

# Clinton Municipal Airport

## PAVEMENT MANAGEMENT REPORT



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# CLINTON MUNICIPAL AIRPORT PAVEMENT MANAGEMENT REPORT

## Prepared For:



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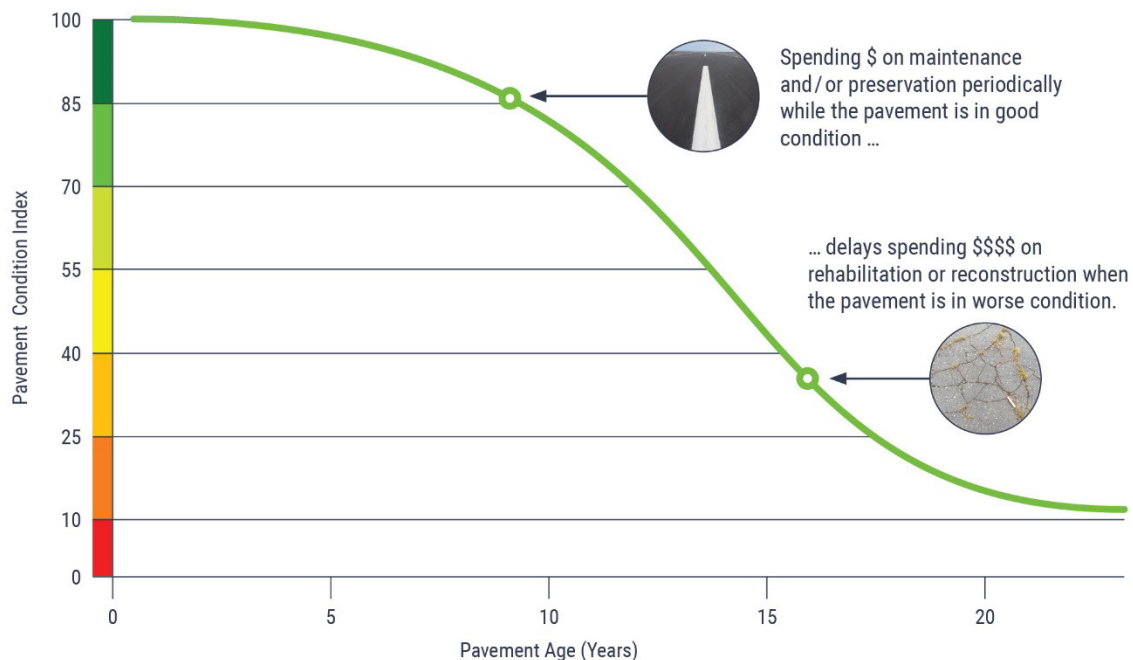
## INTRODUCTION

Applied Pavement Technology, Inc. (APTech), with assistance from Robinson Engineering Company, updated the Airport Pavement Management System (APMS) for the Iowa Department of Transportation, Modal Transportation Bureau – Aviation (Iowa DOT). The APMS provides a means to monitor the condition of the pavements within the state of Iowa and to proactively plan for their preservation.

As part of this project, pavement conditions at Clinton Municipal Airport were assessed in November 2021 using the Pavement Condition Index (PCI) procedure. During a PCI inspection, the types, severities, and amounts of distress present in a pavement are quantified. This information is then used to develop a composite index that represents the overall condition of the pavement in numerical terms, ranging from 0 (failed) to 100 (excellent). The PCI provides an overall measure of condition and an indication of the level of work that will be required to maintain or repair a pavement. The distress information also provides insight into what is causing the pavement to deteriorate, which is the first step in selecting the appropriate repair action to correct the problem.

Programmed into an APMS, PCI information is used to determine when preventive maintenance actions (such as crack or joint sealing) are advisable and to identify the most cost-effective time to perform major rehabilitation (such as an overlay or whitetopping). Delaying maintenance and rehabilitation (M&R) until a pavement structure has seriously degraded can cost many times more than if M&R was applied earlier in a pavement's life cycle, as shown in Figure 1. From a safety perspective, pavement distresses, such as cracks and loose debris, may pose risks in terms of the potential for aircraft tire damage and the ability of a pilot to safely control aircraft.

Figure 1. Pavement condition versus cost of repair.



The pavement evaluation results for Clinton Municipal Airport are presented within this report and can be used by Clinton Municipal Airport, the Iowa DOT, and the Federal Aviation Administration (FAA) to identify, prioritize, and schedule pavement M&R actions at the airport. In addition to this report, the interactive pavement management data visualization tool IDEA, containing the pavement management information collected during this project, was updated and may be accessed from the Iowa DOT's website (<https://iowadot.gov/aviation>).

## PAVEMENT INVENTORY

The project began with a review of the existing inventory information pertaining to the pavements at Clinton Municipal Airport. The date of original construction, along with the date of any subsequent rehabilitation; the location of completed work; and the type of work undertaken were gathered. The information was used to update the pavement management database and associated maps as necessary to account for pavement-related work that had been undertaken since the last time the airport was evaluated in 2018.

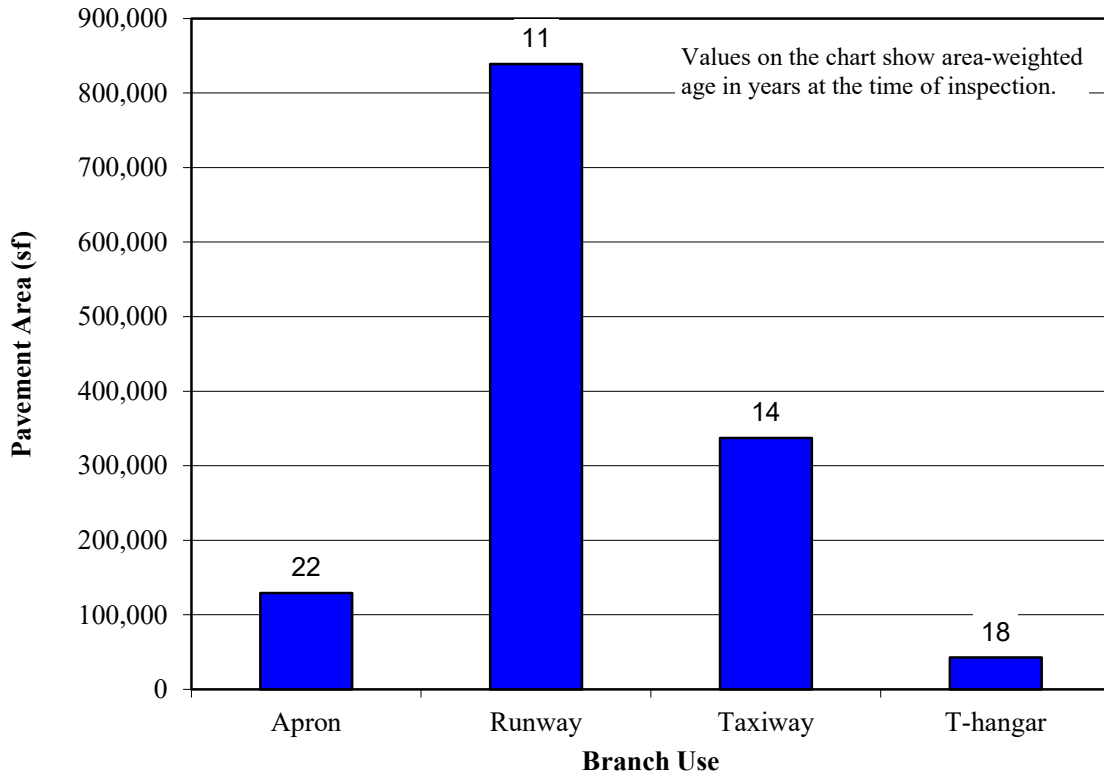
The pavement network at Clinton Municipal Airport was then divided into branches, sections, and sample units. A branch is a single entity that serves a distinct function. For example, a runway is considered a branch because it serves a single function (allowing aircraft to take off and land). Taxiways, aprons, and T-hangars are also separate branches.

Each branch was further divided into sections. Traditionally, sections are defined as parts of the branch that share common attributes, such as cross-section, date of last construction, traffic level, and performance. Using this approach, if a runway was built in 1968 and then extended in 1984, it would contain two separate sections.

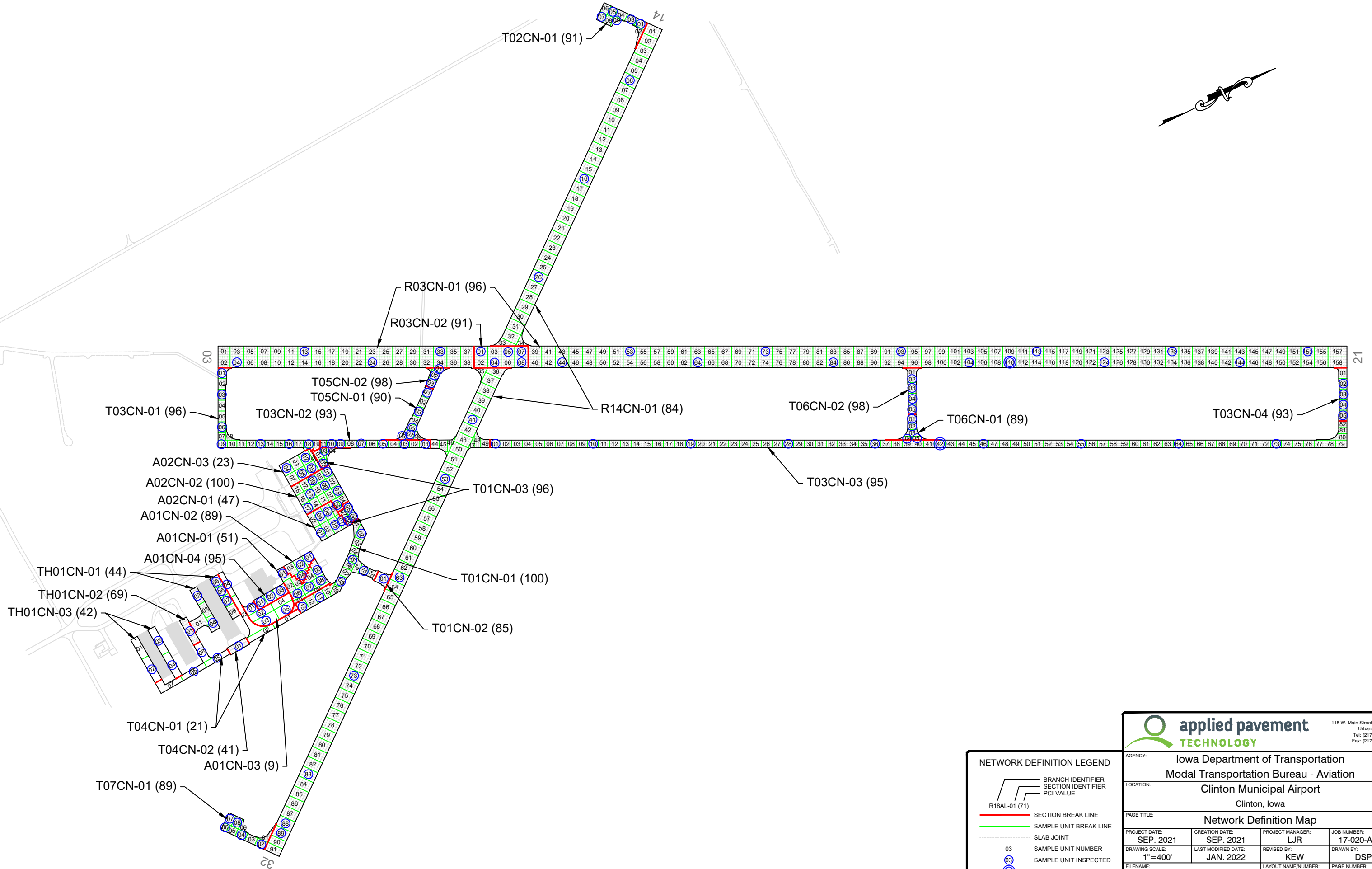
To estimate the overall condition of a pavement section, each section was subdivided into sample units. Portions of these sample units were evaluated during the pavement inspection, and the collected information was extrapolated to predict the overall section condition and quantities of distress.

Approximately 1,348,100 square feet of pavement were evaluated at Clinton Municipal Airport, as illustrated in Figure 2. This figure also shows the area-weighted age, in years, of the pavements at the time of the inspection. Figure 3 provides a map that details how the pavement network was divided into management units and identifies the sample units that were evaluated during the pavement inspection at Clinton Municipal Airport.

Figure 2. Pavement area by branch use at Clinton Municipal Airport.



# FIGURE 3. NETWORK DEFINITION MAP.



**NETWORK DEFINITION LEGEND**

- BRANCH IDENTIFIER
- SECTION IDENTIFIER
- PCI VALUE
- SECTION BREAK LINE
- SAMPLE UNIT BREAK LINE
- SLAB JOINT
- SAMPLE UNIT NUMBER
- SAMPLE UNIT INSPECTED
- ADDITIONAL SAMPLE UNIT

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AGENCY: Iowa Department of Transportation  
 Modal Transportation Bureau - Aviation

LOCATION: Clinton Municipal Airport  
 Clinton, Iowa

PAGE TITLE: Network Definition Map

PROJECT DATE: SEP. 2021	CREATION DATE: SEP. 2021	PROJECT MANAGER: LJR	JOB NUMBER: 17-020-AM05
DRAWING SCALE: 1"=400'	LAST MODIFIED DATE: JAN. 2022	REVISED BY: KEW	DRAWN BY: DSP
FILENAME: Clinton.dwg		LAYOUT NAME/NUMBER: NET. DEF.	PAGE NUMBER: 5

## PAVEMENT EVALUATION

### Pavement Evaluation Procedure

APTech inspected the pavements at Clinton Municipal Airport using the PCI procedure described in:

- FAA Advisory Circular 150/5380-6C, *Guidelines and Procedures for Maintenance of Airport Pavements* ([https://www.faa.gov/documentLibrary/media/Advisory\\_Circular/150-5380-6C.pdf](https://www.faa.gov/documentLibrary/media/Advisory_Circular/150-5380-6C.pdf)).
- FAA Advisory Circular 150/5380-7B, *Airport Pavement Management Program (PMP)* ([https://www.faa.gov/documentLibrary/media/Advisory\\_Circular/150-5380-7B.pdf](https://www.faa.gov/documentLibrary/media/Advisory_Circular/150-5380-7B.pdf)).
- ASTM D5340-20, *Standard Test Method for Airport Pavement Condition Index Surveys*.

The PCI provides a numerical indication of overall pavement condition, as illustrated in Figure 4. The types and amounts of deterioration are used to calculate the PCI of the section. The PCI ranges from a value of 0, which represents a pavement in a failed condition, to a value of 100, which represents a pavement in excellent condition. It is important to note that factors other than overall PCI need to be considered when identifying the appropriate type of repair, including types of distress present and rate of deterioration. Also, since the PCI does not assess the structural integrity or capacity of the pavement structure, further testing may be needed to validate and refine the treatment strategy.

Figure 4. Visual representation of PCI scale on typical pavement surfaces<sup>1</sup>.



<sup>1</sup>Photographs shown are not specific to Clinton Municipal Airport.

Generally, pavements with relatively high PCIs that are not exhibiting significant load-related distress will benefit from preventive maintenance actions, such as crack sealing or joint resealing. As the PCI drops, the pavements may require major rehabilitation, such as an overlay or whitetopping. In some situations where the PCI has dropped low enough, reconstruction may be the only viable alternative due to the substantial damage to the pavement structure. Figure 5 illustrates how the appropriate repair type varies with the PCI of a pavement section and provides the corresponding colors used for the maps and charts in this report for each range of PCIs.



Figure 5. PCI versus repair type.

PCI Range	Repair
86-100	Preventive Maintenance
71-85	
56-70	
41-55	Major Rehabilitation
26-40	Reconstruction
11-25	
0-10	

The types of distress identified during the PCI inspection provide insight into the cause of pavement deterioration, which in turn helps in selecting a rehabilitation alternative that corrects the cause, thus eliminating or delaying its recurrence. PCI distress types are characterized as load-related (such as alligator cracking on asphalt-surfaced pavements or shattered slabs on portland cement concrete [PCC] pavements), climate/durability-related (such as weathering [a climate-related distress type on asphalt-surfaced pavements] and durability cracking [a durability-related distress type on PCC pavements]), and other (distress types that cannot be attributed solely to load or climate/durability).

Appendix A identifies the distress types considered during a PCI inspection and describes the likely cause of each distress type. It should be noted that a PCI is based on visual signs of pavement deterioration and does not provide a measure of structural capacity.

**Pavement Evaluation Results**

The pavements at Clinton Municipal Airport were inspected in November 2021. The 2021 area-weighted condition of Clinton Municipal Airport is 86, with conditions ranging from 44 to 100 (on a scale of 0 [failed] to 100 [excellent]). During the previous pavement inspection in 2018, the area-weighted PCI of the airport was 87.

Figure 6 summarizes the overall condition of the pavements at Clinton Municipal Airport, and Figure 7 presents area-weighted condition (average PCI adjusted to account for the relative size of the pavement sections) by branch use. Figure 8 is a map that displays the condition of the evaluated pavements. Table 1 summarizes the results of the pavement evaluation. Appendix B presents photographs taken during the PCI inspection, and Appendix C contains detailed information on the distress types observed during the visual survey. Appendix D includes detailed work history information that was collected during the record review process.

Figure 6. Pavement area by PCI range at Clinton Municipal Airport.

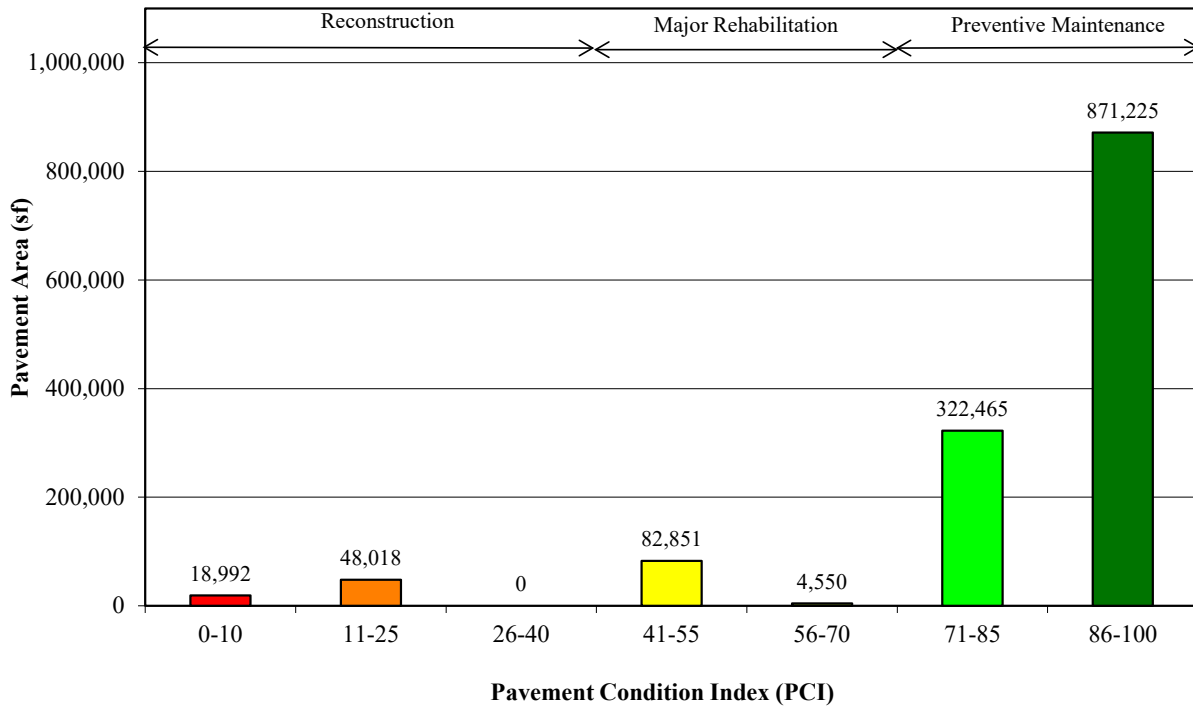


Figure 7. Area-weighted PCI by branch use at Clinton Municipal Airport.

(Values on chart are area-weighted)

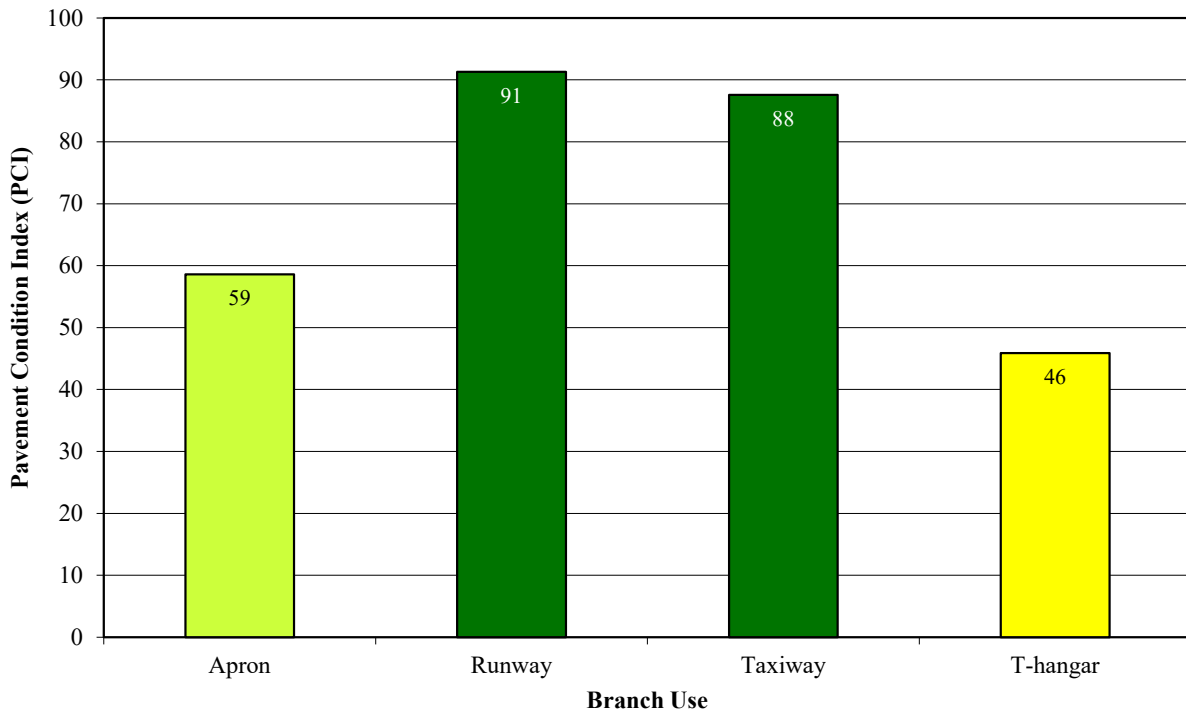
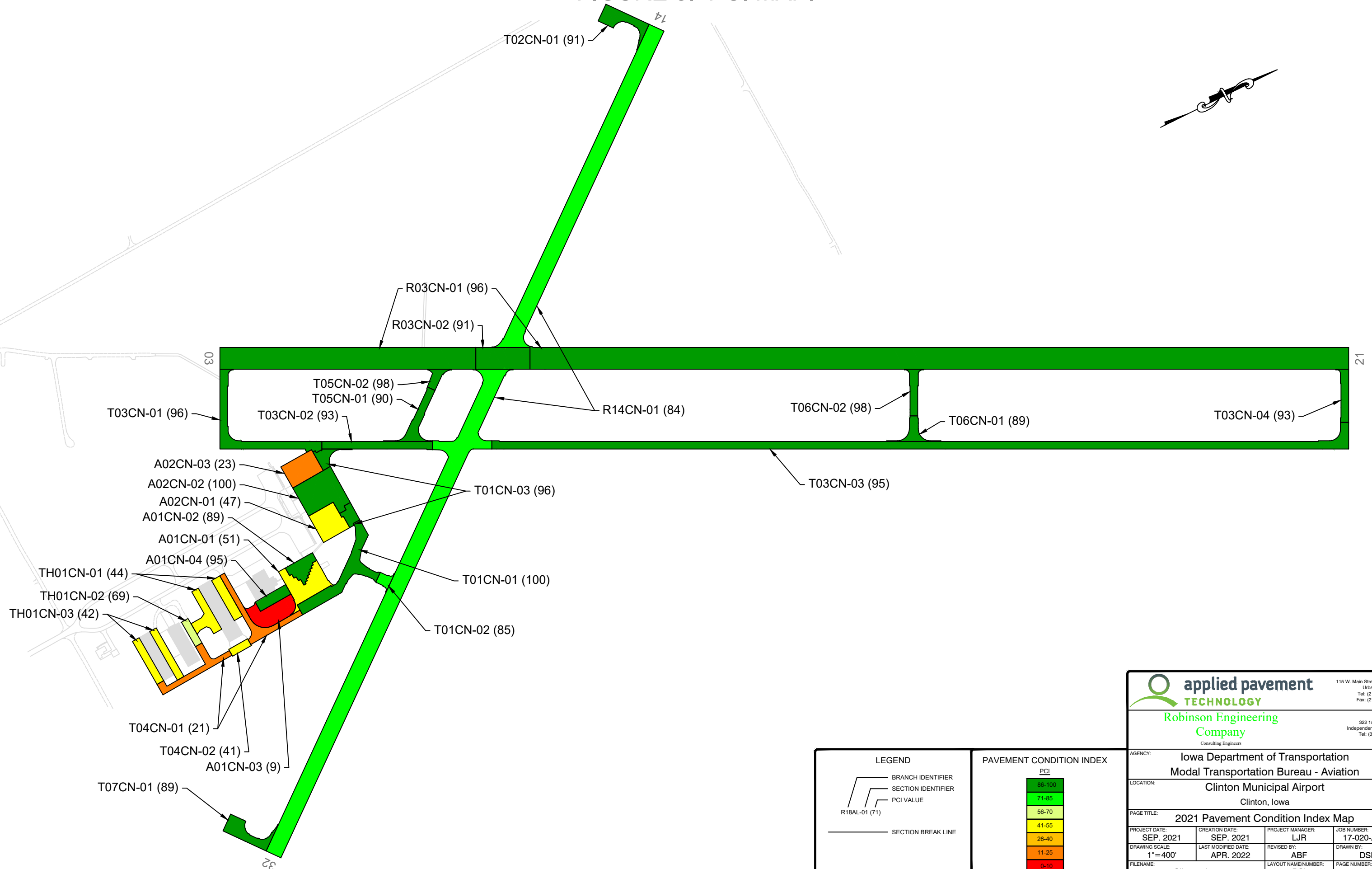


FIGURE 8. PCI MAP.



**LEGEND**

- BRANCH IDENTIFIER
- SECTION IDENTIFIER
- PCI VALUE
- SECTION BREAK LINE

**PAVEMENT CONDITION INDEX**

PCI
86-100
71-85
56-70
41-55
26-40
11-25
0-10

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AGENCY: Iowa Department of Transportation  
 Modal Transportation Bureau - Aviation

LOCATION: Clinton Municipal Airport  
 Clinton, Iowa

PAGE TITLE: 2021 Pavement Condition Index Map

PROJECT DATE: SEP. 2021	CREATION DATE: SEP. 2021	PROJECT MANAGER: LJR	JOB NUMBER: 17-020-AM05
DRAWING SCALE: 1" = 400'	LAST MODIFIED DATE: APR. 2022	REVISED BY: ABF	DRAWN BY: DSP
FILENAME: Clinton.dwg		LAYOUT NAME/NUMBER: PCI	PAGE NUMBER: 9

Table 1. 2021 pavement evaluation results.

Branch	Section	Surface Type	Section Area (sf)	LCD	2021 PCI	% Distress Due to Load	% Distress Due to Climate/Durability	% Distress Due to Other	Type of Distress
A01CN	01	PCC	22,346	6/1/1984	51	25	18	57	ASR, Corner Break, Joint Seal Damage, LTD Cracking, Shattered Slab, Small Patch
A01CN	02	PCC	9,991	6/3/2014	89	40	60	0	Corner Break, Joint Seal Damage, LTD Cracking
A01CN	03	AC	18,992	1/1/1995	9	42	58	0	Alligator Cracking, Block Cracking, L&T Cracking, Patching, Raveling, Weathering
A01CN	04	PCC	8,100	4/1/2016	95	100	0	0	LTD Cracking
A02CN	01	PCC	18,725	6/1/1981	47	58	15	27	ASR, Corner Break, Corner Spalling, Joint Spalling, Joint Seal Damage, Large Patch, LTD Cracking, Shattered Slab
A02CN	02	PCC	33,191	5/2/2020	100	0	0	0	No Distresses
A02CN	03	PCC	18,060	6/1/1984	23	15	9	76	ASR, Joint Seal Damage, LTD Cracking
R03CN	01	PCC	494,870	4/2/2010	96	61	26	13	Corner Spalling, Joint Seal Damage, LTD Cracking, Scaling, Shattered Slab, Small Patch
R03CN	02	PCC	25,000	4/2/2010	91	11	75	14	Corner Spalling, Joint Seal Damage, LTD Cracking
R14CN	01	PCC	319,015	4/2/2010	84	23	56	21	Corner Break, Corner Spalling, Faulting, Joint Spalling, Joint Seal Damage, LTD Cracking, Small Patch
T01CN	01	PCC	30,107	3/31/2018	100	0	0	0	No Distresses
T01CN	02	PCC	3,450	4/2/2010	85	23	47	30	Corner Break, Corner Spalling, Joint Seal Damage, Small Patch
T01CN	03	PCC	11,010	7/31/2018	96	100	0	0	LTD Cracking

Table 1. 2021 pavement evaluation results (continued).

Branch	Section	Surface Type	Section Area (sf)	LCD	2021 PCI	% Distress Due to Load	% Distress Due to Climate/Durability	% Distress Due to Other	Type of Distress
T02CN	01	PCC	13,644	4/2/2010	91	0	75	25	Faulting, Joint Spalling, Joint Seal Damage
T03CN	01	PCC	30,263	8/3/2011	96	0	78	22	Corner Spalling, Faulting, Joint Seal Damage
T03CN	02	PCC	17,928	6/3/2003	93	0	69	31	Corner Spalling, Faulting, Joint Spalling, Joint Seal Damage, Small Patch
T03CN	03	PCC	142,497	6/3/2003	95	8	67	25	Faulting, Joint Spalling, Joint Seal Damage, LTD Cracking
T03CN	04	PCC	8,958	6/3/2011	93	76	24	0	Corner Break, Joint Seal Damage, LTD Cracking
T04CN	01	AAC	29,958	6/1/2002	21	33	67	0	Alligator Cracking, Block Cracking, L&T Cracking, Raveling, Weathering
T04CN	02	PCC	3,600	1/3/2002	41	84	16	0	Joint Seal Damage, LTD Cracking
T05CN	01	PCC	12,269	6/1/2003	90	31	63	6	Corner Break, Joint Spalling, Joint Seal Damage, LTD Cracking
T05CN	02	PCC	4,708	6/2/2011	98	0	100	0	Joint Seal Damage
T06CN	01	PCC	6,747	6/3/2003	89	21	17	62	ASR, Corner Break, Faulting, Joint Spalling, Joint Seal Damage, LTD Cracking
T06CN	02	PCC	8,296	6/3/2011	98	0	83	17	Joint Spalling, Joint Seal Damage
T07CN	01	PCC	13,646	4/2/2010	89	0	56	44	Faulting, Joint Seal Damage
TH01CN	01	PCC	21,168	1/3/2002	44	74	21	5	Corner Break, Joint Seal Damage, LTD Cracking, Scaling, Shattered Slab
TH01CN	02	PCC	4,550	1/1/2004	69	82	18	0	Corner Break, Joint Seal Damage, LTD Cracking, Shattered Slab
TH01CN	03	AAC	17,012	1/1/2005	42	44	56	0	Alligator Cracking, L&T Cracking, Raveling, Weathering

Table 1. 2021 pavement evaluation results (continued).

## Table Notes:

1. See Figure 3 for the location of the branch and section.
2. Surface Type: AC = asphalt cement concrete; AAC = asphalt overlay on AC; PCC = portland cement concrete; APC = asphalt overlay on PCC.
3. LCD = last construction date.
4. Distress due to load includes distress types that are attributed to a structural deficiency in the pavement, such as alligator cracking or rutting on asphalt-surfaced pavements or shattered slabs on PCC pavements.
5. Distress due to climate or durability includes distress types that are attributed to either the aging of the pavement and the effects of the environment (such as weathering, raveling, or block cracking on asphalt-surfaced pavements) or to a materials-related problem (such as durability cracking or alkali-silica reaction [ASR] on PCC pavements). If materials-related distresses were recorded during the inspection, further laboratory testing is required to definitively determine the type present.
6. Distress due to other refers to distress types that are not attributed to one factor but rather may be caused by a combination of factors.
7. Distress types are defined by ASTM D5340-20. L&T Cracking = Longitudinal and Transverse Cracking; LTD Cracking = Longitudinal, Transverse, and Diagonal Cracking; ASR = Alkali-Silica Reaction.

## Inspection Comments

Clinton Municipal Airport was inspected on November 17-18, 2021. There were twenty-eight pavement sections defined during the inspection. Suspected alkali-silica reaction (ASR) was recorded at this airport in accordance with ASTM D5340-20. It should be noted that laboratory testing in the form of petrographic analysis is the only definitive way to validate the presence of ASR; however, the formation of a precipitate is evidence of a reaction consistent with this type of materials-related distress.

### *Runways*

Runway 03/21 consisted of two sections. Areas of medium-severity longitudinal, transverse, and diagonal (LTD) cracking and low-severity corner spalling, joint seal damage, and shattered slab were observed in Section 01. An atypical area of low-severity scaling and small patching was identified and recorded as an additional sample unit, according to ASTM D5340-20. Section 02 contained low- and medium-severity corner spalling, medium-severity joint seal damage, and low-severity LTD cracking.

Runway 14/32 was defined by one section. Section 01 had areas of medium-severity corner break and joint spalling, low- and medium-severity corner spalling and LTD cracking, low-severity faulting and small patching, and all severities of joint seal damage observed during the inspection.

### *Taxiways*

Taxiway 01 connected Runway 14/32 to the apron areas and consisted of three sections. Section 01 was in excellent condition with no distress noted at the time of inspection. Areas of low-severity corner break and corner spalling and medium-severity joint seal damage and small patching were observed in Section 02. Section 03 was in excellent condition with only medium-severity LTD cracking recorded.

Taxiway 02, the turnaround located at the Runway 14 approach, contained one section. Low-severity faulting, low- and medium-severity joint seal damage, and medium-severity joint spalling were identified in Section 01.

Taxiway 03, the parallel taxiway for Runway 03/21, was defined by four sections. Section 01 contained low-severity faulting and low- and medium-severity joint seal damage and corner spalling. Low-severity corner spalling, faulting, and joint spalling; low- and medium-severity joint seal damage; and medium-severity small patching were recorded in Section 02. Section 03 had areas of low-severity faulting, low- and medium-severity joint seal damage, and medium-severity joint spalling noted. An area of low-severity LTD cracking was identified and recorded as an additional sample unit, according to ASTM D5340-20. Areas of medium-severity corner break, low-severity joint seal damage, and low- and medium-severity LTD cracking were observed in Section 04.

Taxiway 04 connected the T-Hangar area to Apron 01 and consisted of two sections. Section 01 was in poor condition with medium-severity alligator cracking and block cracking, low- and medium-severity longitudinal and transverse (L&T) cracking and weathering, and medium- and high-severity raveling recorded throughout. The low-severity cracking was unsealed, while the medium-severity cracking was noted where either crack sealant was unsatisfactory or unsealed crack widths exceeded  $\frac{1}{4}$  in. Section 02 contained high-severity joint seal damage and low- and medium-severity LTD cracking.



Taxiway 05 connected Runway 03/21 to Taxiway 03 and was defined by two sections. Areas of low-severity corner break and joint spalling and medium-severity joint seal damage and LTD cracking were observed in Section 01. Section 02 was in excellent condition with only low-severity joint seal damage noted throughout.

Taxiway 06 connected Runway 03/21 to Taxiway 03 and consisted of two sections. Section 01 had areas of medium-severity joint spalling and low-severity ASR, corner break, faulting, joint seal damage, and LTD cracking. Section 02 was in excellent condition with low-severity joint seal damage and joint spalling identified during the inspection.

Taxiway 07, the turnaround located at the Runway 14 approach, contained one section. Low-severity faulting and medium-severity joint seal damage were recorded in Section 01.

### *Aprons*

Apron 01 consisted of four sections. Section 01 contained all severities of ASR; low- and medium-severity corner break; medium- and high-severity joint seal damage; and medium-severity LTD cracking, shattered slab, and small patching. Section 02 had areas of low-severity corner break, medium-severity joint seal damage, and low-severity LTD cracking. Section 03 was in poor condition with medium-severity alligator cracking, block cracking, and L&T cracking; low-severity patching; high-severity raveling; and low- and medium-severity weathering noted throughout. The medium-severity cracking was recorded where unsealed crack widths were greater than  $\frac{1}{4}$  in. Low-severity LTD cracking was observed in Section 04.

Apron 02 was defined by three sections. All severities of ASR; medium-severity corner break, corner spalling, joint spalling, and LTD cracking; high-severity joint seal damage; low-severity large patching; and low- and medium-severity shattered slab were recorded in Section 01. Section 02 was in excellent condition with no distress noted at the time of inspection. Section 03 was in poor condition with all severities of ASR, high-severity joint seal damage, and medium-severity LTD cracking observed at the time of inspection.

### *T-Hangar*

The T-hangar area was divided into three sections. Section 01 contained medium-severity corner break, medium- and high-severity joint seal damage, low- and medium-severity LTD cracking and shattered slab, and high-severity scaling. Medium-severity joint seal damage and low-severity corner break, LTD cracking, and shattered slab were observed in Section 02. Section 03 had areas of all severities of alligator cracking and L&T cracking, medium- and high-severity raveling, and medium-severity weathering.

## PAVEMENT MAINTENANCE AND REHABILITATION PROGRAM

Using the information collected during the pavement inspection, the PAVER pavement management software was used to develop a 5-year M&R program for Clinton Municipal Airport. In addition, a 1-year plan for localized preventive maintenance (such as crack sealing and patching) was prepared.

### Analysis Parameters

#### *Critical PCIs*

PAVER uses critical PCIs to determine whether localized preventive maintenance or major rehabilitation is the appropriate repair action. Above the critical PCI, localized preventive maintenance activities are recommended. Below the critical PCI, major rehabilitation actions, such as an overlay or reconstruction, are recommended. The Iowa DOT set the critical PCIs at 65 for runways, 60 for taxiways, and 55 for aprons and T-hangars.

#### *Localized Preventive Maintenance Policies and Unit Costs*

Localized preventive maintenance policies were developed for asphalt-surfaced and PCC pavements. These policies, shown in Appendix E, identify the localized preventive maintenance actions that the Iowa DOT considered appropriate to correct for the different distress types and severities. The Iowa DOT provided unit costs for each of the localized preventive maintenance actions included in these policies, and these costs are detailed in Appendix E. Please note that this information is of a general nature for the entire state. The localized preventive maintenance policies and unit costs may require adjustment to reflect specific conditions at Clinton Municipal Airport.

#### *Major Rehabilitation Unit Costs*

PAVER estimates the cost of major rehabilitation based on the predicted PCI of the pavement section. The Iowa DOT provided the costs for major rehabilitation, and they are presented in Appendix E. If major rehabilitation is recommended in the 5-year program, further engineering investigation will be needed to identify the most appropriate rehabilitation action and to estimate the cost of such work more accurately.

#### *Budget and Inflation Rate*

An unlimited budget with a start date of July 1, 2022 and an inflation rate of 4.0 percent was used during the analysis.

### Analysis Approach

The 5-year M&R program was prepared with the goal of maintaining the pavements above established critical PCIs. During this analysis, major rehabilitation was recommended for pavements in the year they dropped below their critical PCI. For the first year (2022) of the analysis only, a localized preventive maintenance plan was developed for those pavement sections that were above their critical PCI. If major rehabilitation was triggered for a section in 2023 or 2024, then localized preventive maintenance was not recommended for 2022. While localized preventive maintenance should be an annual undertaking at Clinton Municipal Airport, it is not possible to accurately predict the propagation of cracking and other distress types. Therefore, the airport should budget for maintenance every year and can use the 2022 localized

preventive maintenance plan as a baseline for that work. As the pavements age, it can be assumed that the amount of localized preventive maintenance required will increase.

## Analysis Results

A summary of the M&R program for Clinton Municipal Airport is presented in Table 2. Detailed information on the recommended localized preventive maintenance plan for 2022 is provided in Appendix F.

Table 2. 5-year M&R program under an unlimited funding analysis scenario.

Year	Branch	Section	Surface Type	Type of Repair	Estimated Cost
2022	A01CN	01	PCC	Major Rehabilitation	\$183,727
2022	A01CN	02	PCC	Preventive Maintenance	\$5,049
2022	A01CN	03	AC	Major Rehabilitation	\$197,791
2022	A02CN	01	PCC	Major Rehabilitation	\$216,562
2022	A02CN	03	PCC	Major Rehabilitation	\$313,922
2022	R03CN	01	PCC	Preventive Maintenance	\$1,856
2022	R03CN	02	PCC	Preventive Maintenance	\$11,185
2022	R14CN	01	PCC	Preventive Maintenance	\$118,831
2022	T01CN	02	PCC	Preventive Maintenance	\$1,436
2022	T01CN	03	PCC	Preventive Maintenance	\$85
2022	T02CN	01	PCC	Preventive Maintenance	\$6,983
2022	T03CN	01	PCC	Preventive Maintenance	\$2,733
2022	T03CN	02	PCC	Preventive Maintenance	\$3,461
2022	T03CN	03	PCC	Preventive Maintenance	\$8,811
2022	T03CN	04	PCC	Preventive Maintenance	\$692
2022	T04CN	01	AAC	Major Rehabilitation	\$311,996
2022	T04CN	02	PCC	Major Rehabilitation	\$60,729
2022	T05CN	01	PCC	Preventive Maintenance	\$6,977
2022	T06CN	01	PCC	Preventive Maintenance	\$271
2022	T07CN	01	PCC	Preventive Maintenance	\$7,613
2022	TH01CN	01	PCC	Major Rehabilitation	\$313,652
2022	TH01CN	02	PCC	Major Rehabilitation	\$37,410
2022	TH01CN	03	AAC	Major Rehabilitation	\$171,762

**Total Estimated Cost: \$1,984,000**

### Table Notes:

1. See Figure 3 for the location of the branch and section.
2. Surface Type: AC = asphalt cement concrete; AAC = asphalt overlay on AC; PCC = portland cement concrete; APC = asphalt overlay on PCC.
3. Type of Repair: Major Rehabilitation such as pavement reconstruction or an overlay; Localized Preventive Maintenance such as crack sealing or patching.
4. The estimated costs provided are of a general nature for the entire state and may require adjustment to reflect specific conditions at Clinton Municipal Airport.

The recommendations made in this report are based on a broad network-level analysis and meant to provide Clinton Municipal Airport with an indication of the type of pavement-related work required during the next 5 years. Further engineering investigation may be necessary to identify which repair action is most appropriate. In addition, the cost estimates provided are based on overall unit costs for the entire state, and Clinton Municipal Airport should adjust the plan to reflect local costs.

Because an unlimited budget was used in the analysis, it is possible that the pavement repair program may need to be adjusted to consider economic or operational constraints. The identification of a project need does not necessarily mean that state or federal funding will be available in the year it is indicated. It is important to remember that regardless of the recommendations presented within this report, Clinton Municipal Airport is responsible for repairing pavements where existing conditions pose a hazard to safe operations.

### **General Maintenance Recommendations**

In addition to the specific maintenance actions presented in Appendix F, it is recommended that the following strategies be considered for prolonging pavement life:

1. Regularly inspect all safety areas of the airport and document all inspection activity. A sample form that can be used to perform these inspections is provided in Table 3 of this report.
2. Provide a method of tracking all maintenance activities that occur as a result of inspections. These need to be reported to the FAA and the Iowa DOT. This information is used to update the APMS records and is required to remain in compliance with Public Law 103-305 (see the next section of this report for further information on this law).
3. Conduct an aggressive campaign against weed growth through timely herbicide applications and mowing programs of the safety areas. Vegetation growth in pavement cracks is destructive and significantly increases the rate of pavement deterioration.
4. Implement a periodic crack and joint sealing program. Keeping water and debris out of the pavement system by sealing cracks and joints is a proven and cost-effective method of extending the life of the pavement system.
5. Ensure that dirt does not build up along the edges of the pavements. This can create a “bathtub” effect, reducing the ability of water to drain away from the pavement system.
6. Closely monitor the movement of heavy equipment (particularly farming, construction, and fueling equipment) to make sure it is only operating on pavements that are designed to accommodate heavy loads. Failure to restrict heavy equipment to appropriate areas may result in the premature failure of airport pavements.

### **FAA Requirements (Public Law 103-305)**

Because Clinton Municipal Airport is in the National Plan of Integrated Airport Systems (NPIAS), the airport sponsor is required to keep the airport in a viable operating condition. This includes maintaining airport pavements in accordance with Public Law 103-305. Public Law 103-305 states that after January 1, 1995, NPIAS airport sponsors must provide assurances or certifications that an airport has implemented an effective airport pavement maintenance management system (PMMS) before the airport will be considered for federal funding of pavement replacement or reconstruction projects. To be in full compliance with the federal law,

the PMMS must include the following components at minimum: pavement inventory, pavement inspections, record keeping, information retrieval, and program funding.

This report serves as a complete pavement inventory and detailed inspection. To remain in compliance with the law, Clinton Municipal Airport will also need to undertake monthly drive-by inspections of pavement conditions and track pavement-related maintenance activities.

FAA Advisory Circular 150/5380-7B provides detailed guidance pertaining to the requirements for an acceptable pavement management program (PMP). Appendix A of the FAA Advisory Circular 150/5380-7B outlines what needs to be included in a PMP to remain in compliance with this law and Grant Assurance #11. The following is a copy of this Appendix, along with instructions for supplementing this report so that all requirements are met. Note that the italicized words are direct quotations from the FAA Advisory Circular.

***FAA Advisory Circular 150/5830-7B, Appendix A. Pavement Management Program (PMP)***

***A-1.0.*** *An effective PMP specifies the procedures to follow to assure that proper preventative and remedial pavement maintenance is performed. The program should identify funding or anticipated funding and other resources available to provide remedial and preventive maintenance activities. An airport sponsor may use any format deemed appropriate, but the program needs to, as a minimum, include the following:*

***A-1.1. Pavement Inventory.*** *The following must be depicted:*

- a. *Identification of all runways, taxiways, and aprons with pavement broken down into sections each having similar properties.*

The network definition map provided in Figure 3 of this report shows the location of all runways, taxiways, aprons, and T-hangars at Clinton Municipal Airport. If any new pavements are constructed or any pavement areas are permanently closed, this map must be updated. Project plans should be submitted to the Iowa DOT after project completion.

- b. *Dimensions of pavement sections.*

The dimensions of all runways, taxiways, aprons, and T-hangars are stored in the PAVER database. Appendix C provides information on length, width, and area. In addition, the network definition map (Figure 3) is drawn to scale. Any changes to pavement dimensions must be recorded.

- c. *Type of pavement surface.*

The type of pavement for each section at Clinton Municipal Airport is listed in Table 1 of this report and is also stored in the PAVER database. Any changes to pavement type (through an overlay or reconstruction) must be recorded.

- d. *Year of construction and/or most recent major rehabilitation.*

Dates for pavement construction, rehabilitation, or reconstruction must be recorded. The current pavement history for Clinton Municipal Airport is provided in Appendix D of this report.

- e. *Whether AIP [Airport Improvement Program] or PFC [Passenger Facility Charge] funds were used to construct, reconstruct, or repair the pavement.*

Funding sources for all pavement projects should be recorded.

**A-1.2. PMP Pavement Inspection Schedule.** *Airports must perform a detailed inspection of airfield pavements at least once a year for the PMP. If a pavement condition index (PCI) survey is performed, as set forth in ASTM D5340, Standard Test Method for Airport Pavement Condition Index Surveys, the frequency of the detailed inspection by PCI surveys may be extended to three years. Less comprehensive routine daily, weekly, and monthly maintenance inspections required for operations should be addressed.*

This report consists of a detailed inspection that will extend the inspection period to 3 years. It is the airport sponsor's responsibility to perform monthly drive-by inspections. A sample pavement inspection report form is provided in Table 3 of this report.

**A-1.3. Record Keeping.** *The airport must record and keep on file complete information about all detailed inspections and maintenance performed until the pavement system is replaced. The types of distress, their locations, and remedial action, scheduled or performed, must be documented. The minimum information recorded includes:*

- a. *Inspection date*
- b. *Location*
- c. *Distress types*
- d. *Maintenance scheduled or performed*

Items a through c are satisfied by this inspection report. Item d is the responsibility of the airport, as is record keeping of the monthly drive-by inspections.

**A-1.4. Information Retrieval.** *An airport sponsor may use any form of record keeping it deems appropriate so long as the information and records from the pavement survey can generate required reports, as necessary.*

Keep this report, monthly drive-by inspection reports, construction updates, and all records of maintenance activities in a readily accessible location so that they can be easily retrieved as requested by the FAA.

Table 3. Pavement inspection report.

Inspected By: \_\_\_\_\_

Date Inspected: \_\_\_\_\_

<b>Branch</b>	<b>Section</b>	<b>Distress Description/Dimensions/Severity/ Recommended Action</b>	<b>Description of Repair</b>	<b>Date Performed</b>	<b>Cost</b>	<b>Funding Source</b>
A01CN	01					
A01CN	02					
A01CN	03					
A01CN	04					
A02CN	01					
A02CN	02					



Table 3. Pavement inspection report (continued).

Inspected By: \_\_\_\_\_

Date Inspected: \_\_\_\_\_

<b>Branch</b>	<b>Section</b>	<b>Distress Description/Dimensions/Severity/ Recommended Action</b>	<b>Description of Repair</b>	<b>Date Performed</b>	<b>Cost</b>	<b>Funding Source</b>
A02CN	03					
R03CN	01					
R03CN	02					
R14CN	01					
T01CN	01					
T01CN	02					

Table 3. Pavement inspection report (continued).

Inspected By: \_\_\_\_\_

Date Inspected: \_\_\_\_\_

<b>Branch</b>	<b>Section</b>	<b>Distress Description/Dimensions/Severity/ Recommended Action</b>	<b>Description of Repair</b>	<b>Date Performed</b>	<b>Cost</b>	<b>Funding Source</b>
T01CN	03					
T02CN	01					
T03CN	01					
T03CN	02					
T03CN	03					
T03CN	04					

Table 3. Pavement inspection report (continued).

Inspected By: \_\_\_\_\_

Date Inspected: \_\_\_\_\_

<b>Branch</b>	<b>Section</b>	<b>Distress Description/Dimensions/Severity/ Recommended Action</b>	<b>Description of Repair</b>	<b>Date Performed</b>	<b>Cost</b>	<b>Funding Source</b>
T04CN	01					
T04CN	02					
T05CN	01					
T05CN	02					
T06CN	01					
T06CN	02					

Table 3. Pavement inspection report (continued).

Inspected By: \_\_\_\_\_

Date Inspected: \_\_\_\_\_

<b>Branch</b>	<b>Section</b>	<b>Distress Description/Dimensions/Severity/ Recommended Action</b>	<b>Description of Repair</b>	<b>Date Performed</b>	<b>Cost</b>	<b>Funding Source</b>
T07CN	01					
TH01CN	01					
TH01CN	02					
TH01CN	03					

## Table Notes:

1. See Figure 3 for the location of the branch and section.

## **SUMMARY**

This report documents the results of the pavement evaluation conducted at Clinton Municipal Airport. A visual inspection of the pavements in 2021 found that the overall condition of the pavement network is a PCI of 86. A 5-year pavement repair program, shown in Table 2, was generated for Clinton Municipal Airport, which revealed that approximately \$1,984,000 needs to be expended on M&R. Clinton Municipal Airport should utilize these study results to assist in planning for future maintenance needs as part of the airport CIP planning process.

## **APPENDIX A**

### **CAUSE OF DISTRESS TABLES**

Table A-1. Cause of pavement distress, asphalt-surfaced pavements.

<b>Distress Type</b>	<b>Probable Cause of Distress</b>
Alligator Cracking	Fatigue failure of the asphalt surface under repeated traffic loading.
Bleeding	Excessive amounts of asphalt cement or tars in the mix or low air void content, or both.
Block Cracking	Shrinkage of the asphalt and daily temperature cycling; it is not load associated.
Corrugation	Traffic action combined with an unstable pavement layer.
Depression	Settlement of the foundation soil or can be “built up” during construction.
Jet-Blast Erosion	Bituminous binder has been burned or carbonized.
Joint Reflection Cracking	Movement of the concrete slab beneath the asphalt surface due to thermal and moisture changes.
L&T Cracking	Cracks may be caused by (1) a poorly constructed paving lane joint, (2) shrinkage of the asphalt surface due to low temperatures or hardening of the asphalt, or (3) reflective cracking caused by cracks in an underlying PCC slab.
Oil Spillage	Deterioration or softening of the pavement surface caused by the spilling of oil, fuel, or other solvents.
Patching	N/A
Polished Aggregate	Repeated traffic applications.
Raveling	Asphalt binder may have hardened significantly, causing coarse aggregate pieces to dislodge.
Rutting	Usually caused by consolidation or lateral movement of the materials due to traffic loads.
Shoving	Where PCC pavements adjoin flexible pavements, PCC “growth” may shove the asphalt pavement.
Slippage Cracking	Low strength surface mix or poor bond between the surface and the next layer of the pavement structure.
Swelling	Usually caused by frost action or by swelling soil.
Weathering	Asphalt binder and/or fine aggregate may wear away as the pavement ages and hardens.



Table A-2. Cause of pavement distress, PCC pavements.

<b>Distress Type</b>	<b>Probable Cause of Distress</b>
ASR	Chemical reaction of alkalis in the portland cement with certain reactive silica minerals. ASR may be accelerated by the use of chemical pavement deicers.
Blowup	Incompressible materials in the joints.
Corner Break	Load repetition combined with loss of support and curling stresses.
Durability Cracking	Concrete's inability to withstand environmental factors such as freeze-thaw cycles.
Faulting	Upheaval or consolidation.
Joint Seal Damage	Stripping of joint sealant, extrusion of joint sealant, weed growth, hardening of the filler (oxidation), loss of bond to the slab edges, or absence of sealant in the joint.
LTD Cracking	Combination of load repetition, curling stresses, and shrinkage stresses.
Patching (Small and Large)	N/A
Popouts	Freeze-thaw action in combination with expansive aggregates.
Pumping	Poor drainage, poor joint sealant.
Scaling	Over finishing of concrete, deicing salts, improper construction, freeze-thaw cycles, and poor aggregate.
Shattered Slab	Load repetition.
Shrinkage Cracking	Setting and curing of the concrete.
Spalling (Joint and Corner)	Excessive stresses at the joint caused by infiltration of incompressible materials or traffic loads; weak concrete at the joint combined with traffic loads.

## **APPENDIX B**

### **INSPECTION PHOTOGRAPHS**

A01CN-01. Overview.



A01CN-01. ASR (Sample Unit No. 06).





A01CN-01. LTD Cracking (Sample Unit No. 05).



A01CN-02. Overview.



A01CN-02. LTD Cracking (Sample Unit No. 01).



A01CN-03. Overview.





A01CN-03. Alligator Cracking (Sample Unit No. 03).



A01CN-03. Raveling (Sample Unit No. 03).





A01CN-04. Overview.



A01CN-04. LTD Cracking (Sample Unit No. 03).



A02CN-01. Overview.



A02CN-01. ASR (Sample Unit No. 05).





A02CN-01. ASR (Sample Unit No. 06).



A02CN-01. Corner Break (Sample Unit No. 06).





A02CN-01. LTD Cracking (Sample Unit No. 06).



A02CN-02. Overview.



A02CN-03. Overview.



A02CN-03. ASR (Sample Unit No. 04).





A02CN-03. ASR (Sample Unit No. 05).



R03CN-01. Overview.





R03CN-01. LTD Cracking (Sample Unit No. 44).



R03CN-01. Scaling (Additional Sample Unit No. 110).



R03CN-02. Overview.



R03CN-02. LTD Cracking (Sample Unit No. 07).





R14CN-01. Overview.



R14CN-01. Faulting (Sample Unit No. 88).





R14CN-01. LTD Cracking (Sample Unit No. 88).



T01CN-02. Overview.

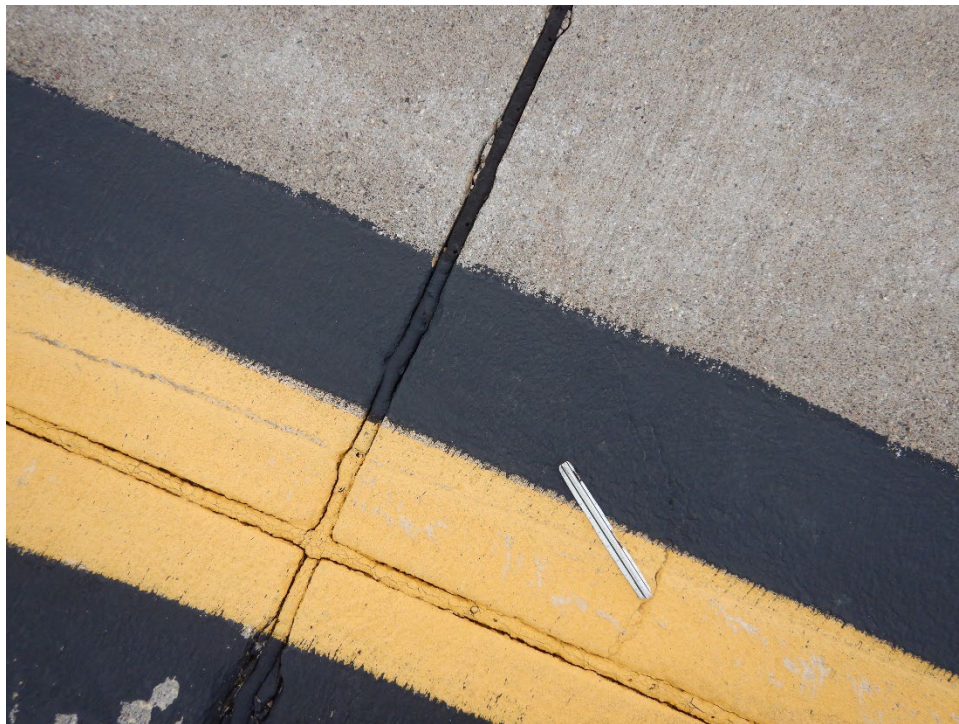




T01CN-02. Corner Break (Sample Unit No. 01).



T01CN-02. Corner Spalling (Sample Unit No. 01).





T01CN-03. Overview.



T01CN-03. LTD Cracking (Sample Unit No. 05).





T02CN-01. Overview.



T02CN-01. Joint Seal Damage (Sample Unit No. 01).





T03CN-01. Overview.



T03CN-02. Overview.





T03CN-02. Corner Spalling (Sample Unit No. 01).



T03CN-02. Small Patching (Sample Unit No. 01).





T03CN-03. Overview.



T03CN-03. LTD Cracking (Additional Sample Unit No. 42).





T03CN-04. Overview.



T03CN-04. Corner Break (Sample Unit No. 05).





T04CN-01. Overview.



T04CN-01. Alligator Cracking (Sample Unit No. 05).





T04CN-01. L&T Cracking (Sample Unit No. 05).



T04CN-02. Overview.





T04CN-02. LTD Cracking (Sample Unit No. 01).



T05CN-01. Overview.



T05CN-01. LTD Cracking (Sample Unit No. 06).



T05CN-02. Overview.





T06CN-01. Overview.



T06CN-01. Joint Spalling (Sample Unit No. 04).



T06CN-02. Overview.



T07CN-01. Overview.





T07CN-01. Faulting (Sample Unit No. 04).



TH01CN-01. Overview.





TH01CN-01. LTD Cracking (Sample Unit No. 07).



TH01CN-02. Overview.





TH01CN-02. Shattered Slab (Sample Unit No. 01).



TH01CN-03. Overview.





TH01CN-03. L&T Cracking (Sample Unit No. 02).



TH01CN-03. Raveling (Sample Unit No. 02).



**APPENDIX C**

**INSPECTION REPORT**

# RE-INSPECTION REPORT CLINTON MUNICIPAL AIRPORT

Pavement Database: IA 2021

Generate Date: 4/27/2022

Network ID: CWI

Page 1

## Branch - Section ID: A01CN - 01

Branch Name: APRON 01

Use: APRON

LCD: 6/1/1984  
 Surface Type: PCC  
 Rank: P  
 Section Area (sf): 22,346.00  
 Length (ft): 200.00  
 Width (ft): 180.00  
 From: T04CL  
 To: END OF APRON  
 Slabs: 186  
 Slab Length (ft): 12.00  
 Slab Width (ft): 10.00  
 Joint Length (ft): 3,860.89  
 Last Insp Date: 11/18/2021  
 PCI: 51  
 Total Samples: 10  
 Surveyed: 5

PCI Family: IowaPCCAPNCE\_Enhanced

Section Comments:

Inspection Comments:

### Sample Number: 01

Sample Type: R  
 Sample PCI: 10  
 Sample Area (Slabs): 20

Sample Comments:

62 CORNER BREAK	M	1 Slabs
63 LINEAR CR	M	3 Slabs
65 JT SEAL DMG	H	20 Slabs
72 SHAT. SLAB	M	1 Slabs
76 ASR	H	4 Slabs
76 ASR	L	7 Slabs
76 ASR	M	8 Slabs

### Sample Number: 05

Sample Type: R  
 Sample PCI: 52  
 Sample Area (Slabs): 23

Sample Comments:

62 CORNER BREAK	L	2 Slabs
63 LINEAR CR	M	2 Slabs
65 JT SEAL DMG	M	23 Slabs
76 ASR	L	10 Slabs
76 ASR	M	2 Slabs

### Sample Number: 06

Sample Type: R  
 Sample PCI: 44  
 Sample Area (Slabs): 20

Sample Comments:

62 CORNER BREAK	L	1 Slabs
63 LINEAR CR	M	3 Slabs
65 JT SEAL DMG	M	20 Slabs
76 ASR	L	10 Slabs
76 ASR	M	2 Slabs



# RE-INSPECTION REPORT CLINTON MUNICIPAL AIRPORT

Pavement Database: IA 2021

Generate Date: 4/27/2022

Network ID: CWI

Page 2

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## Sample Number: 07

Sample Type: R

Sample Comments:

Sample PCI: 87

Sample Area (Slabs): 20

65 JT SEAL DMG

M

20 Slabs

76 ASR

L

2 Slabs

---

## Sample Number: 08

Sample Type: R

Sample Comments:

Sample PCI: 62

Sample Area (Slabs): 20

62 CORNER BREAK

M

1 Slabs

66 SMALL PATCH

M

1 Slabs

76 ASR

L

6 Slabs

76 ASR

M

2 Slabs

# RE-INSPECTION REPORT CLINTON MUNICIPAL AIRPORT

Pavement Database: IA 2021

Generate Date: 4/27/2022

Network ID: CWI

Page 3

## Branch - Section ID: A01CN - 02

Branch Name: APRON 01

Use: APRON

LCD: 6/3/2014

PCI Family: IowaPCCAPNCE\_Enhanced

Surface Type: PCC

Rank: P

Section Area (sf): 9,991.00

Length (ft): 100.00

Width (ft): 140.00

From: A01CN-01

To: Hanger

Slabs: 83

Section Comments:

Slab Length (ft): 10.00

Slab Width (ft): 12.00

Joint Length (ft): 1,660.41

Last Insp Date: 11/18/2021

Inspection Comments:

PCI: 89

Total Samples: 4

Surveyed: 3

### Sample Number: 01

Sample Type: R

Sample Comments:

Sample PCI: 84

Sample Area (Slabs): 19

62 CORNER BREAK

L

1 Slabs

63 LINEAR CR

L

1 Slabs

65 JT SEAL DMG

M

19 Slabs

### Sample Number: 02

Sample Type: R

Sample Comments:

Sample PCI: 93

Sample Area (Slabs): 24

65 JT SEAL DMG

M

24 Slabs

### Sample Number: 04

Sample Type: R

Sample Comments:

Sample PCI: 88

Sample Area (Slabs): 17

63 LINEAR CR

L

1 Slabs

65 JT SEAL DMG

M

17 Slabs

# RE-INSPECTION REPORT CLINTON MUNICIPAL AIRPORT

Pavement Database: IA 2021

Generate Date: 4/27/2022

Network ID: CWI

Page 4

## Branch - Section ID: A01CN - 03

Branch Name: APRON 01

Use: APRON

LCD: 1/1/1995  
 Surface Type: AC  
 Rank: P  
 Section Area (sf): 18,992.00  
 Length (ft): 218.00  
 Width (ft): 85.00  
 From: SEE MAP  
 To: SEE MAP

PCI Family: IowaACAPNE&NCE

Slabs:  
 Slab Length (ft):  
 Slab Width (ft):  
 Joint Length (ft):

Section Comments:

Last Insp Date: 11/18/2021  
 PCI: 9  
 Total Samples: 4  
 Surveyed: 3

Inspection Comments:

### Sample Number: 01

Sample Type: R  
 Sample PCI: 9  
 Sample Area (SF): 6,535

Sample Comments:

41 ALLIGATOR CR	M	4,610 SF	
48 L & T CR	M	245 Ft	W
52 RAVELING	H	500 SF	
57 WEATHERING	L	3,555 SF	
57 WEATHERING	M	500 SF	

### Sample Number: 03

Sample Type: R  
 Sample PCI: 5  
 Sample Area (SF): 4,700

Sample Comments:

41 ALLIGATOR CR	M	2,700 SF	
43 BLOCK CR	M	2,000 SF	w
52 RAVELING	H	500 SF	
57 WEATHERING	L	2,350 SF	
57 WEATHERING	M	500 SF	

### Sample Number: 04

Sample Type: R  
 Sample PCI: 12  
 Sample Area (SF): 3,485

Sample Comments:

41 ALLIGATOR CR	M	1,750 SF	
48 L & T CR	M	312 Ft	w
50 PATCHING	L	172 SF	
57 WEATHERING	L	1,750 SF	
57 WEATHERING	M	500 SF	



# RE-INSPECTION REPORT CLINTON MUNICIPAL AIRPORT

Pavement Database: IA 2021

Generate Date: 4/27/2022

Network ID: CWI

Page 5

## Branch - Section ID: A01CN - 04

Branch Name: APRON 01

Use: APRON

LCD: 4/1/2016

PCI Family: IowaPCCAPNCE\_Enhanced

Surface Type: PCC

Rank: P

Section Area (sf): 8,100.00

Length (ft): 162.00

Width (ft): 50.00

From: SEE MAP

To: SEE MAP

Slabs: 65

Section Comments:

Slab Length (ft): 12.50

Slab Width (ft): 10.00

Joint Length (ft): 1,246.00

Last Insp Date: 11/18/2021

Inspection Comments:

PCI: 95

Total Samples: 3

Surveyed: 3

### Sample Number: 01

Sample Type: R

Sample Comments:

Sample PCI: 100

Sample Area (Slabs): 20

NO DISTRESS

### Sample Number: 02

Sample Type: R

Sample Comments:

Sample PCI: 100

Sample Area (Slabs): 20

NO DISTRESS

### Sample Number: 03

Sample Type: R

Sample Comments:

Sample PCI: 88

Sample Area (Slabs): 25

63 LINEAR CR

L

4 Slabs

# RE-INSPECTION REPORT CLINTON MUNICIPAL AIRPORT

Pavement Database: IA 2021

Generate Date: 4/27/2022

Network ID: CWI

Page 6

## Branch - Section ID: A02CN - 01

Branch Name: APRON 02

Use: APRON

LCD: 6/1/1981  
 Surface Type: PCC  
 Rank: P  
 Section Area (sf): 18,725.00  
 Length (ft): 140.00  
 Width (ft): 130.00  
 From: TAXIWAY 01  
 To: END OF APRON  
 Slabs: 187  
 Slab Length (ft): 10.00  
 Slab Width (ft): 10.00  
 Joint Length (ft): 3,467.21  
 Last Insp Date: 11/18/2021  
 PCI: 47  
 Total Samples: 7  
 Surveyed: 5

PCI Family: IowaPCCAPNCE\_Enhanced

Section Comments:

Inspection Comments:

### Sample Number: 01

Sample Type: R  
 Sample PCI: 44  
 Sample Area (Slabs): 21

Sample Comments:

62 CORNER BREAK	M	2 Slabs
63 LINEAR CR	M	7 Slabs
65 JT SEAL DMG	H	21 Slabs
72 SHAT. SLAB	L	2 Slabs

### Sample Number: 04

Sample Type: R  
 Sample PCI: 53  
 Sample Area (Slabs): 28

Sample Comments:

63 LINEAR CR	M	5 Slabs
65 JT SEAL DMG	H	28 Slabs
72 SHAT. SLAB	L	1 Slabs
74 JOINT SPALL	M	1 Slabs
75 CORNER SPALL	M	1 Slabs
76 ASR	L	2 Slabs

### Sample Number: 05

Sample Type: R  
 Sample PCI: 30  
 Sample Area (Slabs): 28

Sample Comments:

63 LINEAR CR	M	6 Slabs
65 JT SEAL DMG	H	28 Slabs
67 LARGE PATCH	L	2 Slabs
72 SHAT. SLAB	M	1 Slabs
76 ASR	H	1 Slabs
76 ASR	M	4 Slabs

# RE-INSPECTION REPORT CLINTON MUNICIPAL AIRPORT

Pavement Database: IA 2021

Generate Date: 4/27/2022

Network ID: CWI

Page 7

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## Sample Number: 06

Sample Type: R

Sample Comments:

Sample PCI: 59

Sample Area (Slabs): 28

62 CORNER BREAK	M	1 Slabs
63 LINEAR CR	M	4 Slabs
65 JT SEAL DMG	H	28 Slabs
75 CORNER SPALL	M	1 Slabs
76 ASR	M	1 Slabs

---

## Sample Number: 07

Sample Type: R

Sample Comments:

Sample PCI: 52

Sample Area (Slabs): 20

62 CORNER BREAK	M	1 Slabs
63 LINEAR CR	M	7 Slabs
65 JT SEAL DMG	H	20 Slabs



# RE-INSPECTION REPORT CLINTON MUNICIPAL AIRPORT

Pavement Database: IA 2021

Generate Date: 4/27/2022

Network ID: CWI

Page 8

## Branch - Section ID: A02CN - 02

Branch Name: APRON 02

Use: APRON

LCD: 5/2/2020

PCI Family: IowaPCCAPNCE\_Enhanced

Surface Type: PCC

Rank: P

Section Area (sf): 33,191.00

Length (ft): 200.00

Width (ft): 150.00

From: T02

To: END OF APRON

Slabs: 379

Section Comments:

Slab Length (ft): 10.00

Slab Width (ft): 8.75

Joint Length (ft): 6,725.13

Last Insp Date: 11/18/2021

Inspection Comments:

PCI: 100

Total Samples: 17

Surveyed: 7

### Sample Number: 01

Sample Type: R

Sample Comments:

Sample PCI: 100

Sample Area (Slabs): 25

NO DISTRESS

### Sample Number: 03

Sample Type: R

Sample Comments:

Sample PCI: 100

Sample Area (Slabs): 25

NO DISTRESS

### Sample Number: 06

Sample Type: R

Sample Comments:

Sample PCI: 100

Sample Area (Slabs): 20

NO DISTRESS

### Sample Number: 08

Sample Type: R

Sample Comments:

Sample PCI: 100

Sample Area (Slabs): 18

NO DISTRESS

### Sample Number: 09

Sample Type: R

Sample Comments:

Sample PCI: 100

Sample Area (Slabs): 20

NO DISTRESS

### Sample Number: 13

Sample Type: R

Sample Comments:

Sample PCI: 100

Sample Area (Slabs): 20

NO DISTRESS

# RE-INSPECTION REPORT CLINTON MUNICIPAL AIRPORT

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## Sample Number: 17

Sample Type: R

Sample Comments:

Sample PCI: 100

Sample Area (Slabs): 20

NO DISTRESS

# RE-INSPECTION REPORT CLINTON MUNICIPAL AIRPORT

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## Branch - Section ID: A02CN - 03

Branch Name: APRON 02

Use: APRON

LCD: 6/1/1984  
 Surface Type: PCC  
 Rank: P  
 Section Area (sf): 18,060.00  
 Length (ft): 162.00  
 Width (ft): 112.00  
 From: A02CL02  
 To: T03CL  
 Slabs: 131  
 Slab Length (ft): 11.00  
 Slab Width (ft): 12.50  
 Joint Length (ft): 2,813.89  
 Last Insp Date: 11/18/2021  
 PCI: 23  
 Total Samples: 7  
 Surveyed: 4

PCI Family: IowaPCCAPNCE\_Enhanced

Section Comments:

Inspection Comments:

### Sample Number: 02

Sample Type: R  
 Sample PCI: 18  
 Sample Area (Slabs): 20

Sample Comments:

63 LINEAR CR	M	2 Slabs
65 JT SEAL DMG	H	20 Slabs
76 ASR	H	2 Slabs
76 ASR	L	8 Slabs
76 ASR	M	10 Slabs

### Sample Number: 04

Sample Type: R  
 Sample PCI: 3  
 Sample Area (Slabs): 20

Sample Comments:

63 LINEAR CR	M	6 Slabs
65 JT SEAL DMG	H	20 Slabs
76 ASR	H	6 Slabs
76 ASR	L	4 Slabs
76 ASR	M	10 Slabs

### Sample Number: 05

Sample Type: R  
 Sample PCI: 30  
 Sample Area (Slabs): 20

Sample Comments:

65 JT SEAL DMG	H	20 Slabs
76 ASR	H	5 Slabs
76 ASR	L	15 Slabs

### Sample Number: 06

Sample Type: R  
 Sample PCI: 40  
 Sample Area (Slabs): 20

Sample Comments:

63 LINEAR CR	M	1 Slabs
65 JT SEAL DMG	H	20 Slabs
76 ASR	L	12 Slabs
76 ASR	M	8 Slabs



# RE-INSPECTION REPORT CLINTON MUNICIPAL AIRPORT

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## Branch - Section ID: R03CN - 01

Branch Name: RUNWAY 03/21

Use: RUNWAY

LCD: 4/2/2010

PCI Family: IowaPCCRWNCE\_Enhanced

Surface Type: PCC

Rank: P

Section Area (sf): 494,870.00

Length (ft): 4,955.00

Width (ft): 100.00

From: 03 APPROACH

To: 21 APPROACH

Slabs: 3,167

Section Comments:

Slab Length (ft): 12.50

Slab Width (ft): 12.50

Joint Length (ft): 74,130.63

Last Insp Date: 11/17/2021

Inspection Comments:

PCI: 96

Total Samples: 158

Surveyed: 17

### Sample Number: 004

Sample Type: R

Sample Comments:

Sample PCI: 98

Sample Area (Slabs): 20

65 JT SEAL DMG

L

20 Slabs

### Sample Number: 013

Sample Type: R

Sample Comments:

Sample PCI: 98

Sample Area (Slabs): 20

65 JT SEAL DMG

L

20 Slabs

### Sample Number: 024

Sample Type: R

Sample Comments:

Sample PCI: 98

Sample Area (Slabs): 20

65 JT SEAL DMG

L

20 Slabs

### Sample Number: 033

Sample Type: R

Sample Comments:

Sample PCI: 98

Sample Area (Slabs): 20

65 JT SEAL DMG

L

20 Slabs

### Sample Number: 044

Sample Type: R

Sample Comments:

Sample PCI: 69

Sample Area (Slabs): 20

63 LINEAR CR

M

3 Slabs

65 JT SEAL DMG

L

20 Slabs

72 SHAT. SLAB

L

1 Slabs

### Sample Number: 053

Sample Type: R

Sample Comments:

Sample PCI: 98

Sample Area (Slabs): 20

65 JT SEAL DMG

L

20 Slabs

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**Sample Number: 064**

Sample Type: R

Sample Comments:

Sample PCI: 98

Sample Area (Slabs): 20

65 JT SEAL DMG

L

20 Slabs

---

**Sample Number: 073**

Sample Type: R

Sample Comments:

Sample PCI: 98

Sample Area (Slabs): 20

65 JT SEAL DMG

L

20 Slabs

---

**Sample Number: 084**

Sample Type: R

Sample Comments:

Sample PCI: 98

Sample Area (Slabs): 20

65 JT SEAL DMG

L

20 Slabs

---

**Sample Number: 093**

Sample Type: R

Sample Comments:

Sample PCI: 98

Sample Area (Slabs): 20

65 JT SEAL DMG

L

20 Slabs

---

**Sample Number: 104**

Sample Type: R

Sample Comments:

Sample PCI: 98

Sample Area (Slabs): 20

65 JT SEAL DMG

L

20 Slabs

---

**Sample Number: 110**

Sample Type: A

Sample Comments:

Sample PCI: 94

Sample Area (Slabs): 20

65 JT SEAL DMG

L

20 Slabs

66 SMALL PATCH

L

1 Slabs

70 SCALING

L

1 Slabs

75 CORNER SPALL

L

1 Slabs

---

**Sample Number: 113**

Sample Type: R

Sample Comments:

Sample PCI: 98

Sample Area (Slabs): 20

65 JT SEAL DMG

L

20 Slabs

---

**Sample Number: 124**

Sample Type: R

Sample Comments:

Sample PCI: 98

Sample Area (Slabs): 20

65 JT SEAL DMG

L

20 Slabs

---

**Sample Number: 133**

Sample Type: R

Sample Comments:

Sample PCI: 98

Sample Area (Slabs): 20

65 JT SEAL DMG

L

20 Slabs

# RE-INSPECTION REPORT CLINTON MUNICIPAL AIRPORT

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**Sample Number: 144**

Sample Type: R

Sample Comments:

Sample PCI: 98

Sample Area (Slabs): 20

65 JT SEAL DMG

L

20 Slabs

---

**Sample Number: 153**

Sample Type: R

Sample Comments:

Sample PCI: 98

Sample Area (Slabs): 20

65 JT SEAL DMG

L

20 Slabs



# RE-INSPECTION REPORT CLINTON MUNICIPAL AIRPORT

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## Branch - Section ID: R03CN - 02

Branch Name: RUNWAY 03/21

Use: RUNWAY

LCD: 4/2/2010

PCI Family: IowaPCCRWNCE\_Enhanced

Surface Type: PCC

Rank: P

Section Area (sf): 25,000.00

Length (ft): 250.00

Width (ft): 100.00

From: R03CL 04

To: R03CL 03

Slabs: 160

Section Comments:

Slab Length (ft): 12.50

Slab Width (ft): 12.50

Joint Length (ft): 3,650.00

Last Insp Date: 11/17/2021

Inspection Comments:

PCI: 91

Total Samples: 8

Surveyed: 5

### Sample Number: 01

Sample Type: R

Sample Comments:

Sample PCI: 91

Sample Area (Slabs): 20

65 JT SEAL DMG

M

20 Slabs

75 CORNER SPALL

L

1 Slabs

### Sample Number: 04

Sample Type: R

Sample Comments:

Sample PCI: 89

Sample Area (Slabs): 20

65 JT SEAL DMG

M

20 Slabs

75 CORNER SPALL

M

1 Slabs

### Sample Number: 05

Sample Type: R

Sample Comments:

Sample PCI: 93

Sample Area (Slabs): 20

65 JT SEAL DMG

M

20 Slabs

### Sample Number: 07

Sample Type: R

Sample Comments:

Sample PCI: 88

Sample Area (Slabs): 20

63 LINEAR CR

L

1 Slabs

65 JT SEAL DMG

M

20 Slabs

### Sample Number: 08

Sample Type: R

Sample Comments:

Sample PCI: 93

Sample Area (Slabs): 20

65 JT SEAL DMG

M

20 Slabs

# RE-INSPECTION REPORT CLINTON MUNICIPAL AIRPORT

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## Branch - Section ID: R14CN - 01

Branch Name: RUNWAY 14/32

Use: RUNWAY

LCD: 4/2/2010

PCI Family: IowaPCCRWNCE\_Enhanced

Surface Type: PCC

Rank: S

Section Area (sf): 319,015.00

Length (ft): 4,090.00

Width (ft): 75.00

From: END OF RUNWAY 14

To: END OF RUNWAY 32

Slabs: 2,042

Section Comments:

Slab Length (ft): 12.50

Slab Width (ft): 12.50

Joint Length (ft): 46,710.87

Last Insp Date: 11/18/2021

Inspection Comments:

PCI: 84

Total Samples: 91

Surveyed: 10

### Sample Number: 06

Sample Type: R

Sample Comments:

Sample PCI: 91

Sample Area (Slabs): 24

65 JT SEAL DMG

L

24 Slabs

71 FAULTING

L

2 Slabs

### Sample Number: 16

Sample Type: R

Sample Comments:

Sample PCI: 94

Sample Area (Slabs): 24

63 LINEAR CR

L

1 Slabs

65 JT SEAL DMG

L

24 Slabs

### Sample Number: 26

Sample Type: R

Sample Comments:

Sample PCI: 91

Sample Area (Slabs): 24

63 LINEAR CR

L

2 Slabs

65 JT SEAL DMG

L

24 Slabs

### Sample Number: 41

Sample Type: R

Sample Comments:

Sample PCI: 88

Sample Area (Slabs): 24

65 JT SEAL DMG

M

24 Slabs

71 FAULTING

L

2 Slabs

### Sample Number: 53

Sample Type: R

Sample Comments:

Sample PCI: 88

Sample Area (Slabs): 24

65 JT SEAL DMG

M

24 Slabs

71 FAULTING

L

2 Slabs

# RE-INSPECTION REPORT CLINTON MUNICIPAL AIRPORT

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## Sample Number: 63

Sample Type: R

Sample Comments:

Sample PCI: 93

Sample Area (Slabs): 24

65 JT SEAL DMG

M

24 Slabs

## Sample Number: 73

Sample Type: R

Sample Comments:

Sample PCI: 93

Sample Area (Slabs): 24

65 JT SEAL DMG

M

24 Slabs

## Sample Number: 83

Sample Type: R

Sample Comments:

Sample PCI: 84

Sample Area (Slabs): 24

63 LINEAR CR

L

2 Slabs

65 JT SEAL DMG

M

24 Slabs

75 CORNER SPALL

M

1 Slabs

## Sample Number: 88

Sample Type: R

Sample Comments:

Sample PCI: 45

Sample Area (Slabs): 24

62 CORNER BREAK

M

3 Slabs

63 LINEAR CR

M

4 Slabs

65 JT SEAL DMG

H

24 Slabs

71 FAULTING

L

6 Slabs

74 JOINT SPALL

M

2 Slabs

## Sample Number: 89

Sample Type: R

Sample Comments:

Sample PCI: 77

Sample Area (Slabs): 24

65 JT SEAL DMG

H

24 Slabs

66 SMALL PATCH

L

2 Slabs

71 FAULTING

L

2 Slabs

75 CORNER SPALL

L

3 Slabs



# RE-INSPECTION REPORT CLINTON MUNICIPAL AIRPORT

Pavement Database: IA 2021

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## Branch - Section ID: T01CN - 01

Branch Name: TAXIWAY 01

Use: TAXIWAY

LCD: 3/31/2018

PCI Family: IowaPCCTWNCE\_Enhanced

Surface Type: PCC

Rank: P

Section Area (sf): 30,107.00

Length (ft): 650.00

Width (ft): 45.00

From: APRON 02CL 02

To: RUNWAY 14

Slabs: 335

Section Comments:

Slab Length (ft): 10.00

Slab Width (ft): 9.00

Joint Length (ft): 5,640.56

Last Insp Date: 11/18/2021

Inspection Comments:

PCI: 100

Total Samples: 16

Surveyed: 6

### Sample Number: 02

Sample Type: R

Sample Comments:

Sample PCI: 100

Sample Area (Slabs): 25

NO DISTRESS

### Sample Number: 05

Sample Type: R

Sample Comments:

Sample PCI: 100

Sample Area (Slabs): 20

NO DISTRESS

### Sample Number: 08

Sample Type: R

Sample Comments:

Sample PCI: 100

Sample Area (Slabs): 22

NO DISTRESS

### Sample Number: 11

Sample Type: R

Sample Comments:

Sample PCI: 100

Sample Area (Slabs): 20

NO DISTRESS

### Sample Number: 13

Sample Type: R

Sample Comments:

Sample PCI: 100

Sample Area (Slabs): 20

NO DISTRESS

### Sample Number: 15

Sample Type: R

Sample Comments:

Sample PCI: 100

Sample Area (Slabs): 22

NO DISTRESS

# RE-INSPECTION REPORT CLINTON MUNICIPAL AIRPORT

Pavement Database: IA 2021

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## Branch - Section ID: T01CN - 02

Branch Name: TAXIWAY 01

Use: TAXIWAY

LCD: 4/2/2010

PCI Family: IowaPCCTWNCE\_Enhanced

Surface Type: PCC

Rank: P

Section Area (sf): 3,450.00

Length (ft): 63.00

Width (ft): 50.00

From: RUNWAY 14

To: TAXIWAY 04

Slabs: 24

Section Comments: slab avg

Slab Length (ft): 11.50

Slab Width (ft): 12.50

Joint Length (ft): 452.24

Last Insp Date: 11/18/2021

Inspection Comments:

PCI: 85

Total Samples: 1

Surveyed: 1

### Sample Number: 01

Sample Type: R

Sample Comments:

Sample PCI: 85

Sample Area (Slabs): 24

62 CORNER BREAK

L

1 Slabs

65 JT SEAL DMG

M

24 Slabs

66 SMALL PATCH

M

1 Slabs

75 CORNER SPALL

L

1 Slabs

# RE-INSPECTION REPORT CLINTON MUNICIPAL AIRPORT

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## Branch - Section ID: T01CN - 03

Branch Name: TAXIWAY 01

Use: TAXIWAY

LCD: 7/31/2018

PCI Family: IowaPCCTWNCE\_Enhanced

Surface Type: PCC

Rank: P

Section Area (sf): 11,010.00

Length (ft): 185.00

Width (ft): 70.00

From: SEE MAP

To: SEE MAP

Slabs: 143

Section Comments:

Slab Length (ft): 8.80

Slab Width (ft): 8.75

Joint Length (ft): 2,292.62

Last Insp Date: 11/18/2021

Inspection Comments:

PCI: 96

Total Samples: 8

Surveyed: 5

### Sample Number: 02

Sample Type: R

Sample Comments:

Sample PCI: 100

Sample Area (Slabs): 12

NO DISTRESS

### Sample Number: 03

Sample Type: R

Sample Comments:

Sample PCI: 100

Sample Area (Slabs): 17

NO DISTRESS

### Sample Number: 05

Sample Type: R

Sample Comments:

Sample PCI: 81

Sample Area (Slabs): 20

63 LINEAR CR

M

2 Slabs

### Sample Number: 06

Sample Type: R

Sample Comments:

Sample PCI: 100

Sample Area (Slabs): 20

NO DISTRESS

### Sample Number: 08

Sample Type: R

Sample Comments:

Sample PCI: 100

Sample Area (Slabs): 20

NO DISTRESS

# RE-INSPECTION REPORT CLINTON MUNICIPAL AIRPORT

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## Branch - Section ID: T02CN - 01

Branch Name: TAXIWAY 02

Use: TAXIWAY

LCD: 4/2/2010

PCI Family: IowaPCCTWNCE\_Enhanced

Surface Type: PCC

Rank: P

Section Area (sf): 13,644.00

Length (ft): 220.00

Width (ft): 38.00

From: RUNWAY 14

To: END

Slabs: 156

Section Comments:

Slab Length (ft): 10.00

Slab Width (ft): 8.75

Joint Length (ft): 2,502.64

Last Insp Date: 11/18/2021

Inspection Comments:

PCI: 91

Total Samples: 9

Surveyed: 5

### Sample Number: 01

Sample Type: R

Sample Comments:

Sample PCI: 93

Sample Area (Slabs): 20

65 JT SEAL DMG

M

20 Slabs

### Sample Number: 03

Sample Type: R

Sample Comments:

Sample PCI: 93

Sample Area (Slabs): 20

65 JT SEAL DMG

M

20 Slabs

### Sample Number: 05

Sample Type: R

Sample Comments:

Sample PCI: 87

Sample Area (Slabs): 20

65 JT SEAL DMG

M

20 Slabs

71 FAULTING

L

2 Slabs

### Sample Number: 07

Sample Type: R

Sample Comments:

Sample PCI: 89

Sample Area (Slabs): 20

65 JT SEAL DMG

M

20 Slabs

74 JOINT SPALL

M

1 Slabs

### Sample Number: 09

Sample Type: R

Sample Comments:

Sample PCI: 98

Sample Area (Slabs): 12

65 JT SEAL DMG

L

12 Slabs



# RE-INSPECTION REPORT CLINTON MUNICIPAL AIRPORT

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## Branch - Section ID: T03CN - 01

Branch Name: TAXIWAY 03

Use: TAXIWAY

LCD: 8/3/2011

PCI Family: IowaPCCTWNCE\_Enhanced

Surface Type: PCC

Rank: P

Section Area (sf): 30,263.00

Length (ft): 800.00

Width (ft): 35.00

From: A02CL 03

To: RUNWAY 03

Slabs: 393

Section Comments:

Slab Length (ft): 8.80

Slab Width (ft): 8.75

Joint Length (ft): 5,995.12

Last Insp Date: 11/18/2021

Inspection Comments:

PCI: 96

Total Samples: 19

Surveyed: 7

### Sample Number: 01

Sample Type: R

Sample Comments:

Sample PCI: 95

Sample Area (Slabs): 27

65 JT SEAL DMG

L

27 Slabs

75 CORNER SPALL

M

1 Slabs

### Sample Number: 03

Sample Type: R

Sample Comments:

Sample PCI: 98

Sample Area (Slabs): 20

65 JT SEAL DMG

L

20 Slabs

### Sample Number: 06

Sample Type: R

Sample Comments:

Sample PCI: 98

Sample Area (Slabs): 20

65 JT SEAL DMG

L

20 Slabs

### Sample Number: 09

Sample Type: R

Sample Comments:

Sample PCI: 93

Sample Area (Slabs): 20

65 JT SEAL DMG

M

20 Slabs

### Sample Number: 13

Sample Type: R

Sample Comments:

Sample PCI: 93

Sample Area (Slabs): 20

65 JT SEAL DMG

L

20 Slabs

71 FAULTING

L

1 Slabs

### Sample Number: 16

Sample Type: R

Sample Comments:

Sample PCI: 98

Sample Area (Slabs): 20

65 JT SEAL DMG

L

20 Slabs

# RE-INSPECTION REPORT CLINTON MUNICIPAL AIRPORT

Pavement Database: IA 2021

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## Sample Number: 18

Sample Type: R

Sample Comments:

Sample PCI: 94

Sample Area (Slabs): 20

65 JT SEAL DMG

L

20 Slabs

75 CORNER SPALL

L

2 Slabs

# RE-INSPECTION REPORT CLINTON MUNICIPAL AIRPORT

Pavement Database: IA 2021

Generate Date: 4/27/2022

Network ID: CWI

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## Branch - Section ID: T03CN - 02

Branch Name: TAXIWAY 03

Use: TAXIWAY

LCD: 6/3/2003

PCI Family: IowaPCCTWNCE\_Enhanced

Surface Type: PCC

Rank: P

Section Area (sf): 17,928.00

Length (ft): 515.00

Width (ft): 35.00

From: T03CL-01

To: R14CL-01

Slabs: 205

Section Comments:

Slab Length (ft): 10.00

Slab Width (ft): 8.75

Joint Length (ft): 3,294.67

Last Insp Date: 11/18/2021

Inspection Comments:

PCI: 93

Total Samples: 11

Surveyed: 6

### Sample Number: 01

Sample Type: R

Sample Comments:

Sample PCI: 89

Sample Area (Slabs): 23

65 JT SEAL DMG

L

23 Slabs

66 SMALL PATCH

M

3 Slabs

75 CORNER SPALL

L

1 Slabs

### Sample Number: 03

Sample Type: R

Sample Comments:

Sample PCI: 98

Sample Area (Slabs): 20

65 JT SEAL DMG

L

20 Slabs

### Sample Number: 05

Sample Type: R

Sample Comments:

Sample PCI: 98

Sample Area (Slabs): 20

65 JT SEAL DMG

L

20 Slabs

### Sample Number: 07

Sample Type: R

Sample Comments:

Sample PCI: 98

Sample Area (Slabs): 20

65 JT SEAL DMG

L

20 Slabs

### Sample Number: 09

Sample Type: R

Sample Comments:

Sample PCI: 87

Sample Area (Slabs): 20

65 JT SEAL DMG

M

20 Slabs

71 FAULTING

L

2 Slabs

# RE-INSPECTION REPORT CLINTON MUNICIPAL AIRPORT

Pavement Database: IA 2021

Generate Date: 4/27/2022

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## Sample Number: 10

Sample Type: R

Sample Comments:

Sample PCI: 91

Sample Area (Slabs): 20

65 JT SEAL DMG

M

20 Slabs

74 JOINT SPALL

L

1 Slabs



# RE-INSPECTION REPORT CLINTON MUNICIPAL AIRPORT

Pavement Database: IA 2021

Generate Date: 4/27/2022

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## Branch - Section ID: T03CN - 03

Branch Name: TAXIWAY 03

Use: TAXIWAY

LCD: 6/3/2003

PCI Family: IowaPCCTWNCE\_Enhanced

Surface Type: PCC

Rank: P

Section Area (sf): 142,497.00

Length (ft): 4,039.00

Width (ft): 35.00

From: R14CL-01

To: R03CL-03

Slabs: 1,629

Section Comments:

Slab Length (ft): 10.00

Slab Width (ft): 8.75

Joint Length (ft): 26,428.45

Last Insp Date: 11/17/2021

Inspection Comments:

PCI: 95

Total Samples: 82

Surveyed: 10

### Sample Number: 01

Sample Type: R

Sample Comments:

Sample PCI: 98

Sample Area (Slabs): 24

65 JT SEAL DMG

L

24 Slabs

### Sample Number: 10

Sample Type: R

Sample Comments:

Sample PCI: 98

Sample Area (Slabs): 20

65 JT SEAL DMG

L

20 Slabs

### Sample Number: 19

Sample Type: R

Sample Comments:

Sample PCI: 98

Sample Area (Slabs): 20

65 JT SEAL DMG

L

20 Slabs

### Sample Number: 28

Sample Type: R

Sample Comments:

Sample PCI: 86

Sample Area (Slabs): 20

65 JT SEAL DMG

L

20 Slabs

71 FAULTING

L

3 Slabs

### Sample Number: 36

Sample Type: R

Sample Comments:

Sample PCI: 87

Sample Area (Slabs): 20

65 JT SEAL DMG

M

20 Slabs

71 FAULTING

L

2 Slabs

# RE-INSPECTION REPORT CLINTON MUNICIPAL AIRPORT

Pavement Database: IA 2021

Generate Date: 4/27/2022

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## Sample Number: 42

Sample Type: A

Sample Comments:

Sample PCI: 89

Sample Area (Slabs): 20

63 LINEAR CR

L

1 Slabs

65 JT SEAL DMG

L

20 Slabs

74 JOINT SPALL

M

1 Slabs

---

## Sample Number: 46

Sample Type: R

Sample Comments:

Sample PCI: 98

Sample Area (Slabs): 20

65 JT SEAL DMG

L

20 Slabs

---

## Sample Number: 55

Sample Type: R

Sample Comments:

Sample PCI: 98

Sample Area (Slabs): 20

65 JT SEAL DMG

L

20 Slabs

---

## Sample Number: 64

Sample Type: R

Sample Comments:

Sample PCI: 98

Sample Area (Slabs): 20

65 JT SEAL DMG

L

20 Slabs

---

## Sample Number: 73

Sample Type: R

Sample Comments:

Sample PCI: 98

Sample Area (Slabs): 20

65 JT SEAL DMG

L

20 Slabs

# RE-INSPECTION REPORT CLINTON MUNICIPAL AIRPORT

Pavement Database: IA 2021

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## Branch - Section ID: T03CN - 04

Branch Name: TAXIWAY 03

Use: TAXIWAY

LCD: 6/3/2011

PCI Family: IowaPCCTWNCE\_Enhanced

Surface Type: PCC

Rank: P

Section Area (sf): 8,958.00

Length (ft): 245.00

Width (ft): 35.00

From: RUNWAY 21

To: TAXIWAY 03-03

Slabs: 102

Section Comments:

Slab Length (ft): 10.00

Slab Width (ft): 8.75

Joint Length (ft): 1,627.07

Last Insp Date: 11/17/2021

Inspection Comments:

PCI: 93

Total Samples: 5

Surveyed: 4

### Sample Number: 02

Sample Type: R

Sample Comments:

Sample PCI: 98

Sample Area (Slabs): 22

65 JT SEAL DMG

L

22 Slabs

### Sample Number: 03

Sample Type: R

Sample Comments:

Sample PCI: 98

Sample Area (Slabs): 20

65 JT SEAL DMG

L

20 Slabs

### Sample Number: 04

Sample Type: R

Sample Comments:

Sample PCI: 93

Sample Area (Slabs): 20

63 LINEAR CR

L

1 Slabs

65 JT SEAL DMG

L

20 Slabs

### Sample Number: 05

Sample Type: R

Sample Comments:

Sample PCI: 83

Sample Area (Slabs): 22

62 CORNER BREAK

M

1 Slabs

63 LINEAR CR

M

1 Slabs

65 JT SEAL DMG

L

22 Slabs

# RE-INSPECTION REPORT CLINTON MUNICIPAL AIRPORT

Pavement Database: IA 2021

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## Branch - Section ID: T04CN - 01

Branch Name: TAXIWAY 04

Use: TAXIWAY

LCD: 6/1/2002  
 Surface Type: AAC  
 Rank: P  
 Section Area (sf): 29,958.00  
 Length (ft): 1,085.00  
 Width (ft): 25.00  
 From: T01CL 01  
 To: END OF T01CL

PCI Family: IowaAACTWNCE

Slabs:  
 Slab Length (ft):  
 Slab Width (ft):  
 Joint Length (ft):

Section Comments:

Last Insp Date: 11/18/2021  
 PCI: 21  
 Total Samples: 8  
 Surveyed: 4

Inspection Comments:

### Sample Number: 04

Sample Type: R  
 Sample PCI: 24  
 Sample Area (SF): 3,000

Sample Comments:

41 ALLIGATOR CR	M	300 SF	
48 L & T CR	L	142 Ft	
48 L & T CR	M	300 Ft	
57 WEATHERING	L	1,500 SF	
57 WEATHERING	M	1,500 SF	

### Sample Number: 05

Sample Type: R  
 Sample PCI: 16  
 Sample Area (SF): 3,125

Sample Comments:

41 ALLIGATOR CR	M	600 SF	
48 L & T CR	L	70 Ft	u
48 L & T CR	M	32 Ft	w, fs
52 RAVELING	H	100 SF	
52 RAVELING	M	300 SF	
57 WEATHERING	M	2,725 SF	

### Sample Number: 06

Sample Type: R  
 Sample PCI: 9  
 Sample Area (SF): 3,125

Sample Comments:

41 ALLIGATOR CR	M	1,500 SF	
43 BLOCK CR	M	900 SF	
48 L & T CR	L	105 Ft	u
48 L & T CR	M	150 Ft	fs
52 RAVELING	H	100 SF	
52 RAVELING	M	500 SF	
57 WEATHERING	M	2,525 SF	



# RE-INSPECTION REPORT CLINTON MUNICIPAL AIRPORT

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## Sample Number: 08

Sample Type: R

Sample Comments:

Sample PCI: 35

Sample Area (SF): 3,325

43 BLOCK CR	M	1,600 SF	w
48 L & T CR	L	100 Ft	u
48 L & T CR	M	300 Ft	fs,w
52 RAVELING	M	25 SF	
57 WEATHERING	L	2,000 SF	
57 WEATHERING	M	1,300 SF	

# RE-INSPECTION REPORT CLINTON MUNICIPAL AIRPORT

Pavement Database: IA 2021

Generate Date: 4/27/2022

Network ID: CWI

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## Branch - Section ID: T04CN - 02

Branch Name: TAXIWAY 04

Use: TAXIWAY

LCD: 1/3/2002

PCI Family: IowaPCCTWNCE\_Enhanced

Surface Type: PCC

Rank: P

Section Area (sf): 3,600.00

Length (ft): 100.00

Width (ft): 36.00

From: SEE MAP

To: SEE MAP

Slabs: 20

Section Comments:

Slab Length (ft): 10.00

Slab Width (ft): 18.00

Joint Length (ft): 424.00

Last Insp Date: 11/18/2021

Inspection Comments:

PCI: 41

Total Samples: 1

Surveyed: 1

### Sample Number: 01

Sample Type: R

Sample Comments:

Sample PCI: 41

Sample Area (Slabs): 20

63 LINEAR CR

L

4 Slabs

63 LINEAR CR

M

12 Slabs

65 JT SEAL DMG

H

20 Slabs

# RE-INSPECTION REPORT CLINTON MUNICIPAL AIRPORT

Pavement Database: IA 2021

Generate Date: 4/27/2022

Network ID: CWI

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## Branch - Section ID: T05CN - 01

Branch Name: TAXIWAY 05

Use: TAXIWAY

LCD: 6/1/2003

PCI Family: IowaPCCTWNCE\_Enhanced

Surface Type: PCC

Rank: P

Section Area (sf): 12,269.00

Length (ft): 266.00

Width (ft): 35.00

From: T03CL-02

To: R03CL-01

Slabs: 146

Section Comments:

Slab Length (ft): 9.60

Slab Width (ft): 8.75

Joint Length (ft): 2,283.53

Last Insp Date: 11/18/2021

Inspection Comments:

PCI: 90

Total Samples: 8

Surveyed: 5

### Sample Number: 01

Sample Type: R

Sample Comments:

Sample PCI: 93

Sample Area (Slabs): 21

65 JT SEAL DMG

M

21 Slabs

### Sample Number: 03

Sample Type: R

Sample Comments:

Sample PCI: 93

Sample Area (Slabs): 23

65 JT SEAL DMG

M

23 Slabs

### Sample Number: 05

Sample Type: R

Sample Comments:

Sample PCI: 89

Sample Area (Slabs): 19

62 CORNER BREAK

L

1 Slabs

65 JT SEAL DMG

M

19 Slabs

### Sample Number: 06

Sample Type: R

Sample Comments:

Sample PCI: 74

Sample Area (Slabs): 12

63 LINEAR CR

M

1 Slabs

65 JT SEAL DMG

M

12 Slabs

74 JOINT SPALL

L

2 Slabs

### Sample Number: 07

Sample Type: R

Sample Comments:

Sample PCI: 93

Sample Area (Slabs): 20

65 JT SEAL DMG

M

20 Slabs

# RE-INSPECTION REPORT CLINTON MUNICIPAL AIRPORT

Pavement Database: IA 2021

Generate Date: 4/27/2022

Network ID: CWI

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## Branch - Section ID: T05CN - 02

Branch Name: TAXIWAY 05

Use: TAXIWAY

LCD: 6/2/2011

PCI Family: IowaPCCTWNCE\_Enhanced

Surface Type: PCC

Rank: P

Section Area (sf): 4,708.00

Length (ft): 95.00

Width (ft): 40.00

From: RUNWAY 03

To: TAXIWAY 05-01

Slabs: 59

Section Comments:

Slab Length (ft): 9.10

Slab Width (ft): 8.75

Joint Length (ft): 888.16

Last Insp Date: 11/18/2021

Inspection Comments:

PCI: 98

Total Samples: 3

Surveyed: 3

### Sample Number: 01

Sample Type: R

Sample Comments:

Sample PCI: 98

Sample Area (Slabs): 19

65 JT SEAL DMG

L

19 Slabs

### Sample Number: 02

Sample Type: R

Sample Comments:

Sample PCI: 98

Sample Area (Slabs): 20

65 JT SEAL DMG

L

20 Slabs

### Sample Number: 03

Sample Type: R

Sample Comments:

Sample PCI: 98

Sample Area (Slabs): 20

65 JT SEAL DMG

L

20 Slabs



# RE-INSPECTION REPORT CLINTON MUNICIPAL AIRPORT

Pavement Database: IA 2021

Generate Date: 4/27/2022

Network ID: CWI

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## Branch - Section ID: T06CN - 01

Branch Name: TAXIWAY 06

Use: TAXIWAY

LCD: 6/3/2003

PCI Family: IowaPCCTWNCE\_Enhanced

Surface Type: PCC

Rank: P

Section Area (sf): 6,747.00

Length (ft): 117.00

Width (ft): 40.00

From: T03CL-03

To: R03CL-02

Slabs: 77

Section Comments:

Slab Length (ft): 10.00

Slab Width (ft): 8.75

Joint Length (ft): 1,219.44

Last Insp Date: 11/18/2021

Inspection Comments:

PCI: 89

Total Samples: 5

Surveyed: 4

### Sample Number: 01

Sample Type: R

Sample Comments:

Sample PCI: 98

Sample Area (Slabs): 22

65 JT SEAL DMG

L

22 Slabs

### Sample Number: 02

Sample Type: R

Sample Comments:

Sample PCI: 98

Sample Area (Slabs): 18

65 JT SEAL DMG

L

18 Slabs

### Sample Number: 04

Sample Type: R

Sample Comments:

Sample PCI: 70

Sample Area (Slabs): 18

62 CORNER BREAK

L

1 Slabs

63 LINEAR CR

L

1 Slabs

65 JT SEAL DMG

L

18 Slabs

71 FAULTING

L

2 Slabs

74 JOINT SPALL

M

1 Slabs

76 ASR

L

1 Slabs

### Sample Number: 05

Sample Type: R

Sample Comments:

Sample PCI: 89

Sample Area (Slabs): 18

65 JT SEAL DMG

L

18 Slabs

71 FAULTING

L

2 Slabs

# RE-INSPECTION REPORT CLINTON MUNICIPAL AIRPORT

Pavement Database: IA 2021

Generate Date: 4/27/2022

Network ID: CWI

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## Branch - Section ID: T06CN - 02

Branch Name: TAXIWAY 06

Use: TAXIWAY

LCD: 6/3/2011

PCI Family: IowaPCCTWNCE\_Enhanced

Surface Type: PCC

Rank: P

Section Area (sf): 8,296.00

Length (ft): 215.00

Width (ft): 40.00

From: TAXIWAY 06-01

To: TAXIWAY 03

Slabs: 106

Section Comments: SLAB WIDTHS VARY

Slab Length (ft): 10.00

Slab Width (ft): 7.80

Joint Length (ft): 1,647.20

Last Insp Date: 11/18/2021

Inspection Comments:

PCI: 98

Total Samples: 5

Surveyed: 4

### Sample Number: 02

Sample Type: R

Sample Comments:

Sample PCI: 98

Sample Area (Slabs): 18

65 JT SEAL DMG

L

18 Slabs

### Sample Number: 03

Sample Type: R

Sample Comments:

Sample PCI: 98

Sample Area (Slabs): 22

65 JT SEAL DMG

L

22 Slabs

### Sample Number: 04

Sample Type: R

Sample Comments:

Sample PCI: 98

Sample Area (Slabs): 20

65 JT SEAL DMG

L

20 Slabs

### Sample Number: 05

Sample Type: R

Sample Comments:

Sample PCI: 96

Sample Area (Slabs): 20

65 JT SEAL DMG

L

20 Slabs

74 JOINT SPALL

L

1 Slabs

# RE-INSPECTION REPORT CLINTON MUNICIPAL AIRPORT

Pavement Database: IA 2021

Generate Date: 4/27/2022

Network ID: CWI

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## Branch - Section ID: T07CN - 01

Branch Name: TAXIWAY 07

Use: TAXIWAY

LCD: 4/2/2010

PCI Family: IowaPCCTWNCE\_Enhanced

Surface Type: PCC

Rank: P

Section Area (sf): 13,646.00

Length (ft): 220.00

Width (ft): 40.00

From: RUNWAY 14

To: END

Slabs: 156

Section Comments:

Slab Length (ft): 10.00

Slab Width (ft): 8.75

Joint Length (ft): 2,520.97

Last Insp Date: 11/18/2021

Inspection Comments:

PCI: 89

Total Samples: 9

Surveyed: 5

### Sample Number: 02

Sample Type: R

Sample Comments:

Sample PCI: 93

Sample Area (Slabs): 20

65 JT SEAL DMG

M

20 Slabs

### Sample Number: 04

Sample Type: R

Sample Comments:

Sample PCI: 75

Sample Area (Slabs): 20

65 JT SEAL DMG

M

20 Slabs

71 FAULTING

L

6 Slabs

### Sample Number: 06

Sample Type: R

Sample Comments:

Sample PCI: 93

Sample Area (Slabs): 12

65 JT SEAL DMG

M

12 Slabs

### Sample Number: 07

Sample Type: R

Sample Comments:

Sample PCI: 93

Sample Area (Slabs): 24

65 JT SEAL DMG

M

24 Slabs

### Sample Number: 08

Sample Type: R

Sample Comments:

Sample PCI: 93

Sample Area (Slabs): 24

65 JT SEAL DMG

M

24 Slabs

# RE-INSPECTION REPORT CLINTON MUNICIPAL AIRPORT

Pavement Database: IA 2021

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Network ID: CWI

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## Branch - Section ID: TH01CN - 01

Branch Name: T-HANGAR 01

Use: T-HANGAR

LCD: 1/3/2002

PCI Family: IowaPCCTHNorthern

Surface Type: PCC

Rank: P

Section Area (sf): 21,168.00

Length (ft): 440.00

Width (ft): 35.00

From: SEE MAP

To: SEE MAP

Slabs: 212

Section Comments:

Slab Length (ft): 10.00

Slab Width (ft): 10.00

Joint Length (ft): 3,580.69

Last Insp Date: 11/18/2021

Inspection Comments:

PCI: 44

Total Samples: 8

Surveyed: 5

### Sample Number: 02

Sample Type: R

Sample Comments:

Sample PCI: 46

Sample Area (Slabs): 24

62 CORNER BREAK	M	1 Slabs
63 LINEAR CR	M	8 Slabs
65 JT SEAL DMG	M	24 Slabs
72 SHAT. SLAB	M	1 Slabs

### Sample Number: 04

Sample Type: R

Sample Comments:

Sample PCI: 47

Sample Area (Slabs): 21

63 LINEAR CR	L	4 Slabs
63 LINEAR CR	M	6 Slabs
65 JT SEAL DMG	M	21 Slabs
72 SHAT. SLAB	M	1 Slabs

### Sample Number: 05

Sample Type: R

Sample Comments:

Sample PCI: 39

Sample Area (Slabs): 15

63 LINEAR CR	L	5 Slabs
63 LINEAR CR	M	5 Slabs
65 JT SEAL DMG	H	15 Slabs
72 SHAT. SLAB	L	2 Slabs

### Sample Number: 06

Sample Type: R

Sample Comments:

Sample PCI: 38

Sample Area (Slabs): 15

63 LINEAR CR	L	5 Slabs
63 LINEAR CR	M	5 Slabs
65 JT SEAL DMG	H	15 Slabs
70 SCALING	H	1 Slabs



# RE-INSPECTION REPORT CLINTON MUNICIPAL AIRPORT

Pavement Database: IA 2021

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Network ID: CWI

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## Sample Number: 07

Sample Type: R

Sample Comments:

Sample PCI: 50

Sample Area (Slabs): 15

63 LINEAR CR

L

5 Slabs

63 LINEAR CR

M

5 Slabs

65 JT SEAL DMG

H

15 Slabs

# RE-INSPECTION REPORT CLINTON MUNICIPAL AIRPORT

Pavement Database: IA 2021

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Network ID: CWI

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## Branch - Section ID: TH01CN - 02

Branch Name: T-HANGAR 01

Use: T-HANGAR

LCD: 1/1/2004

PCI Family: IowaPCCTHNorthern

Surface Type: PCC

Rank: P

Section Area (sf): 4,550.00

Length (ft): 130.00

Width (ft): 35.00

From: SEE MAP

To: SEE MAP

Slabs: 27

Section Comments: avg slab width

Slab Length (ft): 14.40

Slab Width (ft): 11.70

Joint Length (ft): 539.86

Last Insp Date: 11/18/2021

Inspection Comments:

PCI: 69

Total Samples: 1

Surveyed: 1

### Sample Number: 01

Sample Type: R

Sample Comments:

Sample PCI: 69

Sample Area (Slabs): 27

62 CORNER BREAK

L

1 Slabs

63 LINEAR CR

L

7 Slabs

65 JT SEAL DMG

M

27 Slabs

72 SHAT. SLAB

L

2 Slabs

# RE-INSPECTION REPORT CLINTON MUNICIPAL AIRPORT

Pavement Database: IA 2021

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## Branch - Section ID: TH01CN - 03

Branch Name: T-HANGAR 01

Use: T-HANGAR

LCD: 1/1/2005

PCI Family: IowaASPHALTTHNorthern

Surface Type: AAC

Rank: P

Section Area (sf): 17,012.00

Length (ft): 505.00

Width (ft): 35.00

From: SEE MAP

To: SEE MAP

Slabs:

Section Comments:

Slab Length (ft):

Slab Width (ft):

Joint Length (ft):

Last Insp Date: 11/18/2021

Inspection Comments:

PCI: 42

Total Samples: 4

Surveyed: 3

### Sample Number: 02

Sample Type: R

Sample Comments:

Sample PCI: 26

Sample Area (SF): 4,375

41 ALLIGATOR CR	L	50 SF
41 ALLIGATOR CR	M	100 SF
48 L & T CR	H	25 Ft
48 L & T CR	L	156 Ft
48 L & T CR	M	525 Ft
52 RAVELING	H	20 SF
52 RAVELING	M	200 SF
57 WEATHERING	M	4,155 SF

### Sample Number: 03

Sample Type: R

Sample Comments:

Sample PCI: 50

Sample Area (SF): 4,655

41 ALLIGATOR CR	H	3 SF
41 ALLIGATOR CR	M	80 SF
48 L & T CR	L	52 Ft
48 L & T CR	M	85 Ft
57 WEATHERING	M	4,655 SF

### Sample Number: 04

Sample Type: R

Sample Comments:

Sample PCI: 50

Sample Area (SF): 4,375

41 ALLIGATOR CR	M	80 SF
48 L & T CR	L	72 Ft
48 L & T CR	M	70 Ft
57 WEATHERING	M	4,375 SF

## **APPENDIX D**

### **WORK HISTORY REPORT**



## Network: CLINTON MUNICIPAL AIRPORT

### Branch - Section ID: A01CN - 01

LCD: 6/1/1984  
 Use: APRON  
 Rank: P  
 Surface: PCC

Length (ft): 200.00  
 Width (ft): 180.00  
 True Area (sf): 22,346.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
06-01-2016	SL-PC	Slab Replacement - PCC	\$0.00	0.00	False	FIELD ESTIMATE
01-01-2012	ST-MS	Surface Treatment - Micro Surface	\$0.00	0.00	False	GRIPFLEX
06-01-1984	NU-IN	New Construction - Initial	\$0.00	0.00	True	-

### Branch - Section ID: A01CN - 02

LCD: 6/3/2014  
 Use: APRON  
 Rank: P  
 Surface: PCC

Length (ft): 100.00  
 Width (ft): 140.00  
 True Area (sf): 9,991.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
06-03-2014	CR-PC	Complete Reconstruction - PCC	\$0.00	6.00	True	6" P501
06-02-2014	SG-CO	Subgrade - Compacted	\$0.00	6.00	False	AGG SUBGRADE
06-01-1984	NC-PC	New Construction - PCC	\$0.00	0.00	True	-

### Branch - Section ID: A01CN - 03

LCD: 1/1/1995  
 Use: APRON  
 Rank: P  
 Surface: AC

Length (ft): 218.00  
 Width (ft): 85.00  
 True Area (sf): 18,992.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
06-01-2012	ST-SC	Surface Treatment - Seal Coat	\$0.00	0.00	False	EST
01-01-1995	CR-AC	Complete Reconstruction - AC	\$0.00	0.00	True	EST. VIA GE

### Branch - Section ID: A01CN - 04

LCD: 4/1/2016  
 Use: APRON  
 Rank: P  
 Surface: PCC

Length (ft): 162.00  
 Width (ft): 50.00  
 True Area (sf): 8,100.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
04-01-2016	NC-PC	New Construction - PCC	\$0.00	0.00	True	FIELD EST.

# Work History

## Pavement Database: IA 2021

**Branch - Section ID: A02CN - 01**

LCD: 6/1/1981  
 Use: APRON  
 Rank: P  
 Surface: PCC

Length (ft): 140.00  
 Width (ft): 130.00  
 True Area (sf): 18,725.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
06-01-2021	SL-PC	Slab Replacement - PCC	\$0.00	0.00	False	EST
06-01-2021	PA-PF	Patching - PCC Full Depth	\$0.00	0.00	False	EST
06-01-2018	ST-SC	Surface Treatment - Seal Coat	\$0.00	0.00	False	-
01-01-2012	ST-MS	Surface Treatment - Micro Surface	\$0.00	0.00	False	GRIPFLEX
01-01-2012	SL-PC	Slab Replacement - PCC	\$0.00	0.00	False	-
06-01-1981	NU-IN	New Construction - Initial	\$0.00	0.00	True	-

**Branch - Section ID: A02CN - 02**

LCD: 5/2/2020  
 Use: APRON  
 Rank: P  
 Surface: PCC

Length (ft): 200.00  
 Width (ft): 150.00  
 True Area (sf): 33,191.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
05-02-2020	CR-PC	Complete Reconstruction - PCC	\$323,900.00	7.00	True	7" PCC P-501
05-01-2020	SB-ST	Subbase - Stabilized	\$0.00	6.00	False	6" modified subbase
01-01-2012	ST-MS	Surface Treatment - Micro Surface	\$0.00	0.00	False	GRIPFLEX
06-10-1984	NU-IN	New Construction - Initial	\$0.00	0.00	True	-

**Branch - Section ID: A02CN - 03**

LCD: 6/1/1984  
 Use: APRON  
 Rank: P  
 Surface: PCC

Length (ft): 162.00  
 Width (ft): 112.00  
 True Area (sf): 18,060.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
01-01-2012	ST-MS	Surface Treatment - Micro Surface	\$0.00	0.00	False	GRIPFLEX
06-01-1984	NU-IN	New Construction - Initial	\$0.00	0.00	True	-

**Branch - Section ID: R03CN - 01**

LCD: 4/2/2010  
 Use: RUNWAY  
 Rank: P  
 Surface: PCC

Length (ft): 4,955.00  
 Width (ft): 100.00  
 True Area (sf): 494,870.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
04-02-2010	OL-PU	Overlay - PCC Unbonded	\$0.00	8.00	True	8" P501 PCC WHITETOPPING
04-01-2010	BA-BI	Base Course - Bituminous	\$0.00	1.50	False	1.5" P403 BOND BREAKER
06-01-1994	OL-AC	Overlay - AC	\$0.00	2.00	True	2" P401 AC OVERLAY (COMPOSITE P401 THIC
06-01-1979	OL-AC	Overlay - AC	\$0.00	3.00	True	3" P401 AC OVERLAY
06-01-1969	OL-AC	Overlay - AC	\$0.00	3.00	True	3" P401 AC OVERLAY (CENTER 50')
06-03-1965	NC-AC	New Construction - AC	\$0.00	3.00	True	2-3" P401 AC
06-02-1965	BA-AG	Base Course - Aggregate	\$0.00	9.00	False	8-9" P209 CABG OR 9.5" P-304 mid RW
06-01-1965	SG-CO	Subgrade - Compacted	\$0.00	0.00	False	P152 COMPACTED SUBGRADE

# Work History

## Pavement Database: IA 2021

**Branch - Section ID: R03CN - 02**

LCD: 4/2/2010  
 Use: RUNWAY  
 Rank: P  
 Surface: PCC

Length (ft): 250.00  
 Width (ft): 100.00  
 True Area (sf): 25,000.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
04-02-2010	OL-PU	Overlay - PCC Unbonded	\$0.00	8.00	True	8" P501 PCC WHITETOPPING
04-01-2010	BA-BI	Base Course - Bituminous	\$0.00	1.00	False	1" P403 AC BOND BREAKER
06-01-1994	OL-AC	Overlay - AC	\$0.00	2.00	True	2" P401 AC OVERLAY
06-01-1979	OL-AC	Overlay - AC	\$0.00	3.00	True	3" P401 AC OVERLAY
06-01-1969	OL-AC	Overlay - AC	\$0.00	3.00	True	OUTSIDE OF INT.: 3" P401 AC OVERLAY
06-03-1965	NC-PC	New Construction - PCC	\$0.00	7.00	True	INTERSECTION: 7" P501 PCC; OUTSIDE OF IN
06-02-1965	BA-AG	Base Course - Aggregate	\$0.00	8.50	False	OUTSIDE OF INT.: 8-9" P209 CAB
06-02-1965	SB-AG	Subbase - Aggregate	\$0.00	12.00	False	INTERSECTION: 12" P154 SUBBASE (ASSUME
06-01-1965	SG-CO	Subgrade - Compacted	\$0.00	0.00	False	P152 COMPACTED SUBGRADE

**Branch - Section ID: R14CN - 01**

LCD: 4/2/2010  
 Use: RUNWAY  
 Rank: S  
 Surface: PCC

Length (ft): 4,090.00  
 Width (ft): 75.00  
 True Area (sf): 319,015.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
04-02-2010	OL-PU	Overlay - PCC Unbonded	\$0.00	6.00	True	6" WHITETOPPING
04-01-2010	BA-BI	Base Course - Bituminous	\$0.00	1.00	False	P403 BOND BREAKER
06-03-1948	NC-PC	New Construction - PCC	\$0.00	7.00	True	7"-8" PCC
06-02-1948	SG-CO	Subgrade - Compacted	\$0.00	12.00	False	12" SAND

**Branch - Section ID: T01CN - 01**

LCD: 3/31/2018  
 Use: TAXIWAY  
 Rank: P  
 Surface: PCC

Length (ft): 650.00  
 Width (ft): 45.00  
 True Area (sf): 30,107.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
03-31-2018	CR-PC	Complete Reconstruction - PCC	\$0.00	6.00	True	6" P501
03-30-2018	BA-AG	Base Course - Aggregate	\$0.00	6.00	False	6" Granular P-209
03-29-2018	SG-CO	Subgrade - Compacted	\$0.00	12.00	False	Subgrade
01-01-2012	ST-MS	Surface Treatment - Micro Surface	\$0.00	0.00	False	GRIPFLEX
06-01-2000	ST-SS	Surface Treatment - Slurry Seal	\$0.00	0.00	False	-
06-01-1982	NU-IN	New Construction - Initial	\$0.00	0.00	True	-

**Branch - Section ID: T01CN - 02**

LCD: 4/2/2010  
 Use: TAXIWAY  
 Rank: P  
 Surface: PCC

Length (ft): 63.00  
 Width (ft): 50.00  
 True Area (sf): 3,450.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
04-02-2010	CR-PC	Complete Reconstruction - PCC	\$0.00	6.00	True	6" P501
04-01-2010	BA-AG	Base Course - Aggregate	\$0.00	4.00	False	4" P208
06-01-1982	NC-AC	New Construction - AC	\$0.00	0.00	True	-

# Work History

Pavement Database: IA 2021

**Branch - Section ID: T01CN - 03**

LCD: 7/31/2018  
 Use: TAXIWAY  
 Rank: P  
 Surface: PCC

Length (ft): 185.00  
 Width (ft): 70.00  
 True Area (sf): 11,010.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
07-31-2018	CR-PC	Complete Reconstruction - PCC	\$0.00	7.00	True	7" P501
07-30-2018	BA-AG	Base Course - Aggregate	\$0.00	6.00	False	6" Granular subbase p-209
07-29-2018	SG-CO	Subgrade - Compacted	\$0.00	12.00	False	SUBGRADE
01-01-2012	ST-MS	Surface Treatment - Micro Surface	\$0.00	0.00	False	GRIPFLEX
06-01-2000	ST-SS	Surface Treatment - Slurry Seal	\$0.00	0.00	False	-
06-01-1982	NU-IN	New Construction - Initial	\$0.00	0.00	True	-

**Branch - Section ID: T02CN - 01**

LCD: 4/2/2010  
 Use: TAXIWAY  
 Rank: P  
 Surface: PCC

Length (ft): 220.00  
 Width (ft): 38.00  
 True Area (sf): 13,644.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
04-02-2010	NU-IN	New Construction - Initial	\$0.00	6.00	True	6" P501
04-01-2010	BA-AG	Base Course - Aggregate	\$0.00	4.00	False	4" P208

**Branch - Section ID: T03CN - 01**

LCD: 8/3/2011  
 Use: TAXIWAY  
 Rank: P  
 Surface: PCC

Length (ft): 800.00  
 Width (ft): 35.00  
 True Area (sf): 30,263.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
08-03-2011	CR-PC	Complete Reconstruction - PCC	\$0.00	10.50	True	10.5" P501 PCC
08-02-2011	BA-AG	Base Course - Aggregate	\$0.00	4.00	False	4" P209 CABC
08-01-2011	SG-CO	Subgrade - Compacted	\$0.00	0.00	False	P152 COMPACTED SUBGRADE
06-01-1984	NU-IN	New Construction - Initial	\$0.00	0.00	True	-

**Branch - Section ID: T03CN - 02**

LCD: 6/3/2003  
 Use: TAXIWAY  
 Rank: P  
 Surface: PCC

Length (ft): 515.00  
 Width (ft): 35.00  
 True Area (sf): 17,928.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
06-03-2003	NC-PC	New Construction - PCC	\$0.00	6.00	True	6" P501 PCC
06-02-2003	BA-AG	Base Course - Aggregate	\$0.00	6.00	False	6" P209 CABC
06-01-2003	SG-CO	Subgrade - Compacted	\$0.00	0.00	False	P152 COMPACTED SUBGRADE

# Work History

Pavement Database: IA 2021

**Branch - Section ID: T03CN - 03**

LCD: 6/3/2003  
 Use: TAXIWAY  
 Rank: P  
 Surface: PCC

Length (ft): 4,039.00  
 Width (ft): 35.00  
 True Area (sf): 142,497.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
06-01-2020	SL-PC	Slab Replacement - PCC	\$0.00	0.00	False	EST
06-03-2003	NC-PC	New Construction - PCC	\$0.00	6.00	True	6" P501 PCC
06-02-2003	BA-AG	Base Course - Aggregate	\$0.00	6.00	False	6" P209 CABC
06-01-2003	SG-CO	Subgrade - Compacted	\$0.00	0.00	False	P152 COMPACTED SUBGRADE

**Branch - Section ID: T03CN - 04**

LCD: 6/3/2011  
 Use: TAXIWAY  
 Rank: P  
 Surface: PCC

Length (ft): 245.00  
 Width (ft): 35.00  
 True Area (sf): 8,958.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
06-03-2011	NU-IN	New Construction - Initial	\$0.00	10.50	True	10.5" P501 PCC
06-02-2011	BA-AG	Base Course - Aggregate	\$0.00	4.00	False	4" P209 CABC
06-01-2001	SG-CO	Subgrade - Compacted	\$0.00	0.00	False	P152 COMPACTED SUBGRADE

**Branch - Section ID: T04CN - 01**

LCD: 6/1/2002  
 Use: TAXIWAY  
 Rank: P  
 Surface: AAC

Length (ft): 1,085.00  
 Width (ft): 25.00  
 True Area (sf): 29,958.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
01-01-2012	ST-MS	Surface Treatment - Micro Surface	\$0.00	0.00	False	GRIPFLEX
06-01-2002	OL-AC	Overlay - AC	\$0.00	0.00	True	-
06-01-1982	NC-AC	New Construction - AC	\$0.00	0.00	True	-

**Branch - Section ID: T04CN - 02**

LCD: 1/3/2002  
 Use: TAXIWAY  
 Rank: P  
 Surface: PCC

Length (ft): 100.00  
 Width (ft): 36.00  
 True Area (sf): 3,600.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
01-01-2012	ST-MS	Surface Treatment - Micro Surface	\$0.00	0.00	False	EST. VIA GE
01-03-2002	NC-PC	New Construction - PCC	\$0.00	6.00	True	6" P-501 PCC
01-02-2002	SB-AG	Subbase - Aggregate	\$0.00	6.00	False	6" P-154 SUBBASE
01-01-2002	SG-CO	Subgrade - Compacted	\$0.00	6.00	False	COMPACTED SUBGRADE



# Work History

Pavement Database: IA 2021

**Branch - Section ID: T05CN - 01**

LCD: 6/1/2003  
 Use: TAXIWAY  
 Rank: P  
 Surface: PCC

Length (ft): 266.00  
 Width (ft): 35.00  
 True Area (sf): 12,269.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
06-01-2003	NU-IN	New Construction - Initial	\$93,872.00	0.00	True	Total Project Cost \$1,173,399

**Branch - Section ID: T05CN - 02**

LCD: 6/2/2011  
 Use: TAXIWAY  
 Rank: P  
 Surface: PCC

Length (ft): 95.00  
 Width (ft): 40.00  
 True Area (sf): 4,708.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
06-02-2011	NU-IN	New Construction - Initial	\$0.00	10.50	True	10.5" P501
06-01-2011	BA-AG	Base Course - Aggregate	\$0.00	4.00	False	4" P208

**Branch - Section ID: T06CN - 01**

LCD: 6/3/2003  
 Use: TAXIWAY  
 Rank: P  
 Surface: PCC

Length (ft): 117.00  
 Width (ft): 40.00  
 True Area (sf): 6,747.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
06-03-2003	NC-PC	New Construction - PCC	\$0.00	6.00	True	6" P501 PCC
06-02-2003	BA-AG	Base Course - Aggregate	\$0.00	6.00	False	6" P209 CABC
06-01-2003	SG-CO	Subgrade - Compacted	\$0.00	0.00	False	P152 COMPACTED SUBGRADE

**Branch - Section ID: T06CN - 02**

LCD: 6/3/2011  
 Use: TAXIWAY  
 Rank: P  
 Surface: PCC

Length (ft): 215.00  
 Width (ft): 40.00  
 True Area (sf): 8,296.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
06-03-2011	NC-PC	New Construction - PCC	\$0.00	6.00	True	6" P501 PCC
06-02-2011	BA-AG	Base Course - Aggregate	\$0.00	6.00	False	6" P209 CABC
06-01-2011	SG-CO	Subgrade - Compacted	\$0.00	0.00	False	P152 COMPACTED SUBGRADE

**Branch - Section ID: T07CN - 01**

LCD: 4/2/2010  
 Use: TAXIWAY  
 Rank: P  
 Surface: PCC

Length (ft): 220.00  
 Width (ft): 40.00  
 True Area (sf): 13,646.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
04-02-2010	NU-IN	New Construction - Initial	\$0.00	10.50	True	10.5" P501
04-01-2010	BA-AG	Base Course - Aggregate	\$0.00	4.00	False	4" P208

# Work History

Pavement Database: IA 2021

**Branch - Section ID: TH01CN - 01**

LCD: 1/3/2002  
 Use: T-HANGAR  
 Rank: P  
 Surface: PCC

Length (ft): 440.00  
 Width (ft): 35.00  
 True Area (sf): 21,168.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
01-03-2002	NC-PC	New Construction - PCC	\$0.00	6.00	True	6" P-501 PCC
01-02-2002	SB-AG	Subbase - Aggregate	\$0.00	6.00	False	6" P-154 SUBBASE
01-01-2002	SG-CO	Subgrade - Compacted	\$0.00	6.00	False	6" P152 COMPACTED SUBGRADE

**Branch - Section ID: TH01CN - 02**

LCD: 1/1/2004  
 Use: T-HANGAR  
 Rank: P  
 Surface: PCC

Length (ft): 130.00  
 Width (ft): 35.00  
 True Area (sf): 4,550.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
01-01-2004	CR-PC	Complete Reconstruction - PCC	\$0.00	0.00	True	ESTIMATED

**Branch - Section ID: TH01CN - 03**

LCD: 1/1/2005  
 Use: T-HANGAR  
 Rank: P  
 Surface: AAC

Length (ft): 505.00  
 Width (ft): 35.00  
 True Area (sf): 17,012.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
06-01-2012	ST-MS	Surface Treatment - Micro Surface	\$0.00	0.00	False	GRIPFLEX
01-01-2005	OL-AC	Overlay - AC	\$0.00	0.00	True	EST. VIA GE

## **APPENDIX E**

### **LOCALIZED PREVENTIVE MAINTENANCE POLICIES AND UNIT COST TABLES**

Table E-1. Localized preventive maintenance policy, asphalt-surfaced pavements.

<b>Distress Type</b>	<b>Severity Level</b>	<b>Maintenance Action</b>
Alligator Cracking	Low	Monitor
Alligator Cracking	Medium	Asphalt Patch
Alligator Cracking	High	Asphalt Patch
Bleeding	N/A	Monitor
Block Cracking	Low	Monitor
Block Cracking	Medium	Crack Seal—Asphalt
Block Cracking	High	Crack Seal—Asphalt
Corrugation	Low	Monitor
Corrugation	Medium	Asphalt Patch
Corrugation	High	Asphalt Patch
Depression	Low	Monitor
Depression	Medium	Monitor
Depression	High	Asphalt Patch
Jet-Blast Erosion	N/A	Asphalt Patch
Joint Reflection Cracking	Low	Monitor
Joint Reflection Cracking	Medium	Crack Seal—Asphalt
Joint Reflection Cracking	High	Crack Seal—Asphalt
L&T Cracking	Low	Monitor
L&T Cracking	Medium	Crack Seal—Asphalt
L&T Cracking	High	Crack Seal—Asphalt
Oil Spillage	N/A	Asphalt Patch
Patching	Low	Monitor
Patching	Medium	Asphalt Patch
Patching	High	Asphalt Patch
Polished Aggregate	N/A	Monitor
Raveling	Low	Monitor
Raveling	Medium	Asphalt Patch
Raveling	High	Asphalt Patch
Rutting	Low	Monitor
Rutting	Medium	Monitor
Rutting	High	Asphalt Patch
Shoving	Low	Monitor
Shoving	Medium	Asphalt Patch
Shoving	High	Asphalt Patch
Slippage Cracking	N/A	Asphalt Patch
Swelling	Low	Monitor
Swelling	Medium	Monitor
Swelling	High	Asphalt Patch
Weathering	Low	Monitor
Weathering	Medium	Monitor
Weathering	High	Asphalt Patch

Table E-2. Localized preventive maintenance policy, PCC pavements.

<b>Distress Type</b>	<b>Severity Level</b>	<b>Maintenance Action</b>
ASR	Low	Monitor
ASR	Medium	Slab Replacement
ASR	High	Slab Replacement
Blowup	Low	Slab Replacement
Blowup	Medium	Slab Replacement
Blowup	High	Slab Replacement
Corner Break	Low	Crack Seal—PCC
Corner Break	Medium	Full Depth PCC Patch
Corner Break	High	Full Depth PCC Patch
Durability Cracking	Low	Monitor
Durability Cracking	Medium	Full Depth Patch
Durability Cracking	High	Slab Replacement
Faulting	Low	Monitor
Faulting	Medium	Grinding
Faulting	High	Slab Replacement
Joint Seal Damage	Low	Monitor
Joint Seal Damage	Medium	Joint Seal
Joint Seal Damage	High	Joint Seal
LTD Cracking	Low	Monitor
LTD Cracking	Medium	Crack Seal—PCC
LTD Cracking	High	Slab Replacement
Patching (Small and Large)	Low	Monitor
Patching (Small and Large)	Medium	Full Depth PCC Patch
Patching (Small and Large)	High	Full Depth PCC Patch
Popouts	N/A	Monitor
Pumping	N/A	Monitor
Scaling	Low	Monitor
Scaling	Medium	Partial Depth PCC Patch
Scaling	High	Slab Replacement
Shattered Slab	Low	Crack Seal—PCC
Shattered Slab	Medium	Slab Replacement
Shattered Slab	High	Slab Replacement
Shrinkage Cracking	N/A	Monitor
Spalling (Joint and Corner)	Low	Monitor
Spalling (Joint and Corner)	Medium	Partial Depth PCC Patch
Spalling (Joint and Corner)	High	Partial Depth PCC Patch



Table E-3. 2022 unit costs for preventive maintenance actions.

Maintenance Action	Unit Cost
Asphalt Patch—Asphalt-Surfaced Pavement	\$14.66/sf
Crack Sealing—Asphalt-Surfaced Pavement	\$2.51/lf
Partial Depth PCC Patch—PCC Pavement	\$37.54/sf
Full Depth PCC Patch—PCC Pavement	\$16.76/sf
Crack Sealing—PCC Pavement	\$3.02/lf
Joint Sealing—PCC Pavement	\$3.02/lf
Grinding—PCC Pavement	\$0.36/sf
Slab Replacement—PCC Pavement	\$16.76/sf

Table E-4. 2022 unit costs (per square foot) based on pavement type and PCI ranges.

Pavement Type	PCI Range 0–40	PCI Range 40–50	PCI Range 50–60	PCI Range 60–70	PCI Range 70–80	PCI Range 80–90	PCI Range 90–100
AC	\$10.41	\$4.93	\$4.93	\$4.93	\$0.00	\$0.00	\$0.00
PCC	\$17.38	\$8.22	\$8.22	\$8.22	\$0.00	\$0.00	\$0.00

## **APPENDIX F**

# **YEAR 2022 LOCALIZED PREVENTIVE MAINTENANCE DETAILS**

Table F-1. Year 2022 localized preventive maintenance details.

Branch	Section	Distress Type	Severity	Distress Quantity	Distress Unit	Maintenance Action	Unit Cost	2022 Estimated Cost
A01CN	02	Corner Break	Low	1	Slabs	Crack Sealing - PCC	\$3.02	\$34
A01CN	02	Joint Seal Damage	Medium	83	Slabs	Joint Seal (Localized)	\$3.02	\$5,014
R03CN	01	LTD Cracking	Medium	30	Slabs	Crack Sealing - PCC	\$3.02	\$1,114
R03CN	01	Shattered Slab	Low	10	Slabs	Crack Sealing - PCC	\$3.02	\$742
R03CN	02	Corner Spalling	Medium	2	Slabs	Patching - PCC Partial Depth	\$37.54	\$162
R03CN	02	Joint Seal Damage	Medium	160	Slabs	Joint Seal (Localized)	\$3.02	\$11,023
R14CN	01	Corner Break	Medium	26	Slabs	Patching - PCC Full Depth	\$16.76	\$13,814
R14CN	01	Corner Spalling	Medium	9	Slabs	Patching - PCC Partial Depth	\$37.54	\$860
R14CN	01	Joint Seal Damage	Medium	1,021	Slabs	Joint Seal (Localized)	\$3.02	\$70,533
R14CN	01	Joint Seal Damage	High	408	Slabs	Joint Seal (Localized)	\$3.02	\$28,213
R14CN	01	Joint Spalling	Medium	17	Slabs	Patching - PCC Partial Depth	\$37.54	\$4,126
R14CN	01	LTD Cracking	Medium	34	Slabs	Crack Sealing - PCC	\$3.02	\$1,285
T01CN	02	Corner Break	Low	1	Slabs	Crack Sealing - PCC	\$3.02	\$25
T01CN	02	Joint Seal Damage	Medium	24	Slabs	Joint Seal (Localized)	\$3.02	\$1,366
T01CN	02	Small Patch	Medium	1	Slabs	Patching - PCC Full Depth	\$16.76	\$45
T01CN	03	LTD Cracking	Medium	3	Slabs	Crack Sealing - PCC	\$3.02	\$85
T02CN	01	Joint Seal Damage	Medium	136	Slabs	Joint Seal (Localized)	\$3.02	\$6,572
T02CN	01	Joint Spalling	Medium	2	Slabs	Patching - PCC Partial Depth	\$37.54	\$411
T03CN	01	Corner Spalling	Medium	3	Slabs	Patching - PCC Partial Depth	\$37.54	\$270

Table F-1. Year 2022 localized preventive maintenance details (continued).

Branch	Section	Distress Type	Severity	Distress Quantity	Distress Unit	Maintenance Action	Unit Cost	2022 Estimated Cost
T03CN	01	Joint Seal Damage	Medium	53	Slabs	Joint Seal (Localized)	\$3.02	\$2,463
T03CN	02	Joint Seal Damage	Medium	67	Slabs	Joint Seal (Localized)	\$3.02	\$3,236
T03CN	02	Small Patch	Medium	5	Slabs	Patching - PCC Full Depth	\$16.76	\$226
T03CN	03	Joint Seal Damage	Medium	175	Slabs	Joint Seal (Localized)	\$3.02	\$8,569
T03CN	03	Joint Spalling	Medium	1	Slabs	Patching - PCC Partial Depth	\$37.54	\$242
T03CN	04	Corner Break	Medium	1	Slabs	Patching - PCC Full Depth	\$16.76	\$657
T03CN	04	LTD Cracking	Medium	1	Slabs	Crack Sealing - PCC	\$3.02	\$34
T05CN	01	Corner Break	Low	2	Slabs	Crack Sealing - PCC	\$3.02	\$38
T05CN	01	Joint Seal Damage	Medium	146	Slabs	Joint Seal (Localized)	\$3.02	\$6,896
T05CN	01	LTD Cracking	Medium	2	Slabs	Crack Sealing - PCC	\$3.02	\$43
T06CN	01	Corner Break	Low	1	Slabs	Crack Sealing - PCC	\$3.02	\$25
T06CN	01	Joint Spalling	Medium	1	Slabs	Patching - PCC Partial Depth	\$37.54	\$246
T07CN	01	Joint Seal Damage	Medium	156	Slabs	Joint Seal (Localized)	\$3.02	\$7,613

## Table Notes:

1. See Figure 3 for the location of the branch and section.
2. Distress types are defined by ASTM D5340-20. L&T Cracking = Longitudinal and Transverse Cracking; LTD Cracking = Longitudinal, Transverse, and Diagonal Cracking; ASR = Alkali-Silica Reaction.
3. The costs provided are of a general nature for the entire state and may require adjustment to reflect specific conditions at Clinton Municipal Airport.



**PREPARED FOR**

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**JULY 2022**