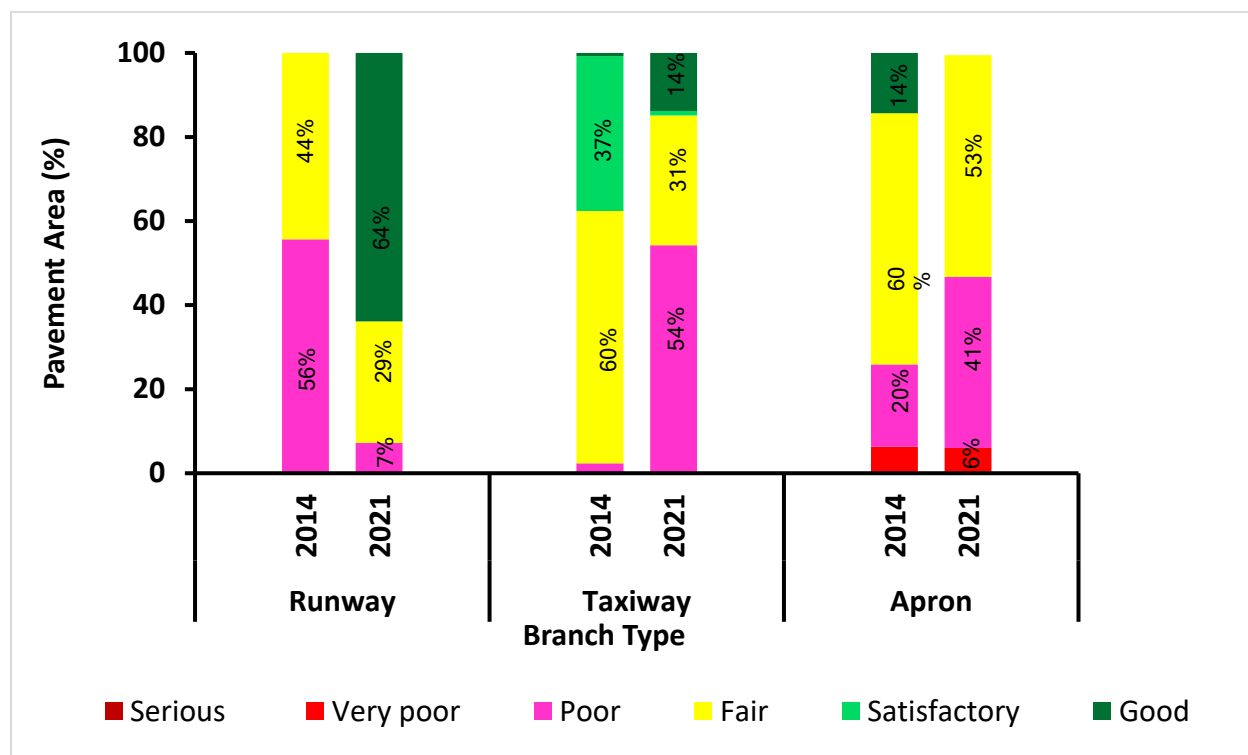


Figure 2. Comparison of PCI Category Breakdown by Branch Use in 2014 and 2021

Figure 3 shows the weighted average PCI change from 2014 to 2021 to visualize the rate of deterioration. The PCI deterioration rate for the taxiway and apron pavements were -1.6 and -1.9 PCI points/year, respectively. The overall PCI of the runway increased from 53 to 76 due to the M&R activities reported in 2018, 2019, and 2020.

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.

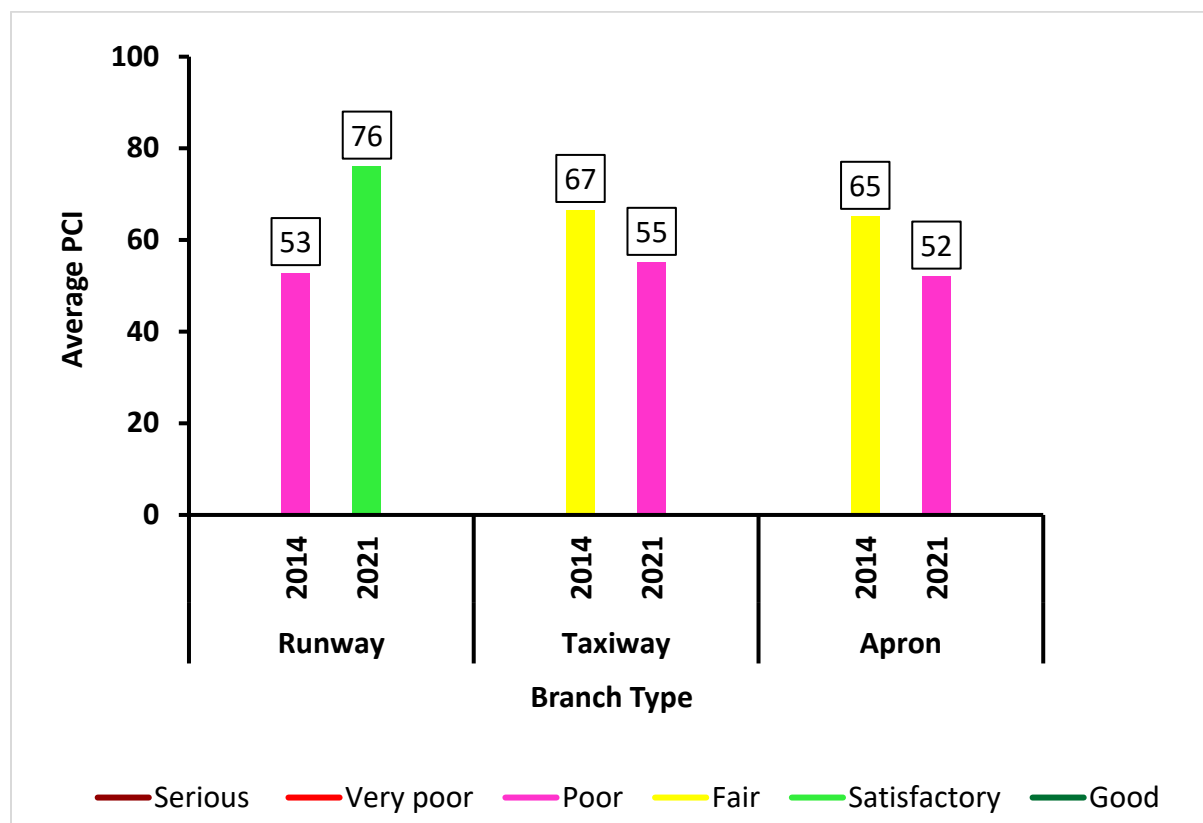


Figure 3. Comparison of Average PCI by Branch Use in 2014 and 2021.

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. Block cracking and longitudinal and transverse cracking are the predominant distresses on nearly all pavement at CDW. Patching and raveling/weathering also contribute to PCI deductions on nearly all sections of the airport. Low/Medium localized depressions were observed in Taxiway H, Apron 1 Section 1, Apron 1 Section 2, Apron 3, and Apron 4. Alligator cracking (load-related distress) was noticed on Taxiway B Section 2, Taxiway P Section 1, Taxiway P Section 2, Apron 1 Section 1, and Apron 1 Section 2. High-severity shoving was observed on Apron 5, and slippage cracking was found on Taxiway B Section 2. A photo log is included to visualize the typical condition in the 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 10-28	1	AC	264,841	53	14	0
Runway 10-28	2	AC	32,796	6	3	0
Runway 4-22	1	AC	373,862	74	15	0
Taxiway A	1	AC	9,271	2	2	0
Taxiway B	1	AC	42,206	9	4	0
Taxiway B	2	AC	21,365	4	4	0
Taxiway C	1	AC	7,469	1	1	0
Taxiway D	1	AC	10,005	2	2	0
Taxiway G	1	AC	7,850	1	1	0
Taxiway H	1	AC	112,491	23	9	0
Taxiway J	1	AC	4,683	1	1	0
Taxiway K	1	AC	4,535	1	1	0
Taxiway L	1	AC	4,302	1	1	0
Taxiway N	1	AC	153,966	32	10	1
Taxiway P	1	AC	139,805	26	11	0
Taxiway P	2	AC	47,931	10	4	0

Branch ID	Section ID	Surface Type	Total Area (sq. feet)	Total Sample Units	Sample Units Inspected	
					Random	Additional
Taxiway P	3	AC	3,547	1	1	0
Taxiway T	1	AC	3,227	1	1	0
Apron 1	1	AC	354,669	70	12	0
Apron 1	2	AC	141,833	27	9	0
Apron 1	3	AC	73,397	15	7	0
Apron 2	1	AC	67,980	14	6	0
Apron 3	1	AC	62,642	12	5	1
Apron 4	1	AC	71,012	16	7	1
Apron 5	1	AC	95,167	18	7	0
Apron 6	1	AC	122,650	24	9	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 10-28	1	60	Fair	60	Fair	47	Poor	46	Poor	Block cracking
	2			60	Fair			60	Fair	Block cracking
Runway 4-22	1	47	Poor	47	Poor	98	Good	98	Good	Longitudinal and transverse cracking
Taxiway A	1	64	Fair	64	Fair	55	Poor	55	Poor	Block cracking
Taxiway B	1	64	Fair	68	Fair	55	Poor	51	Poor	Block cracking
	2			56	Fair			58	Fair	Block cracking
Taxiway C	1	60	Fair	60	Fair	44	Poor	44	Poor	Block cracking
Taxiway D	1	42	Poor	42	Poor	43	Poor	43	Poor	Block cracking
Taxiway G	1	67	Fair	67	Fair	43	Poor	43	Poor	Block cracking



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	
Taxiway H	1	64	Fair	64	Fair	55	Poor	55	Poor	Block cracking
Taxiway J	1	81	Satisfactory	81	Satisfactory	70	Fair	70	Fair	Longitudinal and transverse cracking, and patching
Taxiway K	1	85	Satisfactory	85	Satisfactory	74	Satisfactory	74	Satisfactory	Longitudinal and transverse cracking
Taxiway L	1	87	Good	87	Good	72	Satisfactory	72	Satisfactory	Longitudinal and transverse cracking, and patching
Taxiway N	1	73	Satisfactory	73	Satisfactory	65	Fair	65	Fair	Longitudinal and transverse cracking
Taxiway P	1	64	Fair	62	Fair	49	Poor	44	Poor	Block cracking
	2			72	Satisfactory			61	Fair	Longitudinal and transverse cracking
	3			49	Poor			93	Good	Longitudinal and transverse cracking
Taxiway T	1	56	Fair	56	Fair	51	Poor	51	Poor	Longitudinal and transverse cracking
Apron 1	1	73	Satisfactory	67	Fair	58	Fair	57	Fair	Block cracking

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	
Apron 1	2	73	Satisfactory	93	Good	58	Fair	66	Fair	Longitudinal and transverse cracking, and Block cracking
	3			64	Fair			50	Poor	Block cracking
Apron 2	1	60	Fair	60	Fair	49	Poor	49	Poor	Block cracking
Apron 3	1	40	Very poor	40	Very poor	47	Poor	47	Poor	Block cracking
Apron 4	1	51	Poor	51	Poor	39	Very poor	39	Very poor	Block cracking
Apron 5	1	63	Fair	63	Fair	42	Poor	42	Poor	Block cracking
Apron 6	1	53	Poor	53	Poor	41	Poor	41	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 10-28	1		M			L	L					
	2		L/M				L					
Runway 4-22	1				L/M	L	L					
Taxiway A	1		M		M	M	L					
Taxiway B	1		L/M		L/M	M	M					
	2	H	L/M		L/M	L	L/M			N/A		
Taxiway C	1		M				M					
Taxiway D	1		M				M					
Taxiway G	1		M	L			M					
Taxiway H	1		L/M	L	L/M	M	L/M					
Taxiway J	1				L/M	M	L					
Taxiway K	1				L/M		L					

Branch ID	Section ID	Pavement Distresses										
		Alligator cracking	Block cracking	Depression	Long. & Trans. Cracking	Patching	Raveling/ weathering	Rutting	Shoving	Slippage Cracking	Swell	Others
Taxiway L	1				L/M	L/M	L					
Taxiway N	1		L		L/M/H	L/M	L					
Taxiway P	1	L/M	L/M		L/M/H	L/M/H	L/M					
	2	L	L		L/M/H	L/M/H	L/M					
	3				M							
Taxiway T	1				L		M					
Apron 1	1	L	L/M	L/M	L/M/H	L/M	L/M/H					Oil Spillage
	2	L/M	L/M	L/M	L/M		L/H					
	3		L/M		L/M/H	L/M/H	L/H					
Apron 2	1		M		M	H	L/M					
Apron 3	1		L/M	L/M		M/H	L/H					
Apron 4	1		L/M	L/M	L/M/H	L/M/H	L					
Apron 5	1		L/M		M	L/M	L		H			
Apron 6	1		M			L/M	L/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: CDW

Branch: RW 4-22

Section: N/A

Date: 7/20/2021

Latitude: 40.868027°

Longitude: -74.286194°

Description: L-Longitudinal Cracking; L-Weathering



Photo No: A-2

Airport Code: CDW

Branch: RW 10-28

Section: 1

Date: 7/21/2021

Latitude: 40.877356°

Longitude: -74.283203°

Description: M-Block Cracking; L-Weathering



Photo No: A-3

Airport Code: CDW

Branch: RW 10-28

Section: 1

Date: 7/21/2021

Latitude: 40.877485°

Longitude: -74.282992°

Description: M-Block Cracking; L-Weathering



Photo No: A-4

Airport Code: CDW

Branch: RW 10-28

Section: 1

Date: 7/21/2021

Latitude: 40.878197°

Longitude: -74.275019°

Description: M-Block Cracking; L-Weathering



Photo No: A-5

Airport Code: CDW

Branch: RW 10-28

Section: 2

Date: 7/21/2021

Latitude: 40.877750°

Longitude: -74.279799°

Description: L-Block Cracking; M-Weathering



Photo No: A-6

Airport Code: CDW

Branch: RW 10-28

Section: 2

Date: 7/21/2021

Latitude: 40.877890°

Longitude: -74.278118°

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



Photo No: A-7

Airport Code: CDW

Branch: Taxiway A

Section: N/A

Date: 7/21/2021

Latitude: 40.878017°

Longitude: -74.276963°

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



Photo No: A-8

Airport Code: CDW

Branch: Taxiway B

Section: 1

Date: 7/27/2021

Latitude: 40.875041°

Longitude: -74.281706°

Description: M-Block Cracking; M-Weathering



Photo No: A-9

Airport Code: CDW

Branch: Taxiway B

Section: 1

Date: 7/27/2021

Latitude: 40.876337°

Longitude: -74.283919°

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



Photo No: A-10

Airport Code: CDW

Branch: Taxiway B

Section: 2

Date: 7/20/2021

Latitude: 40.874394°

Longitude: -74.280795°

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



Photo No: A-11

Airport Code: CDW

Branch: Taxiway C

Section: N/A

Date: 7/21/2021

Latitude: 40.872247°

Longitude: -74.281920°

Description: M-Block Cracking; M-Weathering



Photo No: A-12

Airport Code: CDW

Branch: Taxiway D

Section: N/A

Date: 7/20/2021

Latitude: 40.871335°

Longitude: -74.282957°

Description: M-Block Cracking; M-Weathering



Photo No: A-13

Airport Code: CDW

Branch: Taxiway G

Section: N/A

Date: 7/20/2021

Latitude: 40.868193°

Longitude: -74.285469°

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



Photo No: A-14

Airport Code: CDW

Branch: Taxiway H

Section: N/A

Date: 7/19/2021

Latitude: 40.875191°

Longitude: -74.279550°

Description: L-Block Cracking; L-Weathering



Photo No: A-15

Airport Code: CDW

Branch: Taxiway J

Section: N/A

Date: 7/21/2021

Latitude: 40.868864°

Longitude: -74.275427°

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



Photo No: A-16

Airport Code: CDW

Branch: Taxiway K

Section: N/A

Date: 7/21/2021

Latitude: 40.877521°

Longitude: -74.274624°

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



Photo No: A-17

Airport Code: CDW

Branch: Taxiway L

Section: N/A

Date: 7/21/2021

Latitude: 40.877577°

Longitude: -74.274142

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



Photo No: A-18

Airport Code: CDW

Branch: Taxiway N

Section: N/A

Date: 7/21/2021

Latitude: 40.876989°

Longitude: -74.282704°

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



Photo No: A-19

Airport Code: CDW

Branch: Taxiway N

Section: N/A

Date: 7/21/2021

Latitude: 40.878192°

Longitude: -74.273587°

Description: L-Patching; L-Block Cracking; L-Weathering



Photo No: A-20

Airport Code: CDW

Branch: Taxiway P

Section: 1

Date: 7/26/2021

Latitude: 40.878274°

Longitude: -74.277765°

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



Photo No: A-21

Airport Code: CDW

Branch: Taxiway P

Section: 1

Date: 7/20/2021

Latitude: 40.872587°

Longitude: -74.281962°

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



Photo No: A-22

Airport Code: CDW

Branch: Taxiway P

Section: 2

Date: 7/20/2021

Latitude: 40.876685°

Longitude: -74.278813°

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



Photo No: A-23

Airport Code: CDW

Branch: Taxiway P

Section: 3

Date: 7/20/2021

Latitude: 40.869881°

Longitude: -74.277911°

Description: Minimal Distress



Photo No: A-24

Airport Code: CDW

Branch: Taxiway T

Section: N/A

Date: 7/20/2021

Latitude: 40.876685°

Longitude: -74.278813°

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



Photo No: A-25

Airport Code: CDW

Branch: Apron 1

Section: 1

Date: 7/26/2021

Latitude: 40.875872°

Longitude: -74.277068°

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



Photo No: A-26

Airport Code: CDW

Branch: Apron 1

Section: 1

Date: 7/26/2021

Latitude: 40.875495°

Longitude: -74.275990°

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



Photo No: A-27

Airport Code: CDW

Branch: Apron 1

Section: 1

Date: 7/27/2021

Latitude: 40.876950°

Longitude: -74.277830°

Description: L/M-Block Cracking



Photo No: A-28

Airport Code: CDW

Branch: Apron 1

Section: 2

Date: 7/26/2021

Latitude: 40.877418°

Longitude: -74.274591°

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



Photo No: A-29

Airport Code: CDW

Branch: Apron 1

Section: 3

Date: 7/26/2021

Latitude: 40.876545°

Longitude: -74.274933°

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



Photo No: A-30

Airport Code: CDW

Branch: Apron 2

Section: N/A

Date: 7/19/2021

Latitude: 40.875924°

Longitude: -74.278615°

Description: M-Block Cracking; L-Weathering



Photo No: A-30

Airport Code: CDW

Branch: Apron 3

Section: N/A

Date: 7/19/2021

Latitude: 40.873839°

Longitude: -74.280175°

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



Photo No: A-31

Airport Code: CDW

Branch: Apron 4

Section: N/A

Date: 7/19/2021

Latitude: 40.871963°

Longitude: -74.280059°

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



Photo No: A-32

Airport Code: CDW

Branch: Apron 5

Section: N/A

Date: 7/27/2021

Latitude: 40.875229°

Longitude: -74.282564°

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



Photo No: A-33

Airport Code: CDW

Branch: Apron 6

Section: N/A

Date: 7/27/2021

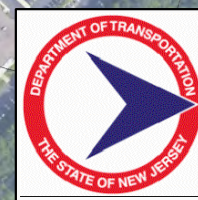
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Longitude: -74.282919°

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



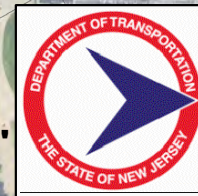
Appendix A: Layout and Results Maps



CDW-Essex County Airport

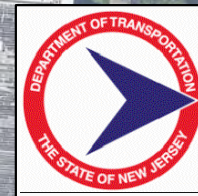
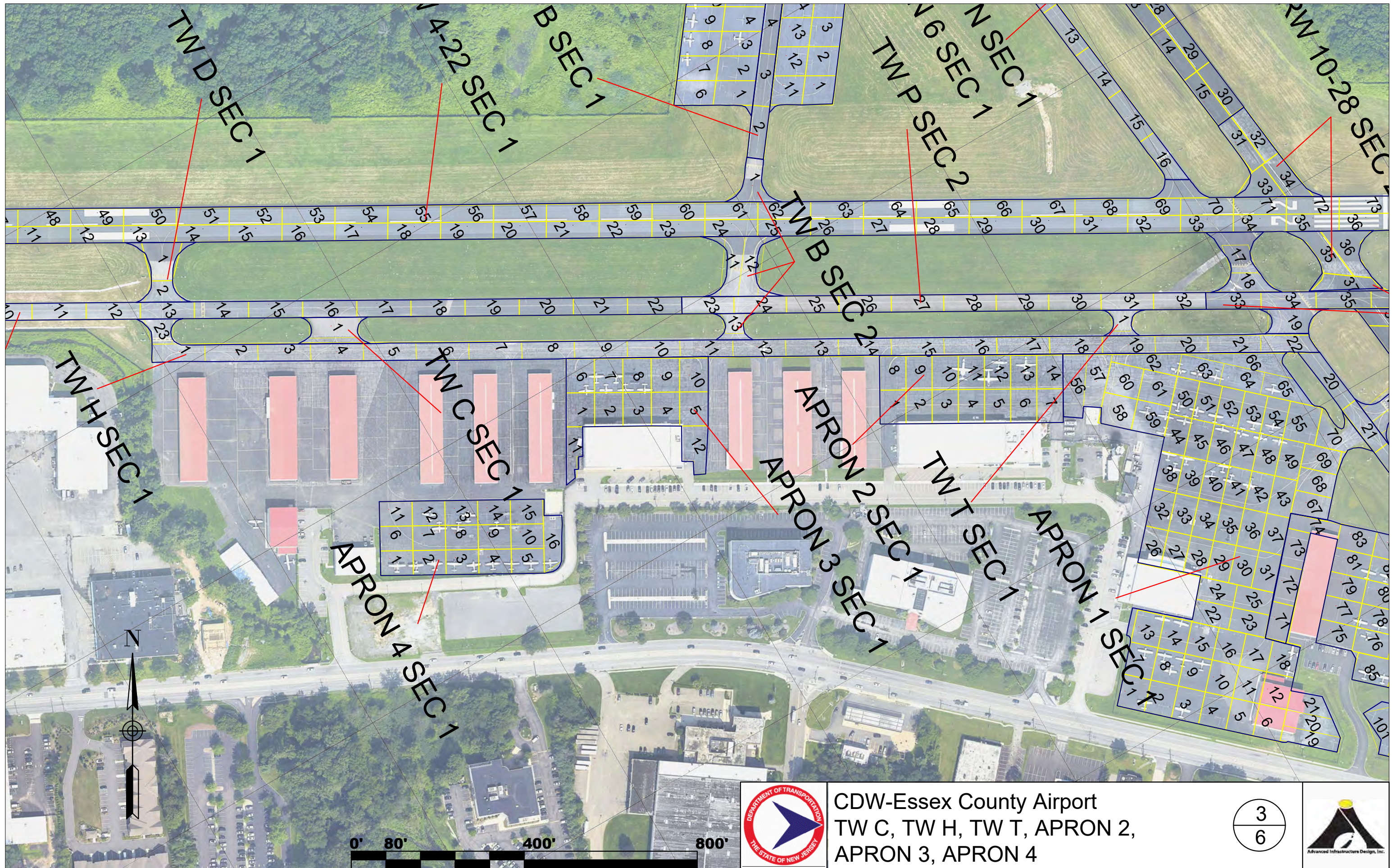
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CDW-Essex County Airport
RW 4-22, TW D, TW G, TW P

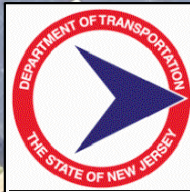
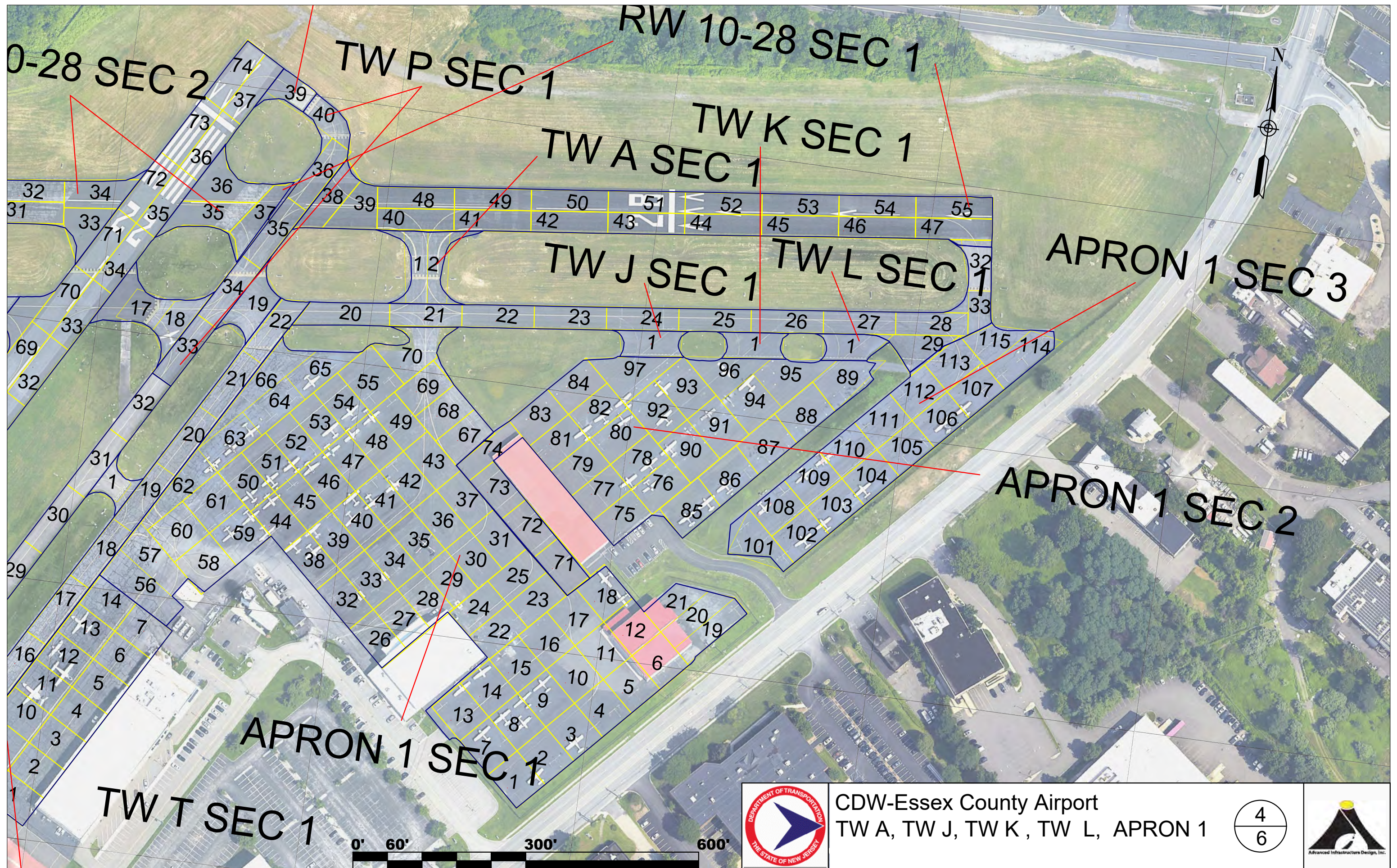




CDW-Essex County Airport
TW C, TW H, TW T, APRON 2,
APRON 3, APRON 4

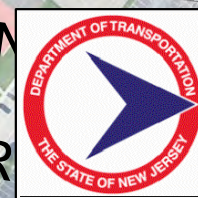
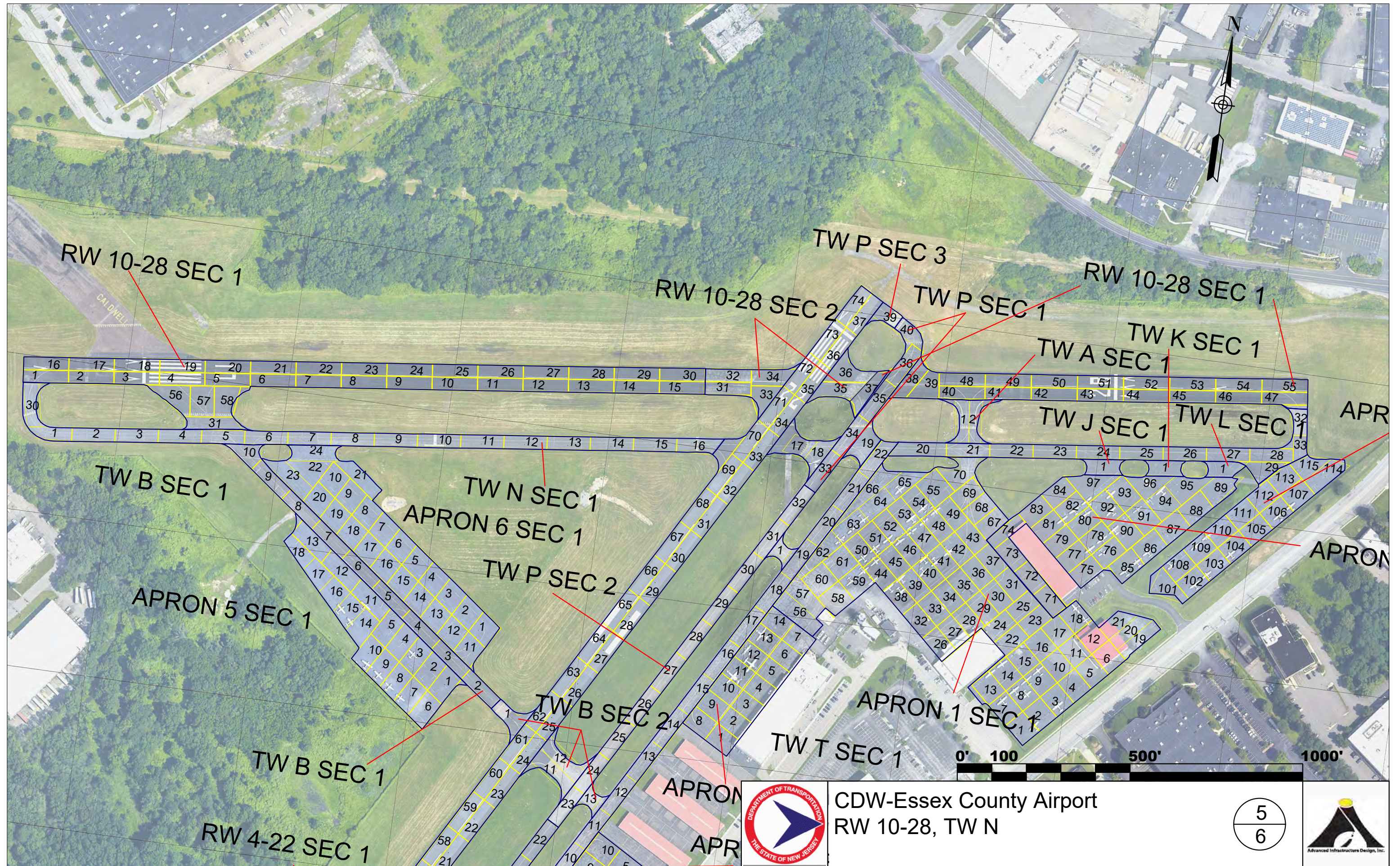
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CDW-Essex County Airport
TW A, TW J, TW K, TW L, APRON 1

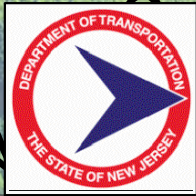
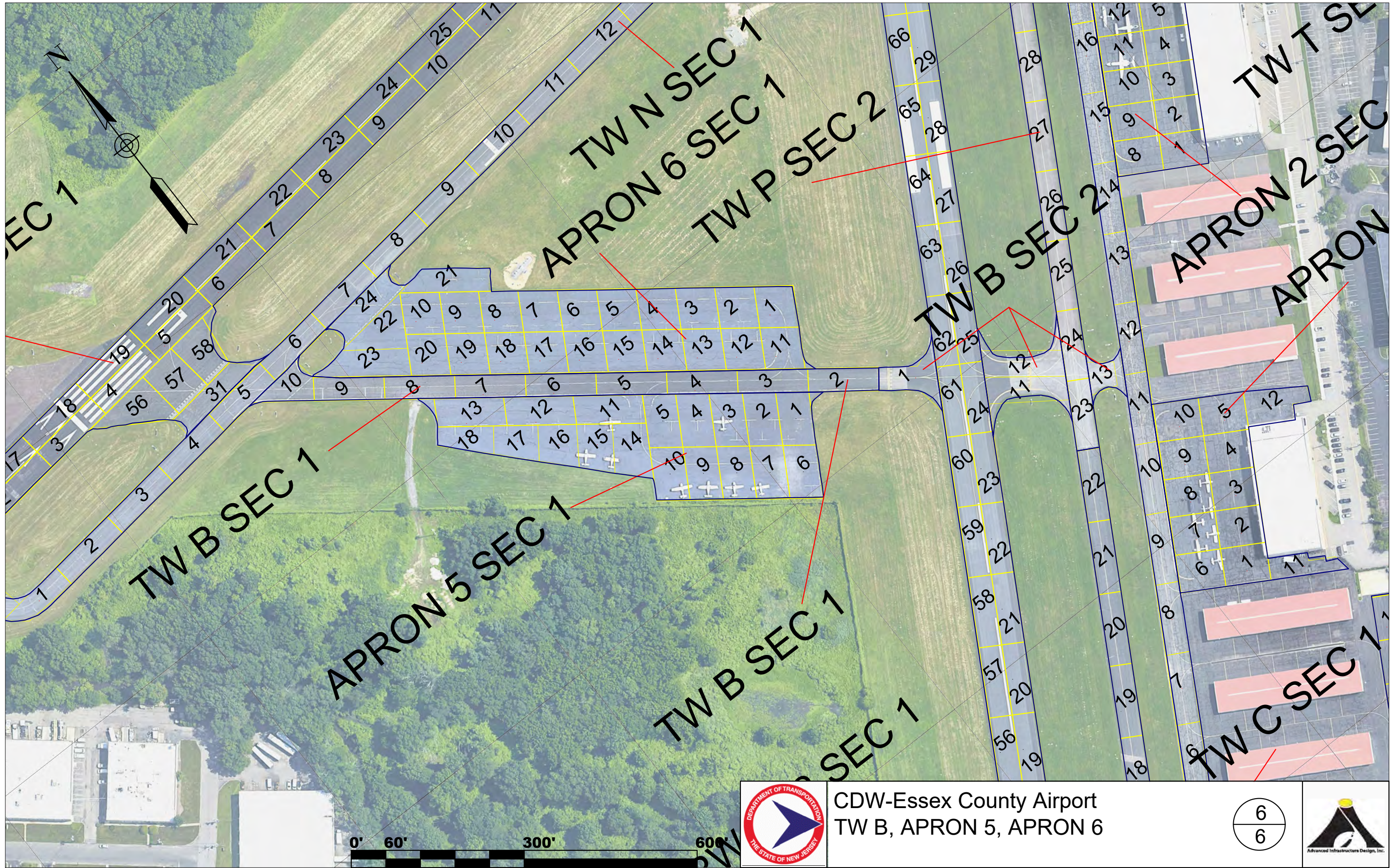




CDW-Essex County Airport
RW 10-28, TW N

5
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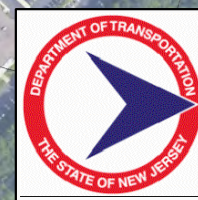
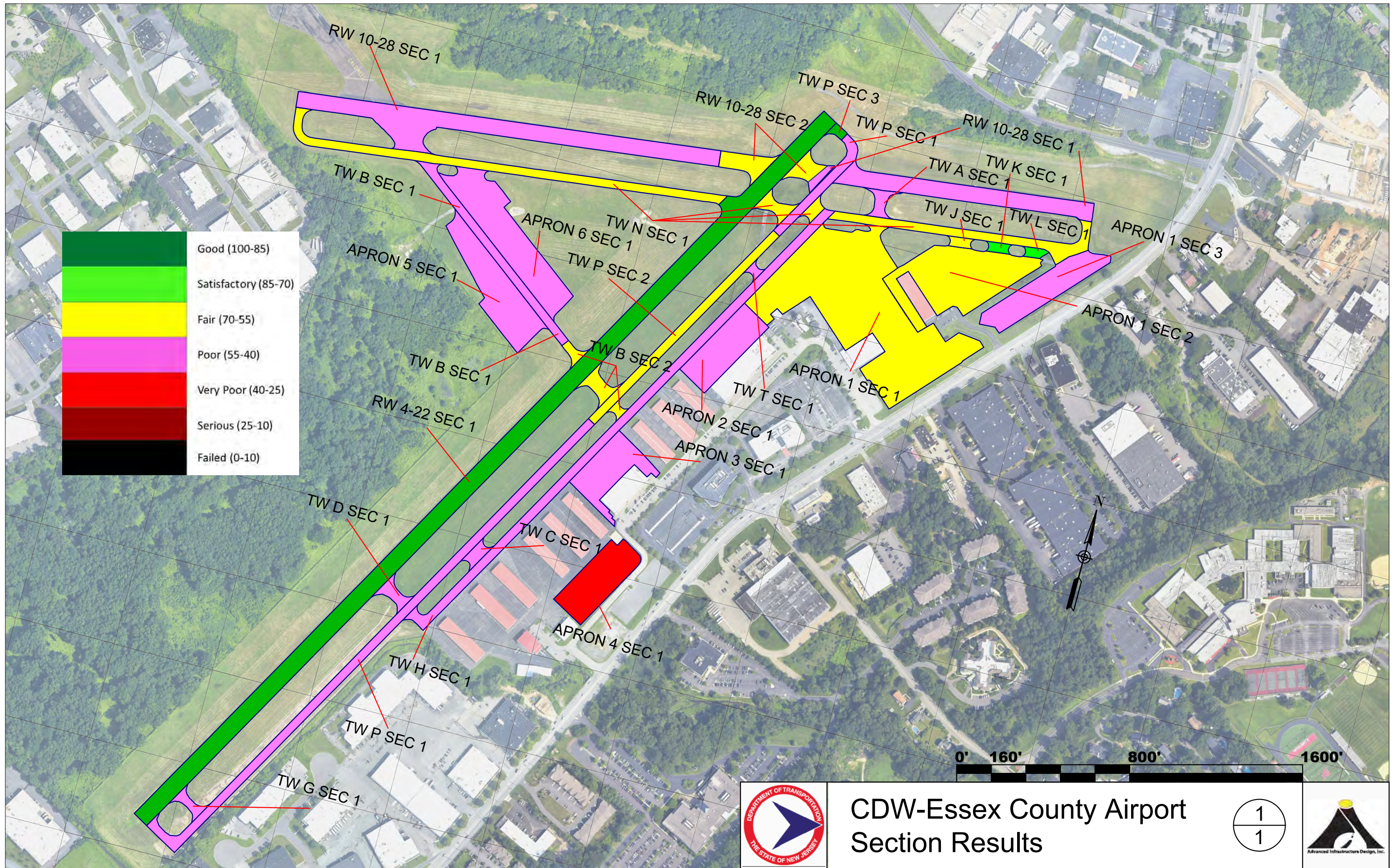




CDW-Essex County Airport
TW B, APRON 5, APRON 6

6
6





CDW-Essex County Airport Section Results





Appendix B: Detailed Data Reports

12/27/2023

Branch Listing Report

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Pavement Database: 2014-NJDOT-GA AIRPORTS

Network ID	Branch ID	Name	Use	Number of Sections	True Area (SqFt)	Comments
CDW	APR 1	Apron 1	APRON	3	569,899.00	
CDW	APR 2	Apron 2	APRON	1	67,980.00	
CDW	APR 3	Apron 3	APRON	1	62,642.00	
CDW	APR 4	Apron 4	APRON	1	71,012.00	
CDW	APR 5	Apron 5	APRON	1	95,167.00	
CDW	APR 6	Apron 6	APRON	1	122,650.00	
CDW	RW 10-28	Runway 10-28	RUNWAY	2	297,637.00	
CDW	RW 4-22	Runway 4-22	RUNWAY	1	373,862.00	
CDW	TW A	Taxiway A	TAXIWAY	1	9,271.00	
CDW	TW B	Taxiway B	TAXIWAY	2	63,571.00	
CDW	TW C	Taxiway C	TAXIWAY	1	7,469.00	
CDW	TW D	Taxiway D	TAXIWAY	1	10,005.00	
CDW	TW G	Taxiway G	TAXIWAY	1	7,850.00	
CDW	TW H	Taxiway H	TAXIWAY	1	112,491.00	
CDW	TW J	Taxiway J	TAXIWAY	1	4,683.00	
CDW	TW K	Taxiway K	TAXIWAY	1	4,535.00	
CDW	TW L	Taxiway L	TAXIWAY	1	4,302.00	
CDW	TW N	Taxiway N	TAXIWAY	1	153,966.00	
CDW	TW P	Taxiway P	TAXIWAY	3	191,283.00	
CDW	TW T	Taxiway T	TAXIWAY	1	3,227.00	

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:	20
Total Number of Sections:	26
Total True Area:	2,233,502.00 (SqFt)
Average Branch True Area:	111,675.10 (SqFt)

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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	3	1,680.00	390.67	569,899.00	APRON	57.57	6.67	58.30
APR 2	1	436.00	156.00	67,980.00	APRON	48.70	0.00	48.70
APR 3	1	335.00	187.00	62,642.00	APRON	47.40	0.00	47.40
APR 4	1	425.00	167.00	71,012.00	APRON	39.00	0.00	39.00
APR 5	1	650.00	146.00	95,167.00	APRON	42.10	0.00	42.10
APR 6	1	834.00	147.00	122,650.00	APRON	40.60	0.00	40.60
RW 10-28	2	3,968.00	75.00	297,637.00	RUNWAY	52.70	6.80	47.40
RW 4-22	1	4,673.00	80.00	373,862.00	RUNWAY	98.20	0.00	98.20
TW A	1	127.00	73.00	9,271.00	TAXIWAY	54.80	0.00	54.80
TW B	2	1,302.00	57.00	63,571.00	TAXIWAY	54.10	3.40	52.99
TW C	1	69.00	108.00	7,469.00	TAXIWAY	44.10	0.00	44.10
TW D	1	192.00	52.00	10,005.00	TAXIWAY	43.00	0.00	43.00
TW G	1	138.00	57.00	7,850.00	TAXIWAY	42.50	0.00	42.50
TW H	1	2,744.00	41.00	112,491.00	TAXIWAY	54.50	0.00	54.50
TW J	1	102.00	46.00	4,683.00	TAXIWAY	69.80	0.00	69.80
TW K	1	100.00	45.00	4,535.00	TAXIWAY	73.90	0.00	73.90
TW L	1	93.00	46.00	4,302.00	TAXIWAY	71.50	0.00	71.50
TW N	1	3,421.00	45.00	153,966.00	TAXIWAY	65.40	0.00	65.40
TW P	3	4,782.00	40.00	191,283.00	TAXIWAY	65.73	20.25	48.92
TW T	1	77.00	42.00	3,227.00	TAXIWAY	51.10	0.00	51.10

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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	8	989,350.00	48.81	8.47	51.81
RUNWAY	3	671,499.00	67.87	22.16	75.68
TAXIWAY	15	572,653.00	58.40	13.71	55.29
ALL	26	2,233,502.00	56.54	14.91	59.88

Pavement Database: 2014-NJDOT-GA AIRPORTS

NetworkId: CDW

Branch ID	Section ID	Last Const. Date	Surface	Use	Rank	Lanes	True Area (SqFt)	Last Inspection Date	Age At Inspection	PCI
APR 1	1	6/1/1993	AC	APRON	C	0	354,669.00	7/26/2021	28	57
APR 1	2	6/1/2009	AC	APRON	C	0	141,833.00	7/26/2021	12	66
APR 1	3	6/1/2009	AC	APRON	C	0	73,397.00	7/26/2021	12	49.7
APR 2	1	6/1/1993	AC	APRON	C	0	67,980.00	7/19/2021	28	48.7
APR 3	1	6/1/2008	AC	APRON	C	0	62,642.00	7/19/2021	13	47.4
APR 4	1	6/1/2008	AC	APRON	C	0	71,012.00	7/19/2021	13	39
APR 5	1	6/1/2009	AC	APRON	C	0	95,167.00	7/27/2021	12	42.1
APR 6	1	6/1/2009	AC	APRON	C	0	122,650.00	7/27/2021	12	40.6
RW 10-28	1	6/1/1993	AC	RUNWAY	A	0	264,841.00	7/21/2021	28	45.9
RW 10-28	2	6/1/2007	AC	RUNWAY	A	0	32,796.00	7/21/2021	14	59.5
RW 4-22	1	6/1/2007	AC	RUNWAY	A	0	373,862.00	7/20/2021	14	98.2
TW A	1	6/1/1993	AC	TAXIWAY	B	0	9,271.00	7/21/2021	28	54.8
TW B	1	6/1/2009	AC	TAXIWAY	B	0	42,206.00	7/21/2021	12	50.7
TW B	2	6/1/2007	AC	TAXIWAY	B	0	21,365.00	7/20/2021	14	57.5
TW C	1	6/1/2008	AC	TAXIWAY	B	0	7,469.00	7/21/2021	13	44.1
TW D	1	6/1/2007	AC	TAXIWAY	B	0	10,005.00	7/20/2021	14	43
TW G	1	6/1/2007	AC	TAXIWAY	B	0	7,850.00	7/20/2021	14	42.5
TW H	1	6/1/2008	AC	TAXIWAY	B	0	112,491.00	7/19/2021	13	54.5
TW J	1	6/1/2009	AC	TAXIWAY	B	0	4,683.00	7/21/2021	12	69.8
TW K	1	6/1/2009	AC	TAXIWAY	B	0	4,535.00	7/21/2021	12	73.9
TW L	1	6/1/2009	AC	TAXIWAY	B	0	4,302.00	7/21/2021	12	71.5
TW N	1	6/1/1993	AC	TAXIWAY	B	0	153,966.00	7/21/2021	28	65.4
TW P	1	6/1/2007	AC	TAXIWAY	B	0	139,805.00	7/20/2021	14	43.7
TW P	2	6/1/2007	AC	TAXIWAY	B	0	47,931.00	7/20/2021	14	60.9
TW P	3	6/1/2007	AC	TAXIWAY	B	0	3,547.00	7/20/2021	14	92.6
TW T	1	6/1/1993	AC	TAXIWAY	B	0	3,227.00	7/20/2021	28	51.1

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
11-15	13	1,379,548.00	20	57.36	16.55	63.29
26-30	28	853,954.00	6	53.82	6.34	54.37
ALL	16	2,233,502.00	26	56.54	14.91	59.88

Inspection Report

2014-NJDOT-GA AIRPORTS

Generated Date 12/27/2023

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Network:	CDW		Name:	Essex County Airport				
Branch:	APR 1	Name:	Apron 1	Use:	APRON	Area:	569,899 SqFt	
Section:	1	of 3	From:	Main APR	To:	TW H	Last Const.:	6/1/1993
Surface:	AC	Family:	DEFAULT	Zone:		Category:	Rank:	C
Area:	354,669 SqFt	Length:	887 Ft	Width:	400 Ft			
Slabs:		Slab Length:	Ft	Slab Width:	Ft	Joint Length:		Ft
Shoulder:		Street Type:		Grade:	0	Lanes:	0	
Section Comments:								
Work Date:	6/1/1993	Work Type: New Construction - Initial			Code:	NC-IN	Is Major M&R: True	
Work Date:	6/1/2007	Work Type: Crack Sealing - AC			Code:	CS-AC	Is Major M&R: False	
Last Insp. Date:	7/26/2021	TotalSamples:	70	Surveyed:	12			
Conditions:	PCI:	57						
Inspection Comments:								
Sample Number:	1	Type:	R	Area:	4931.00 SqFt	PCI:	69	
Sample Comments:								

Distress	Description	Severity	Quantity	Density	Deduct	Comments
48	L & T CR	M	16.00 Ft	0.3	6.7	
48	L & T CR	M	72.00 Ft	1.5	13.4	
48	L & T CR	M	20.00 Ft	0.4	7.5	
48	L & T CR	M	65.00 Ft	1.3	12.8	
50	PATCHING	M	6.00 SqFt	0.1	6.6	ANCHORS
57	WEATHERING	L	3945.00 SqFt	80.0	5.7	

Sample Number:	18	Type:	R	Area:	4931.00 SqFt	PCI: 58
Sample Comments:						

Distress	Description	Severity	Quantity	Density	Deduct	Comments
41	ALLIGATOR CR	L	10.00 SqFt	0.2	8.7	
41	ALLIGATOR CR	L	12.00 SqFt	0.2	9.6	
43	BLOCK CR	M	260.00 SqFt	5.3	19.2	
48	L & T CR	L	12.00 Ft	0.2	3.4	
48	L & T CR	L	8.00 Ft	0.2	2.8	
48	L & T CR	M	17.00 Ft	0.3	7.0	
48	L & T CR	M	20.00 Ft	0.4	7.5	
48	L & T CR	M	20.00 Ft	0.4	7.5	Entered at JT Reflection Crack, looks like a mistake, changed to LT
48	L & T CR	M	13.00 Ft	0.3	6.0	
48	L & T CR	M	17.00 Ft	0.3	7.0	
48	L & T CR	M	58.00 Ft	1.2	12.1	Entered as Jt Reflection Crack, this is a mistake, changed to LT
48	L & T CR	M	25.00 Ft	0.5	8.3	
48	L & T CR	M	62.00 Ft	1.3	12.5	
48	L & T CR	M	17.00 Ft	0.3	7.0	
50	PATCHING	L	33.00 SqFt	0.7	2.8	

50	PATCHING	M	5.00	SqFt	0.1	6.2	ANCHORS
Sample Number:	20	Type:	R	Area:	4600.00	SqFt	PCI: 42
Sample Comments:							
Distress	Description	Severity	Quantity	Density	Deduct	Comments	
43	BLOCK CR	M	3604.00	SqFt	78.3	48.3	
50	PATCHING	L	240.00	SqFt	5.2	10.2	
50	PATCHING	L	666.00	SqFt	14.5	17.5	
50	PATCHING	L	90.00	SqFt	2.0	5.5	
57	WEATHERING	M	3604.00	SqFt	78.3	18.7	
Sample Number:	23	Type:	R	Area:	4656.00	SqFt	PCI: 48
Sample Comments:							
Distress	Description	Severity	Quantity	Density	Deduct	Comments	
43	BLOCK CR	L	400.00	SqFt	8.6	16.2	
43	BLOCK CR	M	400.00	SqFt	8.6	22.3	
48	L & T CR	M	40.00	Ft	0.9	10.5	
48	L & T CR	M	14.00	Ft	0.3	6.5	
48	L & T CR	M	77.00	Ft	1.7	14.3	
48	L & T CR	M	55.00	Ft	1.2	12.1	Entered at JT Reflection Crack, looks like a mistake, changed to LT
48	L & T CR	M	55.00	Ft	1.2	12.1	
48	L & T CR	M	13.00	Ft	0.3	6.2	Entered at JT Reflection Crack, looks like a mistake, changed to LT
48	L & T CR	H	10.00	Ft	0.2	10.5	
49	OIL SPILLAGE	N	12.00	SqFt	0.3	2.7	
50	PATCHING	L	2.00	SqFt	0.0	2.0	ANCHORS
52	RAVELING	H	49.00	SqFt	1.1	17.5	
Sample Number:	26	Type:	R	Area:	4793.00	SqFt	PCI: 56
Sample Comments:							
Distress	Description	Severity	Quantity	Density	Deduct	Comments	
43	BLOCK CR	L	60.00	SqFt	1.3	8.5	
45	DEPRESSION	M	6.00	SqFt	0.1	5.3	
48	L & T CR	L	14.00	Ft	0.3	3.6	
48	L & T CR	L	15.00	Ft	0.3	3.6	
48	L & T CR	L	9.00	Ft	0.2	3.0	
48	L & T CR	L	12.00	Ft	0.3	3.4	
48	L & T CR	L	13.00	Ft	0.3	3.5	
48	L & T CR	M	15.00	Ft	0.3	6.6	
50	PATCHING	L	164.00	SqFt	3.4	7.9	
50	PATCHING	L	148.00	SqFt	3.1	7.4	
50	PATCHING	L	16.00	SqFt	0.3	2.2	
50	PATCHING	L	90.00	SqFt	1.9	5.3	
50	PATCHING	M	80.00	SqFt	1.7	11.5	

57	WEATHERING	L	4430.00	SqFt	92.4	5.9	
Sample Number:	34	Type:	R	Area:	4793.00	SqFt	PCI: 59
Sample Comments:							
Distress	Description	Severity	Quantity	Density	Deduct	Comments	
41	ALLIGATOR CR	L	12.00	SqFt	0.3	9.7	
41	ALLIGATOR CR	L	48.00	SqFt	1.0	20.5	
43	BLOCK CR	L	15.00	SqFt	0.3	5.4	
48	L & T CR	L	6.00	Ft	0.1	2.5	
48	L & T CR	M	55.00	Ft	1.1	12.0	
48	L & T CR	M	6.00	Ft	0.1	4.1	
48	L & T CR	M	8.00	Ft	0.2	4.6	
48	L & T CR	M	10.00	Ft	0.2	5.3	
50	PATCHING	L	7.00	SqFt	0.1	2.0	ANCHORS
52	RAVELING	H	6.00	SqFt	0.1	6.9	
57	WEATHERING	L	400.00	SqFt	8.3	1.5	
Sample Number:	38	Type:	R	Area:	4793.00	SqFt	PCI: 58
Sample Comments:							
Distress	Description	Severity	Quantity	Density	Deduct	Comments	
43	BLOCK CR	L	2396.50	SqFt	50.0	28.5	
49	OIL SPILLAGE	N	20.00	SqFt	0.4	3.0	
52	RAVELING	L	4768.00	SqFt	99.5	26.3	
52	RAVELING	H	25.00	SqFt	0.5	11.2	
Sample Number:	42	Type:	R	Area:	4793.00	SqFt	PCI: 47
Sample Comments:							
Distress	Description	Severity	Quantity	Density	Deduct	Comments	
43	BLOCK CR	M	2475.00	SqFt	51.6	41.4	
43	BLOCK CR	M	312.00	SqFt	6.5	20.5	
50	PATCHING	M	15.00	SqFt	0.3	7.5	
50	PATCHING	M	5.00	SqFt	0.1	6.3	ANCHORS
52	RAVELING	L	4793.00	SqFt	100.0	26.4	
Sample Number:	49	Type:	R	Area:	4793.00	SqFt	PCI: 64
Sample Comments:							
Distress	Description	Severity	Quantity	Density	Deduct	Comments	
43	BLOCK CR	L	104.00	SqFt	2.2	10.3	
48	L & T CR	M	55.00	Ft	1.1	12.0	
52	RAVELING	L	4793.00	SqFt	100.0	26.4	
Sample Number:	50	Type:	R	Area:	4793.00	SqFt	PCI: 57
Sample Comments:							
Distress	Description	Severity	Quantity	Density	Deduct	Comments	
41	ALLIGATOR CR	L	17.00	SqFt	0.4	11.9	
43	BLOCK CR	L	130.00	SqFt	2.7	11.1	

45	DEPRESSION	L	110.00	SqFt	2.3	12.3	
45	DEPRESSION	L	66.00	SqFt	1.4	8.6	
52	RAVELING	L	4600.00	SqFt	96.0	26.0	
57	WEATHERING	M	108.00	SqFt	2.3	2.4	

Sample Number:

53

Type:

R

Area:

4793.00 SqFt

PCI:

61

Sample Comments:

Distress	Description	Severity	Quantity		Density	Deduct	Comments
43	BLOCK CR	L	1917.00	SqFt	40.0	26.5	
50	PATCHING	M	3.00	SqFt	0.1	6.2	ANCHORS
52	RAVELING	L	4793.00	SqFt	100.0	26.4	

Sample Number:

9

Type:

R

Area:

4931.00 SqFt

PCI:

65

Sample Comments:

Distress	Description	Severity	Quantity		Density	Deduct	Comments
48	L & T CR	M	43.00	Ft	0.9	10.6	
48	L & T CR	M	65.00	Ft	1.3	12.8	
48	L & T CR	M	65.00	Ft	1.3	12.8	
48	L & T CR	M	21.00	Ft	0.4	7.7	
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	4.00	Ft	0.1	4.0	
48	L & T CR	M	4.00	Ft	0.1	4.0	
48	L & T CR	M	33.00	Ft	0.7	9.4	
50	PATCHING	M	8.00	SqFt	0.2	7.0	ANCHORS
57	WEATHERING	L	3944.00	SqFt	80.0	5.7	

Network:	CDW			Name:	Essex County Airport								
Branch:	APR 1		Name:	Apron 1		Use:	APRON	Area:	569,899 SqFt				
Section:	2	of	3	From:	East Apron			To:	TW N		Last Const.:	6/1/2009	
Surface:	AC		Family:	DEFAULT		Zone:				Category:	Rank:		C
Area:	141,833 SqFt		Length:	220 Ft		Width:	644 Ft						
Slabs:			Slab Length:	Ft		Slab Width:	Ft		Joint Length:	Ft			
Shoulder:			Street Type:			Grade:	0		Lanes:	0			
Section Comments:													
Work Date:	6/1/2009			Work Type:	New Construction - Initial			Code:	NC-IN		Is Major M&R:	True	
Last Insp. Date:	7/26/2021			TotalSamples:	27			Surveyed:	9				
Conditions:	PCI:	66											
Inspection Comments:													
Sample Number:	72	Type:	R	Area:	4718.00 SqFt			PCI:	70				
Sample Comments:													
Distress	Description	Severity	Quantity	Density	Deduct	Comments							
48	L & T CR	L	6.00 Ft	0.1	2.6								
48	L & T CR	L	12.00 Ft	0.3	3.4								
48	L & T CR	M	6.00 Ft	0.1	4.1								
48	L & T CR	M	23.00 Ft	0.5	8.2								
48	L & T CR	M	12.00 Ft	0.3	5.9								
48	L & T CR	M	16.00 Ft	0.3	6.9								
48	L & T CR	M	5.00 Ft	0.1	4.0								
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	85.00 Ft	1.8	14.9								
48	L & T CR	M	6.00 Ft	0.1	4.1								
48	L & T CR	M	3.00 Ft	0.1	4.0								
48	L & T CR	M	39.00 Ft	0.8	10.3								
57	WEATHERING	L	4718.00 SqFt	100.0	6.0								
Sample Number:	75	Type:	R	Area:	4872.00 SqFt			PCI:	65				
Sample Comments:													
Distress	Description	Severity	Quantity	Density	Deduct	Comments							
41	ALLIGATOR CR	L	20.00 SqFt	0.4	12.9								
43	BLOCK CR	M	280.00 SqFt	5.7	19.7								
48	L & T CR	L	9.00 Ft	0.2	3.0								
48	L & T CR	M	55.00 Ft	1.1	11.9								
48	L & T CR	M	4.00 Ft	0.1	4.0								
48	L & T CR	M	55.00 Ft	1.1	11.9								
48	L & T CR	M	20.00 Ft	0.4	7.6								
57	WEATHERING	L	4872.00 SqFt	100.0	6.0								
Sample Number:	78	Type:	R	Area:	4872.00 SqFt			PCI:	68				
Sample Comments:													

Distress	Description	Severity	Quantity		Density	Deduct	Comments
48	L & T CR	M	55.00	Ft	1.1	11.9	Entered at JT Reflection Crack, looks like a mistake, changed to LT
48	L & T CR	M	67.00	Ft	1.4	13.0	
48	L & T CR	M	57.00	Ft	1.2	12.1	
50	PATCHING	M	16.00	SqFt	0.3	7.6	ANCHORS
57	WEATHERING	L	4856.00	SqFt	99.7	6.0	

Sample Number: 79
Type: R
Area: 4872.00 SqFt
PCI: 60

Sample Comments:

Distress	Description	Severity	Quantity		Density	Deduct	Comments
41	ALLIGATOR CR	M	7.00	SqFt	0.1	12.9	
43	BLOCK CR	M	154.00	SqFt	3.2	16.5	
48	L & T CR	M	57.00	Ft	1.2	12.1	
48	L & T CR	M	18.00	Ft	0.4	7.2	
48	L & T CR	M	57.00	Ft	1.2	12.1	
48	L & T CR	M	18.00	Ft	0.4	7.2	
57	WEATHERING	L	4564.00	SqFt	93.7	5.9	
57	WEATHERING	H	154.00	SqFt	3.2	13.4	

Sample Number: 82
Type: R
Area: 4872.00 SqFt
PCI: 62

Sample Comments:

Distress	Description	Severity	Quantity		Density	Deduct	Comments
43	BLOCK CR	L	1275.00	SqFt	26.2	23.1	
48	L & T CR	M	30.00	Ft	0.6	9.1	
48	L & T CR	M	21.00	Ft	0.4	7.8	
48	L & T CR	M	85.00	Ft	1.7	14.7	
50	PATCHING	M	16.00	SqFt	0.3	7.6	ANCHORS
57	WEATHERING	L	4856.00	SqFt	99.7	6.0	

Sample Number: 83
Type: R
Area: 4872.00 SqFt
PCI: 63

Sample Comments:

Distress	Description	Severity	Quantity		Density	Deduct	Comments
41	ALLIGATOR CR	M	13.00	SqFt	0.3	17.7	
43	BLOCK CR	M	56.00	SqFt	1.1	12.4	
48	L & T CR	M	7.00	Ft	0.1	4.3	
50	PATCHING	M	12.00	SqFt	0.2	7.4	ANCHORS
57	WEATHERING	L	4860.00	SqFt	99.8	6.0	

Sample Number: 88
Type: R
Area: 5552.00 SqFt
PCI: 71

Sample Comments:

Distress	Description	Severity	Quantity		Density	Deduct	Comments
48	L & T CR	L	31.00	Ft	0.6	4.2	
48	L & T CR	M	85.00	Ft	1.5	13.7	
48	L & T CR	M	85.00	Ft	1.5	13.7	
50	PATCHING	L	12.00	SqFt	0.2	2.0	ANCHORS

50	PATCHING	L	12.00	SqFt	0.2	2.0	ANCH ORS
57	WEATHERING	L	5540.00	SqFt	99.8	6.0	
Sample Number: 91		Type: R	Area:		5876.00 SqFt		PCI: 69
Sample Comments:							
Distress	Description	Severity	Quantity		Density	Deduct	Comments
48	L & T CR	M	25.00	Ft	0.4	7.7	
48	L & T CR	M	20.00	Ft	0.3	6.9	
48	L & T CR	M	65.00	Ft	1.1	11.8	
48	L & T CR	M	60.00	Ft	1.0	11.3	
48	L & T CR	M	40.00	Ft	0.7	9.5	
50	PATCHING	M	28.00	SqFt	0.5	7.9	ANCHORS
57	WEATHERING	L	5848.00	SqFt	99.5	6.0	
Sample Number: 92		Type: R	Area:		5876.00 SqFt		PCI: 65
Sample Comments:							
Distress	Description	Severity	Quantity		Density	Deduct	Comments
43	BLOCK CR	L	104.00	SqFt	1.8	9.6	
43	BLOCK CR	M	208.00	SqFt	3.5	17.1	
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	8.00	Ft	0.1	2.6	
48	L & T CR	L	8.00	Ft	0.1	2.6	
48	L & T CR	L	5.00	Ft	0.1	2.5	
48	L & T CR	M	19.00	Ft	0.3	6.7	
48	L & T CR	M	65.00	Ft	1.1	11.8	
48	L & T CR	M	57.00	Ft	1.0	11.1	
48	L & T CR	M	65.00	Ft	1.1	11.8	
50	PATCHING	L	20.00	SqFt	0.3	2.2	ANCHORS
57	WEATHERING	L	5856.00	SqFt	99.7	6.0	

Network:	CDW			Name:	Essex County Airport									
Branch:	APR 1		Name:	Apron 1		Use:	APRON	Area:	569,899 SqFt					
Section:	3	of	3	From:	RN Ramp			To:	East Apron		Last Const.:	6/1/2009		
Surface:	AC		Family:	DEFAULT		Zone:				Category:	Rank:		C	
Area:	73,397 SqFt		Length:	573 Ft		Width:	128 Ft							
Slabs:	Slab Length:			Ft		Slab Width:			Ft		Joint Length:		Ft	
Shoulder:	Street Type:			Grade:			0		Lanes:		0			
Section Comments:														
Work Date:	6/1/2009			Work Type:				New Construction - Initial			Code:	NC-IN	Is Major M&R:	True
Last Insp. Date:	7/26/2021			TotalSamples:		15		Surveyed:						7
Conditions:	PCI:	50												
Inspection Comments:														
Sample Number:	101		Type:	R	Area:			5680.00 SqFt			PCI:	53		
Sample Comments:														
Distress	Description		Severity	Quantity		Density	Deduct	Comments						
48	L & T CR		L	12.00 Ft		0.2	3.2							
48	L & T CR		L	8.00 Ft		0.1	2.7							
48	L & T CR		L	6.00 Ft		0.1	2.5							
48	L & T CR		M	62.00 Ft		1.1	11.7							
48	L & T CR		M	42.00 Ft		0.7	9.8							
48	L & T CR		M	8.00 Ft		0.1	4.3							
48	L & T CR		M	51.00 Ft		0.9	10.7							
48	L & T CR		M	8.00 Ft		0.1	4.3							
48	L & T CR		M	41.00 Ft		0.7	9.7							
48	L & T CR		M	12.00 Ft		0.2	5.3							
48	L & T CR		M	33.00 Ft		0.6	8.9							
48	L & T CR		M	50.00 Ft		0.9	10.6							
48	L & T CR		H	20.00 Ft		0.4	12.6							
50	PATCHING		M	9.00 SqFt		0.2	7.0		ANCHORS					
52	RAVELING		L	5680.00 SqFt		100.0	26.4							
Sample Number:	103		Type:	R	Area:			4752.00 SqFt			PCI:	57		
Sample Comments:														
Distress	Description		Severity	Quantity		Density	Deduct	Comments						
43	BLOCK CR		L	1200.00 SqFt		25.3	22.9							
43	BLOCK CR		M	1200.00 SqFt		25.3	32.0							
50	PATCHING		H	6.00 SqFt		0.1	15.7		ANCHORS					
Sample Number:	105		Type:	R	Area:			4752.00 SqFt			PCI:	47		
Sample Comments:														
Distress	Description		Severity	Quantity		Density	Deduct	Comments						
43	BLOCK CR		L	1200.00 SqFt		25.3	22.9							
43	BLOCK CR		M	1200.00 SqFt		25.3	32.0							
50	PATCHING		H	5.00 SqFt		0.1	15.5		ANCHORS					
52	RAVELING		L	2350.00 SqFt		49.5	20.2							

57	WEATHERING	H	12.00	SqFt	0.3	4.7	
Sample Number: 108 Type: R Area: 4752.00 SqFt PCI: 61							
Sample Comments:							
Distress	Description	Severity	Quantity		Density	Deduct	Comments
48	L & T CR	M	78.00	Ft	1.6	14.2	
48	L & T CR	M	30.00	Ft	0.6	9.2	
48	L & T CR	M	18.00	Ft	0.4	7.3	
48	L & T CR	M	6.00	Ft	0.1	4.1	
48	L & T CR	M	50.00	Ft	1.1	11.5	
48	L & T CR	M	30.00	Ft	0.6	9.2	
50	PATCHING	L	120.00	SqFt	2.5	6.5	
50	PATCHING	H	3.00	SqFt	0.1	15.5	ANCHORS
52	RAVELING	L	2300.00	SqFt	48.4	20.0	
Sample Number: 110 Type: R Area: 4752.00 SqFt PCI: 47							
Sample Comments:							
Distress	Description	Severity	Quantity		Density	Deduct	Comments
43	BLOCK CR	M	2035.00	SqFt	42.8	38.6	
50	PATCHING	L	68.00	SqFt	1.4	4.5	
50	PATCHING	H	3.00	SqFt	0.1	15.5	ANCHORS
52	RAVELING	L	2376.00	SqFt	50.0	20.3	
Sample Number: 112 Type: R Area: 4752.00 SqFt PCI: 42							
Sample Comments:							
Distress	Description	Severity	Quantity		Density	Deduct	Comments
43	BLOCK CR	L	2138.00	SqFt	45.0	27.5	
43	BLOCK CR	M	2138.00	SqFt	45.0	39.3	
52	RAVELING	L	3801.00	SqFt	80.0	24.3	
Sample Number: 114 Type: R Area: 5900.00 SqFt PCI: 43							
Sample Comments:							
Distress	Description	Severity	Quantity		Density	Deduct	Comments
43	BLOCK CR	M	3280.00	SqFt	55.6	42.5	
48	L & T CR	M	12.00	Ft	0.2	5.2	
48	L & T CR	M	50.00	Ft	0.8	10.4	
50	PATCHING	H	6.00	SqFt	0.1	15.5	ANCH ORS
52	RAVELING	L	5900.00	SqFt	100.0	26.4	

Network:	CDW			Name:	Essex County Airport								
Branch:	APR 2		Name:	Apron 2		Use:	APRON	Area:	67,980 SqFt				
Section:	1	of	1	From:	TW H			To:	Hangars		Last Const.:	6/1/1993	
Surface:	AC		Family:	DEFAULT		Zone:				Category:	Rank:		C
Area:	67,980 SqFt		Length:	436 Ft		Width:	156 Ft						
Slabs:			Slab Length:	Ft		Slab Width:	Ft			Joint Length:	Ft		
Shoulder:			Street Type:			Grade:	0			Lanes:	0		
Section Comments:													
Work Date:	6/1/1993			Work Type:	New Construction - Initial			Code:	NC-IN		Is Major M&R:	True	
Work Date:	6/1/2007			Work Type:	Crack Sealing - AC			Code:	CS-AC		Is Major M&R:	False	
Last Insp. Date:	7/19/2021			TotalSamples:	14			Surveyed:	6				
Conditions:	PCI: 49												
Inspection Comments:													
Sample Number:	10		Type:	R	Area:	4759.00 SqFt			PCI:	36			
Sample Comments:													
Distress	Description		Severity	Quantity		Density	Deduct	Comments					
43	BLOCK CR		M	4283.00	SqFt	90.0	50.9						
52	RAVELING		M	2379.00	SqFt	50.0	42.2						
Sample Number:	13		Type:	R	Area:	4759.00 SqFt			PCI:	37			
Sample Comments:													
Distress	Description		Severity	Quantity		Density	Deduct	Comments					
43	BLOCK CR		M	4759.00	SqFt	100.0	53.0						
50	PATCHING		H	6.00	SqFt	0.1	15.7	Anchors					
57	WEATHERING		L	4759.00	SqFt	100.0	6.0						
Sample Number:	14		Type:	R	Area:	4759.00 SqFt			PCI:	84			
Sample Comments:													
Distress	Description		Severity	Quantity		Density	Deduct	Comments					
50	PATCHING		H	5.00	SqFt	0.1	15.5	Anchors					
Sample Number:	2		Type:	R	Area:	4759.00 SqFt			PCI:	44			
Sample Comments:													
Distress	Description		Severity	Quantity		Density	Deduct	Comments					
43	BLOCK CR		M	4283.00	SqFt	90.0	50.9						
52	RAVELING		L	2379.00	SqFt	50.0	20.3						
Sample Number:	4		Type:	R	Area:	4759.00 SqFt			PCI:	46			
Sample Comments:													
Distress	Description		Severity	Quantity		Density	Deduct	Comments					
43	BLOCK CR		M	2944.00	SqFt	61.9	44.2						
48	L & T CR		M	33.00	Ft	0.7	9.6						
48	L & T CR		M	55.00	Ft	1.2	12.0						
48	L & T CR		M	33.00	Ft	0.7	9.6						
52	RAVELING		L	3569.00	SqFt	75.0	23.7						
Sample Number:	6		Type:	R	Area:	4759.00 SqFt			PCI:	45			
Sample Comments:													

Distress	Description	Severity	Quantity		Density	Deduct	Comments
43	BLOCK CR	M	4045.00	SqFt	85.0	49.8	
57	WEATHERING	L	4759.00	SqFt	100.0	6.0	

Network:	CDW			Name:	Essex County Airport								
Branch:	APR 3		Name:	Apron 3		Use:	APRON	Area:	62,642 SqFt				
Section:	1	of	1	From:	TW H			To:	Hangars		Last Const.:	6/1/2008	
Surface:	AC		Family:	DEFAULT		Zone:				Category:	Rank:		C
Area:	62,642 SqFt		Length:	335 Ft		Width:	187 Ft						
Slabs:			Slab Length:	Ft		Slab Width:	Ft			Joint Length:	Ft		
Shoulder:			Street Type:			Grade:	0			Lanes:	0		
Section Comments:													
Work Date:	6/1/2008			Work Type:	New Construction - Initial			Code:	NC-IN		Is Major M&R:	True	
Last Insp. Date:	7/19/2021			TotalSamples:	12			Surveyed:	6				
Conditions:	PCI:		47										
Inspection Comments:													
Sample Number:	1		Type:	R		Area:	5261.90 SqFt			PCI:	59		
Sample Comments:													
Distress	Description		Severity	Quantity		Density	Deduct	Comments					
43	BLOCK CR		L	5261.90 SqFt		100.0	35.6						
50	PATCHING		M	49.00 SqFt		0.9	9.2						
50	PATCHING		M	143.00 SqFt		2.7	14.4						
Sample Number:	10		Type:	A		Area:	5261.90 SqFt			PCI:	47		
Sample Comments:													
Distress	Description		Severity	Quantity		Density	Deduct	Comments					
43	BLOCK CR		L	5261.90 SqFt		100.0	35.6						
45	DEPRESSION		M	18.00 SqFt		0.3	8.4						
45	DEPRESSION		M	143.00 SqFt		2.7	24.8						
45	DEPRESSION		M	30.00 SqFt		0.6	11.4						
50	PATCHING		H	4.00 SqFt		0.1	15.5	anchors					
57	WEATHERING		L	2867.00 SqFt		54.5	5.0						
Sample Number:	11		Type:	R		Area:	4042.00 SqFt			PCI:	49		
Sample Comments:													
Distress	Description		Severity	Quantity		Density	Deduct	Comments					
43	BLOCK CR		L	4042.00 SqFt		100.0	35.6						
45	DEPRESSION		L	36.00 SqFt		0.9	6.0						
45	DEPRESSION		L	27.00 SqFt		0.7	4.5						
45	DEPRESSION		M	24.00 SqFt		0.6	11.7						
45	DEPRESSION		M	60.00 SqFt		1.5	19.0						
45	DEPRESSION		M	12.00 SqFt		0.3	7.7						
57	WEATHERING		L	4042.00 SqFt		100.0	6.0						
Sample Number:	12		Type:	R		Area:	5734.00 SqFt			PCI:	40		
Sample Comments:													
Distress	Description		Severity	Quantity		Density	Deduct	Comments					
43	BLOCK CR		M	4873.00 SqFt		85.0	49.8						
50	PATCHING		H	6.00 SqFt		0.1	15.5	Anchors					
52	RAVELING		H	16.00 SqFt		0.3	8.6						

Sample Number: 4		Type: R	Area: 5261.90 SqFt		PCI: 45	
Sample Comments:						
Distress	Description	Severity	Quantity	Density	Deduct	Comments
43	BLOCK CR	M	4472.00 SqFt	85.0	49.8	
57	WEATHERING	L	2630.00 SqFt	50.0	4.8	

Sample Number: 8		Type: R	Area: 5261.90 SqFt		PCI: 44	
Sample Comments:						
Distress	Description	Severity	Quantity	Density	Deduct	Comments
43	BLOCK CR	M	4735.00 SqFt	90.0	50.9	
50	PATCHING	H	5.00 SqFt	0.1	15.5	Anchor

Network:	CDW			Name:	Essex County Airport										
Branch:	APR 4		Name:	Apron 4		Use:	APRON	Area:	71,012 SqFt						
Section:	1	of	1	From:	D Ramp South			To:	Hangars		Last Const.:	6/1/2008			
Surface:	AC		Family:	DEFAULT		Zone:		Category:		Rank:	C				
Area:	71,012 SqFt		Length:	425 Ft		Width:	167 Ft								
Slabs:	Slab Length:			Ft		Slab Width:			Ft		Joint Length:	Ft			
Shoulder:	Street Type:			Grade:			0		Lanes:	0					
Section Comments:															
Work Date:	6/1/2008			Work Type:				New Construction - Initial			Code:	NC-IN	Is Major M&R:	True	
Last Insp. Date:	7/19/2021			TotalSamples:			16			Surveyed:				8	
Conditions:	PCI:	39													
Inspection Comments:															
Sample Number:	1	Type:	R	Area:			4382.00 SqFt			PCI:	42				
Sample Comments:															
Distress	Description		Severity	Quantity		Density	Deduct	Comments							
43	BLOCK CR		M	4382.00	SqFt	100.0	53.0								
57	WEATHERING		L	4382.00	SqFt	100.0	6.0								
Sample Number:	11	Type:	R	Area:			4382.00 SqFt			PCI:	36				
Sample Comments:															
Distress	Description		Severity	Quantity		Density	Deduct	Comments							
43	BLOCK CR		L	2191.00	SqFt	50.0	28.5								
43	BLOCK CR		M	1971.00	SqFt	45.0	39.3								
45	DEPRESSION		L	88.00	SqFt	2.0	11.3								
45	DEPRESSION		L	21.00	SqFt	0.5	3.1								
48	L & T CR		L	30.00	Ft	0.7	4.4								
48	L & T CR		M	5.00	Ft	0.1	4.0								
48	L & T CR		M	28.00	Ft	0.6	9.2								
48	L & T CR		H	12.00	Ft	0.3	11.4								
57	WEATHERING		L	4382.00	SqFt	100.0	6.0								
Sample Number:	13	Type:	R	Area:			4382.00 SqFt			PCI:	32				
Sample Comments:															
Distress	Description		Severity	Quantity		Density	Deduct	Comments							
43	BLOCK CR		L	525.00	SqFt	12.0	18.0								
43	BLOCK CR		M	3857.00	SqFt	88.0	50.5								
45	DEPRESSION		M	2.00	SqFt	0.0	5.2								
50	PATCHING		H	6.00	SqFt	0.1	15.7	Anchors							
57	WEATHERING		L	4382.00	SqFt	100.0	6.0								
Sample Number:	16	Type:	R	Area:			5278.00 SqFt			PCI:	39				
Sample Comments:															
Distress	Description		Severity	Quantity		Density	Deduct	Comments							
43	BLOCK CR		L	2639.00	SqFt	50.0	28.5								
43	BLOCK CR		M	2639.00	SqFt	50.0	40.9								
50	PATCHING		L	51.75	SqFt	1.0	3.5								

50	PATCHING	L	2.50	SqFt	0.0	2.0	
50	PATCHING	L	6.00	SqFt	0.1	2.0	Anchors
50	PATCHING	M	315.00	SqFt	6.0	21.3	
50	PATCHING	M	2.50	SqFt	0.0	6.2	
57	WEATHERING	L	4486.00	SqFt	85.0	5.8	

Sample Number: 5 **Type:** R **Area:** 4382.00 SqFt **PCI:** 43

Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
43	BLOCK CR	L	2191.00	SqFt	50.0	28.5
43	BLOCK CR	M	2191.00	SqFt	50.0	40.9
50	PATCHING	H	3.00	SqFt	0.1	15.5 Anchors
57	WEATHERING	L	2191.00	SqFt	50.0	4.8

Sample Number: 7 **Type:** R **Area:** 4382.00 SqFt **PCI:** 35

Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
43	BLOCK CR	M	3695.00	SqFt	84.3	49.7
50	PATCHING	L	99.00	SqFt	2.3	6.0
50	PATCHING	L	168.00	SqFt	3.8	8.4
50	PATCHING	M	420.00	SqFt	9.6	27.0
57	WEATHERING	L	4382.00	SqFt	100.0	6.0

Sample Number: 8 **Type:** A **Area:** 4382.00 SqFt **PCI:** 45

Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
43	BLOCK CR	L	2191.00	SqFt	50.0	28.5
43	BLOCK CR	M	2191.00	SqFt	50.0	40.9
50	PATCHING	L	52.50	SqFt	1.2	4.0
57	WEATHERING	L	4382.00	SqFt	100.0	6.0

Sample Number: 9 **Type:** R **Area:** 4382.00 SqFt **PCI:** 43

Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
43	BLOCK CR	L	2191.00	SqFt	50.0	28.5
43	BLOCK CR	M	2191.00	SqFt	50.0	40.9
50	PATCHING	H	4.00	SqFt	0.1	15.5 Anchors
57	WEATHERING	L	4382.00	SqFt	100.0	6.0

Network:	CDW			Name:	Essex County Airport									
Branch:	APR 5		Name:	Apron 5		Use:	APRON	Area:	95,167 SqFt					
Section:	1	of	1	From:	Nxt to TW B (left)			To:	TW N		Last Const.:	6/1/2009		
Surface:	AC		Family:	DEFAULT		Zone:				Category:	Rank:		C	
Area:	95,167 SqFt		Length:	650 Ft		Width:	146 Ft							
Slabs:	Slab Length:			Ft		Slab Width:			Ft		Joint Length:		Ft	
Shoulder:	Street Type:			Grade:			0		Lanes:		0			
Section Comments:														
Work Date:	6/1/2009			Work Type:				New Construction - Initial			Code:	NC-IN	Is Major M&R:	True
Last Insp. Date:	7/27/2021			TotalSamples:		18		Surveyed:						7
Conditions:	PCI:		42											
Inspection Comments:														
Sample Number:	1		Type:	R		Area:			5316.00 SqFt			PCI:	41	
Sample Comments:														
Distress	Description		Severity	Quantity		Density	Deduct	Comments						
43	BLOCK CR		M	4252.00	SqFt	80.0	48.7							
50	PATCHING		M	7.00	SqFt	0.1	6.7	ANCHORS						
57	WEATHERING		L	2658.00	SqFt	50.0	4.8							
Sample Number:	12		Type:	R		Area:			5951.00 SqFt			PCI:	40	
Sample Comments:														
Distress	Description		Severity	Quantity		Density	Deduct	Comments						
43	BLOCK CR		M	5058.00	SqFt	85.0	49.8							
54	SHOVING		H	3.00	SqFt	0.1	10.0	ANCHORS						
57	WEATHERING		L	5951.00	SqFt	100.0	6.0							
Sample Number:	15		Type:	R		Area:			4921.00 SqFt			PCI:	44	
Sample Comments:														
Distress	Description		Severity	Quantity		Density	Deduct	Comments						
43	BLOCK CR		L	2445.00	SqFt	49.7	28.4							
43	BLOCK CR		M	2445.00	SqFt	49.7	40.8							
50	PATCHING		L	30.00	SqFt	0.6	2.7							
50	PATCHING		M	7.00	SqFt	0.1	6.8	ANCHORS						
57	WEATHERING		L	4891.00	SqFt	99.4	6.0							
Sample Number:	18		Type:	R		Area:			3907.00 SqFt			PCI:	54	
Sample Comments:														
Distress	Description		Severity	Quantity		Density	Deduct	Comments						
43	BLOCK CR		M	1380.00	SqFt	35.3	36.0							
48	L & T CR		M	15.00	Ft	0.4	7.3							
48	L & T CR		M	20.00	Ft	0.5	8.4							
48	L & T CR		M	15.00	Ft	0.4	7.3							
48	L & T CR		M	8.00	Ft	0.2	5.2							
48	L & T CR		M	25.00	Ft	0.6	9.2							
48	L & T CR		M	8.00	Ft	0.2	5.2							
48	L & T CR		M	15.00	Ft	0.4	7.3							

48	L & T CR	M	18.00	Ft	0.5	8.0	
48	L & T CR	M	15.00	Ft	0.4	7.3	
48	L & T CR	M	15.00	Ft	0.4	7.3	
48	L & T CR	M	8.00	Ft	0.2	5.2	
48	L & T CR	M	15.00	Ft	0.4	7.3	
57	WEATHERING	L	3907.00	SqFt	100.0	6.0	

Sample Number: 3

Type: R

Area: 5316.00 SqFt

PCI: 37

Sample Comments:

Distress	Description	Severity	Quantity		Density	Deduct	Comments
43	BLOCK CR	M	5316.00	SqFt	100.0	53.0	
50	PATCHING	M	6.00	SqFt	0.1	6.5	ANCHORS
57	WEATHERING	L	5316.00	SqFt	100.0	6.0	

Sample Number: 7

Type: R

Area: 5316.00 SqFt

PCI: 44

Sample Comments:

Distress	Description	Severity	Quantity		Density	Deduct	Comments
43	BLOCK CR	L	2658.00	SqFt	50.0	28.5	ANCHORS
43	BLOCK CR	M	2658.00	SqFt	50.0	40.9	
50	PATCHING	M	3.00	SqFt	0.1	6.2	
57	WEATHERING	L	5313.00	SqFt	99.9	6.0	

Sample Number: 9

Type: R

Area: 5316.00 SqFt

PCI: 37

Sample Comments:

Distress	Description	Severity	Quantity		Density	Deduct	Comments
43	BLOCK CR	M	5316.00	SqFt	100.0	53.0	
50	PATCHING	M	5.00	SqFt	0.1	6.2	ANCHORS
57	WEATHERING	L	5316.00	SqFt	100.0	6.0	

Network:	CDW			Name:	Essex County Airport							
Branch:	APR 6		Name:	Apron 6		Use:	APRON	Area:	122,650 SqFt			
Section:	1	of	1	From:	Nxt to TW B (right)			To:	TW N		Last Const.:	6/1/2009
Surface:	AC		Family:	DEFAULT		Zone:		Category:	Rank: C			
Area:	122,650 SqFt		Length:	834 Ft		Width:	147 Ft					
Slabs:			Slab Length:	Ft		Slab Width:	Ft		Joint Length:	Ft		
Shoulder:			Street Type:			Grade:	0		Lanes:	0		
Section Comments:												
Work Date:	6/1/2009			Work Type:	New Construction - Initial			Code:	NC-IN		Is Major M&R:	True
Last Insp. Date:	7/27/2021			TotalSamples:	24			Surveyed:	9			
Conditions:	PCI: 41											
Inspection Comments:												
Sample Number:	1	Type:	R	Area:	4865.00 SqFt			PCI:	30			
Sample Comments:												
Distress	Description	Severity	Quantity	Density	Deduct	Comments						
43	BLOCK CR	M	4378.00 SqFt	90.0	50.9							
52	RAVELING	L	2432.00 SqFt	50.0	20.3							
52	RAVELING	M	2432.00 SqFt	50.0	42.2							
Sample Number: 12 Type: R Area: 4865.00 SqFt PCI: 49												
Sample Comments:												
Distress	Description	Severity	Quantity	Density	Deduct	Comments						
43	BLOCK CR	M	2432.00 SqFt	50.0	40.9							
50	PATCHING	L	50.00 SqFt	1.0	3.6							
50	PATCHING	M	6.00 SqFt	0.1	6.6	ANCHORS						
57	WEATHERING	L	4865.00 SqFt	100.0	6.0							
Sample Number: 14 Type: R Area: 4865.00 SqFt PCI: 42												
Sample Comments:												
Distress	Description	Severity	Quantity	Density	Deduct	Comments						
43	BLOCK CR	M	2919.00 SqFt	60.0	43.7							
50	PATCHING	L	68.00 SqFt	1.4	4.4							
50	PATCHING	M	5.00 SqFt	0.1	6.3	ANCHORS						
57	WEATHERING	L	4865.00 SqFt	100.0	6.0							
Sample Number: 16 Type: R Area: 4865.00 SqFt PCI: 36												
Sample Comments:												
Distress	Description	Severity	Quantity	Density	Deduct	Comments						
43	BLOCK CR	M	4135.00 SqFt	85.0	49.8							
50	PATCHING	L	68.00 SqFt	1.4	4.4							
50	PATCHING	M	5.00 SqFt	0.1	6.3	ANCHORS						
57	WEATHERING	L	4865.00 SqFt	100.0	6.0							
Sample Number: 19 Type: R Area: 4865.00 SqFt PCI: 37												
Sample Comments:												
Distress	Description	Severity	Quantity	Density	Deduct	Comments						
43	BLOCK CR	M	3892.00 SqFt	80.0	48.7							

50	PATCHING	L	68.00	SqFt	1.4	4.4	
50	PATCHING	M	5.00	SqFt	0.1	6.3	ANCHORS
57	WEATHERING	L	4865.00	SqFt	100.0	6.0	

Sample Number: 21 **Type:** R **Area:** 5741.00 SqFt **PCI:** 44
Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
43	BLOCK CR	M	4018.00	SqFt	70.0	46.3
50	PATCHING	M	70.00	SqFt	1.2	10.1
50	PATCHING	M	6.00	SqFt	0.1	6.3 ANCHORS
50	PATCHING	M	95.00	SqFt	1.7	11.4
50	PATCHING	M	68.00	SqFt	1.2	10.0
57	WEATHERING	L	5741.00	SqFt	100.0	6.0

Sample Number: 3 **Type:** R **Area:** 4865.00 SqFt **PCI:** 44
Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
43	BLOCK CR	M	3405.00	SqFt	70.0	46.3
52	RAVELING	L	2432.00	SqFt	50.0	20.3
57	WEATHERING	L	2432.00	SqFt	50.0	4.8

Sample Number: 5 **Type:** R **Area:** 4865.00 SqFt **PCI:** 46
Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
43	BLOCK CR	M	3892.00	SqFt	80.0	48.7
50	PATCHING	M	4.00	SqFt	0.1	6.2 ANCHORS

Sample Number: 7 **Type:** R **Area:** 4865.00 SqFt **PCI:** 37
Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
43	BLOCK CR	M	4865.00	SqFt	100.0	53.0
50	PATCHING	M	2.00	SqFt	0.0	6.2 ANCHORS
57	WEATHERING	L	4865.00	SqFt	100.0	6.0

Network:	CDW		Name:	Essex County Airport							
Branch:	RW 10-28		Name:	Runway 10-28		Use:	RUNWAY	Area:	297,637 SqFt		
Section:	1	of	2	From:	RW 10		To:	RW 28		Last Const.:	6/1/1993
Surface:	AC		Family:	DEFAULT		Zone:	Category:		Rank: A		
Area:	264,841 SqFt		Length:	3,531 Ft		Width:	75 Ft				
Slabs:	Slab Length:		Ft		Slab Width:		Ft		Joint Length:		Ft
Shoulder:	Street Type:		Grade:		0		Lanes:		0		
Section Comments:											
Work Date:	6/1/1993		Work Type: New Construction - Initial				Code:	NC-IN		Is Major M&R:	True
Work Date:	6/1/2006		Work Type: Surface Seal - Rejuvenating				Code:	SS-RE		Is Major M&R:	False
Work Date:	6/1/2006		Work Type: Crack Sealing - AC				Code:	CS-AC		Is Major M&R:	False
Last Insp. Date:	7/21/2021		TotalSamples:	53		Surveyed: 14					
Conditions:	PCI: 46		Inspection Comments:								
Sample Number:	11		Type:	R		Area:	4938.00 SqFt		PCI:	42	
Sample Comments:											
Distress	Description		Severity	Quantity		Density	Deduct	Comments			
43	BLOCK CR		M	4938.00 SqFt		100.0	53.0				
57	WEATHERING		L	4938.00 SqFt		100.0	6.0				
Sample Number:	17		Type:	R		Area:	4938.00 SqFt		PCI:	44	
Sample Comments:											
Distress	Description		Severity	Quantity		Density	Deduct	Comments			
43	BLOCK CR		M	4445.00 SqFt		90.0	50.9				
52	RAVELING		L	4938.00 SqFt		100.0	26.4				
Sample Number:	21		Type:	R		Area:	4938.00 SqFt		PCI:	44	
Sample Comments:											
Distress	Description		Severity	Quantity		Density	Deduct	Comments			
43	BLOCK CR		M	4445.00 SqFt		90.0	50.9				
57	WEATHERING		L	4938.00 SqFt		100.0	6.0				
Sample Number:	23		Type:	R		Area:	4938.00 SqFt		PCI:	44	
Sample Comments:											
Distress	Description		Severity	Quantity		Density	Deduct	Comments			
43	BLOCK CR		M	4445.00 SqFt		90.0	50.9				
52	RAVELING		L	4938.00 SqFt		100.0	26.4				
Sample Number:	28		Type:	R		Area:	4938.00 SqFt		PCI:	46	
Sample Comments:											
Distress	Description		Severity	Quantity		Density	Deduct	Comments			
43	BLOCK CR		M	3456.00 SqFt		70.0	46.3				
50	PATCHING		L	30.00 SqFt		0.6	2.7				
57	WEATHERING		L	4938.00 SqFt		100.0	6.0				
Sample Number:	30		Type:	R		Area:	4938.00 SqFt		PCI:	44	
Sample Comments:											
Distress	Description		Severity	Quantity		Density	Deduct	Comments			
43	BLOCK CR		M	4445.00 SqFt		90.0	50.9				

57	WEATHERING	L	4938.00	SqFt	100.0	6.0
Sample Number: 42 Type: R Area: 4933.00 SqFt PCI: 44						
Sample Comments:						
Distress	Description	Severity	Quantity	Density	Deduct	Comments
43	BLOCK CR	M	4439.00	SqFt	90.0	50.9
57	WEATHERING	L	4933.00	SqFt	100.0	6.0
Sample Number: 45 Type: R Area: 4933.00 SqFt PCI: 46						
Sample Comments:						
Distress	Description	Severity	Quantity	Density	Deduct	Comments
43	BLOCK CR	M	3946.00	SqFt	80.0	48.7
57	WEATHERING	L	4933.00	SqFt	100.0	6.0
Sample Number: 47 Type: R Area: 4933.00 SqFt PCI: 46						
Sample Comments:						
Distress	Description	Severity	Quantity	Density	Deduct	Comments
43	BLOCK CR	M	3946.00	SqFt	80.0	48.7
57	WEATHERING	L	4933.00	SqFt	100.0	6.0
Sample Number: 49 Type: R Area: 4933.00 SqFt PCI: 54						
Sample Comments:						
Distress	Description	Severity	Quantity	Density	Deduct	Comments
43	BLOCK CR	M	2466.00	SqFt	50.0	40.9
57	WEATHERING	L	4933.00	SqFt	100.0	6.0
Sample Number: 51 Type: R Area: 4933.00 SqFt PCI: 46						
Sample Comments:						
Distress	Description	Severity	Quantity	Density	Deduct	Comments
43	BLOCK CR	M	3946.00	SqFt	80.0	48.7
57	WEATHERING	L	4933.00	SqFt	100.0	6.0
Sample Number: 52 Type: R Area: 4933.00 SqFt PCI: 49						
Sample Comments:						
Distress	Description	Severity	Quantity	Density	Deduct	Comments
43	BLOCK CR	M	3453.00	SqFt	70.0	46.3
57	WEATHERING	L	4933.00	SqFt	100.0	6.0
Sample Number: 54 Type: R Area: 4933.00 SqFt PCI: 49						
Sample Comments:						
Distress	Description	Severity	Quantity	Density	Deduct	Comments
43	BLOCK CR	M	3453.00	SqFt	70.0	46.3
57	WEATHERING	L	4933.00	SqFt	100.0	6.0
Sample Number: 8 Type: R Area: 4938.00 SqFt PCI: 44						
Sample Comments:						
Distress	Description	Severity	Quantity	Density	Deduct	Comments
43	BLOCK CR	M	4445.00	SqFt	90.0	50.9
52	RAVELING	L	4938.00	SqFt	100.0	26.4

Network:	CDW		Name:	Essex County Airport								
Branch:	RW 10-28		Name:	Runway 10-28		Use:	RUNWAY	Area:	297,637 SqFt			
Section:	2	of	2	From:	RW 10-28 intersection with		To:	RW 4-22		Last Const.:	6/1/2007	
Surface:	AC	Family:	DEFAULT		Zone:		Category:		Rank:	A		
Area:	32,796 SqFt		Length:	437 Ft		Width:	75 Ft					
Slabs:		Slab Length:	Ft		Slab Width:	Ft		Joint Length:	Ft			
Shoulder:		Street Type:		Grade:	0		Lanes:	0				
Section Comments:												
Work Date:	6/1/2007		Work Type:	New Construction - Initial				Code:	NC-IN		Is Major M&R:	True
Last Insp. Date:	7/21/2021		TotalSamples:	6		Surveyed:	3					
Conditions:	PCI:	60										
Inspection Comments:												
Sample Number:	31	Type:	R	Area:	5045.00 SqFt		PCI:	43				
Sample Comments:												
Distress	Description	Severity	Quantity	Density	Deduct	Comments						
43	BLOCK CR	L	2522.50 SqFt	50.0	28.5							
43	BLOCK CR	M	2522.50 SqFt	50.0	40.9							
57	WEATHERING	M	5045.00 SqFt	100.0	20.3							
Sample Number:	34	Type:	R	Area:	5514.00 SqFt		PCI:	74				
Sample Comments:												
Distress	Description	Severity	Quantity	Density	Deduct	Comments						
43	BLOCK CR	M	420.00 SqFt	7.6	21.5							
57	WEATHERING	M	420.00 SqFt	7.6	4.5							
Sample Number:	35	Type:	R	Area:	5914.00 SqFt		PCI:	60				
Sample Comments:												
Distress	Description	Severity	Quantity	Density	Deduct	Comments						
43	BLOCK CR	M	1950.00 SqFt	33.0	35.1							
57	WEATHERING	M	1950.00 SqFt	33.0	12.1							

Network:	CDW			Name:	Essex County Airport							
Branch:	RW 4-22		Name:	Runway 4-22		Use:	RUNWAY	Area:	373,862 SqFt			
Section:	1	of	1	From:	RW 4		To:	RW 22		Last Const.:	6/1/2007	
Surface:	AC		Family:	DEFAULT		Zone:			Category:	Rank: A		
Area:	373,862 SqFt		Length:	4,673 Ft		Width:	80 Ft					
Slabs:			Slab Length:	Ft		Slab Width:	Ft		Joint Length:	Ft		
Shoulder:			Street Type:			Grade:	0		Lanes:	0		
Section Comments:												
Work Date:	6/1/2007			Work Type:	New Construction - Initial			Code:	NC-IN		Is Major M&R:	True
Last Insp. Date:	7/20/2021			TotalSamples:	74			Surveyed:	15			
Conditions:	PCI:	98										
Inspection Comments:												
Sample Number:	1	Type:	R	Area:	5052.00 SqFt			PCI:	100			
Sample Comments:												
Distress	Description	Severity	Quantity	Density	Deduct	Comments						
<No Distress>												
Sample Number:	11	Type:	R	Area:	5052.00 SqFt			PCI:	90			
Sample Comments:												
Distress	Description	Severity	Quantity	Density	Deduct	Comments						
48	L & T CR	M	40.00 Ft	0.8	10.1	cons. joint						
Sample Number:	17	Type:	R	Area:	5052.00 SqFt			PCI:	100			
Sample Comments:												
Distress	Description	Severity	Quantity	Density	Deduct	Comments						
<No Distress>												
Sample Number:	19	Type:	R	Area:	5052.00 SqFt			PCI:	98			
Sample Comments:												
Distress	Description	Severity	Quantity	Density	Deduct	Comments						
50	PATCHING	L	1.00 SqFt	0.0	2.0	core patch						
Sample Number:	22	Type:	R	Area:	5052.00 SqFt			PCI:	95			
Sample Comments:												
Distress	Description	Severity	Quantity	Density	Deduct	Comments						
48	L & T CR	L	40.00 Ft	0.8	4.5	construction joint						
Sample Number:	30	Type:	R	Area:	5052.00 SqFt			PCI:	98			
Sample Comments:												
Distress	Description	Severity	Quantity	Density	Deduct	Comments						
50	PATCHING	L	1.00 SqFt	0.0	2.0	core patch						
Sample Number:	41	Type:	R	Area:	5052.00 SqFt			PCI:	100			
Sample Comments:												
Distress	Description	Severity	Quantity	Density	Deduct	Comments						
<No Distress>												
Sample Number:	46	Type:	R	Area:	5052.00 SqFt			PCI:	100			
Sample Comments:												
Distress	Description	Severity	Quantity	Density	Deduct	Comments						
<No Distress>												

Sample Number: 51		Type: R	Area: 5052.00 SqFt		PCI: 100		
Sample Comments:							
Distress	Description	Severity	Quantity	Density	Deduct	Comments	
<No Distress>							
Sample Number: 56		Type: R	Area: 5052.00 SqFt		PCI: 97		
Sample Comments:							
Distress	Description	Severity	Quantity	Density	Deduct	Comments	
50	PATCHING	L	1.00 SqFt	0.0	2.0	core patch	
52	RAVELING	L	6.00 SqFt	0.1	1.0	looks like a result of tire scratching	
Sample Number: 59		Type: R	Area: 5052.00 SqFt		PCI: 95		
Sample Comments:							
Distress	Description	Severity	Quantity	Density	Deduct	Comments	
48	L & T CR	L	40.00 Ft	0.8	4.5	costruction joint	
Sample Number: 6		Type: R	Area: 5052.00 SqFt		PCI: 100		
Sample Comments:							
Distress	Description	Severity	Quantity	Density	Deduct	Comments	
<No Distress>							
Sample Number: 62		Type: R	Area: 5052.00 SqFt		PCI: 100		
Sample Comments:							
Distress	Description	Severity	Quantity	Density	Deduct	Comments	
<No Distress>							
Sample Number: 70		Type: R	Area: 5052.00 SqFt		PCI: 100		
Sample Comments:							
Distress	Description	Severity	Quantity	Density	Deduct	Comments	
<No Distress>							
Sample Number: 74		Type: R	Area: 5052.00 SqFt		PCI: 100		
Sample Comments:							
Distress	Description	Severity	Quantity	Density	Deduct	Comments	
<No Distress>							

Network:	CDW			Name:	Essex County Airport							
Branch:	TW A		Name:	Taxiway A		Use:	TAXIWAY		Area:	9,271 SqFt		
Section:	1	of 1		From:	RW 10-28			To:	TW N		Last Const.:	6/1/1993
Surface:	AC		Family:	DEFAULT		Zone:				Category:	Rank: B	
Area:	9,271 SqFt		Length:	127 Ft		Width:	73 Ft					
Slabs:			Slab Length:	Ft		Slab Width:	Ft		Joint Length:	Ft		
Shoulder:			Street Type:			Grade:	0		Lanes:	0		
Section Comments:												

Work Date: 6/1/1993	Work Type: New Construction - Initial	Code: NC-IN	Is Major M&R: True
Last Insp. Date: 7/21/2021	TotalSamples: 2	Surveyed: 2	
Conditions: PCI: 55			
Inspection Comments:			

Sample Number:	1	Type:	R	Area:	4635.50 SqFt	PCI:	58
Sample Comments:							

Distress	Description	Severity	Quantity		Density	Deduct	Comments
43	BLOCK CR	M	400.00	SqFt	8.6	22.4	
43	BLOCK CR	M	800.00	SqFt	17.3	28.1	
48	L & T CR	M	20.00	Ft	0.4	7.8	
48	L & T CR	M	6.00	Ft	0.1	4.1	
50	PATCHING	M	126.00	SqFt	2.7	14.4	
50	PATCHING	M	65.00	SqFt	1.4	10.7	

Sample Number:	2	Type:	R	Area:	4635.50 SqFt	PCI:	52
Sample Comments:							

Distress	Description	Severity	Quantity		Density	Deduct	Comments
43	BLOCK CR	M	400.00	SqFt	8.6	22.4	
43	BLOCK CR	M	900.00	SqFt	19.4	29.2	
48	L & T CR	M	20.00	Ft	0.4	7.8	
48	L & T CR	M	12.00	Ft	0.3	6.0	
50	PATCHING	M	60.00	SqFt	1.3	10.3	
50	PATCHING	M	126.00	SqFt	2.7	14.4	
57	WEATHERING	L	4635.50	SqFt	100.0	6.0	

Network:	CDW			Name:	Essex County Airport							
Branch:	TW B		Name:	Taxiway B		Use:	TAXIWAY	Area:	63,571 SqFt			
Section:	1	of	2	From:	TW N		To:	RW 4-22		Last Const.:	6/1/2009	
Surface:	AC	Family:	DEFAULT		Zone:		Category:		Rank:	B		
Area:	42,206 SqFt		Length:	1,005 Ft		Width:	42 Ft					
Slabs:		Slab Length:	Ft		Slab Width:	Ft		Joint Length:	Ft			
Shoulder:		Street Type:		Grade:	0		Lanes:	0				
Section Comments:												
Work Date:	6/1/2009			Work Type:	New Construction - Initial			Code:	NC-IN		Is Major M&R:	True
Last Insp. Date:	7/21/2021			TotalSamples:	9		Surveyed:	4				
Conditions:	PCI:	51										
Inspection Comments:												
Sample Number:	2	Type:	R	Area:	4998.00 SqFt		PCI:	61				
Sample Comments:												
Distress	Description	Severity	Quantity	Density	Deduct	Comments						
48	L & T CR	L	29.00 Ft	0.6	4.2							
48	L & T CR	L	7.00 Ft	0.1	2.6							
48	L & T CR	L	11.00 Ft	0.2	3.2							
48	L & T CR	L	8.00 Ft	0.2	2.8							
48	L & T CR	L	8.00 Ft	0.2	2.8							
48	L & T CR	L	12.00 Ft	0.2	3.3							
48	L & T CR	L	6.00 Ft	0.1	2.5							
48	L & T CR	M	14.00 Ft	0.3	6.2							
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	20.00 Ft	0.4	7.5							
48	L & T CR	M	11.00 Ft	0.2	5.4							
48	L & T CR	M	11.00 Ft	0.2	5.4							
48	L & T CR	M	23.00 Ft	0.5	8.0							
48	L & T CR	M	5.00 Ft	0.1	4.0							
48	L & T CR	M	78.00 Ft	1.6	13.9							
48	L & T CR	M	6.00 Ft	0.1	4.0							
48	L & T CR	M	30.00 Ft	0.6	9.0	ALL TWB Sec 1 done on July 27						
48	L & T CR	M	69.00 Ft	1.4	13.1							
48	L & T CR	M	2.00 Ft	0.0	4.0							
48	L & T CR	M	75.00 Ft	1.5	13.6							
57	WEATHERING	M	4998.00 SqFt	100.0	20.3							
Sample Number:	4	Type:	R	Area:	4998.00 SqFt		PCI:	51				
Sample Comments:												
Distress	Description	Severity	Quantity	Density	Deduct	Comments						
43	BLOCK CR	M	2998.00 SqFt	60.0	43.7							
57	WEATHERING	M	4998.00 SqFt	100.0	20.3							

Sample Number: 6		Type: R	Area:		4998.00 SqFt	PCI: 50
Sample Comments:						
Distress	Description	Severity	Quantity	Density	Deduct	Comments
43	BLOCK CR	L	1249.00 SqFt	25.0	22.8	
43	BLOCK CR	M	1249.00 SqFt	25.0	31.9	
48	L & T CR	M	20.00 Ft	0.4	7.5	
48	L & T CR	M	20.00 Ft	0.4	7.5	
48	L & T CR	M	20.00 Ft	0.4	7.5	
48	L & T CR	M	20.00 Ft	0.4	7.5	
48	L & T CR	M	20.00 Ft	0.4	7.5	
48	L & T CR	M	20.00 Ft	0.4	7.5	
48	L & T CR	M	20.00 Ft	0.4	7.5	
48	L & T CR	M	20.00 Ft	0.4	7.5	
57	WEATHERING	M	4998.00 SqFt	100.0	20.3	

Sample Number: 9		Type: R	Area:		4998.00 SqFt	PCI: 41	
Sample Comments:							
Distress	Description	Severity	Quantity		Density	Deduct	Comments
43	BLOCK CR	L	2442.00	SqFt	48.9	28.3	
43	BLOCK CR	M	2442.00	SqFt	48.9	40.5	
50	PATCHING	M	40.00	SqFt	0.8	8.8	
50	PATCHING	M	34.00	SqFt	0.7	8.5	
50	PATCHING	M	40.00	SqFt	0.8	8.8	
57	WEATHERING	M	4884.00	SqFt	97.7	20.2	

Network:	CDW			Name:	Essex County Airport					
Branch:	TW B		Name:	Taxiway B		Use:	TAXIWAY	Area:	63,571 SqFt	
Section:	2	of	2	From:	CC	To:	TW H	Last Const.:	6/1/2007	
Surface:	AC	Family:	DEFAULT	Zone:		Category:		Rank:	B	
Area:	21,365 SqFt	Length:	297 Ft	Width:	72 Ft					
Slabs:		Slab Length:	Ft	Slab Width:	Ft	Joint Length:	Ft			
Shoulder:		Street Type:		Grade:	0	Lanes:	0			
Section Comments:										
Work Date:	6/1/2007			Work Type:	New Construction - Initial		Code:	NC-IN	Is Major M&R:	True
Last Insp. Date:	7/20/2021			TotalSamples:	4		Surveyed:	4		
Conditions:	PCI:	58								
Inspection Comments:										
Sample Number:	1	Type:	R	Area:	5438.00 SqFt	PCI:	55			
Sample Comments:										
Distress	Description	Severity	Quantity	Density	Deduct	Comments				
43	BLOCK CR	M	2560.00 SqFt	47.1	40.0					
57	WEATHERING	M	2560.00 SqFt	47.1	14.8					
Sample Number:	11	Type:	R	Area:	6267.50 SqFt	PCI:	64			
Sample Comments:										
Distress	Description	Severity	Quantity	Density	Deduct	Comments				
43	BLOCK CR	L	160.00 SqFt	2.6	10.9					
48	L & T CR	L	8.00 Ft	0.1	2.6					
48	L & T CR	M	16.00 Ft	0.3	5.9					
48	L & T CR	M	18.00 Ft	0.3	6.3					
48	L & T CR	M	14.00 Ft	0.2	5.5					
48	L & T CR	M	4.00 Ft	0.1	4.0					
48	L & T CR	M	40.00 Ft	0.6	9.2					
48	L & T CR	M	16.00 Ft	0.3	5.9					
48	L & T CR	M	27.00 Ft	0.4	7.8					
48	L & T CR	M	44.00 Ft	0.7	9.6					
48	L & T CR	M	52.00 Ft	0.8	10.3					
48	L & T CR	M	46.00 Ft	0.7	9.8					
48	L & T CR	M	40.00 Ft	0.6	9.2					
48	L & T CR	M	6.00 Ft	0.1	4.0					
57	WEATHERING	L	6267.50 SqFt	100.0	6.0					
Sample Number:	12	Type:	R	Area:	6267.50 SqFt	PCI:	57			
Sample Comments:										
Distress	Description	Severity	Quantity	Density	Deduct	Comments				
41	ALLIGATOR CR	H	24.00 SqFt	0.4	27.5					
43	BLOCK CR	L	160.00 SqFt	2.6	10.9					
48	L & T CR	M	40.00 Ft	0.6	9.2					
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	25.00	Ft	0.4	7.5
48	L & T CR	M	8.00	Ft	0.1	4.1
48	L & T CR	M	30.00	Ft	0.5	8.1
48	L & T CR	M	20.00	Ft	0.3	6.7
48	L & T CR	M	14.00	Ft	0.2	5.5
48	L & T CR	M	12.00	Ft	0.2	5.0
57	WEATHERING	M	5640.00	SqFt	90.0	19.7

Sample Number:

13

Type:

R

Area:

3392.00 SqFt

PCI:

51

Sample Comments:

Distress	Description	Severity	Quantity		Density	Deduct	Comments
48	L & T CR	M	33.00	Ft	1.0	11.1	
48	L & T CR	M	11.00	Ft	0.3	6.7	
48	L & T CR	M	20.00	Ft	0.6	8.9	
48	L & T CR	M	4.00	Ft	0.1	4.0	
48	L & T CR	M	18.00	Ft	0.5	8.5	
50	PATCHING	L	858.00	SqFt	25.3	22.6	
55	SLIPPAGE CR	N	63.00	SqFt	1.9	18.8	
55	SLIPPAGE CR	N	63.00	SqFt	1.9	18.8	
57	WEATHERING	M	3392.00	SqFt	100.0	20.3	

Network:	CDW			Name:	Essex County Airport							
Branch:	TW C		Name:	Taxiway C		Use:	TAXIWAY	Area:	7,469 SqFt			
Section:	1	of	1	From:	TW P		To:	TW H	Last Const.:	6/1/2008		
Surface:	AC	Family:	DEFAULT		Zone:		Category:		Rank:	B		
Area:	7,469 SqFt	Length:	69 Ft		Width:	108 Ft						
Slabs:		Slab Length:	Ft		Slab Width:	Ft		Joint Length:	Ft			
Shoulder:		Street Type:			Grade:	0		Lanes:	0			
Section Comments:												
Work Date:	6/1/2008			Work Type:	New Construction - Initial			Code:	NC-IN		Is Major M&R:	True
Last Insp. Date:	7/21/2021			TotalSamples:	1			Surveyed:	1			
Conditions:	PCI:	44										
Inspection Comments:												
Sample Number:	1	Type:	R		Area:	7469.00 SqFt		PCI:	44			
Sample Comments:												
Distress	Description	Severity	Quantity	Density	Deduct	Comments						
43	BLOCK CR	M	6722.00 SqFt	90.0	50.9							
57	WEATHERING	M	7469.00 SqFt	100.0	20.3							

Network:	CDW			Name:	Essex County Airport					
Branch:	TW D		Name:	Taxiway D		Use:	TAXIWAY	Area:	10,005 SqFt	
Section:	1	of	1	From:	RW 4-22		To:	TW P	Last Const.:	6/1/2007
Surface:	AC	Family:	DEFAULT		Zone:		Category:		Rank:	B
Area:	10,005 SqFt	Length:	192 Ft		Width:	52 Ft				
Slabs:		Slab Length:	Ft	Slab Width:	Ft		Joint Length:	Ft		
Shoulder:		Street Type:		Grade:	0		Lanes:	0		
Section Comments:										

Work Date:	6/1/2007	Work Type:	New Construction - Initial			Code:	NC-IN	Is Major M&R:	True	
Last Insp. Date:	7/20/2021	TotalSamples:	2	Surveyed:	2					
Conditions:	PCI:	43								
Inspection Comments:										

Sample Number:	1	Type:	R	Area:	5002.50 SqFt	PCI:	44
Sample Comments:							
Distress	Description	Severity	Quantity	Density	Deduct	Comments	
43	BLOCK CR	M	4502.00 SqFt	90.0	50.9		
57	WEATHERING	M	5002.50 SqFt	100.0	20.3		

Sample Number:	2	Type:	R	Area:	5002.50 SqFt	PCI:	42
Sample Comments:							
Distress	Description	Severity	Quantity	Density	Deduct	Comments	
43	BLOCK CR	M	5002.50 SqFt	100.0	53.0		
57	WEATHERING	M	5002.50 SqFt	100.0	20.3		

Network:	CDW		Name:	Essex County Airport						
Branch:	TW G		Name:	Taxiway G		Use:	TAXIWAY	Area:	7,850 SqFt	
Section:	1	of 1	From:	RW 4-22			To:	TW P	Last Const.:	6/1/2007
Surface:	AC	Family:	DEFAULT		Zone:		Category:		Rank:	B
Area:	7,850 SqFt	Length:	138 Ft		Width:	57 Ft				
Slabs:		Slab Length:	Ft	Slab Width:	Ft	Joint Length:	Ft			
Shoulder:		Street Type:		Grade:	0	Lanes:	0			
Section Comments:										
Work Date:	6/1/2007		Work Type:	New Construction - Initial			Code:	NC-IN	Is Major M&R:	True
Last Insp. Date:	7/20/2021		TotalSamples:	1		Surveyed:	1			
Conditions:	PCI:	43								
Inspection Comments:										
Sample Number:	1	Type:	R	Area:	7850.00 SqFt		PCI:	43		
Sample Comments:										
Distress	Description	Severity	Quantity	Density	Deduct	Comments				
43	BLOCK CR	M	7457.00 SqFt	95.0	52.0	a runway exit section on the TW was repaved as part of the runway repaving. this applies to most taxiways connected to Runway 4 22				
45	DEPRESSION	L	12.50 SqFt	0.2	0.5					
57	WEATHERING	M	7850.00 SqFt	100.0	20.3					

Network:	CDW		Name:	Essex County Airport							
Branch:	TW H		Name:	Taxiway H		Use:	TAXIWAY	Area:	112,491 SqFt		
Section:	1	of	1	From:	TW P		To:	TW H		Last Const.:	6/1/2008
Surface:	AC		Family:	DEFAULT		Zone:	Category:		Rank: B		
Area:	112,491 SqFt		Length:	2,744 Ft		Width:	41 Ft				
Slabs:	Slab Length:		Ft		Slab Width:		Ft		Joint Length:		Ft
Shoulder:	Street Type:		Grade:		0		Lanes:		0		
Section Comments:											
Work Date:	6/1/2008		Work Type: New Construction - Initial				Code:	NC-IN		Is Major M&R: True	
Last Insp. Date:	7/19/2021		TotalSamples:		23		Surveyed: 9				
Conditions:	PCI: 55										
Inspection Comments:											
Sample Number:	10		Type:	R		Area:	5146.00 SqFt		PCI: 64		
Sample Comments:											
Distress	Description		Severity	Quantity		Density	Deduct	Comments			
43	BLOCK CR		L	840.00 SqFt		16.3	19.9				
48	L & T CR		L	20.00 Ft		0.4	3.9				
48	L & T CR		L	38.00 Ft		0.7	4.4				
48	L & T CR		L	3.00 Ft		0.1	2.5				
48	L & T CR		L	6.00 Ft		0.1	2.5				
48	L & T CR		L	7.00 Ft		0.1	2.6				
48	L & T CR		L	17.00 Ft		0.3	3.7				
48	L & T CR		L	22.00 Ft		0.4	3.9				
48	L & T CR		L	14.00 Ft		0.3	3.5				
48	L & T CR		L	18.00 Ft		0.3	3.8				
48	L & T CR		L	30.00 Ft		0.6	4.2				
48	L & T CR		M	3.00 Ft		0.1	4.0				
48	L & T CR		M	12.00 Ft		0.2	5.6				
48	L & T CR		M	83.00 Ft		1.6	14.1				
57	WEATHERING		M	5146.00 SqFt		100.0	20.3				
Sample Number:	12		Type:	R		Area:	5146.00 SqFt		PCI: 59		
Sample Comments:											
Distress	Description		Severity	Quantity		Density	Deduct	Comments			
43	BLOCK CR		L	5146.00 SqFt		100.0	35.6				
57	WEATHERING		M	5146.00 SqFt		100.0	20.3				
Sample Number:	15		Type:	R		Area:	5146.00 SqFt		PCI: 42		
Sample Comments:											
Distress	Description		Severity	Quantity		Density	Deduct	Comments			
43	BLOCK CR		M	5146.00 SqFt		100.0	53.0				
57	WEATHERING		M	5146.00 SqFt		100.0	20.3				
Sample Number:	18		Type:	R		Area:	5146.00 SqFt		PCI: 44		
Sample Comments:											
Distress	Description		Severity	Quantity		Density	Deduct	Comments			

43	BLOCK CR	M	4631.00	SqFt	90.0	50.9
57	WEATHERING	M	5146.00	SqFt	100.0	20.3
Sample Number: 2		Type: R	Area: 5146.00 SqFt		PCI: 66	
Sample Comments:						
Distress	Description	Severity	Quantity	Density	Deduct	Comments
48	L & T CR	L	17.00 Ft	0.3	3.7	
48	L & T CR	L	3.00 Ft	0.1	2.5	
48	L & T CR	L	8.00 Ft	0.2	2.8	
48	L & T CR	L	8.00 Ft	0.2	2.8	
48	L & T CR	L	19.00 Ft	0.4	3.8	
48	L & T CR	L	16.00 Ft	0.3	3.6	
48	L & T CR	L	3.00 Ft	0.1	2.5	
48	L & T CR	L	15.00 Ft	0.3	3.6	
48	L & T CR	L	6.00 Ft	0.1	2.5	
48	L & T CR	L	6.00 Ft	0.1	2.5	
48	L & T CR	L	20.00 Ft	0.4	3.9	
48	L & T CR	L	6.00 Ft	0.1	2.5	
48	L & T CR	L	6.00 Ft	0.1	2.5	
48	L & T CR	L	2.00 Ft	0.0	2.5	
48	L & T CR	L	2.00 Ft	0.0	2.5	
48	L & T CR	L	13.00 Ft	0.3	3.4	
48	L & T CR	L	9.00 Ft	0.2	2.9	
48	L & T CR	L	3.00 Ft	0.1	2.5	
48	L & T CR	L	5.00 Ft	0.1	2.5	
48	L & T CR	L	5.00 Ft	0.1	2.5	
48	L & T CR	L	12.00 Ft	0.2	3.3	
48	L & T CR	L	4.00 Ft	0.1	2.5	
48	L & T CR	L	7.00 Ft	0.1	2.6	
48	L & T CR	L	2.00 Ft	0.0	2.5	
48	L & T CR	L	3.00 Ft	0.1	2.5	
48	L & T CR	L	8.00 Ft	0.2	2.8	
48	L & T CR	L	6.00 Ft	0.1	2.5	
48	L & T CR	L	10.00 Ft	0.2	3.1	
48	L & T CR	L	10.00 Ft	0.2	3.1	
48	L & T CR	L	15.00 Ft	0.3	3.6	
48	L & T CR	L	15.00 Ft	0.3	3.6	
48	L & T CR	L	2.00 Ft	0.0	2.5	
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	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	3.00	Ft	0.1	4.0
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	7.00	Ft	0.1	4.2
48	L & T CR	M	18.00	Ft	0.3	7.0
48	L & T CR	M	10.00	Ft	0.2	5.1
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	M	10.00	Ft	0.2	5.1
48	L & T CR	M	3.00	Ft	0.1	4.0
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	8.00	Ft	0.2	4.5
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	5.00	Ft	0.1	4.0
48	L & T CR	M	3.00	Ft	0.1	4.0
48	L & T CR	M	10.00	Ft	0.2	5.1
48	L & T CR	M	10.00	Ft	0.2	5.1
48	L & T CR	M	6.00	Ft	0.1	4.0
48	L & T CR	M	5.00	Ft	0.1	4.0
48	L & T CR	M	4.00	Ft	0.1	4.0
48	L & T CR	M	10.00	Ft	0.2	5.1
57	WEATHERING	M	5146.00	SqFt	100.0	20.3

Sample Number: 20
Type: R
Area: 5146.00 SqFt
PCI: 40

Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
43	BLOCK CR	M	4374.00	SqFt	85.0	49.8
50	PATCHING	M	43.00	SqFt	0.8	8.9
57	WEATHERING	M	5103.00	SqFt	99.2	20.3

Sample Number: 4
Type: R
Area: 5146.00 SqFt
PCI: 59

Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
43	BLOCK CR	L	5146.00	SqFt	100.0	35.6
57	WEATHERING	M	5146.00	SqFt	100.0	20.3

Sample Number: 6
Type: R
Area: 5146.00 SqFt
PCI: 61

Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
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43	BLOCK CR	L	4631.00	SqFt	90.0	34.4	
57	WEATHERING	L	5146.00	SqFt	100.0	6.0	
Sample Number: 8		Type: R	Area: 5146.00 SqFt		PCI: 56		
Sample Comments:							
Distress	Description	Severity	Quantity		Density	Deduct	Comments
43	BLOCK CR	L	640.00	SqFt	12.4	18.2	
43	BLOCK CR	L	1300.00	SqFt	25.3	22.9	
45	DEPRESSION	L	24.00	SqFt	0.5	3.0	
48	L & T CR	L	4.00	Ft	0.1	2.5	
48	L & T CR	L	8.00	Ft	0.2	2.8	
48	L & T CR	L	2.00	Ft	0.0	2.5	
48	L & T CR	L	3.00	Ft	0.1	2.5	
48	L & T CR	L	13.00	Ft	0.3	3.4	
48	L & T CR	L	16.00	Ft	0.3	3.6	
48	L & T CR	L	3.00	Ft	0.1	2.5	
48	L & T CR	L	11.00	Ft	0.2	3.2	
48	L & T CR	L	14.00	Ft	0.3	3.5	
48	L & T CR	L	8.00	Ft	0.2	2.8	
48	L & T CR	L	6.00	Ft	0.1	2.5	
48	L & T CR	M	69.00	Ft	1.3	12.9	
48	L & T CR	M	3.00	Ft	0.1	4.0	
48	L & T CR	M	7.00	Ft	0.1	4.2	
48	L & T CR	M	4.00	Ft	0.1	4.0	
57	WEATHERING	L	5146.00	SqFt	100.0	6.0	

Network:	CDW			Name:	Essex County Airport						
Branch:	TW J		Name:	Taxiway J		Use:	TAXIWAY	Area:	4,683 SqFt		
Section:	1	of	1	From:	TW N		To:	East Apron	Last Const.:	6/1/2009	
Surface:	AC	Family:	DEFAULT		Zone:		Category:		Rank:	B	
Area:	4,683 SqFt		Length:	102 Ft		Width:	46 Ft				
Slabs:		Slab Length:	Ft		Slab Width:	Ft		Joint Length:	Ft		
Shoulder:		Street Type:		Grade:	0		Lanes:	0			
Section Comments:											
Work Date:	6/1/2009			Work Type:	New Construction - Initial			Code:	NC-IN	Is Major M&R:	True
Last Insp. Date:	7/21/2021			TotalSamples:	1		Surveyed:	1			
Conditions:	PCI:	70									
Inspection Comments:											
Sample Number:	1	Type:	R	Area:	4683.00 SqFt		PCI:	70			
Sample Comments:											
Distress	Description	Severity	Quantity	Density	Deduct	Comments					
48	L & T CR	L	4.00 Ft	0.1	2.5						
48	L & T CR	L	4.00 Ft	0.1	2.5						
48	L & T CR	M	6.00 Ft	0.1	4.1						
48	L & T CR	M	4.00 Ft	0.1	4.0						
48	L & T CR	M	8.00 Ft	0.2	4.7						
48	L & T CR	M	65.00 Ft	1.4	13.1						
48	L & T CR	M	30.00 Ft	0.6	9.2						
48	L & T CR	M	20.00 Ft	0.4	7.7						
50	PATCHING	M	252.00 SqFt	5.4	20.2						
57	WEATHERING	L	4431.00 SqFt	94.6	5.9						

Network:	CDW			Name:	Essex County Airport						
Branch:	TW K		Name:	Taxiway K		Use:	TAXIWAY	Area:	4,535 SqFt		
Section:	1	of	1	From:	TW N		To:	East Apron	Last Const.:	6/1/2009	
Surface:	AC	Family:	DEFAULT		Zone:		Category:		Rank:	B	
Area:	4,535 SqFt	Length:	100 Ft		Width:	45 Ft					
Slabs:		Slab Length:	Ft	Slab Width:	Ft	Joint Length:	Ft				
Shoulder:		Street Type:		Grade:	0	Lanes:	0				
Section Comments:											
Work Date:	6/1/2009			Work Type:	New Construction - Initial			Code:	NC-IN	Is Major M&R:	True
Last Insp. Date:	7/21/2021			TotalSamples:	1			Surveyed:	1		
Conditions:	PCI:	74									
Inspection Comments:											
Sample Number:	1	Type:	R	Area:	4535.00 SqFt		PCI:	74			
Sample Comments:											
Distress	Description	Severity	Quantity	Density	Deduct	Comments					
48	L & T CR	L	50.00 Ft	1.1	5.2						
48	L & T CR	L	14.00 Ft	0.3	3.6						
48	L & T CR	M	11.00 Ft	0.2	5.8						
48	L & T CR	M	53.00 Ft	1.2	12.1						
48	L & T CR	M	27.00 Ft	0.6	9.0						
48	L & T CR	M	4.00 Ft	0.1	4.0						
57	WEATHERING	L	4535.00 SqFt	100.0	6.0						

Network:	CDW			Name:	Essex County Airport					
Branch:	TW L		Name:	Taxiway L		Use:	TAXIWAY	Area:	4,302 SqFt	
Section:	1	of	1	From:	TW N		To:	East Apron	Last Const.:	6/1/2009
Surface:	AC	Family:	DEFAULT		Zone:		Category:		Rank:	B
Area:	4,302 SqFt		Length:	93 Ft		Width:	46 Ft			
Slabs:		Slab Length:	Ft		Slab Width:	Ft		Joint Length:	Ft	
Shoulder:		Street Type:		Grade:	0		Lanes:	0		
Section Comments:										

Work Date:	6/1/2009		Work Type:	New Construction - Initial			Code:	NC-IN	Is Major M&R:	True
Last Insp. Date:	7/21/2021		TotalSamples:	1		Surveyed:	1			
Conditions:	PCI:	72								
Inspection Comments:										

Sample Number:	1	Type:	R	Area:	4302.00 SqFt		PCI:	71		
Sample Comments:										

Distress	Description	Severity	Quantity	Density	Deduct	Comments
48	L & T CR	L	2.00 Ft	0.0	2.5	
48	L & T CR	M	52.00 Ft	1.2	12.3	
48	L & T CR	M	12.00 Ft	0.3	6.2	
48	L & T CR	M	20.00 Ft	0.5	8.0	
50	PATCHING	L	6.00 SqFt	0.1	2.0	
50	PATCHING	M	156.00 SqFt	3.6	16.6	
50	PATCHING	M	26.00 SqFt	0.6	8.3	
50	PATCHING	M	6.00 SqFt	0.1	6.8	
57	WEATHERING	L	4302.00 SqFt	100.0	6.0	

Network:	CDW			Name:	Essex County Airport							
Branch:	TW N		Name:	Taxiway N		Use:	TAXIWAY		Area:	153,966 SqFt		
Section:	1	of 1		From:	RW 10			To:	RW 28		Last Const.:	6/1/1993
Surface:	AC		Family:	DEFAULT		Zone:			Category:	Rank: B		
Area:	153,966 SqFt		Length:	3,421 Ft		Width:	45 Ft					
Slabs:			Slab Length:	Ft		Slab Width:	Ft		Joint Length:	Ft		
Shoulder:			Street Type:			Grade:	0		Lanes:	0		
Section Comments:												

Work Date:	6/1/1993	Work Type:	New Construction - Initial			Code:	NC-IN	Is Major M&R:	True	
Work Date:	6/1/2006	Work Type:	Surface Seal - Rejuvenating			Code:	SS-RE	Is Major M&R:	False	
Work Date:	6/1/2006	Work Type:	Crack Sealing - AC			Code:	CS-AC	Is Major M&R:	False	

Last Insp. Date:	7/21/2021	TotalSamples:	32	Surveyed:	11
Conditions:	PCI:	65			
Inspection Comments:					

Sample Number:	1	Type:	R	Area:	4315.00 SqFt	PCI:	63
Sample Comments:							

Distress	Description	Severity	Quantity	Density	Deduct	Comments
43	BLOCK CR	L	875.00 SqFt	20.3	21.3	
48	L & T CR	L	5.00 Ft	0.1	2.5	
48	L & T CR	L	33.00 Ft	0.8	4.5	
48	L & T CR	M	17.00 Ft	0.4	7.4	
48	L & T CR	M	6.00 Ft	0.1	4.2	
48	L & T CR	M	17.00 Ft	0.4	7.4	
48	L & T CR	M	17.00 Ft	0.4	7.4	
48	L & T CR	M	17.00 Ft	0.4	7.4	
48	L & T CR	M	33.00 Ft	0.8	10.0	
48	L & T CR	M	35.00 Ft	0.8	10.2	
48	L & T CR	M	35.00 Ft	0.8	10.2	
48	L & T CR	M	17.00 Ft	0.4	7.4	
57	WEATHERING	L	4315.00 SqFt	100.0	6.0	

Sample Number:	10	Type:	R	Area:	5019.00 SqFt	PCI:	70
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	89.00 Ft	1.8	14.8	
48	L & T CR	M	35.00 Ft	0.7	9.6	
48	L & T CR	H	35.00 Ft	0.7	16.6	
57	WEATHERING	L	5019.00 SqFt	100.0	6.0	

Sample Number:	12	Type:	R	Area:	5019.00 SqFt	PCI:	66
Sample Comments:							

Distress	Description	Severity	Quantity	Density	Deduct	Comments
48	L & T CR	L	4.00 Ft	0.1	2.5	
48	L & T CR	L	2.00 Ft	0.0	2.5	

48	L & T CR	M	35.00	Ft	0.7	9.6
48	L & T CR	M	7.00	Ft	0.1	4.2
48	L & T CR	H	35.00	Ft	0.7	16.6
48	L & T CR	H	6.00	Ft	0.1	8.3
48	L & T CR	H	35.00	Ft	0.7	16.6
57	WEATHERING	L	5019.00	SqFt	100.0	6.0

Sample Number:	14	Type:	R	Area:	5019.00 SqFt	PCI:	65
Sample Comments:							

Distress	Description	Severity	Quantity		Density	Deduct	Comments
48	L & T CR	L	6.00	Ft	0.1	2.5	
48	L & T CR	M	20.00	Ft	0.4	7.5	
48	L & T CR	M	17.00	Ft	0.3	6.9	
48	L & T CR	M	19.00	Ft	0.4	7.3	
48	L & T CR	M	9.00	Ft	0.2	4.8	
48	L & T CR	M	18.00	Ft	0.4	7.1	
48	L & T CR	H	4.00	Ft	0.1	7.5	
48	L & T CR	H	35.00	Ft	0.7	16.6	
48	L & T CR	H	35.00	Ft	0.7	16.6	
48	L & T CR	H	8.00	Ft	0.2	9.4	
57	WEATHERING	L	5019.00	SqFt	100.0	6.0	

Sample Number:	16	Type:	R	Area:	4760.00 SqFt	PCI:	66
Sample Comments:							

Distress	Description	Severity	Quantity		Density	Deduct	Comments
48	L & T CR	L	32.00	Ft	0.7	4.3	
48	L & T CR	L	8.00	Ft	0.2	2.9	
48	L & T CR	M	19.00	Ft	0.4	7.5	
48	L & T CR	M	8.00	Ft	0.2	4.7	
48	L & T CR	M	4.00	Ft	0.1	4.0	
48	L & T CR	M	14.00	Ft	0.3	6.4	
48	L & T CR	M	43.00	Ft	0.9	10.7	
48	L & T CR	M	22.00	Ft	0.5	8.0	
48	L & T CR	M	18.00	Ft	0.4	7.3	
48	L & T CR	M	17.00	Ft	0.4	7.1	
48	L & T CR	H	35.00	Ft	0.7	17.0	
48	L & T CR	H	35.00	Ft	0.7	17.0	
57	WEATHERING	L	4760.00	SqFt	100.0	6.0	

Sample Number:	22	Type:	R	Area:	4977.00 SqFt	PCI:	65
Sample Comments:							

Distress	Description	Severity	Quantity		Density	Deduct	Comments
48	L & T CR	L	6.00	Ft	0.1	2.5	

48	L & T CR	L	10.00	Ft	0.2	3.1
48	L & T CR	L	4.00	Ft	0.1	2.5
48	L & T CR	L	5.00	Ft	0.1	2.5
48	L & T CR	L	30.00	Ft	0.6	4.2
48	L & T CR	L	14.00	Ft	0.3	3.5
48	L & T CR	M	35.00	Ft	0.7	9.6
48	L & T CR	M	5.00	Ft	0.1	4.0
48	L & T CR	M	10.00	Ft	0.2	5.2
48	L & T CR	M	15.00	Ft	0.3	6.5
48	L & T CR	M	35.00	Ft	0.7	9.6
48	L & T CR	M	11.00	Ft	0.2	5.5
48	L & T CR	M	44.00	Ft	0.9	10.6
48	L & T CR	M	12.00	Ft	0.2	5.7
48	L & T CR	H	35.00	Ft	0.7	16.7
57	WEATHERING	L	4977.00	SqFt	100.0	6.0

Sample Number: 25
Type: R
Area: 4977.00 SqFt
PCI: 66

Sample Comments:

Distress	Description	Severity	Quantity		Density	Deduct	Comments
48	L & T CR	L	33.00	Ft	0.7	4.3	
48	L & T CR	L	8.00	Ft	0.2	2.8	
48	L & T CR	L	11.00	Ft	0.2	3.2	
48	L & T CR	L	4.00	Ft	0.1	2.5	
48	L & T CR	L	18.00	Ft	0.4	3.8	
48	L & T CR	L	31.00	Ft	0.6	4.3	
48	L & T CR	M	18.00	Ft	0.4	7.1	
48	L & T CR	M	35.00	Ft	0.7	9.6	
48	L & T CR	M	10.00	Ft	0.2	5.2	
48	L & T CR	M	10.00	Ft	0.2	5.2	
48	L & T CR	M	6.00	Ft	0.1	4.0	
48	L & T CR	M	39.00	Ft	0.8	10.1	
48	L & T CR	M	35.00	Ft	0.7	9.6	
48	L & T CR	M	33.00	Ft	0.7	9.4	
48	L & T CR	M	30.00	Ft	0.6	9.0	
57	WEATHERING	L	4977.00	SqFt	100.0	6.0	

Sample Number: 28
Type: R
Area: 4977.00 SqFt
PCI: 60

Sample Comments:

Distress	Description	Severity	Quantity		Density	Deduct	Comments
48	L & T CR	L	10.00	Ft	0.2	3.1	
48	L & T CR	L	8.00	Ft	0.2	2.8	
48	L & T CR	L	21.00	Ft	0.4	3.9	

48	L & T CR	L	20.00	Ft	0.4	3.9
48	L & T CR	L	8.00	Ft	0.2	2.8
48	L & T CR	L	8.00	Ft	0.2	2.8
48	L & T CR	M	24.00	Ft	0.5	8.2
48	L & T CR	M	17.00	Ft	0.3	6.9
48	L & T CR	M	37.00	Ft	0.7	9.9
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	16.00	Ft	0.3	6.7
48	L & T CR	M	32.00	Ft	0.6	9.3
48	L & T CR	M	14.00	Ft	0.3	6.3
48	L & T CR	M	36.00	Ft	0.7	9.7
48	L & T CR	M	10.00	Ft	0.2	5.2
48	L & T CR	M	6.00	Ft	0.1	4.0
50	PATCHING	M	60.00	SqFt	1.2	10.1
57	WEATHERING	L	4977.00	SqFt	100.0	6.0

Sample Number: 3
Type: R
Area: 5019.00 SqFt
PCI: 64

Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
48	L & T CR	L	7.00	Ft	0.1	2.6
48	L & T CR	L	8.00	Ft	0.2	2.8
48	L & T CR	L	12.00	Ft	0.2	3.3
48	L & T CR	L	11.00	Ft	0.2	3.2
48	L & T CR	M	17.00	Ft	0.3	6.9
48	L & T CR	M	17.00	Ft	0.3	6.9
48	L & T CR	M	125.00	Ft	2.5	17.6
48	L & T CR	M	17.00	Ft	0.3	6.9
48	L & T CR	H	35.00	Ft	0.7	16.6
48	L & T CR	H	35.00	Ft	0.7	16.6
48	L & T CR	H	17.00	Ft	0.3	12.4
57	WEATHERING	L	5019.00	SqFt	100.0	6.0

Sample Number: 32
Type: A
Area: 3337.00 SqFt
PCI: 65

Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
43	BLOCK CR	L	464.00	SqFt	13.9	18.9
48	L & T CR	L	23.00	Ft	0.7	4.4
48	L & T CR	M	14.00	Ft	0.4	7.7
48	L & T CR	M	23.00	Ft	0.7	9.5
48	L & T CR	M	43.00	Ft	1.3	12.6
50	PATCHING	L	232.00	SqFt	7.0	12.0

57	WEATHERING	L	3337.00	SqFt	100.0	6.0
Sample Number: 6		Type: R	Area: 5019.00 SqFt		PCI: 67	
Sample Comments:						
Distress	Description	Severity	Quantity	Density	Deduct	Comments
48	L & T CR	L	3.00 Ft	0.1	2.5	
48	L & T CR	L	11.00 Ft	0.2	3.2	
48	L & T CR	L	14.00 Ft	0.3	3.5	
48	L & T CR	L	6.00 Ft	0.1	2.5	
48	L & T CR	L	20.00 Ft	0.4	3.9	
48	L & T CR	M	6.00 Ft	0.1	4.0	
48	L & T CR	M	18.00 Ft	0.4	7.1	
48	L & T CR	M	14.00 Ft	0.3	6.2	
48	L & T CR	M	18.00 Ft	0.4	7.1	
48	L & T CR	H	35.00 Ft	0.7	16.6	
48	L & T CR	H	35.00 Ft	0.7	16.6	
57	WEATHERING	L	5019.00	SqFt	100.0	6.0

Network:	CDW			Name:	Essex County Airport							
Branch:	TW P		Name:	Taxiway P		Use:	TAXIWAY	Area:	191,283 SqFt			
Section:	1	of	3	From:	RW 4			To:	CC before RW 22		Last Const.:	6/1/2007
Surface:	AC		Family:	DEFAULT		Zone:		Category:		Rank:	B	
Area:	139,805 SqFt		Length:	3,495 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:	6/1/2007			Work Type:	New Construction - Initial			Code:	NC-IN		Is Major M&R:	True
Last Insp. Date:	7/20/2021			TotalSamples:	26			Surveyed:	11			
Conditions:	PCI:		44									
Inspection Comments:												
Sample Number:	12		Type:	R		Area:	4942.00 SqFt		PCI:	29		
Sample Comments:												
Distress	Description		Severity	Quantity		Density	Deduct	Comments				
41	ALLIGATOR CR		L	20.00	SqFt	0.4	12.8					
41	ALLIGATOR CR		L	10.00	SqFt	0.2	8.6					
41	ALLIGATOR CR		M	48.00	SqFt	1.0	28.9					
41	ALLIGATOR CR		M	24.00	SqFt	0.5	22.6					
43	BLOCK CR		M	1660.00	SqFt	33.6	35.4					
43	BLOCK CR		M	1640.00	SqFt	33.2	35.2					
48	L & T CR		M	20.00	Ft	0.4	7.5					
48	L & T CR		H	20.00	Ft	0.4	13.3					
48	L & T CR		H	20.00	Ft	0.4	13.3					
50	PATCHING		M	44.00	SqFt	0.9	9.1					
50	PATCHING		H	1.00	SqFt	0.0	15.5	core				
57	WEATHERING		M	4942.00	SqFt	100.0	20.3					
Sample Number:	15		Type:	R		Area:	4942.00 SqFt		PCI:	53		
Sample Comments:												
Distress	Description		Severity	Quantity		Density	Deduct	Comments				
43	BLOCK CR		L	128.00	SqFt	2.6	10.9					
48	L & T CR		L	12.00	Ft	0.2	3.4					
48	L & T CR		L	12.00	Ft	0.2	3.4					
48	L & T CR		L	12.00	Ft	0.2	3.4					
48	L & T CR		L	16.00	Ft	0.3	3.7					
48	L & T CR		M	15.00	Ft	0.3	6.5					
48	L & T CR		M	5.00	Ft	0.1	4.0					
48	L & T CR		M	16.00	Ft	0.3	6.7					
48	L & T CR		M	22.00	Ft	0.4	7.9					
48	L & T CR		M	14.00	Ft	0.3	6.3					
48	L & T CR		M	55.00	Ft	1.1	11.8					
48	L & T CR		M	40.00	Ft	0.8	10.2					

48	L & T CR	M	16.00	Ft	0.3	6.7
48	L & T CR	M	40.00	Ft	0.8	10.2
48	L & T CR	M	20.00	Ft	0.4	7.5
48	L & T CR	M	18.00	Ft	0.4	7.2
48	L & T CR	M	20.00	Ft	0.4	7.5
48	L & T CR	M	20.00	Ft	0.4	7.5
48	L & T CR	H	6.00	Ft	0.1	8.3
48	L & T CR	H	5.00	Ft	0.1	7.6
57	WEATHERING	M	4942.00	SqFt	100.0	20.3

Sample Number: 17
 Type: R
 Area: 4942.00 SqFt
 PCI: 52

Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
43	BLOCK CR	L	2471.00	SqFt	50.0	28.5
48	L & T CR	L	20.00	Ft	0.4	3.9
48	L & T CR	M	8.00	Ft	0.2	4.6
48	L & T CR	M	30.00	Ft	0.6	9.0
48	L & T CR	M	18.00	Ft	0.4	7.2
48	L & T CR	M	53.00	Ft	1.1	11.6
48	L & T CR	M	18.00	Ft	0.4	7.2
48	L & T CR	M	25.00	Ft	0.5	8.3
48	L & T CR	H	20.00	Ft	0.4	13.3
48	L & T CR	H	20.00	Ft	0.4	13.3
48	L & T CR	H	22.00	Ft	0.4	13.8
57	WEATHERING	M	4942.00	SqFt	100.0	20.3

Sample Number: 2
 Type: R
 Area: 4942.00 SqFt
 PCI: 34

Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
41	ALLIGATOR CR	M	68.00	SqFt	1.4	32.4
43	BLOCK CR	M	2500.00	SqFt	50.6	41.0
48	L & T CR	M	20.00	Ft	0.4	7.5
48	L & T CR	M	15.00	Ft	0.3	6.5
48	L & T CR	M	20.00	Ft	0.4	7.5
48	L & T CR	M	10.00	Ft	0.2	5.2
48	L & T CR	M	10.00	Ft	0.2	5.2
48	L & T CR	M	23.00	Ft	0.5	8.0
48	L & T CR	H	20.00	Ft	0.4	13.3
48	L & T CR	H	20.00	Ft	0.4	13.3
48	L & T CR	H	22.00	Ft	0.4	13.8
57	WEATHERING	M	4942.00	SqFt	100.0	20.3

Sample Number: 21		Type: R	Area:		4942.00 SqFt	PCI: 43
Sample Comments:						
Distress	Description	Severity	Quantity	Density	Deduct	Comments
43	BLOCK CR	M	2471.00 SqFt	50.0	40.9	
48	L & T CR	L	8.00 Ft	0.2	2.8	
48	L & T CR	L	16.00 Ft	0.3	3.7	
48	L & T CR	L	21.00 Ft	0.4	3.9	
48	L & T CR	L	6.00 Ft	0.1	2.5	
48	L & T CR	M	14.00 Ft	0.3	6.3	
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	58.00 Ft	1.2	12.1	
48	L & T CR	M	6.00 Ft	0.1	4.0	
48	L & T CR	M	14.00 Ft	0.3	6.3	
48	L & T CR	M	20.00 Ft	0.4	7.5	
48	L & T CR	M	5.00 Ft	0.1	4.0	
48	L & T CR	M	20.00 Ft	0.4	7.5	
48	L & T CR	M	12.00 Ft	0.2	5.8	
48	L & T CR	M	4.00 Ft	0.1	4.0	
48	L & T CR	M	20.00 Ft	0.4	7.5	
48	L & T CR	M	14.00 Ft	0.3	6.3	
48	L & T CR	H	6.00 Ft	0.1	8.3	
57	WEATHERING	L	4942.00 SqFt	100.0	6.0	

Sample Number: 34		Type: R	Area:		4942.00 SqFt		PCI: 44	
Sample Comments:								
Distress	Description	Severity	Quantity		Density	Deduct	Comments	
43	BLOCK CR	L	2471.00	SqFt	50.0	28.5		
43	BLOCK CR	M	2471.00	SqFt	50.0	40.9		
48	L & T CR	M	40.00	Ft	0.8	10.2	Was recorded in field as joint reflection crack, seems like a mistake, changed to LT crack	
57	WEATHERING	L	4942.00	SqFt	100.0	6.0		

Sample Number: 36		Type: R	Area:		4942.00 SqFt		PCI: 54	
Sample Comments:								
Distress	Description	Severity	Quantity		Density	Deduct	Comments	
43	BLOCK CR	L	440.00	SqFt	8.9	16.4		
43	BLOCK CR	M	1080.00	SqFt	21.9	30.4		
48	L & T CR	M	23.00	Ft	0.5	8.0		
48	L & T CR	M	19.00	Ft	0.4	7.3		
48	L & T CR	M	17.00	Ft	0.3	7.0		
48	L & T CR	M	40.00	Ft	0.8	10.2		
48	L & T CR	M	18.00	Ft	0.4	7.2		

48	L & T CR	M	22.00	Ft	0.4	7.9
48	L & T CR	M	20.00	Ft	0.4	7.5
50	PATCHING	M	80.00	SqFt	1.6	11.3
50	PATCHING	M	60.00	SqFt	1.2	10.1
50	PATCHING	M	42.00	SqFt	0.8	9.0
50	PATCHING	M	76.00	SqFt	1.5	11.1

Sample Number: 37
 Type: R
 Area: 6350.00 SqFt
 PCI: 52

Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
43	BLOCK CR	L	2107.00	SqFt	33.2	25.0
43	BLOCK CR	M	2107.00	SqFt	33.2	35.2
50	PATCHING	L	2.00	SqFt	0.0	2.0 core
57	WEATHERING	M	3150.00	SqFt	49.6	15.2

Sample Number: 5
 Type: R
 Area: 4942.00 SqFt
 PCI: 32

Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
41	ALLIGATOR CR	L	16.00	SqFt	0.3	11.3
41	ALLIGATOR CR	L	76.00	SqFt	1.5	24.5
43	BLOCK CR	M	3800.00	SqFt	76.9	48.0
48	L & T CR	H	40.00	Ft	0.8	17.8
50	PATCHING	M	70.00	SqFt	1.4	10.7
50	PATCHING	M	9.00	SqFt	0.2	7.1
50	PATCHING	M	12.00	SqFt	0.2	7.4
57	WEATHERING	M	4942.00	SqFt	100.0	20.3

Sample Number: 7
 Type: R
 Area: 4942.00 SqFt
 PCI: 36

Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
43	BLOCK CR	M	3982.00	SqFt	80.6	48.8
48	L & T CR	H	40.00	Ft	0.8	17.8
50	PATCHING	M	80.00	SqFt	1.6	11.3
57	WEATHERING	M	4942.00	SqFt	100.0	20.3

Sample Number: 9
 Type: R
 Area: 4942.00 SqFt
 PCI: 49

Sample Comments:

Distress	Description	Severity	Quantity	Density	Deduct	Comments
43	BLOCK CR	M	2471.00	SqFt	50.0	40.9
50	PATCHING	M	80.00	SqFt	1.6	11.3
57	WEATHERING	M	4942.00	SqFt	100.0	20.3

Network:	CDW			Name:	Essex County Airport									
Branch:	TW P		Name:	Taxiway P		Use:	TAXIWAY	Area:	191,283 SqFt					
Section:	2	of	3	From:	CC before TW B			To:	RW 22		Last Const.:	6/1/2007		
Surface:	AC		Family:	DEFAULT		Zone:				Category:	Rank:		B	
Area:	47,931 SqFt		Length:	1,198 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:	6/1/2007			Work Type:				New Construction - Initial			Code:	NC-IN	Is Major M&R:	True
Last Insp. Date:	7/20/2021			TotalSamples:		10		Surveyed:						4
Conditions:	PCI:	61												
Inspection Comments:														
Sample Number:	25	Type:	R	Area:		4786.00 SqFt			PCI:		63			
Sample Comments:														
Distress	Description	Severity	Quantity	Density	Deduct	Comments								
43	BLOCK CR	L	3350.00 SqFt	70.0	31.7									
57	WEATHERING	L	4786.00 SqFt	100.0	6.0									
Sample Number:	28	Type:	R	Area:		4786.00 SqFt			PCI:		51			
Sample Comments:														
Distress	Description	Severity	Quantity	Density	Deduct	Comments								
41	ALLIGATOR CR	L	40.00 SqFt	0.8	18.8									
48	L & T CR	L	26.00 Ft	0.5	4.1									
48	L & T CR	L	20.00 Ft	0.4	3.9									
48	L & T CR	L	40.00 Ft	0.8	4.6									
48	L & T CR	M	11.00 Ft	0.2	5.6									
48	L & T CR	M	28.00 Ft	0.6	8.9									
48	L & T CR	M	14.00 Ft	0.3	6.4									
48	L & T CR	M	18.00 Ft	0.4	7.3									
48	L & T CR	M	40.00 Ft	0.8	10.4									
48	L & T CR	M	14.00 Ft	0.3	6.4									
48	L & T CR	M	7.00 Ft	0.1	4.3									
48	L & T CR	M	15.00 Ft	0.3	6.6									
48	L & T CR	M	8.00 Ft	0.2	4.6									
48	L & T CR	M	80.00 Ft	1.7	14.3									
48	L & T CR	M	3.00 Ft	0.1	4.0									
48	L & T CR	M	80.00 Ft	1.7	14.3									
48	L & T CR	M	8.00 Ft	0.2	4.6									
48	L & T CR	M	11.00 Ft	0.2	5.6									
50	PATCHING	M	1.00 SqFt	0.0	6.2	core								
57	WEATHERING	L	4786.00 SqFt	100.0	6.0									
Sample Number:	30	Type:	R	Area:		4786.00 SqFt			PCI:		65			
Sample Comments:														

Distress	Description	Severity	Quantity		Density	Deduct	Comments
48	L & T CR	M	16.00	Ft	0.3	6.9	
48	L & T CR	M	6.00	Ft	0.1	4.1	
48	L & T CR	M	37.00	Ft	0.8	10.0	
48	L & T CR	M	4.00	Ft	0.1	4.0	
48	L & T CR	M	8.00	Ft	0.2	4.6	
50	PATCHING	L	19.00	SqFt	0.4	2.3	
50	PATCHING	M	4.00	SqFt	0.1	6.2	
50	PATCHING	M	1.00	SqFt	0.0	6.2	core
50	PATCHING	M	33.00	SqFt	0.7	8.5	
50	PATCHING	M	20.00	SqFt	0.4	7.8	
50	PATCHING	H	40.00	SqFt	0.8	18.3	
57	WEATHERING	M	4786.00	SqFt	100.0	20.3	

Sample Number: 32
Type: R
Area: 4786.00 SqFt
PCI: 65

Sample Comments:

Distress	Description	Severity	Quantity		Density	Deduct	Comments
48	L & T CR	L	6.00	Ft	0.1	2.5	
48	L & T CR	L	11.00	Ft	0.2	3.3	
48	L & T CR	L	4.00	Ft	0.1	2.5	
48	L & T CR	M	13.00	Ft	0.3	6.1	
48	L & T CR	M	23.00	Ft	0.5	8.1	
48	L & T CR	M	37.00	Ft	0.8	10.0	
48	L & T CR	M	40.00	Ft	0.8	10.4	
48	L & T CR	M	8.00	Ft	0.2	4.6	
48	L & T CR	M	14.00	Ft	0.3	6.4	
48	L & T CR	H	40.00	Ft	0.8	18.0	
57	WEATHERING	M	4786.00	SqFt	100.0	20.3	

Network:	CDW			Name:	Essex County Airport									
Branch:	TW P		Name:	Taxiway P		Use:	TAXIWAY	Area:	191,283 SqFt					
Section:	3	of	3	From:	CC			To:	RW 22		Last Const.:	6/1/2007		
Surface:	AC		Family:	DEFAULT		Zone:		Category:		Rank:	B			
Area:	3,547 SqFt		Length:	89 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:	6/1/2007			Work Type:				New Construction - Initial			Code:	NC-IN	Is Major M&R:	True
Last Insp. Date:	7/20/2021			TotalSamples:			1			Surveyed:				1
Conditions:	PCI:	93												
Inspection Comments:														
Sample Number:	39		Type:	R		Area:			3547.00 SqFt			PCI:	93	
Sample Comments:														
Distress	Description			Severity	Quantity		Density	Deduct	Comments					
48	L & T CR			M	14.00 Ft		0.4	7.4						

Network:	CDW			Name:	Essex County Airport						
Branch:	TW T		Name:	Taxiway T		Use:	TAXIWAY	Area:	3,227 SqFt		
Section:	1	of	1	From:	TW P		To:	TW H	Last Const.:	6/1/1993	
Surface:	AC	Family:	DEFAULT		Zone:		Category:		Rank:	B	
Area:	3,227 SqFt	Length:	77 Ft		Width:	42 Ft					
Slabs:		Slab Length:	Ft		Slab Width:	Ft		Joint Length:	Ft		
Shoulder:		Street Type:			Grade:	0		Lanes:	0		
Section Comments:											
Work Date:	6/1/1993			Work Type:	New Construction - Initial			Code:	NC-IN	Is Major M&R:	True
Last Insp. Date:	7/20/2021			TotalSamples:	1		Surveyed:	1			
Conditions:	PCI:	51									
Inspection Comments:											
Sample Number:	1	Type:	R	Area:	3227.00 SqFt		PCI:	51			
Sample Comments:											
Distress	Description	Severity	Quantity	Density	Deduct	Comments					
48	L & T CR	L	1614.00 Ft	50.0	43.9						
57	WEATHERING	M	3227.00 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 10-28	1	BLOCK CRACKING	43	Medium	215669	SqFt	49.0	81.4	Climate/Durability
		PATCHING	50	Low	115	SqFt	2.0	0.0	Climate/Durability
		RAVELING	52	Low	56780	SqFt	14.1	21.4	Climate/Durability
	2	WEATHERING	57	Low	208061	SqFt	5.7	78.6	Climate/Durability
		BLOCK CRACKING	43	Low	5022	SqFt	19.5	15.3	Climate/Durability
		BLOCK CRACKING	43	Medium	9740	SqFt	33.9	29.7	Climate/Durability
Runway 4-22	1	WEATHERING	57	Medium	14762	SqFt	14.4	45.0	Climate/Durability
		L & T CR	48	Medium	197	Ft	4.0	0.1	Climate/Durability
		L & T CR	48	Low	395	Ft	2.5	0.1	Climate/Durability
		PATCHING	50	Low	15	SqFt	2.0	0.0	Climate/Durability
		RAVELING	52	Low	30	SqFt	1.0	0.0	Climate/Durability
Taxiway A	1	BLOCK CRACKING	43	Medium	2500	SqFt	32.7	27.0	Climate/Durability
		L & T CR	48	Medium	58	Ft	9.2	0.6	Climate/Durability
		PATCHING	50	Medium	377	SqFt	17.6	4.1	Climate/Durability
		WEATHERING	57	Low	4636	SqFt	4.8	50.0	Climate/Durability
Taxiway B	1	BLOCK CRACKING	43	Low	7792	SqFt	20.7	18.5	Climate/Durability
		BLOCK CRACKING	43	Medium	14121	SqFt	35.3	33.5	Climate/Durability
		L & T CR	48	Low	171	Ft	3.9	0.4	Climate/Durability
		L & T CR	48	Medium	1089	Ft	18.0	2.6	Climate/Durability
		PATCHING	50	Medium	241	SqFt	8.2	0.6	Climate/Durability
		WEATHERING	57	Medium	41965	SqFt	20.3	99.4	Climate/Durability
	2	ALLIGATOR CRACKING	41	High	24	SqFt	17.2	0.1	Load
		BLOCK CRACKING	43	Low	320	SqFt	9.1	1.5	Climate/Durability
		BLOCK CRACKING	43	Medium	2560	SqFt	24.9	12.0	Climate/Durability
		L & T CR	48	Low	8	Ft	2.5	0.0	Climate/Durability
		L & T CR	48	Medium	571	Ft	18.3	2.7	Climate/Durability
		PATCHING	50	Low	858	SqFt	8.7	4.0	Climate/Durability
		SLIPPAGE CRACKING	55	N/A	126	SqFt	8.0	0.6	Other
Taxiway C	1	WEATHERING	57	Low	6268	SqFt	3.6	29.3	Climate/Durability
		WEATHERING	57	Medium	11592	SqFt	15.9	54.3	Climate/Durability
		BLOCK CRACKING	43	Medium	6722	SqFt	50.9	90.0	Climate/Durability
Taxiway D	1	WEATHERING	57	Medium	7469	SqFt	20.3	100.0	Climate/Durability
		BLOCK CRACKING	43	Medium	9505	SqFt	52.0	95.0	Climate/Durability
Taxiway G	1	WEATHERING	57	Medium	10005	SqFt	20.3	100.0	Climate/Durability
		BLOCK CRACKING	43	Medium	7457	SqFt	52.0	95.0	Climate/Durability
		DEPRESSION	45	Low	13	SqFt	0.5	0.2	Other
Taxiway H	1	WEATHERING	57	Medium	7850	SqFt	20.3	100.0	Climate/Durability
		BLOCK CRACKING	43	Medium	34371	SqFt	34.2	30.6	Climate/Durability
		BLOCK CRACKING	43	Low	42998	SqFt	26.1	38.2	Climate/Durability
		DEPRESSION	45	Low	58	SqFt	0.3	0.1	Other
		L & T CR	48	Medium	925	Ft	10.3	0.8	Climate/Durability
		L & T CR	48	Low	1285	Ft	5.3	1.1	Climate/Durability
		PATCHING	50	Medium	104	SqFt	6.2	0.1	Climate/Durability
		WEATHERING	57	Low	24998	SqFt	3.0	22.2	Climate/Durability
		WEATHERING	57	Medium	87389	SqFt	18.6	77.7	Climate/Durability
Taxiway J	1	L & T CR	48	Low	8	Ft	2.9	0.2	Climate/Durability
		L & T CR	48	Medium	133	Ft	18.9	2.8	Climate/Durability
		PATCHING	50	Medium	252	SqFt	20.2	5.4	Climate/Durability
		WEATHERING	57	Low	4431	SqFt	5.9	94.6	Climate/Durability
Taxiway K	1	L & T CR	48	Low	64	Ft	5.9	1.4	Climate/Durability
		L & T CR	48	Medium	95	Ft	16.1	2.1	Climate/Durability
		WEATHERING	57	Low	4535	SqFt	6.0	100.0	Climate/Durability
Taxiway L	1	L & T CR	48	Low	2	Ft	2.5	0.0	Climate/Durability
		L & T CR	48	Medium	84	Ft	15.5	2.0	Climate/Durability
		PATCHING	50	Low	6	SqFt	2.0	0.1	Climate/Durability
		PATCHING	50	Medium	188	SqFt	18.2	4.4	Climate/Durability
		WEATHERING	57	Low	4302	SqFt	6.0	100.0	Climate/Durability
Taxiway N	1	BLOCK CRACKING	43	Low	3148	SqFt	10.1	2.0	Climate/Durability
		L & T CR	48	Low	1345	Ft	4.7	0.9	Climate/Durability
		L & T CR	48	High	1396	Ft	18.7	0.9	Climate/Durability
		L & T CR	48	Medium	4682	Ft	19.6	3.0	Climate/Durability
		PATCHING	50	Medium	184	SqFt	6.6	0.1	Climate/Durability
		PATCHING	50	Low	232	SqFt	2.0	0.2	Climate/Durability
		WEATHERING	57	Low	153966	SqFt	6.0	100.0	Climate/Durability

Extrapolated Distress Data by Section

BRANCH ID	SECTION ID	SHORT DESCRIPTION	DISTRESS ID	DISTRESS SEVERITY	DISTRESS QUANTITY	DISTRESS UNITS	PCI DEDUCT	DENSITY (%)	DISTRESS MECHANISM
Taxiway P	1	ALLIGATOR CRACKING	41	Low	306	SqFt	9.0	0.2	Load
		ALLIGATOR CRACKING	41	Medium	351	SqFt	17.2	0.3	Load
		BLOCK CRACKING	43	Low	19094	SqFt	18.8	13.7	Climate/Durability
		BLOCK CRACKING	43	Medium	60620	SqFt	38.8	43.4	Climate/Durability
		L & T CR	48	Low	308	Ft	3.2	0.2	Climate/Durability
		L & T CR	48	High	654	Ft	14.1	0.5	Climate/Durability
		L & T CR	48	Medium	2424	Ft	14.6	1.7	Climate/Durability
		PATCHING	50	High	3	SqFt	15.5	0.0	Climate/Durability
		PATCHING	50	Low	5	SqFt	2.0	0.0	Climate/Durability
		PATCHING	50	Medium	1386	SqFt	9.4	1.0	Climate/Durability
		WEATHERING	57	Low	24777	SqFt	2.6	17.7	Climate/Durability
		WEATHERING	57	Medium	94617	SqFt	17.6	67.7	Climate/Durability
	2	ALLIGATOR CRACKING	41	Low	100	SqFt	8.8	0.2	Load
		BLOCK CRACKING	43	Low	8387	SqFt	20.4	17.5	Climate/Durability
		L & T CR	48	High	100	Ft	10.4	0.2	Climate/Durability
		L & T CR	48	Low	268	Ft	4.2	0.6	Climate/Durability
		L & T CR	48	Medium	1360	Ft	18.9	2.8	Climate/Durability
		PATCHING	50	Low	48	SqFt	2.0	0.1	Climate/Durability
		PATCHING	50	High	100	SqFt	15.9	0.2	Climate/Durability
		PATCHING	50	Medium	148	SqFt	7.5	0.3	Climate/Durability
	3	WEATHERING	57	Low	23966	SqFt	4.8	50.0	Climate/Durability
		WEATHERING	57	Medium	23966	SqFt	15.3	50.0	Climate/Durability
Taxiway T	1	L & T CR	48	Medium	14	Ft	7.4	0.4	Climate/Durability
		L & T CR	48	Low	1614	Ft	43.9	50.0	Climate/Durability
Apron 1	1	WEATHERING	57	Medium	3227	SqFt	20.3	100.0	Climate/Durability
		ALLIGATOR CRACKING	41	Low	610	SqFt	8.0	0.2	Load
		BLOCK CRACKING	43	Low	30926	SqFt	16.3	8.7	Climate/Durability
		BLOCK CRACKING	43	Medium	43416	SqFt	25.0	12.2	Climate/Durability
		DEPRESSION	45	Medium	37	SqFt	5.2	0.0	Other
		DEPRESSION	45	Low	1084	SqFt	1.7	0.3	Other
		L & T CR	48	High	62	Ft	7.5	0.0	Climate/Durability
		L & T CR	48	Low	548	Ft	2.8	0.2	Climate/Durability
		L & T CR	48	Medium	6576	Ft	15.1	1.9	Climate/Durability
		OIL SPILLAGE	49	N/A	197	SqFt	2.0	0.1	Other
		PATCHING	50	Medium	751	SqFt	7.3	0.2	Climate/Durability
		PATCHING	50	Low	8965	SqFt	6.5	2.5	Climate/Durability
		RAVELING	52	High	493	SqFt	7.2	0.1	Climate/Durability
		RAVELING	52	Low	146221	SqFt	18.7	41.2	Climate/Durability
		WEATHERING	57	Medium	22856	SqFt	4.0	6.4	Climate/Durability
		WEATHERING	57	Low	78317	SqFt	3.0	22.1	Climate/Durability
	2	ALLIGATOR CRACKING	41	Low	61	SqFt	7.0	0.0	Load
		ALLIGATOR CRACKING	41	Medium	61	SqFt	10.0	0.0	Load
		BLOCK CRACKING	43	Medium	2134	SqFt	13.4	1.5	Climate/Durability
		BLOCK CRACKING	43	Low	4217	SqFt	11.4	3.0	Climate/Durability
		L & T CR	48	Low	291	Ft	3.1	0.2	Climate/Durability
		L & T CR	48	Medium	4266	Ft	19.5	3.0	Climate/Durability
		PATCHING	50	Low	135	SqFt	2.0	0.1	Climate/Durability
		PATCHING	50	Medium	220	SqFt	7.0	0.2	Climate/Durability
		WEATHERING	57	High	471	SqFt	5.2	0.3	Climate/Durability
		WEATHERING	57	Low	140573	SqFt	6.0	99.1	Climate/Durability
	3	WEATHERING	57	Low	9425	SqFt	18.4	12.8	Climate/Durability
		BLOCK CRACKING	43	Low	20464	SqFt	33.1	27.9	Climate/Durability
		BLOCK CRACKING	43	Medium	20464	SqFt	33.1	27.9	Climate/Durability
		L & T CR	48	High	42	Ft	7.5	0.1	Climate/Durability
		L & T CR	48	Low	54	Ft	2.5	0.1	Climate/Durability
		L & T CR	48	Medium	1207	Ft	14.2	1.6	Climate/Durability
		PATCHING	50	Medium	19	SqFt	6.2	0.0	Climate/Durability
		PATCHING	50	High	48	SqFt	15.5	0.1	Climate/Durability
		PATCHING	50	Low	390	SqFt	2.5	0.5	Climate/Durability
		RAVELING	52	Low	46537	SqFt	22.2	63.4	Climate/Durability
Apron 2	1	WEATHERING	57	High	25	SqFt	3.2	0.0	Climate/Durability
		BLOCK CRACKING	43	Medium	48363	SqFt	46.6	71.1	Climate/Durability
		L & T CR	48	Medium	288	Ft	7.7	0.4	Climate/Durability
		PATCHING	50	High	26	SqFt	15.5	0.0	Climate/Durability
		RAVELING	52	Medium	5664	SqFt	19.1	8.3	Climate/Durability
		RAVELING	52	Low	14161	SqFt	14.0	20.8	Climate/Durability
		WEATHERING	57	Low	22660	SqFt	3.9	33.3	Climate/Durability
Apron 3	1	WEATHERING	57	Low	22660	SqFt	3.9	33.3	Climate/Durability
		BLOCK CRACKING	43	Low	26147	SqFt	26.9	41.7	Climate/Durability
		BLOCK CRACKING	43	Medium	31606	SqFt	41.0	50.5	Climate/Durability
		DEPRESSION	45	Low	141	SqFt	1.0	0.2	Other
		DEPRESSION	45	Medium	406	SqFt	12.3	0.6	Other
		PATCHING	50	High	29	SqFt	15.5	0.0	Climate/Durability
		PATCHING	50	Medium	431	SqFt	8.5	0.7	Climate/Durability
		RAVELING	52	High	36	SqFt	6.0	0.1	Climate/Durability
		WEATHERING	57	Low	17844	SqFt	3.5	28.5	Climate/Durability

Extrapolated Distress Data by Section

BRANCH ID	SECTION ID	SHORT DESCRIPTION	DISTRESS ID	DISTRESS SEVERITY	DISTRESS QUANTITY	DISTRESS UNITS	PCI DEDUCT	DENSITY (%)	DISTRESS MECHANISM
Apron 4	1	BLOCK CRACKING	43	Low	22741	SqFt	24.7	32.0	Climate/Durability
		BLOCK CRACKING	43	Medium	46356	SqFt	45.1	65.3	Climate/Durability
		DEPRESSION	45	Medium	4	SqFt	5.2	0.0	Other
		DEPRESSION	45	Low	230	SqFt	1.8	0.3	Other
		L & T CR	48	High	25	Ft	7.5	0.0	Climate/Durability
		L & T CR	48	Low	63	Ft	2.5	0.1	Climate/Durability
		L & T CR	48	Medium	70	Ft	4.0	0.1	Climate/Durability
		PATCHING	50	High	27	SqFt	15.5	0.0	Climate/Durability
		PATCHING	50	Low	743	SqFt	3.7	1.0	Climate/Durability
		PATCHING	50	Medium	1557	SqFt	13.0	2.2	Climate/Durability
Apron 5	1	WEATHERING	57	Low	64716	SqFt	5.9	91.1	Climate/Durability
		BLOCK CRACKING	43	Low	13474	SqFt	19.0	14.2	Climate/Durability
		BLOCK CRACKING	43	Medium	69772	SqFt	47.1	73.3	Climate/Durability
		L & T CR	48	Medium	467	Ft	8.2	0.5	Climate/Durability
		PATCHING	50	Medium	74	SqFt	6.2	0.1	Climate/Durability
		PATCHING	50	Low	79	SqFt	2.0	0.1	Climate/Durability
		SHOVING	54	High	8	SqFt	10.0	0.0	Other
Apron 6	1	WEATHERING	57	Low	88062	SqFt	5.9	92.5	Climate/Durability
		BLOCK CRACKING	43	Medium	93197	SqFt	47.8	76.0	Climate/Durability
		PATCHING	50	Low	698	SqFt	2.6	0.6	Climate/Durability
		PATCHING	50	Medium	731	SqFt	8.3	0.6	Climate/Durability
		RAVELING	52	Medium	6679	SqFt	15.8	5.4	Climate/Durability
		RAVELING	52	Low	13358	SqFt	10.3	10.9	Climate/Durability
		WEATHERING	57	Low	89247	SqFt	5.6	72.8	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