Ankeny Regional Airport

Pavement Management Report

PREPARED BY

Applied Pavement Technology, Inc.
1908 South First Street, Suite 201
Champaign, Illinois 61820
(217) 398-3977
www.appliedpavement.com

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applied pavement TECHNOLOGY

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ANKENY REGIONAL AIRPORT
PAVEMENT MANAGEMENT REPORT

Prepared For:

Iowa Department of Transportation
Modal Transportation Bureau
800 Lincoln Way
Ames, Iowa 50010
515-239-1101
https://iowadot.gov/modes-travel/aviation

Prepared By:

Applied Pavement Technology, Inc.
1908 South First Street, Suite 201
Champaign, Illinois 61820
217-398-3977
https://www.appliedpavement.com

In Association With:

Robinson Engineering Company
Consulting Engineers
819 Second Street NE
Independence, Iowa 50644
319-334-7211

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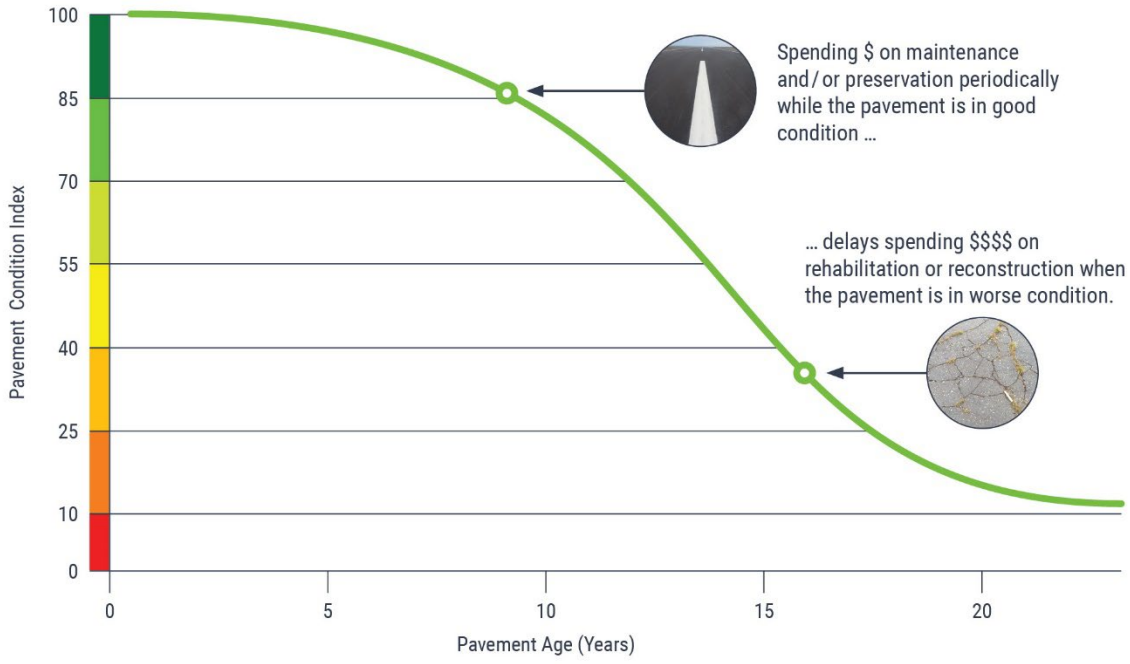
INTRODUCTION

Applied Pavement Technology, Inc. (APTech), with assistance from Robinson Engineering Company Consulting Engineers (Robinson), updated the Airport Pavement Management System (APMS) for the Iowa Department of Transportation, Modal Transportation Bureau (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 Ankeny Regional Airport were visually assessed in March 2025 using the Pavement Condition Index (PCI) procedure. During a PCI inspection, the types, severities, and amounts of distress present on the pavement surface 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 data and results are 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 Ankeny Regional Airport are presented within this report and can be used by Ankeny Regional 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 web-based interactive pavement data visualization tool IDEA, containing the information collected during this project, was updated and may be accessed from the Iowa DOT's website or directly (Iowa APMS IDEA).

PAVEMENT INVENTORY

The project began with a review of the existing inventory information pertaining to the pavements at Ankeny Regional 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 2021.

The pavement network at Ankeny Regional 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 1,900,200 square feet of pavement were evaluated at Ankeny Regional 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 Ankeny Regional Airport.

Figure 2. Pavement area by branch use at Ankeny Regional Airport.

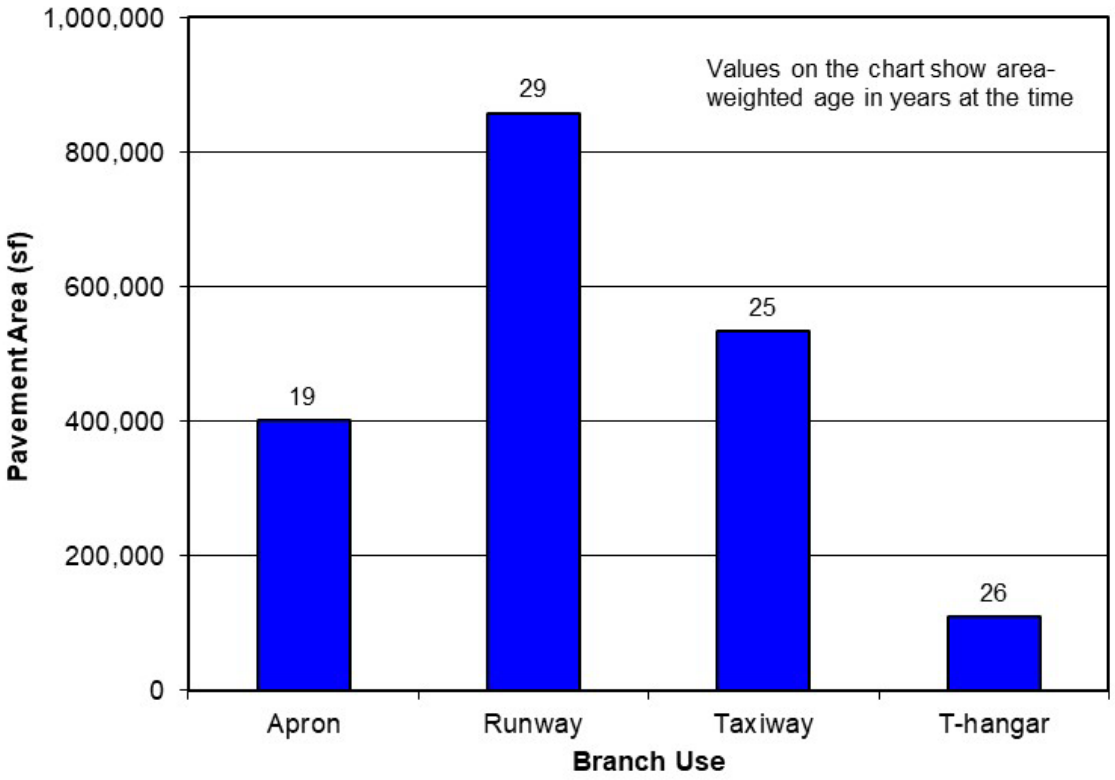
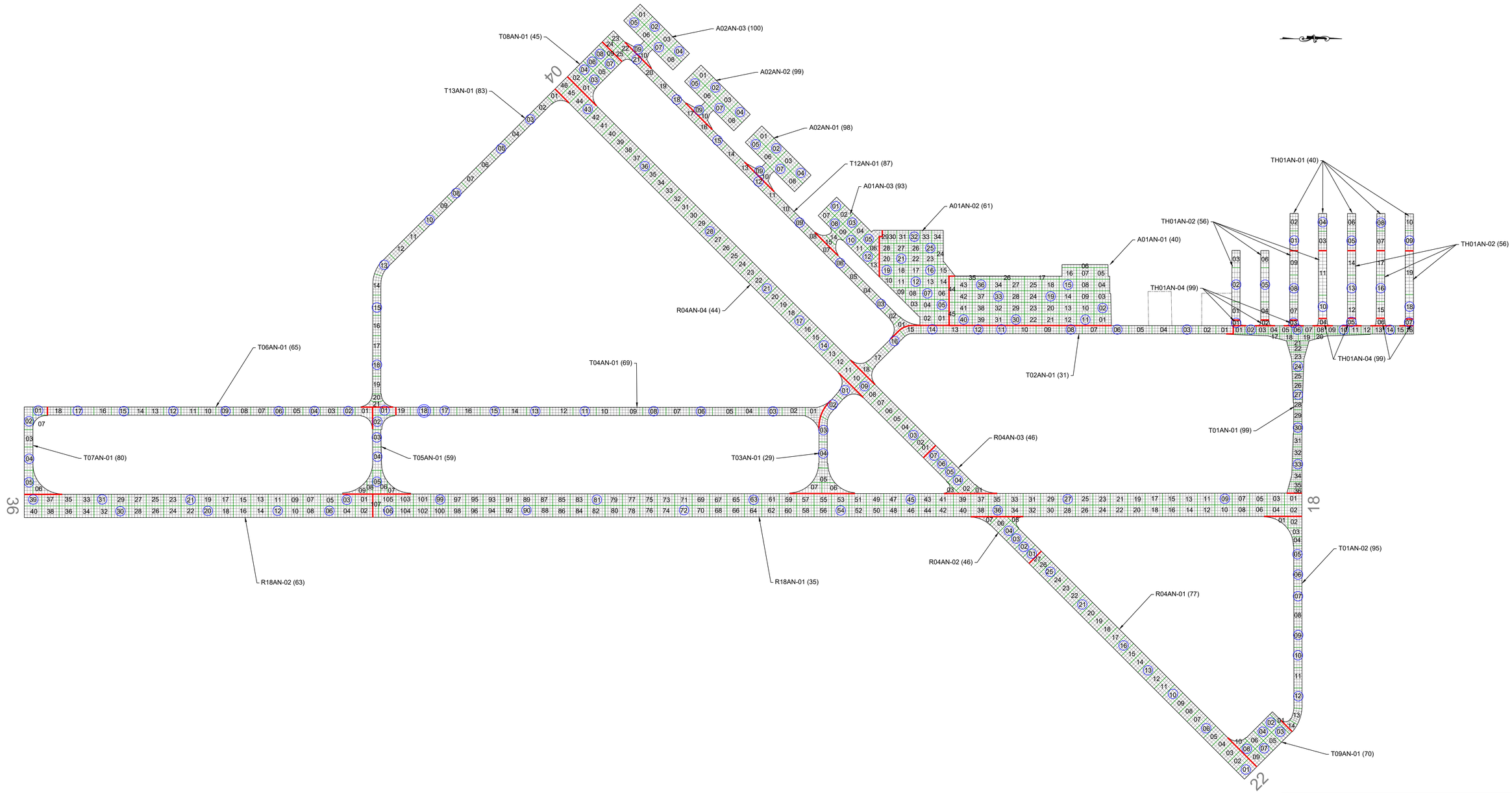


FIGURE 3. NETWORK DEFINITION MAP.



NETWORK DEFINITION LEGEND

R18AN-10 (78)
- BRANCH IDENTIFIER
- SECTION IDENTIFIER
- PCI VALUE

- SECTION BREAK LINE
- SAMPLE UNIT BREAK LINE
- SLAB JOINT
- 03 SAMPLE UNIT NUMBER
- (03) SAMPLE UNIT INSPECTED
- (03) ADDITIONAL SAMPLE UNIT

applied pavement TECHNOLOGY
1908 South First Street, Suite 201
Champaign, Illinois 61820
Tel: 217-398-3977
Fax: 217-398-4027

AGENCY:	Iowa Department of Transportation Modal Transportation Bureau - Aviation
LOCATION:	Ankeny Regional Airport Ankeny, Iowa
PAGE TITLE:	Network Definition Map

PROJECT DATE:	CREATION DATE:	PROJECT MANAGER:	JOB NUMBER:
NOV. 2024	NOV. 2024	LJR	2021-125-AM03
DRAWING SCALE:	LAST MODIFIED DATE:	REVISED BY:	DRAWN BY:
1"=200'	JUN. 2025	KEW	KEW
FILENAME: Ankeny.dwg		LAYOUT NAME/NUMBER: NET. DEF.	PAGE NUMBER: 5

PAVEMENT EVALUATION

Pavement Evaluation Procedure

APTech visually inspected the pavements at Ankeny Regional Airport using the PCI procedure described in:

- FAA Advisory Circular 150/5380-6C, *Guidelines and Procedures for Maintenance of Airport Pavements*.
- FAA Advisory Circular 150/5380-7B, *Airport Pavement Management Program (PMP)*.
- ASTM D5340, *Standard Test Method for Airport Pavement Condition Index Surveys*.

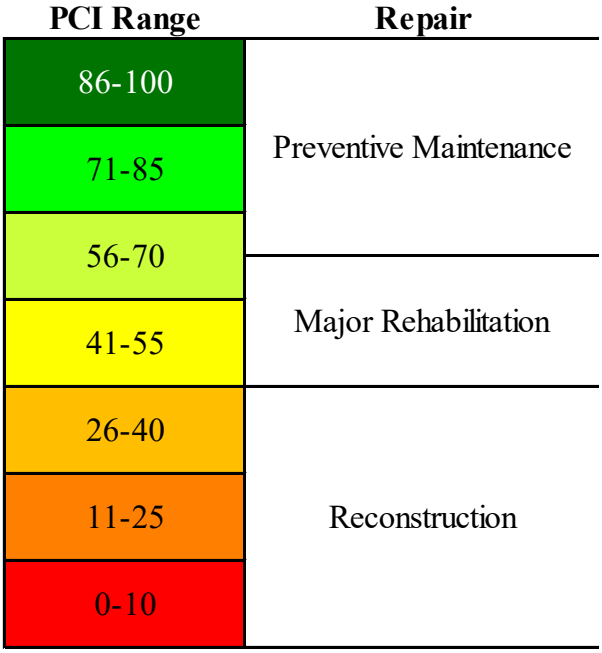
During the PCI inspection, a cursory inspection of the entirety of a pavement section was performed. Sample units identified for more detailed inspection were verified, and adjustments to the selected sample units for inspection were made as needed to ensure an accurate assessment of the pavement's condition. Data pertaining to the types, severities, and quantities of observed pavement distresses were then collected within each sample unit. These data were then used to calculate the composite PCI of each pavement section. The PCI provides a numerical indication of overall pavement condition, as illustrated in Figure 4. 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 with no visible signs of deterioration. 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.

Note: Photographs shown are not specific to Ankeny Regional 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.



The types of distress identified during the PCI inspection provide insight into the cause of pavement deterioration, which is useful when selecting M&R strategies. Understanding the cause of distress helps in selecting a rehabilitation alternative that corrects the cause and thus eliminates or delays its recurrence. PCI distress types are characterized as:

- Load-related—These distress types are defined as being caused by aircraft or vehicular traffic and may indicate a structural deficiency. Examples of load-related distress include alligator cracking on asphalt-surfaced pavements and corner breaks on portland cement concrete (PCC) pavements.
- Climate/durability-related—These distress types often signify the presence of aged or environmentally susceptible (or both) material and include durability-related issues. Examples of climate/durability-related distress include weathering on asphalt-surfaced pavements, which is climate-related, and durability cracking on PCC pavements, which is durability-related.
- Other—Distress types that fall into this category cannot be attributed solely to load or climate/durability. Examples of this type of distress include depressions on asphalt-surfaced pavements and shrinkage cracking on PCC pavements.

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 Ankeny Regional Airport were inspected in March 2025. The 2025 area-weighted condition of Ankeny Regional Airport is 58, with conditions ranging from 29 to 100 (on a scale of 0 [failed] to 100 [excellent]). During the previous pavement inspection in 2021, the area-weighted PCI of the airport was 75.

Figure 6 summarizes the overall condition of the pavements at Ankeny Regional 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 Ankeny Regional Airport.

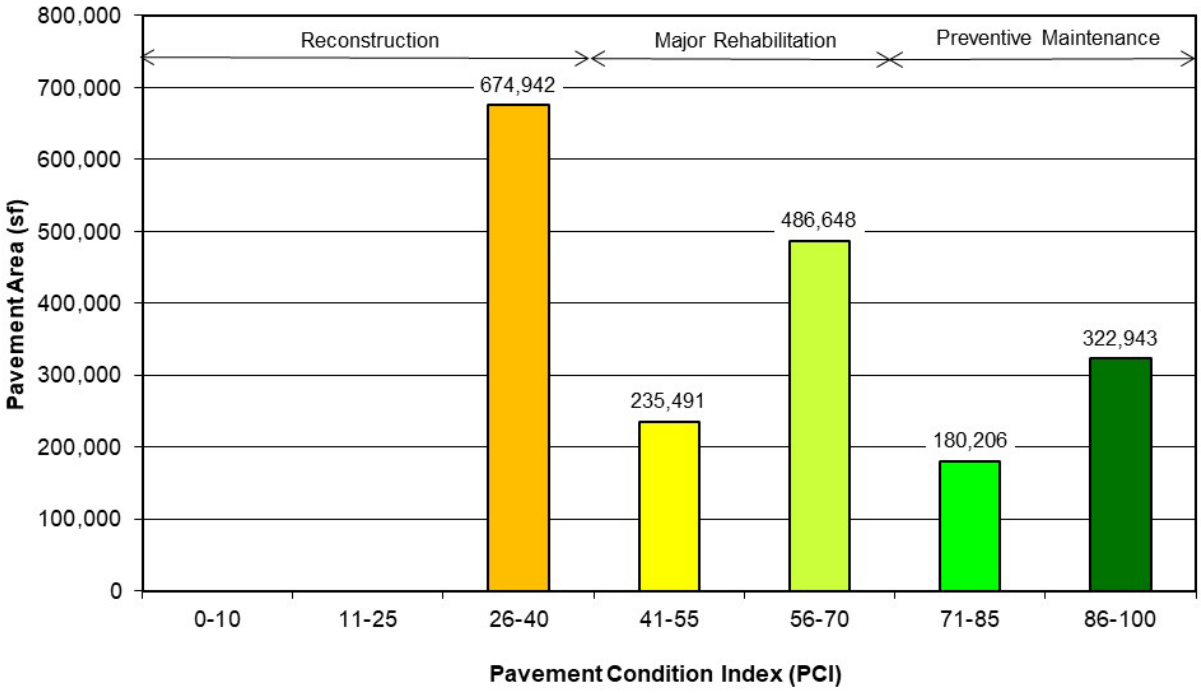


Figure 7. Area-weighted PCI by branch use at Ankeny Regional Airport.

(Values on chart are area weighted.)

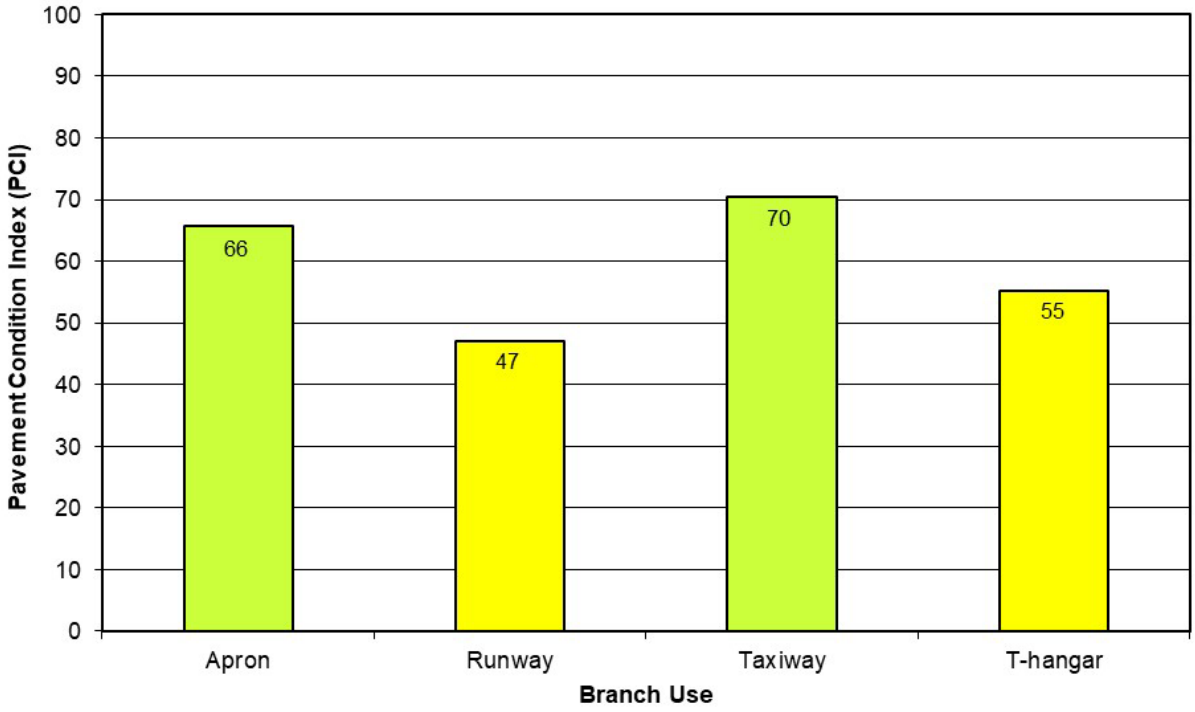
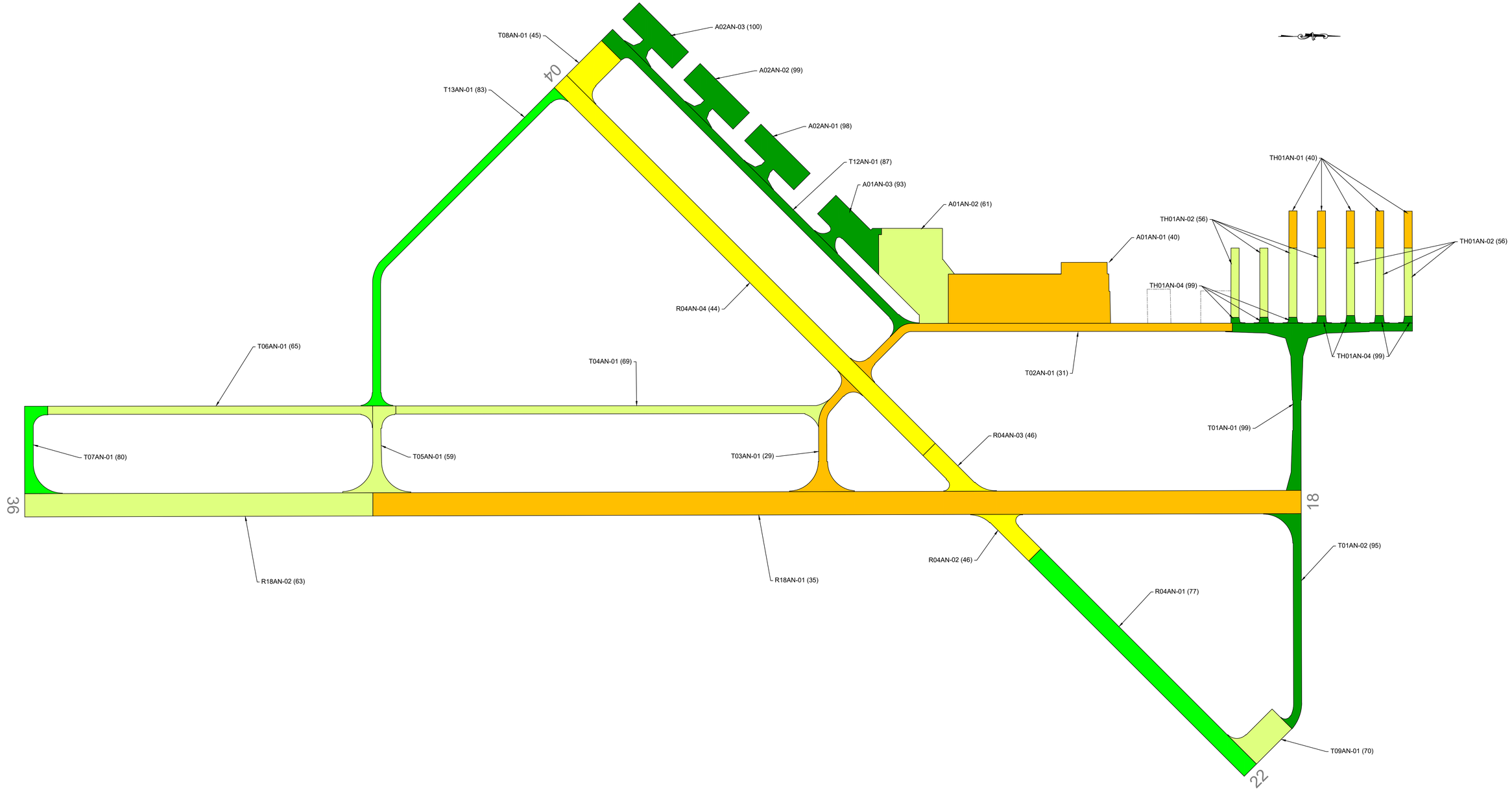


FIGURE 8. PCI MAP.



LEGEND

RW1533AL-10 (77)

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

applied pavement TECHNOLOGY
1908 South First Street, Suite 201
Champaign, Illinois 61820
Tel: 217-398-3977
Fax: 217-398-4027

Robinson Engineering Company
Consulting Engineers
819 Second Street NE
Independence, IA 50644
Tel: (563) 920-5382

AGENCY: Iowa Department of Transportation Modal Transportation Bureau - Aviation			
LOCATION: Ankeny Regional Airport Ankeny, Iowa			
PAGE TITLE: 2025 Pavement Condition Index Map			
PROJECT DATE: NOV. 2024	CREATION DATE: NOV. 2024	PROJECT MANAGER: LJR	JOB NUMBER: 2021-125-AM03
DRAWING SCALE: 1"=200'	LAST MODIFIED DATE: JUN. 2025	REVISED BY: KEW	DRAWN BY: KEW
FILENAME: Ankeny.dwg		LAYOUT NAME/NUMBER: PCI	PAGE NUMBER: 10

Table 1. 2025 pavement evaluation results.

Branch	Section	Surface Type	Section Area (sf)	LCD	2025 PCI	% Distress Due to Load	% Distress Due to Climate/ Durability	% Distress Due to Other	Type of Distress
A01AN	01	PCC	159,078	10/31/1993	40	18	15	67	Large Patch, LTD Cracking, Popouts, Shattered Slab, Shrinkage Cracking, Small Patch, ASR, Corner Spalling, Faulting, Joint Spalling, Joint Seal Damage
A01AN	02	PCC	97,192	6/1/2006	61	5	18	77	ASR, Joint Spalling, Joint Seal Damage, LTD Cracking, Popouts, Shrinkage Cracking
A01AN	03	PCC	40,780	7/1/2017	93	0	100	0	Joint Seal Damage
A02AN	01	PCC	34,619	4/3/2021	98	0	100	0	Joint Seal Damage
A02AN	02	PCC	34,619	10/3/2021	99	0	100	0	Joint Seal Damage
A02AN	03	PCC	34,507	8/3/2024	100	0	0	0	No Distress
R04AN	01	PCC	98,351	10/30/1999	77	0	48	52	ASR, Corner Spalling, Faulting, Joint Spalling, Joint Seal Damage, Large Patch, Small Patch
R04AN	02	PCC	20,118	10/31/1993	46	0	21	79	ASR, Corner Spalling, Joint Spalling, Joint Seal Damage, Large Patch, Popouts, Small Patch
R04AN	03	PCC	20,724	10/31/1993	46	0	21	79	ASR, Corner Spalling, Joint Spalling, Joint Seal Damage, Popouts, Small Patch
R04AN	04	PCC	168,335	10/30/1999	44	3	21	76	ASR, Corner Spalling, Faulting, Joint Spalling, Joint Seal Damage, Large Patch, LTD Cracking, Small Patch
R18AN	01	PCC	400,043	10/31/1993	35	18	16	66	ASR, Corner Break, Corner Spalling, Faulting, Joint Spalling, Joint Seal Damage, Large Patch, LTD Cracking, Shrinkage Cracking, Small Patch
R18AN	02	PCC	150,023	10/31/1998	63	11	28	61	ASR, Corner Spalling, Faulting, Joint Spalling, Joint Seal Damage, LTD Cracking, Small Patch

Table 1. 2025 pavement evaluation results (continued).

Branch	Section	Surface Type	Section Area (sf)	LCD	2025 PCI	% Distress Due to Load	% Distress Due to Climate/ Durability	% Distress Due to Other	Type of Distress
T01AN	01	PCC	65,478	6/3/2020	99	0	100	0	Joint Seal Damage
T01AN	02	PCC	36,712	6/1/2002	95	0	100	0	Joint Seal Damage
T02AN	01	PCC	59,983	10/31/1993	31	22	6	72	ASR, Corner Break, Corner Spalling, Faulting, Joint Spalling, Joint Seal Damage, Large Patch, LTD Cracking, Popouts, Small Patch
T03AN	01	PCC	27,867	10/31/1993	29	25	15	60	ASR, Corner Break, Joint Seal Damage, LTD Cracking, Small Patch
T04AN	01	PCC	64,988	10/3/1993	69	0	38	62	ASR, Joint Seal Damage, Small Patch
T05AN	01	PCC	25,338	10/31/1993	59	19	12	69	ASR, Corner Break, Joint Spalling, Joint Seal Damage, LTD Cracking
T06AN	01	PCC	50,244	10/31/1998	65	22	30	48	ASR, Corner Break, Faulting, Joint Seal Damage, Large Patch, LTD Cracking, Small Patch
T07AN	01	PCC	20,730	10/30/1998	80	14	24	62	ASR, Corner Break, Corner Spalling, Faulting, Joint Seal Damage, Large Patch, Small Patch
T08AN	01	PCC	26,314	10/30/1998	45	5	21	74	ASR, Corner Spalling, Joint Spalling, Joint Seal Damage, Large Patch, LTD Cracking, Popouts, Small Patch
T09AN	01	PCC	26,675	10/30/1998	70	6	16	78	ASR, Corner Spalling, Faulting, Joint Seal Damage, Large Patch, LTD Cracking, Small Patch
T12AN	01	PCC	67,840	6/1/2002	87	13	73	14	Corner Spalling, Faulting, Joint Seal Damage, Large Patch, LTD Cracking
T13AN	01	PCC	61,125	6/1/2003	83	0	55	45	ASR, Corner Spalling, Joint Seal Damage
TH01AN	01	PCC	27,971	7/2/2004	40	19	17	64	ASR, Corner Break, Corner Spalling, Joint Spalling, Joint Seal Damage, LTD Cracking, Popouts, Shrinkage Cracking, Small Patch

Table 1. 2025 pavement evaluation results (continued).

Branch	Section	Surface Type	Section Area (sf)	LCD	2025 PCI	% Distress Due to Load	% Distress Due to Climate/ Durability	% Distress Due to Other	Type of Distress
TH01AN	02	PCC	72,188	1/1/1995	56	46	21	33	ASR, Corner Break, Corner Spalling, Joint Spalling, Joint Seal Damage, Large Patch, LTD Cracking, Popouts, Shattered Slab, Shrinkage Cracking, Small Patch
TH01AN	04	PCC	8,388	6/3/2020	99	0	100	0	Joint Seal Damage

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. L&T cracking = longitudinal and transverse cracking; LTD cracking = longitudinal, transverse, and diagonal cracking; ASR = alkali-silica reaction.

Inspection Comments

Ankeny Regional Airport was inspected on March 12-13, 2025. There were 27 pavement sections defined during the inspection. Alkali-silica reaction (ASR) was recorded at this airport according to the PCI procedure. The ASR was recorded where evidence of a precipitate was observed within some of the cracking in the PCC surface. 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 04/22 consisted of four sections. Section 01 was defined as the eastern portion of the runway, and multiple distresses were recorded at the time of inspection including low-severity ASR, large patching, and faulting; low- and medium-severity small patching and corner spalling; medium- and high-severity joint seal damage; and all severities of joint spalling. Sections 02 and 03 were located adjacent to Runway 18/36 and were in similar condition. Low- and medium-severity ASR, medium-severity corner spalling, medium- and high-severity joint seal damage, popouts, and low-severity small patching were identified in both sections. Additionally, medium-severity joint spalling and low-severity large patching were observed in Section 02, while high-severity ASR and low-severity joint spalling were recorded in Section 03. Section 04 was the western portion of the runway. All severities of ASR; low-severity faulting; medium- and high-severity joint seal damage; low- and medium-severity large patching and small patching; and medium-severity corner spalling, joint spalling, and longitudinal, transverse, and diagonal (LTD) cracking were observed at the time of the inspection.

Runway 18/36 contained two sections. Section 01 comprised most of the runway and was in *Poor* condition. Various distresses were identified in Section 01 including all severities of ASR; medium-severity corner break and joint spalling; medium- and high-severity corner spalling and joint seal damage; low-severity faulting; low- and medium-severity large patching, small patching, and LTD cracking; and shrinkage cracking. Section 02 was defined as the southern portion of the runway. Low- and medium-severity ASR, all severities of corner spalling, low-severity faulting and small patching, medium- and high-severity joint seal damage, and medium-severity joint spalling and LTD cracking were recorded in Section 02 during the inspection.

Taxiways

Taxiway 01 consisted of two sections in *Excellent* condition. Low-severity joint seal damage was identified in Section 01, while low- and medium-severity joint seal damage were recorded in Section 02.

Taxiway 02 was defined by one section in *Poor* condition. Distresses identified during the inspection included all severities of ASR; low- and medium-severity corner break, large patching, small patching, joint spalling, and corner spalling; low-severity faulting; medium-severity joint seal damage and LTD cracking; and popouts.

Taxiway 03 contained one section that was in *Poor* condition. All severities of ASR and small patching, low-severity corner break, medium- and high-severity joint seal damage, and low- and medium-severity LTD cracking were identified in Section 01.

Taxiway 04 was defined by one section. In Section 01, low- and medium-severity ASR and joint seal damage were recorded at the time of the inspection. An area with high-severity small patching and joint seal damage was identified and recorded as an additional sample unit in accordance with ASTM D5340.

Taxiway 05 consisted of one section with low- and medium-severity ASR; medium-severity corner break, LTD cracking, and joint seal damage; and low-severity joint spalling recorded during the inspection.

Taxiway 06 contained one section. Multiple distresses were identified including low- and medium-severity ASR and LTD cracking, high-severity corner break, low-severity faulting and large patching, medium- and high-severity joint seal damage, and medium-severity small patching.

Taxiway 07 consisted of one section. Low- and medium-severity ASR; medium-severity corner break, joint seal damage, and corner spalling; low-severity faulting and large patching; and high-severity small patching were recorded in Section 01 during the inspection.

Taxiway 08 was defined by one section. Low- and medium-severity ASR, large patching, and corner spalling; medium- and high-severity joint seal damage; low- and high-severity joint spalling; medium-severity LTD cracking; popouts; and low-severity small patching were recorded in Section 01 at the time of the inspection.

Taxiway 09 consisted of one section. Various distresses were identified including low- and medium-severity ASR, corner spalling, and faulting; medium-severity joint seal damage and LTD cracking; low-severity large patching; and low- and high-severity small patching.

Taxiway 12 was defined by one section. Areas of medium-severity corner spalling and LTD cracking and low-severity faulting and large patching were recorded in Section 01 along with medium- and high-severity joint seal damage.

Taxiway 13 contained one section with low- and medium-severity ASR, low-severity corner spalling, and high-severity joint seal damage observed during the inspection.

Aprons

Apron 01 consisted of three sections. Notable amounts of low- and medium-severity ASR were identified in Section 01 along with smaller quantities of high-severity ASR. Other distresses recorded in Section 01 included medium- and high-severity corner spalling, joint spalling and joint seal damage; low-severity faulting and small patching; high-severity large patching; low- and medium-severity LTD cracking and shattered slab; popouts; and shrinkage cracking. In Section 02, low- and medium-severity ASR and joint spalling, high-severity joint seal damage, medium-severity LTD cracking, popouts, and shrinkage cracking were observed. Medium-severity joint seal damage was recorded throughout Section 03 during the inspection.

Apron 02 contained three sections in *Excellent* condition. Low-severity joint seal damage was identified in Sections 01 and 02. Section 03 was recently constructed and had no distress recorded at the time of the inspection.

T-Hangar

The T-hangar area consisted of three sections. Multiple distresses were recorded in Section 01 during the inspection. These distresses included low- and medium-severity ASR, joint spalling, small patching, and LTD cracking; medium-severity corner break; all severities of corner spalling; medium- and high-severity joint seal damage; popouts; and shrinkage cracking. In Section 02, distresses recorded included low-severity ASR and large patching; medium-severity corner break, shattered slab, and joint spalling; all severities of corner spalling; medium- and high-severity joint seal damage; low- and medium-severity LTD cracking and small patching; popouts; and shrinkage cracking. Section 04 was in *Excellent* condition with low-severity joint seal damage observed during the inspection.

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 Ankeny Regional 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 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 adjustments to reflect specific conditions at Ankeny Regional 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, 2025, and an inflation rate of 2.3 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 (2025) 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 2026 or 2027, then localized preventive maintenance was not recommended for 2025. While localized preventive maintenance should be an annual undertaking at Ankeny Regional 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 2025 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 Ankeny Regional Airport is presented in Table 2. Detailed information on the recommended localized preventive maintenance plan for 2025 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
2025	A01AN	01	PCC	Major Rehabilitation	$3,000,250
2025	A01AN	02	PCC	Preventive Maintenance	$227,044
2025	A01AN	03	PCC	Preventive Maintenance	$22,726
2025	R04AN	01	PCC	Preventive Maintenance	$60,754
2025	R04AN	02	PCC	Major Rehabilitation	$280,838
2025	R04AN	03	PCC	Major Rehabilitation	$289,297
2025	R04AN	04	PCC	Major Rehabilitation	$2,684,546
2025	R18AN	01	PCC	Major Rehabilitation	$7,544,909
2025	R18AN	02	PCC	Major Rehabilitation	$1,338,148
2025	T01AN	02	PCC	Preventive Maintenance	$10,893
2025	T02AN	01	PCC	Major Rehabilitation	$1,131,294
2025	T03AN	01	PCC	Major Rehabilitation	$525,578
2025	T04AN	01	PCC	Preventive Maintenance	$83,790
2025	T05AN	01	PCC	Major Rehabilitation	$226,005
2025	T07AN	01	PCC	Preventive Maintenance	$19,976
2025	T08AN	01	PCC	Major Rehabilitation	$391,657
2025	T09AN	01	PCC	Preventive Maintenance	$24,025
2025	T12AN	01	PCC	Preventive Maintenance	$31,666
2025	T13AN	01	PCC	Preventive Maintenance	$49,519
2025	TH01AN	01	PCC	Major Rehabilitation	$527,540
2026	TH01AN	02	PCC	Major Rehabilitation	$658,727
2027	T06AN	01	PCC	Major Rehabilitation	$469,030
2028	A01AN	02	PCC	Major Rehabilitation	$928,159
2029	T04AN	01	PCC	Major Rehabilitation	$634,893
2029	T09AN	01	PCC	Major Rehabilitation	$260,598
				Total Estimated Cost:	**$21,422,000**

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 adjustments to reflect specific conditions at Ankeny Regional Airport.

The recommendations made in this report are based on a broad network-level analysis and meant to provide Ankeny Regional 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 Ankeny Regional 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, Ankeny Regional 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 because of these inspections. This documentation needs 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 for extending the life of the pavement system.
5. Ensure all edges of pavement maintain the required 1.5-inch lip. This enables the water to drain away from the pavement system.
6. Closely monitor the movement of heavy equipment (particularly farming, construction, mowing, 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 Ankeny Regional 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, Ankeny Regional 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. 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 text is a direct quotation from the FAA Advisory Circular.

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

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 Ankeny Regional 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 provided in 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 Ankeny Regional Airport is listed in Table 1 of this report and is also stored in the PAVER database. Any changes to the 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 Ankeny Regional 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: _____

Branch	Section	Distress Description/Dimensions/Severity/ Recommended Action	Description of Repair	Date Performed	Cost	Funding Source
A01AN	01					
A01AN	02					
A01AN	03					
A02AN	01					
A02AN	02					
A02AN	03					

Table 3. Pavement inspection report (continued).

Inspected By: _____

Date Inspected: _____

Branch	Section	Distress Description/Dimensions/Severity/ Recommended Action	Description of Repair	Date Performed	Cost	Funding Source
R04AN	01					
R04AN	02					
R04AN	03					
R04AN	04					
R18AN	01					
R18AN	02					

Table 3. Pavement inspection report (continued).

Inspected By: _____

Date Inspected: _____

Branch	Section	Distress Description/Dimensions/Severity/ Recommended Action	Description of Repair	Date Performed	Cost	Funding Source
T01AN	01					
T01AN	02					
T02AN	01					
T03AN	01					
T04AN	01					
T05AN	01					

Table 3. Pavement inspection report (continued).

Inspected By: _____

Date Inspected: _____

Branch	Section	Distress Description/Dimensions/Severity/ Recommended Action	Description of Repair	Date Performed	Cost	Funding Source
T06AN	01					
T07AN	01					
T08AN	01					
T09AN	01					
T12AN	01					
T13AN	01					

Table 3. Pavement inspection report (continued).

Inspected By: _____

Date Inspected: _____

Branch	Section	Distress Description/Dimensions/Severity/ Recommended Action	Description of Repair	Date Performed	Cost	Funding Source
TH01AN	01					
TH01AN	02					
TH01AN	04					

Table Note: See Figure 3 for the location of the branch and section.

SUMMARY

This report documents the results of the pavement evaluation conducted at Ankeny Regional Airport. A visual inspection of the pavements in 2025 found that the overall condition of the pavement network is a PCI of 58. A 5-year pavement repair program, shown in Table 2, was generated for Ankeny Regional Airport, which revealed that approximately $21,422,000 needs to be expended on M&R. Ankeny Regional Airport should utilize these study results to assist in planning for future maintenance needs as part of the airport CIP planning process.

REFERENCES

ASTM International (ASTM). *Standard Test Method for Airport Pavement Condition Index Surveys*. D5340. ASTM International, West Conshohocken, PA.

Federal Aviation Administration Authorization Act of 1994. Public Law No. 103-305. Vol 108 Stat. 1569. 1994.

Federal Aviation Administration (FAA). *Guidelines and Procedures for Maintenance of Airport Pavements*. Advisory Circular 150/5380-6C. Federal Aviation Administration, Washington, DC.

Federal Aviation Administration (FAA). *Airport Pavement Management Program (PMP)*. Advisory Circular 150/5380-7B. Federal Aviation Administration, Washington, DC.

US Army Corps of Engineers (USACE). 2009. *Asphalt Surfaced Airfields. PAVER Distress Identification Manual.* USACE, Washington, DC.

US Army Corps of Engineers (USACE). 2009. *Concrete Surfaced Airfields. PAVER Distress Identification Manual.* USACE, Washington, DC.

US Army Corps of Engineers (USACE). 2021. PAVER. (Software). US Army Corps of Engineers, Transportation Systems Center, Omaha, NE.

APPENDIX A

CAUSE OF DISTRESS TABLES

Table A-1. Cause of pavement distress, asphalt-surfaced pavements (USACE 2009a).

Distress Type	Probable Cause of Distress
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 (USACE 2009b).

Distress Type	Probable Cause of Distress
ASR	Chemical reaction of alkalis in the 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

A01AN-01. Overview.

A01AN-01. ASR (Sample Unit No. 40).

A01AN-01. LTD Cracking (Sample Unit No. 36).

A01AN-01. Popouts (Sample Unit No. 33).

A01AN-01. Shattered Slab (Sample Unit No. 36) (1).

A01AN-01. Shattered Slab (Sample Unit No. 36) (2).

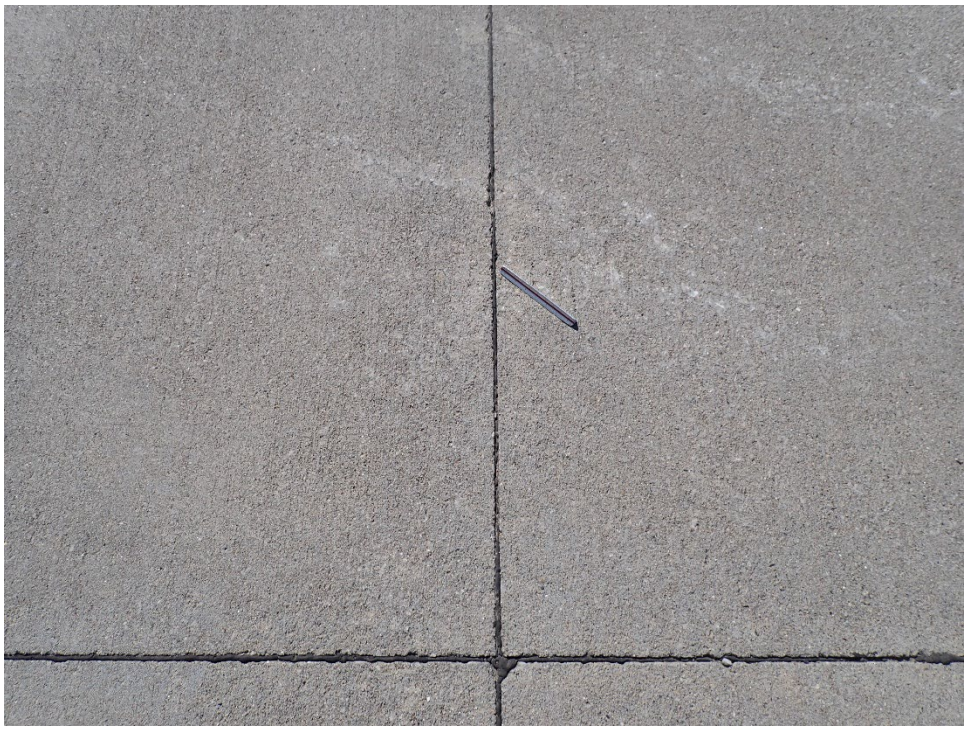
A01AN-02. Overview.

A01AN-02. ASR (Sample Unit No. 05).

A01AN-02. Popouts (Sample Unit No. 05).

A01AN-03. Overview.

A01AN-03. Joint Seal Damage (Sample Unit No. 08).



A02AN-01. Overview.

A02AN-01. Joint Seal Damage (Sample Unit No. 09).

A02AN-02. Overview.

A02AN-02. Joint Seal Damage (Sample Unit No. 09).

A02AN-03. Overview.

R04AN-01. Overview.

R04AN-01. Corner Spalling (Sample Unit No. 13).

R04AN-01. Joint Spalling (Sample Unit No. 21).

R04AN-02. Overview.

R04AN-02. ASR (Sample Unit No. 04).

R04AN-02. Joint Seal Damage (Sample Unit No. 04).

R04AN-02. Popouts (Sample Unit No. 03).

R04AN-02. Popouts (Sample Unit No. 04).

R04AN-03. ASR (Sample Unit No. 05).

R04AN-03. Popouts (Sample Unit No. 05).

R04AN-04. Overview.

R04AN-04. ASR (Sample Unit No. 09).

R04AN-04. ASR (Sample Unit No. 43).

R04AN-04. Joint Seal Damage (Sample Unit No. 28).

R18AN-01. Overview (1).

R18AN-01. Overview (2).

R18AN-01. ASR (Sample Unit No. 54).

R18AN-01. ASR (Sample Unit No. 63).

R18AN-01. LTD Cracking (Sample Unit No. 63).

R18AN-01. LTD Cracking (Sample Unit No. 99).

R18AN-02. Overview.

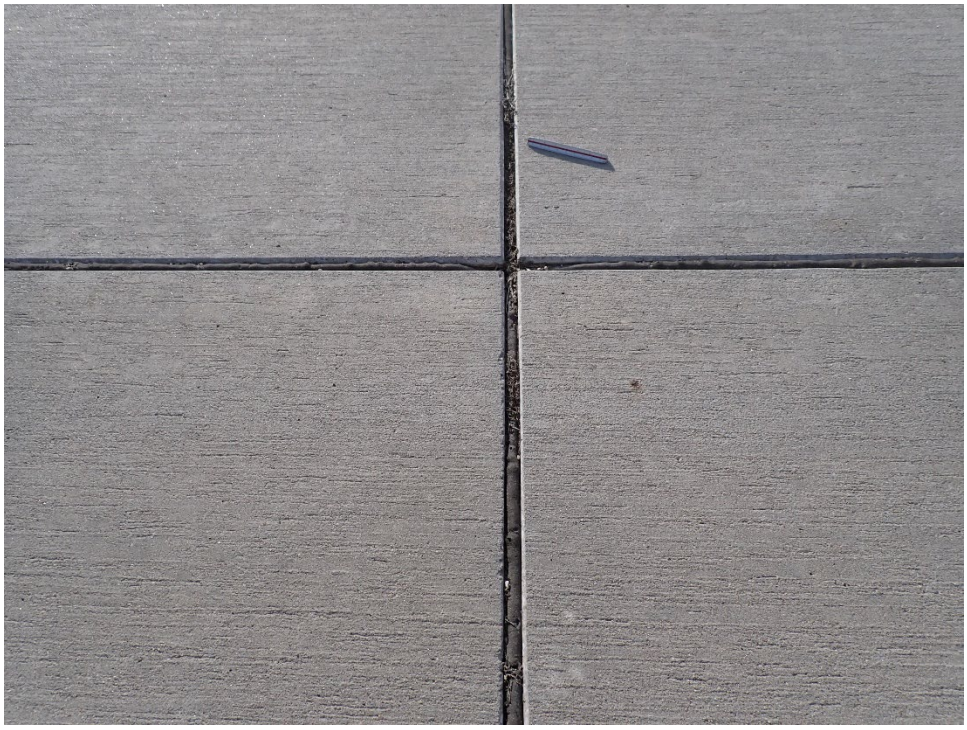
R18AN-02. Joint Seal Damage (Sample Unit No. 31).

R18AN-02. LTD Cracking (Sample Unit No. 31).

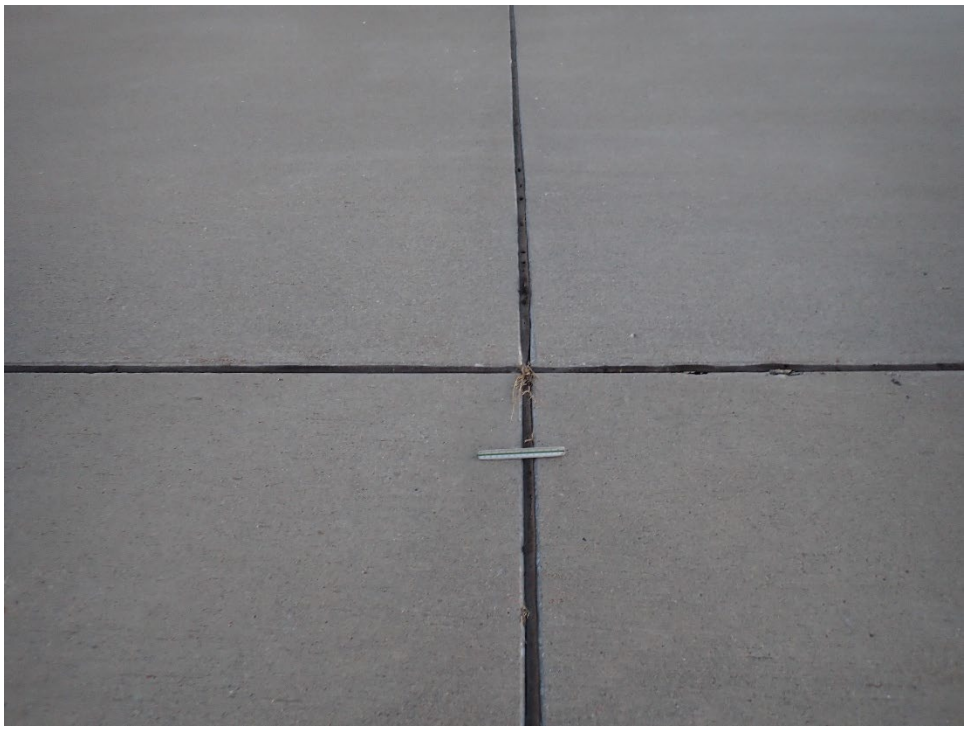
T01AN-01. Overview.

T01AN-01. Joint Seal Damage (Sample Unit No. 10).

T01AN-01. Joint Seal Damage (Sample Unit No. 14).



T01AN-01. Joint Seal Damage (Sample Unit No. 33).



T02AN-01. Overview.

T02AN-01. ASR (Sample Unit No. 03).

T02AN-01. ASR (Sample Unit No. 06).

T02AN-01. Faulting (Sample Unit No. 12).

T02AN-01. LTD Cracking (Sample Unit No. 03).

T02AN-01. Popouts (Sample Unit No. 06).

T03AN-01. Overview.

T03AN-01. ASR (Sample Unit No. 01).

T03AN-01. ASR (Sample Unit No. 03).

T03AN-01. ASR (Sample Unit No. 04).

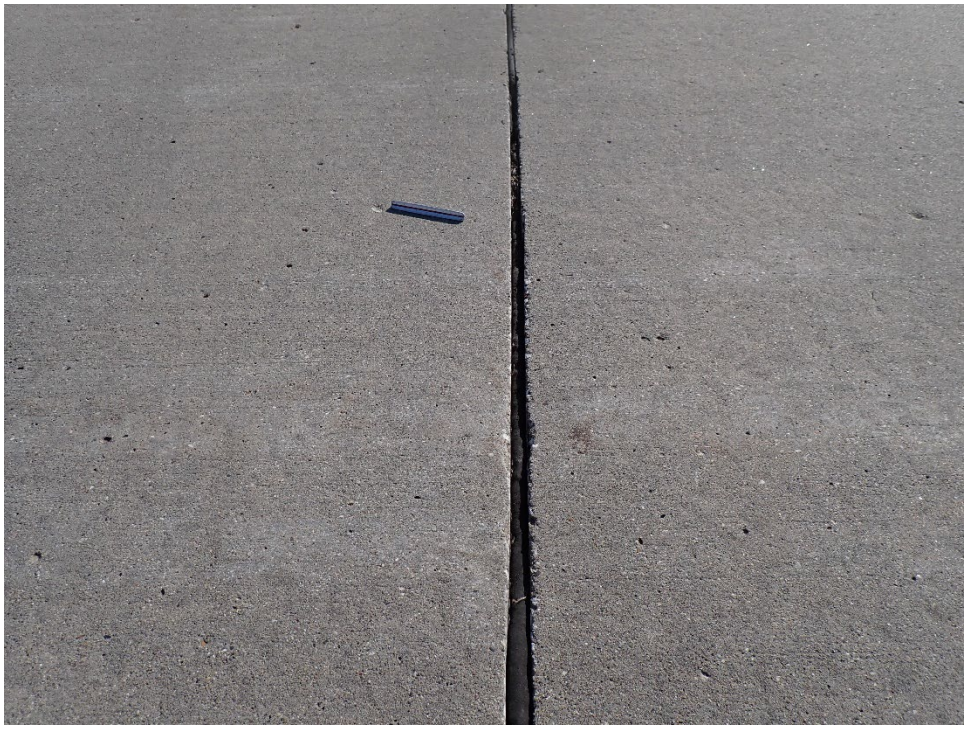
T03AN-01. LTD Cracking (Sample Unit No. 01).

T03AN-01. LTD Cracking (Sample Unit No. 04).

T04AN-01. Overview.

T04AN-01. ASR (Sample Unit No. 03).

T04AN-01. Joint Seal Damage (Sample Unit No. 03).



T04AN-01. Small Patching (Additional Sample Unit No. 18).

T05AN-01. Overview.

T05AN-01. ASR (Sample Unit No. 01).

T05AN-01. ASR (Sample Unit No. 05).

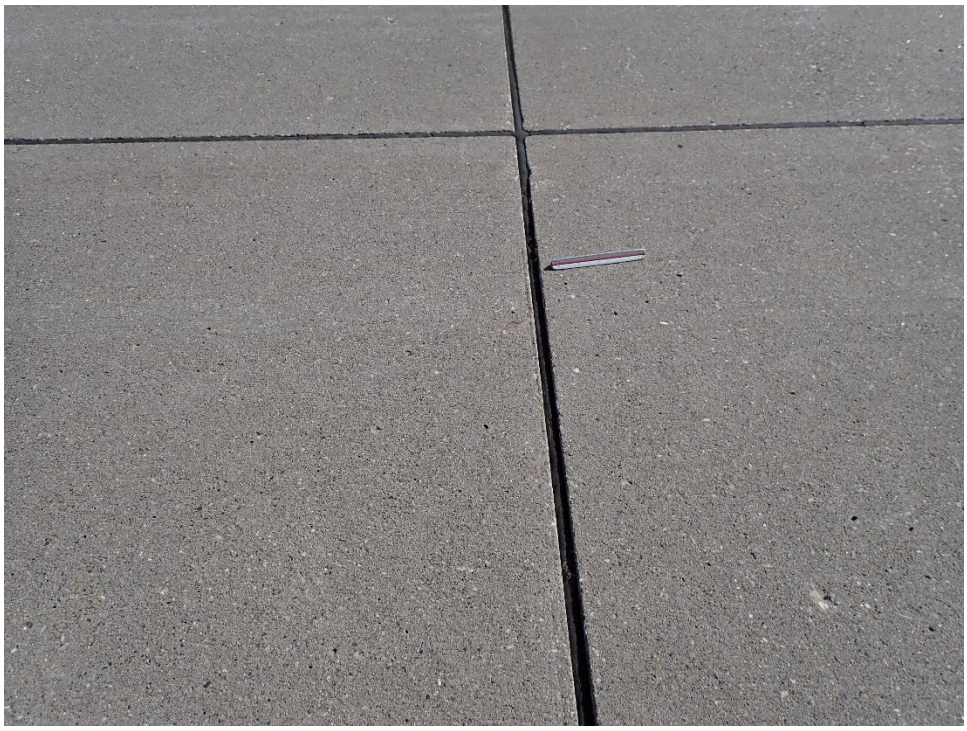
T05AN-01. LTD Cracking (Sample Unit No. 05).

T06AN-01. Overview.

T06AN-01. ASR (Sample Unit No. 02).

T06AN-01. Corner Break (Sample Unit No. 02).

T06AN-01. Joint Seal Damage (Sample Unit No. 02).



T06AN-01. LTD Cracking (Sample Unit No. 15).

T06AN-01. Large Patching (Sample Unit No. 12).

T07AN-01. Overview.

T07AN-01. Corner Break (Sample Unit No. 04).

T07AN-01. Small Patching (Sample Unit No. 04).

T08AN-01. Overview.

T08AN-01. ASR (Sample Unit No. 04).

T08AN-01. ASR (Sample Unit No. 06).

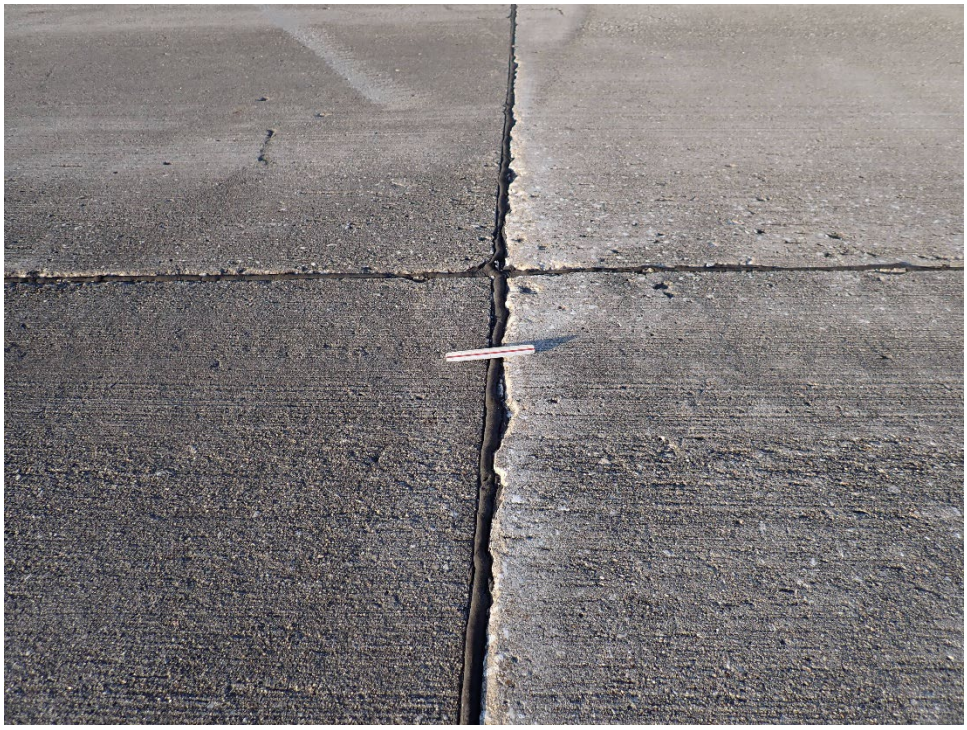
T08AN-01. LTD Cracking (Sample Unit No. 03).

T08AN-01. Small Patching (Sample Unit No. 04).

T09AN-01. Overview.

T09AN-01. ASR (Sample Unit No. 02).

T09AN-01. Faulting (Sample Unit No. 04).



T09AN-01. Faulting (Sample Unit No. 07).

T12AN-01. Overview (1).

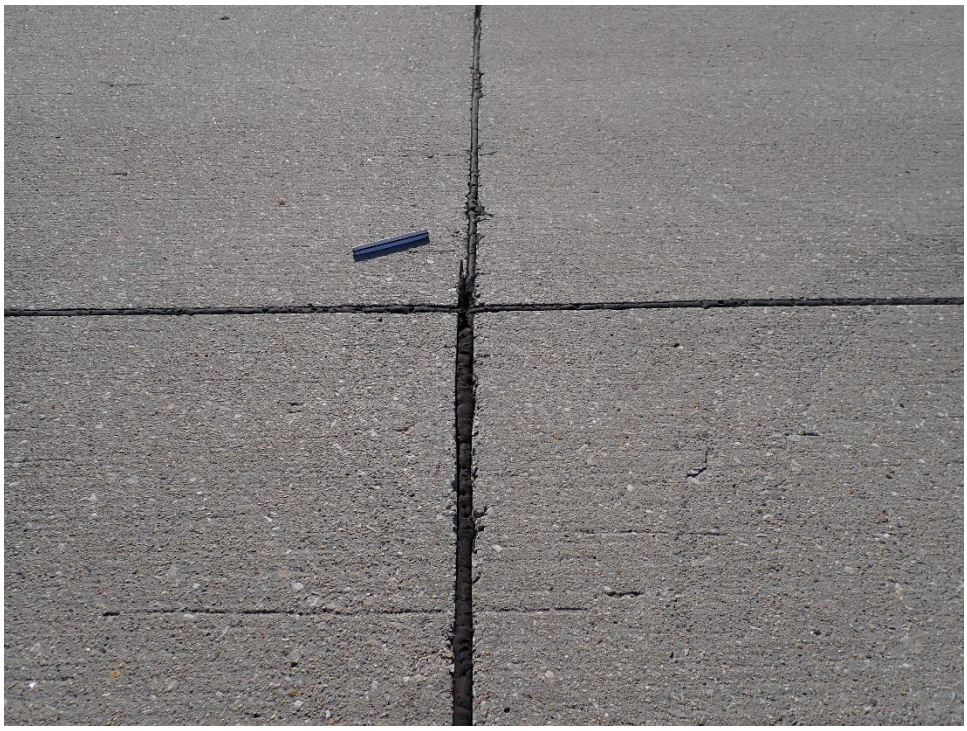
T12AN-01. Overview (2).

T12AN-01. Corner Spalling (Sample Unit No. 06).

T12AN-01. Corner Spalling (Sample Unit No. 18).

T12AN-01. Faulting (Sample Unit No. 09).

T12AN-01. Joint Seal Damage (Sample Unit No. 03).



T12AN-01. Joint Seal Damage (Sample Unit No. 21).

T12AN-01. LTD Cracking (Sample Unit No. 06).

T12AN-01. Large Patching (Sample Unit No. 18).

T13AN-01. Overview.

T13AN-01. ASR (Sample Unit No. 08) (1).

T13AN-01. ASR (Sample Unit No. 08) (2).

T13AN-01. Joint Seal Damage (Sample Unit No. 03).

TH01AN-01. Overview.

TH01AN-01. ASR (Sample Unit No. 01).

TH01AN-01. Corner Spalling (Sample Unit No. 09).

TH01AN-01. LTD Cracking (Sample Unit No. 09).

TH01AN-01. Popouts (Sample Unit No. 01).

TH01AN-01. Popouts (Sample Unit No. 04).

TH01AN-02. Overview.

TH01AN-02. LTD Cracking (Sample Unit No. 18).

TH01AN-02. Shattered Slab (Sample Unit No. 02).

TH01AN-02. Small Patching (Sample Unit No. 18).

TH01AN-04. Overview.

TH01AN-04. Joint Seal Damage (Sample Unit No. 07).

APPENDIX C

INSPECTION REPORT

RE-INSPECTION REPORT
ANKENY REGIONAL AIRPORT

Pavement Database: IA 2024 | Generate Date: 8/11/2025

Network ID: IKV |

Branch - Section ID: A01AN - 001

Branch Name: APRON 01 | Use: APRON

LCD: 10/31/1993
Surface Type: PCC
Rank: P
Section Area (sf): 159,078.00
Length (ft): 700.00
Width (ft): 233.00
From: T02AN
To: TERMINAL

PCI Family: IowaPCCAP_SC_Enhanced

Slabs: 1,018
Slab Length (ft): 12.50
Slab Width (ft): 12.50
Joint Length (ft): 24,542.49

Section Comments:

Last Insp Date: 3/13/2025
PCI: 40
Total Samples: 45
Surveyed: 8

Inspection Comments:

Sample Number: 02

Sample Type: R
Sample PCI: 3
Sample Area (Slabs): 24.00

Sample Comments:

63 LINEAR CR	M	7.00	Slabs
65 JT SEAL DMG	H	24.00	Slabs
66 SMALL PATCH	L	5.00	Slabs
67 LARGE PATCH	H	1.00	Slabs
71 FAULTING	L	1.00	Slabs
71 FAULTING	L	2.00	Slabs
73 SHRINKAGE CR	N	1.00	Slabs
74 JOINT SPALL	M	1.00	Slabs
75 CORNER SPALL	H	1.00	Slabs
75 CORNER SPALL	M	1.00	Slabs
76 ASR	H	3.00	Slabs
76 ASR	M	2.00	Slabs
76 ASR	M	15.00	Slabs

Sample Number: 11

Sample Type: R
Sample PCI: 42
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	H	24.00	Slabs
75 CORNER SPALL	M	1.00	Slabs
76 ASR	L	13.00	Slabs
76 ASR	M	11.00	Slabs

RE-INSPECTION REPORT
ANKENY REGIONAL AIRPORT

Sample Number: 15

Sample Type: R
Sample PCI: 39
Sample Area (Slabs): 24.00

Sample Comments:

63 LINEAR CR	L	1.00	Slabs
65 JT SEAL DMG	H	24.00	Slabs
66 SMALL PATCH	L	1.00	Slabs
75 CORNER SPALL	M	1.00	Slabs
76 ASR	H	1.00	Slabs
76 ASR	L	5.00	Slabs
76 ASR	M	5.00	Slabs

Sample Number: 19

Sample Type: R
Sample PCI: 47
Sample Area (Slabs): 24.00

Sample Comments:

63 LINEAR CR	M	1.00	Slabs
65 JT SEAL DMG	H	24.00	Slabs
76 ASR	M	12.00	Slabs

Sample Number: 30

Sample Type: R
Sample PCI: 43
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	H	24.00	Slabs
74 JOINT SPALL	H	1.00	Slabs
76 ASR	L	17.00	Slabs
76 ASR	M	7.00	Slabs

Sample Number: 33

Sample Type: R
Sample PCI: 49
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	M	24.00	Slabs
68 POPOUTS	N	4.00	Slabs
71 FAULTING	L	2.00	Slabs
76 ASR	L	14.00	Slabs
76 ASR	M	3.00	Slabs

Sample Number: 36

Sample Type: R
Sample PCI: 31
Sample Area (Slabs): 24.00

Sample Comments:

63 LINEAR CR	L	2.00	Slabs
63 LINEAR CR	M	4.00	Slabs
65 JT SEAL DMG	M	24.00	Slabs
68 POPOUTS	N	6.00	Slabs
71 FAULTING	L	1.00	Slabs
72 SHAT. SLAB	L	1.00	Slabs
72 SHAT. SLAB	M	1.00	Slabs
76 ASR	L	6.00	Slabs
76 ASR	M	2.00	Slabs

RE-INSPECTION REPORT
ANKENY REGIONAL AIRPORT

Sample Number: 40

Sample Type: R
Sample PCI: 66
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	M	24.00	Slabs
68 POPOUTS	N	2.00	Slabs
71 FAULTING	L	1.00	Slabs
76 ASR	L	16.00	Slabs

RE-INSPECTION REPORT
ANKENY REGIONAL AIRPORT

Branch - Section ID: A01AN - 002

Branch Name: APRON 01 Use: APRON

LCD: 6/1/2006
Surface Type: PCC
Rank: P
Section Area (sf): 97,192.00
Length (ft): 410.00
Width (ft): 275.00
From: A01AN-01
To: SEE MAP

PCI Family: IowaPCCAP_SC_Enhanced

Slabs: 622
Slab Length (ft): 12.50
Slab Width (ft): 12.50
Joint Length (ft): 14,960.24

Section Comments:

Last Insp Date: 3/13/2025
PCI: 61
Total Samples: 34
Surveyed: 8

Inspection Comments:

Sample Number: 05

Sample Type: R
Sample PCI: 40
Sample Area (Slabs): 20.00

Sample Comments:

65 JT SEAL DMG	H	20.00 Slabs
68 POPOUTS	N	7.00 Slabs
73 SHRINKAGE CR	N	1.00 Slabs
76 ASR	L	4.00 Slabs
76 ASR	M	12.00 Slabs

Sample Number: 07

Sample Type: R
Sample PCI: 64
Sample Area (Slabs): 20.00

Sample Comments:

65 JT SEAL DMG	H	20.00 Slabs
68 POPOUTS	N	2.00 Slabs
76 ASR	L	10.00 Slabs
76 ASR	M	1.00 Slabs

Sample Number: 12

Sample Type: R
Sample PCI: 70
Sample Area (Slabs): 20.00

Sample Comments:

65 JT SEAL DMG	H	20.00 Slabs
68 POPOUTS	N	4.00 Slabs
76 ASR	L	9.00 Slabs

Sample Number: 16

Sample Type: R
Sample PCI: 54
Sample Area (Slabs): 20.00

Sample Comments:

63 LINEAR CR	M	1.00 Slabs
65 JT SEAL DMG	H	20.00 Slabs
68 POPOUTS	N	5.00 Slabs
76 ASR	L	9.00 Slabs
76 ASR	M	1.00 Slabs

RE-INSPECTION REPORT
ANKENY REGIONAL AIRPORT

Sample Number: 19

Sample Type: R
Sample PCI: 66
Sample Area (Slabs): 20.00

Sample Comments:

65 JT SEAL DMG	H	20.00	Slabs
68 POPOUTS	N	2.00	Slabs
76 ASR	L	7.00	Slabs
76 ASR	M	1.00	Slabs

Sample Number: 21

Sample Type: R
Sample PCI: 76
Sample Area (Slabs): 20.00

Sample Comments:

65 JT SEAL DMG	H	20.00	Slabs
68 POPOUTS	N	2.00	Slabs
76 ASR	L	5.00	Slabs

Sample Number: 25

Sample Type: R
Sample PCI: 73
Sample Area (Slabs): 20.00

Sample Comments:

65 JT SEAL DMG	H	20.00	Slabs
76 ASR	L	17.00	Slabs

Sample Number: 32

Sample Type: R
Sample PCI: 46
Sample Area (Slabs): 20.00

Sample Comments:

63 LINEAR CR	M	1.00	Slabs
65 JT SEAL DMG	H	20.00	Slabs
68 POPOUTS	N	8.00	Slabs
74 JOINT SPALL	L	1.00	Slabs
74 JOINT SPALL	M	1.00	Slabs
76 ASR	L	11.00	Slabs
76 ASR	M	1.00	Slabs

Branch - Section ID: A01AN - 003

Branch Name: APRON 01 Use: APRON

LCD: 7/1/2017
Surface Type: PCC
Rank: P
Section Area (sf): 40,780.00
Length (ft): 325.00
Width (ft): 115.00
From: SEE MAP
To: SEE MAP

PCI Family: IowaPCCAP_SC_Enhanced

Slabs: 338
Slab Length (ft): 11.50
Slab Width (ft): 10.50
Joint Length (ft): 6,949.81

Section Comments:

Last Insp Date: 3/13/2025
PCI: 93
Total Samples: 15
Surveyed: 6

Inspection Comments:

Sample Number: 01

Sample Type: R
Sample PCI: 93
Sample Area (Slabs): 20.00

Sample Comments:

65 JT SEAL DMG	M	20.00	Slabs

Sample Number: 03

Sample Type: R
Sample PCI: 93
Sample Area (Slabs): 20.00

Sample Comments:

65 JT SEAL DMG	M	20.00	Slabs

Sample Number: 05

Sample Type: R
Sample PCI: 93
Sample Area (Slabs): 20.00

Sample Comments:

65 JT SEAL DMG	M	20.00	Slabs

Sample Number: 08

Sample Type: R
Sample PCI: 93
Sample Area (Slabs): 16.00

Sample Comments:

65 JT SEAL DMG	M	16.00	Slabs

Sample Number: 10

Sample Type: R
Sample PCI: 93
Sample Area (Slabs): 16.00

Sample Comments:

65 JT SEAL DMG	M	16.00	Slabs

Sample Number: 12

Sample Type: R
Sample PCI: 93
Sample Area (Slabs): 16.00

Sample Comments:

65 JT SEAL DMG	M	16.00	Slabs

Branch - Section ID: A02AN - 001

Branch Name: APRON 02 Use: APRON

LCD: 4/3/2021
Surface Type: PCC
Rank: P
Section Area (sf): 34,619.00
Length (ft): 300.00
Width (ft): 100.00
From: TAXIWAY 12
To: END

PCI Family: IowaPCCAP_SC_Enhanced

Slabs: 222
Slab Length (ft): 12.50
Slab Width (ft): 12.50
Joint Length (ft): 5,077.45

Section Comments:

Last Insp Date: 3/13/2025
PCI: 98
Total Samples: 10
Surveyed: 5

Inspection Comments:

Sample Number: 02

Sample Type: R
Sample PCI: 98
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	L	24.00	Slabs

Sample Number: 04

Sample Type: R
Sample PCI: 98
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	L	24.00	Slabs

Sample Number: 05

Sample Type: R
Sample PCI: 98
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	L	24.00	Slabs

Sample Number: 07

Sample Type: R
Sample PCI: 98
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	L	24.00	Slabs

Sample Number: 09

Sample Type: R
Sample PCI: 98
Sample Area (Slabs): 18.00

Sample Comments:

65 JT SEAL DMG	L	18.00	Slabs

Branch - Section ID: A02AN - 002

Branch Name: APRON 02 Use: APRON

LCD: 10/3/2021
Surface Type: PCC
Rank: P
Section Area (sf): 34,619.00
Length (ft): 300.00
Width (ft): 100.00
From: TAXIWAY 12
To: END

PCI Family: IowaPCCAP_SC_Enhanced

Slabs: 222
Slab Length (ft): 12.50
Slab Width (ft): 12.50
Joint Length (ft): 5,077.45

Section Comments:

Last Insp Date: 3/13/2025
PCI: 99
Total Samples: 10
Surveyed: 5

Inspection Comments:

Sample Number: 02

Sample Type: R
Sample PCI: 100
Sample Area (Slabs): 24.00

Sample Comments:

NO DISTRESS

Sample Number: 04

Sample Type: R
Sample PCI: 100
Sample Area (Slabs): 24.00

Sample Comments:

NO DISTRESS

Sample Number: 05

Sample Type: R
Sample PCI: 100
Sample Area (Slabs): 24.00

Sample Comments:

NO DISTRESS

Sample Number: 07

Sample Type: R
Sample PCI: 98
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	L	24.00	Slabs

Sample Number: 09

Sample Type: R
Sample PCI: 98
Sample Area (Slabs): 18.00

Sample Comments:

65 JT SEAL DMG	L	18.00	Slabs

Branch - Section ID: A02AN - 003

Branch Name: APRON 02 Use: APRON

LCD: 8/3/2024
Surface Type: PCC
Rank: P
Section Area (sf): 34,507.00
Length (ft): 300.00
Width (ft): 100.00
From: SEE MAP
To: SEE MAP

PCI Family: IowaPCCAP_SC_Enhanced

Slabs: 221
Slab Length (ft): 12.50
Slab Width (ft): 12.50
Joint Length (ft): 5,061.03

Section Comments:

Last Insp Date: 3/13/2025
PCI: 100
Total Samples: 10
Surveyed: 5

Inspection Comments:

Sample Number: 02

Sample Type: R
Sample PCI: 100
Sample Area (Slabs): 24.00

Sample Comments:

NO DISTRESS

Sample Number: 04

Sample Type: R
Sample PCI: 100
Sample Area (Slabs): 24.00

Sample Comments:

NO DISTRESS

Sample Number: 05

Sample Type: R
Sample PCI: 100
Sample Area (Slabs): 24.00

Sample Comments:

NO DISTRESS

Sample Number: 07

Sample Type: R
Sample PCI: 100
Sample Area (Slabs): 24.00

Sample Comments:

NO DISTRESS

Sample Number: 09

Sample Type: R
Sample PCI: 100
Sample Area (Slabs): 17.00

Sample Comments:

NO DISTRESS

Branch - Section ID: R04AN - 001

Branch Name: RUNWAY 04/22 Use: RUNWAY

LCD: 10/30/1999
Surface Type: PCC
Rank: S
Section Area (sf): 98,351.00
Length (ft): 1,313.00
Width (ft): 75.00
From: END RWY 22
To: R04AN

PCI Family: IowaPCCRW_SC_Enhanced

Slabs: 629
Slab Length (ft): 12.50
Slab Width (ft): 12.50
Joint Length (ft): 14,349.91

Section Comments:

Last Insp Date: 3/13/2025
PCI: 77
Total Samples: 27
Surveyed: 7

Inspection Comments:

Sample Number: 01

Sample Type: R
Sample PCI: 74
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	M	24.00	Slabs
66 SMALL PATCH	L	5.00	Slabs
66 SMALL PATCH	M	1.00	Slabs
74 JOINT SPALL	L	1.00	Slabs
75 CORNER SPALL	M	3.00	Slabs
76 ASR	L	2.00	Slabs

Sample Number: 06

Sample Type: R
Sample PCI: 80
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	M	24.00	Slabs
71 FAULTING	L	2.00	Slabs
75 CORNER SPALL	L	1.00	Slabs
75 CORNER SPALL	M	3.00	Slabs

Sample Number: 10

Sample Type: R
Sample PCI: 81
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	M	24.00	Slabs
75 CORNER SPALL	L	3.00	Slabs
75 CORNER SPALL	M	3.00	Slabs

Sample Number: 13

Sample Type: R
Sample PCI: 79
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	H	24.00	Slabs
66 SMALL PATCH	L	2.00	Slabs
75 CORNER SPALL	M	5.00	Slabs

Sample Number: 16

Sample Type: R
Sample PCI: 82
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	H	24.00	Slabs
66 SMALL PATCH	L	1.00	Slabs
75 CORNER SPALL	M	2.00	Slabs

Sample Number: 21

Sample Type: R
Sample PCI: 68
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	M	24.00	Slabs
66 SMALL PATCH	L	1.00	Slabs
66 SMALL PATCH	M	1.00	Slabs
67 LARGE PATCH	L	1.00	Slabs
74 JOINT SPALL	H	1.00	Slabs
74 JOINT SPALL	M	2.00	Slabs
75 CORNER SPALL	M	2.00	Slabs

Sample Number: 25

Sample Type: R
Sample PCI: 76
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	M	24.00	Slabs
66 SMALL PATCH	L	6.00	Slabs
75 CORNER SPALL	M	7.00	Slabs

Branch - Section ID: R04AN - 002

Branch Name: RUNWAY 04/22 Use: RUNWAY

LCD: 10/31/1993
Surface Type: PCC
Rank: S
Section Area (sf): 20,118.00
Length (ft): 263.00
Width (ft): 75.00
From: R04AN-01
To: RWY 18/36

PCI Family: IowaPCCRW_SC_Enhanced

Slabs: 129
Slab Length (ft): 12.50
Slab Width (ft): 12.50
Joint Length (ft): 2,874.15

Section Comments:

Last Insp Date: 3/13/2025
PCI: 46
Total Samples: 7
Surveyed: 4

Inspection Comments:

Sample Number: 01

Sample Type: R
Sample PCI: 53
Sample Area (Slabs): 18.00

Sample Comments:

65 JT SEAL DMG	H	18.00	Slabs
66 SMALL PATCH	L	4.00	Slabs
68 POPOUTS	N	6.00	Slabs
76 ASR	L	12.00	Slabs
76 ASR	M	1.00	Slabs

Sample Number: 02

Sample Type: R
Sample PCI: 36
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	M	24.00	Slabs
66 SMALL PATCH	L	9.00	Slabs
67 LARGE PATCH	L	2.00	Slabs
68 POPOUTS	N	8.00	Slabs
74 JOINT SPALL	M	1.00	Slabs
76 ASR	L	12.00	Slabs
76 ASR	M	5.00	Slabs

Sample Number: 03

Sample Type: R
Sample PCI: 43
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	M	24.00	Slabs
66 SMALL PATCH	L	9.00	Slabs
68 POPOUTS	N	9.00	Slabs
76 ASR	L	12.00	Slabs
76 ASR	M	4.00	Slabs

Sample Number: 04

Sample Type: R

Sample PCI: 55

Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	H	24.00	Slabs
66 SMALL PATCH	L	12.00	Slabs
68 POPOUTS	N	8.00	Slabs
75 CORNER SPALL	M	2.00	Slabs
76 ASR	L	17.00	Slabs
76 ASR	L	3.00	Slabs

Branch - Section ID: R04AN - 003

Branch Name: RUNWAY 04/22 Use: RUNWAY

LCD: 10/31/1993
Surface Type: PCC
Rank: S
Section Area (sf): 20,724.00
Length (ft): 263.00
Width (ft): 75.00
From: RWY 18/36
To: R04AN-04

PCI Family: IowaPCCRW_SC_Enhanced

Slabs: 133
Slab Length (ft): 12.50
Slab Width (ft): 12.50
Joint Length (ft): 2,960.72

Section Comments:

Last Insp Date: 3/13/2025
PCI: 46
Total Samples: 7
Surveyed: 4

Inspection Comments:

Sample Number: 04

Sample Type: R
Sample PCI: 52
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	H	24.00	Slabs
66 SMALL PATCH	L	7.00	Slabs
68 POPOUTS	N	13.00	Slabs
76 ASR	L	13.00	Slabs
76 ASR	M	1.00	Slabs

Sample Number: 05

Sample Type: R
Sample PCI: 46
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	H	24.00	Slabs
66 SMALL PATCH	L	2.00	Slabs
68 POPOUTS	N	5.00	Slabs
76 ASR	L	12.00	Slabs
76 ASR	M	5.00	Slabs

Sample Number: 06

Sample Type: R
Sample PCI: 37
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	M	24.00	Slabs
68 POPOUTS	N	6.00	Slabs
76 ASR	H	1.00	Slabs
76 ASR	L	13.00	Slabs
76 ASR	M	6.00	Slabs

Sample Number: 07

Sample Type: R

Sample PCI: 50

Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	M	24.00	Slabs
66 SMALL PATCH	L	5.00	Slabs
68 POPOUTS	N	1.00	Slabs
74 JOINT SPALL	L	2.00	Slabs
75 CORNER SPALL	M	1.00	Slabs
76 ASR	L	17.00	Slabs
76 ASR	M	2.00	Slabs

Branch - Section ID: R04AN - 004

Branch Name: RUNWAY 04/22 Use: RUNWAY

LCD: 10/30/1999
Surface Type: PCC
Rank: S
Section Area (sf): 168,335.00
Length (ft): 2,244.00
Width (ft): 75.00
From: R04AN-03
To: END RWY 04

PCI Family: IowaPCCRW_SC_Enhanced

Slabs: 1,077
Slab Length (ft): 12.50
Slab Width (ft): 12.50
Joint Length (ft): 24,614.12

Section Comments:

Last Insp Date: 3/12/2025
PCI: 44
Total Samples: 46
Surveyed: 8

Inspection Comments:

Sample Number: 03

Sample Type: R
Sample PCI: 59
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	M	24.00 Slabs
66 SMALL PATCH	L	6.00 Slabs
66 SMALL PATCH	M	1.00 Slabs
67 LARGE PATCH	M	1.00 Slabs
71 FAULTING	L	1.00 Slabs
75 CORNER SPALL	M	3.00 Slabs
76 ASR	L	10.00 Slabs

Sample Number: 09

Sample Type: R
Sample PCI: 36
Sample Area (Slabs): 24.00

Sample Comments:

63 LINEAR CR	M	1.00 Slabs
65 JT SEAL DMG	M	24.00 Slabs
74 JOINT SPALL	M	1.00 Slabs
75 CORNER SPALL	M	2.00 Slabs
76 ASR	H	1.00 Slabs
76 ASR	L	17.00 Slabs
76 ASR	M	3.00 Slabs

Sample Number: 14

Sample Type: R
Sample PCI: 52
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	H	24.00 Slabs
66 SMALL PATCH	L	3.00 Slabs
67 LARGE PATCH	L	1.00 Slabs
76 ASR	L	16.00 Slabs
76 ASR	M	3.00 Slabs

RE-INSPECTION REPORT
ANKENY REGIONAL AIRPORT

Sample Number: 17

Sample Type: R
Sample PCI: 48
Sample Area (Slabs): 24.00
Sample Comments:

65 JT SEAL DMG	H	24.00	Slabs
66 SMALL PATCH	L	1.00	Slabs
75 CORNER SPALL	M	1.00	Slabs
76 ASR	L	15.00	Slabs
76 ASR	M	5.00	Slabs

Sample Number: 21

Sample Type: R
Sample PCI: 50
Sample Area (Slabs): 24.00
Sample Comments:

65 JT SEAL DMG	H	24.00	Slabs
66 SMALL PATCH	L	3.00	Slabs
67 LARGE PATCH	L	3.00	Slabs
76 ASR	L	18.00	Slabs
76 ASR	M	3.00	Slabs

Sample Number: 28

Sample Type: R
Sample PCI: 40
Sample Area (Slabs): 24.00
Sample Comments:

65 JT SEAL DMG	H	24.00	Slabs
66 SMALL PATCH	L	3.00	Slabs
67 LARGE PATCH	L	2.00	Slabs
76 ASR	L	16.00	Slabs
76 ASR	M	8.00	Slabs

Sample Number: 36

Sample Type: R
Sample PCI: 43
Sample Area (Slabs): 24.00
Sample Comments:

65 JT SEAL DMG	M	24.00	Slabs
67 LARGE PATCH	L	1.00	Slabs
75 CORNER SPALL	M	1.00	Slabs
76 ASR	L	18.00	Slabs
76 ASR	M	6.00	Slabs

Sample Number: 43

Sample Type: R
Sample PCI: 28
Sample Area (Slabs): 24.00
Sample Comments:

65 JT SEAL DMG	M	24.00	Slabs
66 SMALL PATCH	L	5.00	Slabs
66 SMALL PATCH	M	1.00	Slabs
67 LARGE PATCH	L	2.00	Slabs
67 LARGE PATCH	M	1.00	Slabs
71 FAULTING	L	1.00	Slabs
75 CORNER SPALL	M	2.00	Slabs
76 ASR	H	1.00	Slabs
76 ASR	L	13.00	Slabs
76 ASR	M	7.00	Slabs

Branch - Section ID: R18AN - 001

Branch Name: RUNWAY 18/36 Use: RUNWAY

LCD: 10/31/1993
Surface Type: PCC
Rank: P
Section Area (sf): 400,043.00
Length (ft): 4,000.00
Width (ft): 100.00
From: N END OF RWY 18/36
To: S END OF RWY 18/36

PCI Family: IowaPCCRW_SC_Enhanced

Slabs: 2,560
Slab Length (ft): 12.50
Slab Width (ft): 12.50
Joint Length (ft): 59,906.44

Section Comments:

Last Insp Date: 3/13/2025
PCI: 35
Total Samples: 107
Surveyed: 11

Inspection Comments:

Sample Number: 009

Sample Type: R
Sample PCI: 59
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	H	24.00 Slabs
66 SMALL PATCH	L	4.00 Slabs
66 SMALL PATCH	M	1.00 Slabs
73 SHRINKAGE CR	N	1.00 Slabs
76 ASR	L	10.00 Slabs
76 ASR	M	2.00 Slabs

Sample Number: 027

Sample Type: R
Sample PCI: 42
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	H	24.00 Slabs
66 SMALL PATCH	L	6.00 Slabs
66 SMALL PATCH	M	2.00 Slabs
67 LARGE PATCH	L	1.00 Slabs
76 ASR	L	18.00 Slabs
76 ASR	M	4.00 Slabs

Sample Number: 036

Sample Type: R
Sample PCI: 37
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	H	24.00 Slabs
66 SMALL PATCH	L	12.00 Slabs
66 SMALL PATCH	M	4.00 Slabs
74 JOINT SPALL	M	1.00 Slabs
76 ASR	L	18.00 Slabs
76 ASR	M	6.00 Slabs

Sample Number: 045

Sample Type: R
Sample PCI: 26
Sample Area (Slabs): 24.00

Sample Comments:

63 LINEAR CR	M	5.00	Slabs
65 JT SEAL DMG	H	24.00	Slabs
66 SMALL PATCH	L	10.00	Slabs
67 LARGE PATCH	L	2.00	Slabs
76 ASR	L	19.00	Slabs
76 ASR	M	5.00	Slabs

Sample Number: 054

Sample Type: R
Sample PCI: 37
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	H	24.00	Slabs
66 SMALL PATCH	L	8.00	Slabs
66 SMALL PATCH	M	3.00	Slabs
74 JOINT SPALL	M	1.00	Slabs
75 CORNER SPALL	H	1.00	Slabs
76 ASR	L	20.00	Slabs
76 ASR	M	4.00	Slabs

Sample Number: 063

Sample Type: R
Sample PCI: 30
Sample Area (Slabs): 24.00

Sample Comments:

63 LINEAR CR	M	2.00	Slabs
65 JT SEAL DMG	H	24.00	Slabs
66 SMALL PATCH	L	4.00	Slabs
66 SMALL PATCH	M	2.00	Slabs
67 LARGE PATCH	L	3.00	Slabs
76 ASR	H	1.00	Slabs
76 ASR	L	7.00	Slabs
76 ASR	M	8.00	Slabs

Sample Number: 072

Sample Type: R
Sample PCI: 30
Sample Area (Slabs): 24.00

Sample Comments:

63 LINEAR CR	M	3.00	Slabs
65 JT SEAL DMG	M	24.00	Slabs
66 SMALL PATCH	L	3.00	Slabs
66 SMALL PATCH	M	3.00	Slabs
67 LARGE PATCH	L	1.00	Slabs
76 ASR	L	18.00	Slabs
76 ASR	M	6.00	Slabs

Sample Number: 081

Sample Type: R
Sample PCI: 22
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	M	24.00	Slabs
66 SMALL PATCH	L	2.00	Slabs
66 SMALL PATCH	M	2.00	Slabs
67 LARGE PATCH	L	2.00	Slabs
76 ASR	H	3.00	Slabs
76 ASR	L	14.00	Slabs
76 ASR	M	5.00	Slabs

Sample Number: 090

Sample Type: R
Sample PCI: 49
Sample Area (Slabs): 24.00

Sample Comments:

62 CORNER BREAK	M	1.00	Slabs
63 LINEAR CR	M	1.00	Slabs
65 JT SEAL DMG	M	24.00	Slabs
66 SMALL PATCH	L	1.00	Slabs
66 SMALL PATCH	M	2.00	Slabs
67 LARGE PATCH	M	1.00	Slabs
76 ASR	L	17.00	Slabs
76 ASR	M	1.00	Slabs

Sample Number: 099

Sample Type: R
Sample PCI: 11
Sample Area (Slabs): 24.00

Sample Comments:

63 LINEAR CR	M	12.00	Slabs
65 JT SEAL DMG	M	24.00	Slabs
66 SMALL PATCH	L	2.00	Slabs
66 SMALL PATCH	M	2.00	Slabs
67 LARGE PATCH	L	1.00	Slabs
67 LARGE PATCH	M	2.00	Slabs
71 FAULTING	L	4.00	Slabs
75 CORNER SPALL	M	2.00	Slabs
76 ASR	L	15.00	Slabs
76 ASR	M	9.00	Slabs

Sample Number: 106

Sample Type: R
Sample PCI: 46
Sample Area (Slabs): 24.00

Sample Comments:

63 LINEAR CR	L	6.00	Slabs
65 JT SEAL DMG	H	24.00	Slabs
75 CORNER SPALL	H	5.00	Slabs
75 CORNER SPALL	M	5.00	Slabs
76 ASR	L	24.00	Slabs

RE-INSPECTION REPORT
ANKENY REGIONAL AIRPORT

Branch - Section ID: R18AN - 002

Branch Name: RUNWAY 18/36 Use: RUNWAY

LCD: 10/31/1998
Surface Type: PCC
Rank: P
Section Area (sf): 150,023.00
Length (ft): 1,500.00
Width (ft): 100.00
From: SOUTH END R18AN-O1
To: SOUTH END OF RWY 18/36

PCI Family: IowaPCCRW_SC_Enhanced

Slabs: 960
Slab Length (ft): 12.50
Slab Width (ft): 12.50
Joint Length (ft): 22,403.43

Section Comments:

Last Insp Date: 3/13/2025
PCI: 63
Total Samples: 40
Surveyed: 8

Inspection Comments:

Sample Number: 03

Sample Type: R
Sample PCI: 67
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	H	24.00	Slabs
66 SMALL PATCH	L	7.00	Slabs
75 CORNER SPALL	M	2.00	Slabs
76 ASR	L	14.00	Slabs

Sample Number: 06

Sample Type: R
Sample PCI: 47
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	M	24.00	Slabs
66 SMALL PATCH	L	3.00	Slabs
71 FAULTING	L	4.00	Slabs
74 JOINT SPALL	M	1.00	Slabs
76 ASR	L	17.00	Slabs
76 ASR	M	3.00	Slabs

Sample Number: 12

Sample Type: R
Sample PCI: 71
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	M	24.00	Slabs
71 FAULTING	L	2.00	Slabs
75 CORNER SPALL	L	1.00	Slabs
76 ASR	L	12.00	Slabs

Sample Number: 20

Sample Type: R
Sample PCI: 81
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	M	24.00	Slabs
66 SMALL PATCH	L	5.00	Slabs
76 ASR	L	4.00	Slabs

Sample Number: 21

Sample Type: R
Sample PCI: 73
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	H	24.00	Slabs
66 SMALL PATCH	L	3.00	Slabs
71 FAULTING	L	6.00	Slabs
75 CORNER SPALL	L	1.00	Slabs

Sample Number: 30

Sample Type: R
Sample PCI: 74
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	H	24.00	Slabs
66 SMALL PATCH	L	2.00	Slabs
75 CORNER SPALL	H	1.00	Slabs
75 CORNER SPALL	M	1.00	Slabs
76 ASR	L	3.00	Slabs

Sample Number: 31

Sample Type: R
Sample PCI: 35
Sample Area (Slabs): 24.00

Sample Comments:

63 LINEAR CR	M	6.00	Slabs
65 JT SEAL DMG	M	24.00	Slabs
66 SMALL PATCH	L	4.00	Slabs
71 FAULTING	L	6.00	Slabs
76 ASR	L	13.00	Slabs
76 ASR	M	2.00	Slabs

Sample Number: 39

Sample Type: R
Sample PCI: 54
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	M	24.00	Slabs
66 SMALL PATCH	L	7.00	Slabs
71 FAULTING	L	3.00	Slabs
74 JOINT SPALL	M	1.00	Slabs
75 CORNER SPALL	M	1.00	Slabs
76 ASR	L	5.00	Slabs
76 ASR	M	2.00	Slabs

Branch - Section ID: T01AN - 001

Branch Name: TAXIWAY 01 Use: TAXIWAY

LCD: 6/3/2020
Surface Type: PCC
Rank: P
Section Area (sf): 65,478.00
Length (ft): 1,460.00
Width (ft): 35.00
From: NORTH END OF TWY 02
To: NORTH END OF RWY 18/36

PCI Family: IowaPCCTW_SC_Enhanced

Slabs: 759
Slab Length (ft): 10.00
Slab Width (ft): 8.63
Joint Length (ft): 12,219.41

Section Comments: slabs widths vary

Last Insp Date: 3/13/2025
PCI: 99
Total Samples: 36
Surveyed: 8

Inspection Comments:

Sample Number: 02

Sample Type: R
Sample PCI: 98
Sample Area (Slabs): 20.00

Sample Comments:

65 JT SEAL DMG	L	20.00	Slabs

Sample Number: 06

Sample Type: R
Sample PCI: 98
Sample Area (Slabs): 20.00

Sample Comments:

65 JT SEAL DMG	L	20.00	Slabs

Sample Number: 10

Sample Type: R
Sample PCI: 98
Sample Area (Slabs): 20.00

Sample Comments:

65 JT SEAL DMG	L	20.00	Slabs

Sample Number: 14

Sample Type: R
Sample PCI: 98
Sample Area (Slabs): 20.00

Sample Comments:

65 JT SEAL DMG	L	20.00	Slabs

Sample Number: 24

Sample Type: R
Sample PCI: 100
Sample Area (Slabs): 24.00

Sample Comments:

NO DISTRESS

Sample Number: 27

Sample Type: R
Sample PCI: 100
Sample Area (Slabs): 24.00

Sample Comments:

NO DISTRESS

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Sample Number: 30

Sample Type: R
Sample PCI: 100
Sample Area (Slabs): 20.00

Sample Comments:

NO DISTRESS

Sample Number: 33

Sample Type: R
Sample PCI: 98
Sample Area (Slabs): 20.00

Sample Comments:

65 JT SEAL DMG	L	20.00	Slabs

Branch - Section ID: T01AN - 002

Branch Name: TAXIWAY 01 Use: TAXIWAY

LCD: 6/1/2002
Surface Type: PCC
Rank: P
Section Area (sf): 36,712.00
Length (ft): 928.00
Width (ft): 35.00
From: R18AN-01
To: T09AN-01

PCI Family: IowaPCCTW_SC_Enhanced

Slabs: 252
Slab Length (ft): 12.50
Slab Width (ft): 11.66
Joint Length (ft): 4,997.03

Section Comments: slabs widths vary

Last Insp Date: 3/13/2025
PCI: 95
Total Samples: 14
Surveyed: 6

Inspection Comments:

Sample Number: 05

Sample Type: R
Sample PCI: 98
Sample Area (Slabs): 21.00

Sample Comments:

65 JT SEAL DMG	L	21.00	Slabs

Sample Number: 06

Sample Type: R
Sample PCI: 98
Sample Area (Slabs): 21.00

Sample Comments:

65 JT SEAL DMG	L	21.00	Slabs

Sample Number: 07

Sample Type: R
Sample PCI: 93
Sample Area (Slabs): 21.00

Sample Comments:

65 JT SEAL DMG	M	21.00	Slabs

Sample Number: 09

Sample Type: R
Sample PCI: 93
Sample Area (Slabs): 21.00

Sample Comments:

65 JT SEAL DMG	M	21.00	Slabs

Sample Number: 10

Sample Type: R
Sample PCI: 93
Sample Area (Slabs): 21.00

Sample Comments:

65 JT SEAL DMG	M	21.00	Slabs

Sample Number: 12

Sample Type: R
Sample PCI: 93
Sample Area (Slabs): 21.00

Sample Comments:

65 JT SEAL DMG	M	21.00	Slabs

Branch - Section ID: T02AN - 001

Branch Name: TAXIWAY 02 Use: TAXIWAY

LCD: 10/31/1993
Surface Type: PCC
Rank: P
Section Area (sf): 59,983.00
Length (ft): 1,685.00
Width (ft): 35.00
From: NORTH END OF TWY 02
To: T10AN-01

PCI Family: IowaPCCTW_SC_Enhanced

Slabs: 412
Slab Length (ft): 12.50
Slab Width (ft): 11.66
Joint Length (ft): 8,193.58

Section Comments: slabs widths vary

Last Insp Date: 3/13/2025
PCI: 31
Total Samples: 18
Surveyed: 7

Inspection Comments:

Sample Number: 03

Sample Type: R
Sample PCI: 30
Sample Area (Slabs): 24.00

Sample Comments:

63 LINEAR CR	M	3.00 Slabs
65 JT SEAL DMG	M	24.00 Slabs
66 SMALL PATCH	L	5.00 Slabs
66 SMALL PATCH	M	1.00 Slabs
76 ASR	L	10.00 Slabs
76 ASR	M	14.00 Slabs

Sample Number: 06

Sample Type: R
Sample PCI: 32
Sample Area (Slabs): 24.00

Sample Comments:

62 CORNER BREAK	L	1.00 Slabs
63 LINEAR CR	M	1.00 Slabs
65 JT SEAL DMG	M	24.00 Slabs
66 SMALL PATCH	L	2.00 Slabs
66 SMALL PATCH	M	1.00 Slabs
68 POPOUTS	N	6.00 Slabs
76 ASR	L	6.00 Slabs
76 ASR	M	12.00 Slabs

Sample Number: 08

Sample Type: R
Sample PCI: 15
Sample Area (Slabs): 24.00

Sample Comments:

63 LINEAR CR	M	5.00 Slabs
65 JT SEAL DMG	M	24.00 Slabs
66 SMALL PATCH	M	1.00 Slabs
68 POPOUTS	N	2.00 Slabs
74 JOINT SPALL	M	2.00 Slabs
76 ASR	H	1.00 Slabs
76 ASR	L	12.00 Slabs
76 ASR	M	11.00 Slabs

Sample Number: 11

Sample Type: R
Sample PCI: 29
Sample Area (Slabs): 24.00

Sample Comments:

63 LINEAR CR	M	1.00	Slabs
65 JT SEAL DMG	M	24.00	Slabs
66 SMALL PATCH	L	2.00	Slabs
68 POPOUTS	N	2.00	Slabs
71 FAULTING	L	3.00	Slabs
76 ASR	H	1.00	Slabs
76 ASR	L	2.00	Slabs
76 ASR	M	10.00	Slabs

Sample Number: 12

Sample Type: R
Sample PCI: 53
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	M	24.00	Slabs
66 SMALL PATCH	L	3.00	Slabs
66 SMALL PATCH	M	1.00	Slabs
71 FAULTING	L	6.00	Slabs
74 JOINT SPALL	L	1.00	Slabs
75 CORNER SPALL	L	3.00	Slabs
75 CORNER SPALL	M	2.00	Slabs
76 ASR	L	7.00	Slabs
76 ASR	M	1.00	Slabs

Sample Number: 14

Sample Type: R
Sample PCI: 31
Sample Area (Slabs): 24.00

Sample Comments:

63 LINEAR CR	M	12.00	Slabs
65 JT SEAL DMG	M	24.00	Slabs
67 LARGE PATCH	L	1.00	Slabs
71 FAULTING	L	6.00	Slabs
75 CORNER SPALL	M	1.00	Slabs
76 ASR	L	2.00	Slabs
76 ASR	M	1.00	Slabs

Sample Number: 16

Sample Type: R
Sample PCI: 25
Sample Area (Slabs): 24.00

Sample Comments:

62 CORNER BREAK	M	1.00	Slabs
63 LINEAR CR	M	1.00	Slabs
65 JT SEAL DMG	M	24.00	Slabs
66 SMALL PATCH	L	12.00	Slabs
66 SMALL PATCH	L	3.00	Slabs
67 LARGE PATCH	M	1.00	Slabs
68 POPOUTS	N	2.00	Slabs
76 ASR	L	8.00	Slabs
76 ASR	M	16.00	Slabs

RE-INSPECTION REPORT
ANKENY REGIONAL AIRPORT

Branch - Section ID: T03AN - 001

Branch Name: TAXIWAY 03 Use: TAXIWAY

LCD: 10/31/1993
Surface Type: PCC
Rank: P
Section Area (sf): 27,867.00
Length (ft): 465.00
Width (ft): 35.00
From: T11AN-01
To: WEST EDGE OF RWY 18/36

PCI Family: IowaPCCTW_SC_Enhanced

Slabs: 191
Slab Length (ft): 12.50
Slab Width (ft): 11.66
Joint Length (ft): 3,763.20

Section Comments: slabs widths vary

Last Insp Date: 3/12/2025
PCI: 29
Total Samples: 7
Surveyed: 4

Inspection Comments:

Sample Number: 01

Sample Type: R
Sample PCI: 37
Sample Area (Slabs): 37.00

Sample Comments:

62 CORNER BREAK	L	1.00 Slabs
63 LINEAR CR	L	7.00 Slabs
63 LINEAR CR	M	1.00 Slabs
65 JT SEAL DMG	H	37.00 Slabs
66 SMALL PATCH	L	2.00 Slabs
76 ASR	H	1.00 Slabs
76 ASR	L	22.00 Slabs
76 ASR	M	6.00 Slabs

Sample Number: 02

Sample Type: R
Sample PCI: 28
Sample Area (Slabs): 27.00

Sample Comments:

63 LINEAR CR	L	3.00 Slabs
65 JT SEAL DMG	M	27.00 Slabs
66 SMALL PATCH	H	1.00 Slabs
66 SMALL PATCH	L	5.00 Slabs
66 SMALL PATCH	M	1.00 Slabs
66 SMALL PATCH	M	3.00 Slabs
76 ASR	H	1.00 Slabs
76 ASR	L	5.00 Slabs
76 ASR	M	14.00 Slabs

Sample Number: 03

Sample Type: R
Sample PCI: 21
Sample Area (Slabs): 27.00

Sample Comments:

63 LINEAR CR	M	8.00 Slabs
65 JT SEAL DMG	H	27.00 Slabs
66 SMALL PATCH	L	4.00 Slabs
76 ASR	H	1.00 Slabs
76 ASR	L	18.00 Slabs
76 ASR	M	8.00 Slabs

Sample Number: 04

Sample Type: R

Sample PCI: 28

Sample Area (Slabs): 27.00

Sample Comments:

63 LINEAR CR	M	7.00	Slabs
65 JT SEAL DMG	H	27.00	Slabs
66 SMALL PATCH	L	13.00	Slabs
76 ASR	L	22.00	Slabs
76 ASR	M	5.00	Slabs

Branch - Section ID: T04AN - 001

Branch Name: TAXIWAY 04 Use: TAXIWAY

LCD: 10/3/1993
Surface Type: PCC
Rank: P
Section Area (sf): 64,988.00
Length (ft): 1,831.00
Width (ft): 35.00
From: T03AN
To: T05AN

PCI Family: IowaPCCTW_SC_Enhanced

Slabs: 446
Slab Length (ft): 12.50
Slab Width (ft): 11.66
Joint Length (ft): 8,880.33

Section Comments: slabs widths vary

Last Insp Date: 3/13/2025
PCI: 69
Total Samples: 19
Surveyed: 8

Inspection Comments:

Sample Number: 03

Sample Type: R
Sample PCI: 86
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	L	24.00	Slabs
76 ASR	L	5.00	Slabs

Sample Number: 06

Sample Type: R
Sample PCI: 73
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	M	24.00	Slabs
76 ASR	L	10.00	Slabs
76 ASR	M	1.00	Slabs

Sample Number: 08

Sample Type: R
Sample PCI: 58
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	M	24.00	Slabs
76 ASR	L	13.00	Slabs
76 ASR	M	3.00	Slabs

Sample Number: 11

Sample Type: R
Sample PCI: 78
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	M	24.00	Slabs
76 ASR	L	11.00	Slabs

Sample Number: 13

Sample Type: R
Sample PCI: 74
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	M	24.00	Slabs
76 ASR	L	18.00	Slabs

Sample Number: 15

Sample Type: R
Sample PCI: 61
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	M	24.00	Slabs
76 ASR	L	22.00	Slabs
76 ASR	M	2.00	Slabs

Sample Number: 17

Sample Type: R
Sample PCI: 61
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	M	24.00	Slabs
76 ASR	L	22.00	Slabs
76 ASR	M	2.00	Slabs

Sample Number: 18

Sample Type: A
Sample PCI: 55
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	H	24.00	Slabs
66 SMALL PATCH	H	2.00	Slabs
76 ASR	L	21.00	Slabs
76 ASR	M	2.00	Slabs

Branch - Section ID: T05AN - 001

Branch Name: TAXIWAY 05 Use: TAXIWAY

LCD: 10/31/1993
Surface Type: PCC
Rank: P
Section Area (sf): 25,338.00
Length (ft): 375.00
Width (ft): 35.00
From: T04AN
To: RWY 18/36

PCI Family: IowaPCCTW_SC_Enhanced

Slabs: 174
Slab Length (ft): 12.50
Slab Width (ft): 11.66
Joint Length (ft): 3,408.60

Section Comments: slabs widths vary

Last Insp Date: 3/13/2025
PCI: 59
Total Samples: 9
Surveyed: 5

Inspection Comments:

Sample Number: 01

Sample Type: R
Sample PCI: 48
Sample Area (Slabs): 24.00

Sample Comments:

63 LINEAR CR	M	2.00	Slabs
65 JT SEAL DMG	M	24.00	Slabs
76 ASR	L	6.00	Slabs
76 ASR	M	6.00	Slabs

Sample Number: 02

Sample Type: R
Sample PCI: 73
Sample Area (Slabs): 25.00

Sample Comments:

62 CORNER BREAK	M	1.00	Slabs
65 JT SEAL DMG	M	25.00	Slabs
76 ASR	L	3.00	Slabs
76 ASR	M	1.00	Slabs

Sample Number: 03

Sample Type: R
Sample PCI: 76
Sample Area (Slabs): 18.00

Sample Comments:

65 JT SEAL DMG	M	18.00	Slabs
76 ASR	L	10.00	Slabs

Sample Number: 04

Sample Type: R
Sample PCI: 51
Sample Area (Slabs): 24.00

Sample Comments:

63 LINEAR CR	M	1.00	Slabs
65 JT SEAL DMG	M	24.00	Slabs
76 ASR	L	12.00	Slabs
76 ASR	M	4.00	Slabs

Sample Number: 05

Sample Type: R

Sample PCI: 48

Sample Area (Slabs): 24.00

Sample Comments:

63 LINEAR CR	M	2.00	Slabs
65 JT SEAL DMG	M	24.00	Slabs
74 JOINT SPALL	L	1.00	Slabs
76 ASR	L	6.00	Slabs
76 ASR	M	5.00	Slabs

Branch - Section ID: T06AN - 001

Branch Name: TAXIWAY 06 Use: TAXIWAY

LCD: 10/31/1998
Surface Type: PCC
Rank: P
Section Area (sf): 50,244.00
Length (ft): 1,405.00
Width (ft): 35.00
From: T05AN
To: T07AN

PCI Family: IowaPCCTW_SC_Enhanced

Slabs: 345
Slab Length (ft): 12.50
Slab Width (ft): 11.66
Joint Length (ft): 6,857.31

Section Comments: slabs widths vary

Last Insp Date: 3/13/2025
PCI: 65
Total Samples: 18
Surveyed: 7

Inspection Comments:

Sample Number: 02

Sample Type: R
Sample PCI: 57
Sample Area (Slabs): 18.00

Sample Comments:

62 CORNER BREAK	H	2.00	Slabs
65 JT SEAL DMG	M	18.00	Slabs
76 ASR	L	18.00	Slabs

Sample Number: 04

Sample Type: R
Sample PCI: 72
Sample Area (Slabs): 18.00

Sample Comments:

65 JT SEAL DMG	H	18.00	Slabs
76 ASR	L	17.00	Slabs

Sample Number: 06

Sample Type: R
Sample PCI: 73
Sample Area (Slabs): 18.00

Sample Comments:

65 JT SEAL DMG	M	18.00	Slabs
76 ASR	L	18.00	Slabs

Sample Number: 09

Sample Type: R
Sample PCI: 73
Sample Area (Slabs): 18.00

Sample Comments:

65 JT SEAL DMG	M	18.00	Slabs
76 ASR	L	17.00	Slabs

Sample Number: 12

Sample Type: R
Sample PCI: 48
Sample Area (Slabs): 18.00

Sample Comments:

65 JT SEAL DMG	M	18.00	Slabs
66 SMALL PATCH	M	1.00	Slabs
67 LARGE PATCH	L	6.00	Slabs
76 ASR	L	14.00	Slabs
76 ASR	M	2.00	Slabs

Sample Number: 15

Sample Type: R
Sample PCI: 50
Sample Area (Slabs): 18.00

Sample Comments:

63 LINEAR CR	M	4.00	Slabs
65 JT SEAL DMG	M	18.00	Slabs
67 LARGE PATCH	L	2.00	Slabs
71 FAULTING	L	1.00	Slabs
76 ASR	L	6.00	Slabs

Sample Number: 17

Sample Type: R
Sample PCI: 77
Sample Area (Slabs): 24.00

Sample Comments:

63 LINEAR CR	L	1.00	Slabs
63 LINEAR CR	M	1.00	Slabs
65 JT SEAL DMG	M	24.00	Slabs
76 ASR	L	1.00	Slabs

Branch - Section ID: T07AN - 001

Branch Name: TAXIWAY 07 Use: TAXIWAY

LCD: 10/30/1998
Surface Type: PCC
Rank: P
Section Area (sf): 20,730.00
Length (ft): 438.00
Width (ft): 35.00
From: T06AN
To: RWY 18/36

PCI Family: IowaPCCTW_SC_Enhanced

Slabs: 142
Slab Length (ft): 12.50
Slab Width (ft): 11.66
Joint Length (ft): 2,796.66

Section Comments: slabs widths vary

Last Insp Date: 3/13/2025
PCI: 80
Total Samples: 7
Surveyed: 4

Inspection Comments:

Sample Number: 01

Sample Type: R
Sample PCI: 93
Sample Area (Slabs): 15.00

Sample Comments:

65 JT SEAL DMG	M	15.00	Slabs

Sample Number: 02

Sample Type: R
Sample PCI: 87
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	M	24.00	Slabs
67 LARGE PATCH	L	1.00	Slabs
75 CORNER SPALL	M	1.00	Slabs

Sample Number: 04

Sample Type: R
Sample PCI: 60
Sample Area (Slabs): 24.00

Sample Comments:

62 CORNER BREAK	M	2.00	Slabs
65 JT SEAL DMG	M	24.00	Slabs
66 SMALL PATCH	H	1.00	Slabs
71 FAULTING	L	3.00	Slabs
76 ASR	M	2.00	Slabs

Sample Number: 05

Sample Type: R
Sample PCI: 86
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	M	24.00	Slabs
76 ASR	L	3.00	Slabs

Branch - Section ID: T08AN - 001

Branch Name: TAXIWAY 08 Use: TAXIWAY

LCD: 10/30/1998
Surface Type: PCC
Rank: P
Section Area (sf): 26,314.00
Length (ft): 212.00
Width (ft): 120.00
From: T08AN
To: END RWY 04

PCI Family: IowaPCCTW_SC_Enhanced

Slabs: 175
Slab Length (ft): 12.50
Slab Width (ft): 12.00
Joint Length (ft): 3,954.55

Section Comments:

Last Insp Date: 3/12/2025
PCI: 45
Total Samples: 9
Surveyed: 5

Inspection Comments:

Sample Number: 03

Sample Type: R
Sample PCI: 50
Sample Area (Slabs): 20.00

Sample Comments:

63 LINEAR CR	M	1.00 Slabs
65 JT SEAL DMG	H	20.00 Slabs
76 ASR	L	8.00 Slabs
76 ASR	M	4.00 Slabs

Sample Number: 04

Sample Type: R
Sample PCI: 42
Sample Area (Slabs): 20.00

Sample Comments:

63 LINEAR CR	M	1.00 Slabs
65 JT SEAL DMG	H	20.00 Slabs
66 SMALL PATCH	L	7.00 Slabs
67 LARGE PATCH	L	1.00 Slabs
67 LARGE PATCH	L	6.00 Slabs
74 JOINT SPALL	L	1.00 Slabs
76 ASR	L	4.00 Slabs
76 ASR	M	3.00 Slabs

Sample Number: 06

Sample Type: R
Sample PCI: 43
Sample Area (Slabs): 20.00

Sample Comments:

65 JT SEAL DMG	M	20.00 Slabs
66 SMALL PATCH	L	3.00 Slabs
67 LARGE PATCH	L	6.00 Slabs
68 POPOUTS	N	2.00 Slabs
76 ASR	L	9.00 Slabs
76 ASR	M	4.00 Slabs

Sample Number: 07

Sample Type: R
Sample PCI: 48
Sample Area (Slabs): 20.00

Sample Comments:

65 JT SEAL DMG	M	20.00	Slabs
66 SMALL PATCH	L	2.00	Slabs
74 JOINT SPALL	H	1.00	Slabs
75 CORNER SPALL	L	1.00	Slabs
75 CORNER SPALL	M	2.00	Slabs
76 ASR	L	6.00	Slabs
76 ASR	M	3.00	Slabs

Sample Number: 08

Sample Type: R
Sample PCI: 41
Sample Area (Slabs): 20.00

Sample Comments:

65 JT SEAL DMG	M	20.00	Slabs
66 SMALL PATCH	L	2.00	Slabs
67 LARGE PATCH	L	1.00	Slabs
67 LARGE PATCH	M	1.00	Slabs
75 CORNER SPALL	M	1.00	Slabs
76 ASR	L	3.00	Slabs
76 ASR	M	5.00	Slabs

Branch - Section ID: T09AN - 001

Branch Name: TAXIWAY 09 Use: TAXIWAY

LCD: 10/30/1998
Surface Type: PCC
Rank: P
Section Area (sf): 26,675.00
Length (ft): 215.00
Width (ft): 120.00
From: T09AN
To: RWY 22

PCI Family: IowaPCCTW_SC_Enhanced

Slabs: 178
Slab Length (ft): 12.50
Slab Width (ft): 12.00
Joint Length (ft): 4,010.56

Section Comments:

Last Insp Date: 3/13/2025
PCI: 70
Total Samples: 10
Surveyed: 5

Inspection Comments:

Sample Number: 02

Sample Type: R
Sample PCI: 76
Sample Area (Slabs): 20.00

Sample Comments:

65 JT SEAL DMG	M	20.00	Slabs
66 SMALL PATCH	L	4.00	Slabs
75 CORNER SPALL	M	1.00	Slabs
76 ASR	L	4.00	Slabs

Sample Number: 03

Sample Type: R
Sample PCI: 48
Sample Area (Slabs): 20.00

Sample Comments:

65 JT SEAL DMG	M	20.00	Slabs
66 SMALL PATCH	H	1.00	Slabs
66 SMALL PATCH	L	1.00	Slabs
71 FAULTING	L	1.00	Slabs
75 CORNER SPALL	L	1.00	Slabs
75 CORNER SPALL	M	2.00	Slabs
76 ASR	L	8.00	Slabs
76 ASR	M	2.00	Slabs

Sample Number: 04

Sample Type: R
Sample PCI: 72
Sample Area (Slabs): 20.00

Sample Comments:

63 LINEAR CR	M	1.00	Slabs
65 JT SEAL DMG	M	20.00	Slabs
67 LARGE PATCH	L	3.00	Slabs
71 FAULTING	L	2.00	Slabs
75 CORNER SPALL	L	1.00	Slabs

Sample Number: 07

Sample Type: R
Sample PCI: 66
Sample Area (Slabs): 20.00

Sample Comments:

65 JT SEAL DMG	M	20.00	Slabs
66 SMALL PATCH	L	2.00	Slabs
67 LARGE PATCH	L	1.00	Slabs
71 FAULTING	L	2.00	Slabs
71 FAULTING	M	2.00	Slabs
76 ASR	L	3.00	Slabs

Sample Number: 08

Sample Type: R
Sample PCI: 90
Sample Area (Slabs): 16.00

Sample Comments:

65 JT SEAL DMG	M	16.00	Slabs
75 CORNER SPALL	L	1.00	Slabs

Branch - Section ID: T12AN - 001

Branch Name: TAXIWAY 12 Use: TAXIWAY

LCD: 6/1/2002
Surface Type: PCC
Rank: P
Section Area (sf): 67,840.00
Length (ft): 1,785.00
Width (ft): 35.00
From: T02AN-01
To: T08AN-01

PCI Family: IowaPCCTW_SC_Enhanced

Slabs: 485
Slab Length (ft): 12.00
Slab Width (ft): 11.66
Joint Length (ft): 9,495.22

Section Comments: slabs widths vary

Last Insp Date: 3/13/2025
PCI: 87
Total Samples: 25
Surveyed: 7

Inspection Comments:

Sample Number: 03

Sample Type: R
Sample PCI: 93
Sample Area (Slabs): 21.00

Sample Comments:

65 JT SEAL DMG	M	21.00	Slabs

Sample Number: 06

Sample Type: R
Sample PCI: 76
Sample Area (Slabs): 21.00

Sample Comments:

63 LINEAR CR	M	2.00	Slabs
65 JT SEAL DMG	H	21.00	Slabs

Sample Number: 09

Sample Type: R
Sample PCI: 84
Sample Area (Slabs): 21.00

Sample Comments:

65 JT SEAL DMG	M	21.00	Slabs
71 FAULTING	L	3.00	Slabs

Sample Number: 12

Sample Type: R
Sample PCI: 88
Sample Area (Slabs): 21.00

Sample Comments:

65 JT SEAL DMG	H	21.00	Slabs

Sample Number: 15

Sample Type: R
Sample PCI: 93
Sample Area (Slabs): 21.00

Sample Comments:

65 JT SEAL DMG	M	21.00	Slabs

Sample Number: 18

Sample Type: R
Sample PCI: 86
Sample Area (Slabs): 21.00

Sample Comments:

65 JT SEAL DMG	M	21.00	Slabs
67 LARGE PATCH	L	1.00	Slabs
75 CORNER SPALL	M	1.00	Slabs

Sample Number: 21

Sample Type: R
Sample PCI: 93
Sample Area (Slabs): 21.00

Sample Comments:

65 JT SEAL DMG	M	21.00	Slabs

Branch - Section ID: T13AN - 001

Branch Name: TAXIWAY 13 Use: TAXIWAY

LCD: 6/1/2003
Surface Type: PCC
Rank: P
Section Area (sf): 61,125.00
Length (ft): 1,678.00
Width (ft): 35.00
From: T06AN-01
To: R04AN-04

PCI Family: IowaPCCTW_SC_Enhanced

Slabs: 419
Slab Length (ft): 12.50
Slab Width (ft): 11.66
Joint Length (ft): 8,349.43

Section Comments: slabs widths vary

Last Insp Date: 3/13/2025
PCI: 83
Total Samples: 21
Surveyed: 7

Inspection Comments:

Sample Number: 03

Sample Type: R
Sample PCI: 88
Sample Area (Slabs): 21.00

Sample Comments:

65 JT SEAL DMG	H	21.00	Slabs

Sample Number: 05

Sample Type: R
Sample PCI: 88
Sample Area (Slabs): 21.00

Sample Comments:

65 JT SEAL DMG	H	21.00	Slabs

Sample Number: 08

Sample Type: R
Sample PCI: 63
Sample Area (Slabs): 21.00

Sample Comments:

65 JT SEAL DMG	H	21.00	Slabs
76 ASR	L	1.00	Slabs
76 ASR	M	3.00	Slabs

Sample Number: 10

Sample Type: R
Sample PCI: 83
Sample Area (Slabs): 21.00

Sample Comments:

65 JT SEAL DMG	H	21.00	Slabs
76 ASR	L	2.00	Slabs

Sample Number: 13

Sample Type: R
Sample PCI: 88
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	H	24.00	Slabs

Sample Number: 15

Sample Type: R
Sample PCI: 81
Sample Area (Slabs): 21.00

Sample Comments:

65 JT SEAL DMG	H	21.00	Slabs
75 CORNER SPALL	L	1.00	Slabs
76 ASR	L	1.00	Slabs

Sample Number: 18

Sample Type: R
Sample PCI: 86
Sample Area (Slabs): 21.00

Sample Comments:

65 JT SEAL DMG	H	21.00	Slabs
75 CORNER SPALL	L	1.00	Slabs

RE-INSPECTION REPORT
ANKENY REGIONAL AIRPORT

Branch - Section ID: TH01AN - 001

Branch Name: T-HANGAR 01 Use: T-HANGAR

LCD: 7/2/2004
Surface Type: PCC
Rank: P
Section Area (sf): 27,971.00
Length (ft): 810.00
Width (ft): 35.00
From: SEE MAP
To: SEE MAP

PCI Family: IowaPCCTH_SC

Slabs: 193
Slab Length (ft): 12.50
Slab Width (ft): 11.60
Joint Length (ft): 3,815.27

Section Comments:

Last Insp Date: 3/12/2025
PCI: 40
Total Samples: 10
Surveyed: 5

Inspection Comments:

Sample Number: 01

Sample Type: R
Sample PCI: 39
Sample Area (Slabs): 21.00

Sample Comments:

63	LINEAR CR	L	1.00 Slabs
63	LINEAR CR	M	1.00 Slabs
65	JT SEAL DMG	M	21.00 Slabs
66	SMALL PATCH	M	1.00 Slabs
68	POPOUTS	N	5.00 Slabs
75	CORNER SPALL	H	1.00 Slabs
75	CORNER SPALL	L	1.00 Slabs
75	CORNER SPALL	M	2.00 Slabs
76	ASR	L	9.00 Slabs
76	ASR	M	3.00 Slabs

Sample Number: 04

Sample Type: R
Sample PCI: 36
Sample Area (Slabs): 18.00

Sample Comments:

63	LINEAR CR	L	1.00 Slabs
63	LINEAR CR	M	4.00 Slabs
65	JT SEAL DMG	M	18.00 Slabs
68	POPOUTS	N	6.00 Slabs
73	SHRINKAGE CR	N	1.00 Slabs
74	JOINT SPALL	L	1.00 Slabs
75	CORNER SPALL	L	1.00 Slabs
75	CORNER SPALL	M	3.00 Slabs
76	ASR	L	3.00 Slabs
76	ASR	M	1.00 Slabs

Sample Number: 05

Sample Type: R
Sample PCI: 43
Sample Area (Slabs): 21.00

Sample Comments:

65 JT SEAL DMG	M	21.00	Slabs
66 SMALL PATCH	L	1.00	Slabs
68 POPOUTS	N	5.00	Slabs
74 JOINT SPALL	M	1.00	Slabs
76 ASR	L	6.00	Slabs
76 ASR	M	7.00	Slabs

Sample Number: 08

Sample Type: R
Sample PCI: 36
Sample Area (Slabs): 18.00

Sample Comments:

63 LINEAR CR	M	3.00	Slabs
65 JT SEAL DMG	M	18.00	Slabs
68 POPOUTS	N	5.00	Slabs
74 JOINT SPALL	M	1.00	Slabs
75 CORNER SPALL	M	2.00	Slabs
76 ASR	L	4.00	Slabs
76 ASR	M	2.00	Slabs

Sample Number: 09

Sample Type: R
Sample PCI: 44
Sample Area (Slabs): 21.00

Sample Comments:

62 CORNER BREAK	M	1.00	Slabs
63 LINEAR CR	L	1.00	Slabs
65 JT SEAL DMG	H	21.00	Slabs
66 SMALL PATCH	L	1.00	Slabs
68 POPOUTS	N	4.00	Slabs
75 CORNER SPALL	M	3.00	Slabs
76 ASR	L	8.00	Slabs
76 ASR	M	2.00	Slabs

Branch - Section ID: TH01AN - 002

Branch Name: T-HANGAR 01 Use: T-HANGAR

LCD: 1/1/1995
Surface Type: PCC
Rank: P
Section Area (sf): 72,188.00
Length (ft): 2,100.00
Width (ft): 35.00
From: SEE MAP
To: SEE MAP

PCI Family: IowaPCCTH_SC

Slabs: 429
Slab Length (ft): 14.50
Slab Width (ft): 11.60
Joint Length (ft): 9,104.70

Section Comments:

Last Insp Date: 3/12/2025
PCI: 56
Total Samples: 19
Surveyed: 7

Inspection Comments:

Sample Number: 02

Sample Type: R
Sample PCI: 37
Sample Area (Slabs): 24.00

Sample Comments:

62 CORNER BREAK	M	2.00	Slabs
63 LINEAR CR	L	2.00	Slabs
63 LINEAR CR	M	3.00	Slabs
65 JT SEAL DMG	M	24.00	Slabs
67 LARGE PATCH	L	1.00	Slabs
72 SHAT. SLAB	M	2.00	Slabs
73 SHRINKAGE CR	N	2.00	Slabs
74 JOINT SPALL	M	2.00	Slabs
76 ASR	L	7.00	Slabs

Sample Number: 05

Sample Type: R
Sample PCI: 73
Sample Area (Slabs): 24.00

Sample Comments:

65 JT SEAL DMG	M	24.00	Slabs
68 POPOUTS	N	3.00	Slabs
76 ASR	L	11.00	Slabs

Sample Number: 08

Sample Type: R
Sample PCI: 79
Sample Area (Slabs): 24.00

Sample Comments:

63 LINEAR CR	M	1.00	Slabs
65 JT SEAL DMG	H	24.00	Slabs
75 CORNER SPALL	H	1.00	Slabs

Sample Number: 10

Sample Type: R
Sample PCI: 36
Sample Area (Slabs): 14.00

Sample Comments:

62 CORNER BREAK	M	2.00	Slabs
63 LINEAR CR	M	2.00	Slabs
65 JT SEAL DMG	H	14.00	Slabs
68 POPOUTS	N	3.00	Slabs
74 JOINT SPALL	M	3.00	Slabs
75 CORNER SPALL	L	1.00	Slabs
75 CORNER SPALL	M	2.00	Slabs
76 ASR	L	2.00	Slabs

Sample Number: 13

Sample Type: R
Sample PCI: 79
Sample Area (Slabs): 24.00

Sample Comments:

63 LINEAR CR	L	1.00	Slabs
65 JT SEAL DMG	M	24.00	Slabs
66 SMALL PATCH	L	2.00	Slabs
74 JOINT SPALL	M	1.00	Slabs
76 ASR	L	2.00	Slabs

Sample Number: 16

Sample Type: R
Sample PCI: 47
Sample Area (Slabs): 24.00

Sample Comments:

63 LINEAR CR	M	3.00	Slabs
65 JT SEAL DMG	M	24.00	Slabs
66 SMALL PATCH	L	4.00	Slabs
66 SMALL PATCH	M	1.00	Slabs
67 LARGE PATCH	L	3.00	Slabs
74 JOINT SPALL	M	3.00	Slabs
75 CORNER SPALL	L	1.00	Slabs
75 CORNER SPALL	M	2.00	Slabs
76 ASR	L	8.00	Slabs

Sample Number: 18

Sample Type: R
Sample PCI: 21
Sample Area (Slabs): 16.00

Sample Comments:

63 LINEAR CR	L	6.00	Slabs
63 LINEAR CR	M	6.00	Slabs
65 JT SEAL DMG	H	16.00	Slabs
66 SMALL PATCH	L	1.00	Slabs
67 LARGE PATCH	L	1.00	Slabs
72 SHAT. SLAB	M	2.00	Slabs
74 JOINT SPALL	M	1.00	Slabs
75 CORNER SPALL	M	1.00	Slabs

Branch - Section ID: TH01AN - 004

Branch Name: T-HANGAR 01 Use: T-HANGAR

LCD: 6/3/2020
Surface Type: PCC
Rank: P
Section Area (sf): 8,388.00
Length (ft): 175.00
Width (ft): 35.00
From: SEE MAP
To: SEE MAP

PCI Family: IowaPCCTH_SC

Slabs: 96
Slab Length (ft): 10.00
Slab Width (ft): 8.70
Joint Length (ft): 1,515.35

Section Comments:

Last Insp Date: 3/12/2025
PCI: 99
Total Samples: 7
Surveyed: 4

Inspection Comments:

Sample Number: 01

Sample Type: R
Sample PCI: 98
Sample Area (Slabs): 13.00

Sample Comments:

65 JT SEAL DMG	L	13.00	Slabs

Sample Number: 03

Sample Type: R
Sample PCI: 98
Sample Area (Slabs): 14.00

Sample Comments:

65 JT SEAL DMG	L	14.00	Slabs

Sample Number: 05

Sample Type: R
Sample PCI: 100
Sample Area (Slabs): 14.00

Sample Comments:

NO DISTRESS

Sample Number: 07

Sample Type: R
Sample PCI: 98
Sample Area (Slabs): 13.00

Sample Comments:

65 JT SEAL DMG	L	13.00	Slabs

APPENDIX D

WORK HISTORY REPORT

WORK HISTORY

Pavement Database: IA 2024
Network ID: IKV

Generate Date: 6/30/2025

Network: ANKENY REGIONAL AIRPORT

Branch - Section ID: A01AN - 001

LCD: 10/31/1993
Use: APRON
Rank: P
Surface: PCC

Length (ft): 700.00
Width (ft): 233.00
True Area (sf): 159,078.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
09-20-2008	JS-LC	Joint Seal (Localized)	$0.00	0.00	False	Federal Funding - Total Amount $401,102
09-20-2008	CS-PC	Crack Sealing - PCC	$0.00	0.00	False	Federal Funding - Total Amount $401,102
09-20-2008	PA-PF	Patching - PCC Full Depth	$0.00	0.00	False	Federal Funding - Total Amount $401,102
10-31-1993	NC-IN	New Construction - Initial	$0.00	6.00	True	6" P-501
10-30-1993	BA-BI	Base Course - Bituminous	$0.00	4.00	False	6" P403 ATB
10-29-1993	SG-ST	Subgrade - Stabilized	$0.00	6.00	False	6" P-155
10-28-1993	SG-CO	Subgrade - Compacted	$0.00	6.00	False	6" P-152

Branch - Section ID: A01AN - 002

LCD: 6/1/2006
Use: APRON
Rank: P
Surface: PCC

Length (ft): 410.00
Width (ft): 275.00
True Area (sf): 97,192.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
06-01-2006	NC-PC	New Construction - PCC	$393,205.00	8.00	True	8" P-501
05-31-2006	BA-AG	Base Course - Aggregate	$0.00	6.00	False	6" P-208
05-30-2006	SG-CO	Subgrade - Compacted	$0.00	6.00	False	6" P152 Recompacted Subgrade

Branch - Section ID: A01AN - 003

LCD: 7/1/2017
Use: APRON
Rank: P
Surface: PCC

Length (ft): 325.00
Width (ft): 115.00
True Area (sf): 40,780.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
07-01-2017	NC-PC	New Construction - PCC	$0.00	0.00	True	EST. VIA GE

Branch - Section ID: A02AN - 001

LCD: 4/3/2021
Use: APRON
Rank: P
Surface: PCC

Length (ft): 300.00
Width (ft): 100.00
True Area (sf): 34,619.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
04-03-2021	NC-PC	New Construction - PCC	$0.00	7.00	True	7" PCC (IDOT CLASS C)
04-02-2021	SB-AG	Subbase - Aggregate	$0.00	6.00	False	6" MODIFIED SUBBASE
04-01-2021	SG-CO	Subgrade - Compacted	$0.00	12.00	False	12" COMPACTED SUBGRADE

WORK HISTORY

Pavement Database: IA 2024
Network ID: IKV

Generate Date: 6/30/2025

Branch - Section ID: A02AN - 002

LCD: 10/3/2021
Use: APRON
Rank: P
Surface: PCC

Length (ft): 300.00
Width (ft): 100.00
True Area (sf): 34,619.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
10-03-2021	NC-PC	New Construction - PCC	$0.00	7.00	True	7" PCC (IDOT CLASS C)
10-02-2021	SB-AG	Subbase - Aggregate	$0.00	6.00	False	6" MODIFIED SUBBASE
10-01-2021	SG-CO	Subgrade - Compacted	$0.00	12.00	False	12" COMPACTED SUBGRADE

Branch - Section ID: A02AN - 003

LCD: 8/3/2024
Use: APRON
Rank: P
Surface: PCC

Length (ft): 300.00
Width (ft): 100.00
True Area (sf): 34,507.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
08-03-2024	NC-PC	New Construction - PCC	$7,984,008.00	7.00	True	7" IDOT CLASS C PCC PAVEMENT
08-02-2024	SB-ST	Subbase - Stabilized	$0.00	6.00	False	6" IDOT 4123 MODIFIED SUBBASE
08-01-2024	SG-CO	Subgrade - Compacted	$0.00	12.00	False	12" COMPACTED SUBGRADE

Branch - Section ID: R04AN - 001

LCD: 10/30/1999
Use: RUNWAY
Rank: S
Surface: PCC

Length (ft): 1,313.00
Width (ft): 75.00
True Area (sf): 98,351.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
06-01-2021	PA-PP	Patching - PCC Partial Depth	$0.00	0.00	False	EST
11-01-2014	JS-LC	Joint Seal (Localized)	$0.00	0.00	False	-
11-01-2014	PA-PP	Patching - PCC Partial Depth	$0.00	0.00	False	-
10-30-1999	NC-PC	New Construction - PCC	$0.00	6.00	True	6" P501 PCC
10-29-1999	BA-AG	Base Course - Aggregate	$0.00	6.00	False	6" P208 ABC
10-28-1999	SG-CO	Subgrade - Compacted	$0.00	12.00	False	12" P152

Branch - Section ID: R04AN - 002

LCD: 10/31/1993
Use: RUNWAY
Rank: S
Surface: PCC

Length (ft): 263.00
Width (ft): 75.00
True Area (sf): 20,118.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
06-01-2021	PA-PP	Patching - PCC Partial Depth	$0.00	0.00	False	EST
11-01-2014	JS-LC	Joint Seal (Localized)	$0.00	0.00	False	-
01-11-2014	PA-PP	Patching - PCC Partial Depth	$0.00	0.00	False	-
09-20-2008	JS-LC	Joint Seal (Localized)	$0.00	0.00	False	Federal Funding - Total Amount $401,102
09-20-2008	CS-PC	Crack Sealing - PCC	$0.00	0.00	False	Federal Funding - Total Amount $401,102
09-20-2008	PA-PF	Patching - PCC Full Depth	$0.00	0.00	False	Federal Funding - Total Amount $401,102
10-31-1993	NC-PC	New Construction - PCC	$0.00	6.00	True	6" P501 PCC
10-30-1993	BA-BI	Base Course - Bituminous	$0.00	4.00	False	4" P403 ATB BASE
10-29-1993	SG-ST	Subgrade - Stabilized	$0.00	6.00	False	6" P155 LIME-TREATED SUBGRADE
10-28-1993	SG-CO	Subgrade - Compacted	$0.00	6.00	False	6" P152; GEOTEXTILE PLACED BETWEEN P152 & P155

WORK HISTORY

Pavement Database: IA 2024
Network ID: IKV

Generate Date: 6/30/2025

Branch - Section ID: R04AN - 003

LCD: 10/31/1993
Use: RUNWAY
Rank: S
Surface: PCC

Length (ft): 263.00
Width (ft): 75.00
True Area (sf): 20,724.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
06-01-2021	PA-PP	Patching - PCC Partial Depth	$0.00	0.00	False	EST
11-01-2014	PA-PP	Patching - PCC Partial Depth	$0.00	0.00	False	-
11-01-2014	JS-LC	Joint Seal (Localized)	$0.00	0.00	False	-
09-20-2008	PA-PF	Patching - PCC Full Depth	$0.00	0.00	False	Federal Funding - Total Amount $401,102
09-20-2008	CS-PC	Crack Sealing - PCC	$0.00	0.00	False	Federal Funding - Total Amount $401,102
09-20-2008	JS-LC	Joint Seal (Localized)	$0.00	0.00	False	Federal Funding - Total Amount $401,102
10-31-1993	NC-PC	New Construction - PCC	$0.00	6.00	True	6" P501 PCC
10-30-1993	BA-BI	Base Course - Bituminous	$0.00	4.00	False	4" P403 ATB BASE
10-29-1993	SG-ST	Subgrade - Stabilized	$0.00	6.00	False	6" P155 LIME-TREATED SUBGRADE
10-28-1993	SG-CO	Subgrade - Compacted	$0.00	6.00	False	6" P152; GEOTEXTILE PLACED BETWEEN P152 & P155

Branch - Section ID: R04AN - 004

LCD: 10/30/1999
Use: RUNWAY
Rank: S
Surface: PCC

Length (ft): 2,244.00
Width (ft): 75.00
True Area (sf): 168,335.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
06-01-2021	PA-PP	Patching - PCC Partial Depth	$0.00	0.00	False	EST
11-01-2014	SL-PC	Slab Replacement - PCC	$0.00	0.00	False	-
11-01-2014	PA-PF	Patching - PCC Full Depth	$0.00	0.00	False	-
11-01-2014	JS-LC	Joint Seal (Localized)	$0.00	0.00	False	-
10-30-1999	NC-PC	New Construction - PCC	$0.00	6.00	True	6" P501 PCC
10-29-1999	BA-AG	Base Course - Aggregate	$0.00	6.00	False	6" P208 ABC
10-28-1999	SG-CO	Subgrade - Compacted	$0.00	12.00	False	12' P152 SUBGRADE

Branch - Section ID: R18AN - 001

LCD: 10/31/1993
Use: RUNWAY
Rank: P
Surface: PCC

Length (ft): 4,000.00
Width (ft): 100.00
True Area (sf): 400,043.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
05-01-2023	PA-PF	Patching - PCC Full Depth	$0.00	0.00	False	Est
06-01-2021	SL-PC	Slab Replacement - PCC	$0.00	0.00	False	EST
06-01-2021	PA-PP	Patching - PCC Partial Depth	$0.00	0.00	False	EST
09-20-2008	JS-LC	Joint Seal (Localized)	$0.00	0.00	False	Federal Funding - Total Amount $401,102
09-20-2008	CS-PC	Crack Sealing - PCC	$0.00	0.00	False	Federal Funding - Total Amount $401,102
09-20-2008	PA-PF	Patching - PCC Full Depth	$0.00	0.00	False	Federal Funding - Total Amount $401,102
10-31-1993	NC-PC	New Construction - PCC	$0.00	6.00	True	6" P501 PCC
10-30-1993	BA-BI	Base Course - Bituminous	$0.00	4.00	False	4" P403 ATB BASE
10-29-1993	SG-ST	Subgrade - Stabilized	$0.00	6.00	False	6" P155 LIME-TREATED SUBGRADE
10-28-1993	SG-CO	Subgrade - Compacted	$0.00	6.00	False	6" P152; GEOTEXTILE PLACED BETWEEN P152 & P155

WORK HISTORY

Branch - Section ID: R18AN - 002

LCD: 10/31/1998
Use: RUNWAY
Rank: P
Surface: PCC

Length (ft): 1,500.00
Width (ft): 100.00
True Area (sf): 150,023.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
05-01-2023	PA-PF	Patching - PCC Full Depth	$0.00	0.00	False	EST
06-01-2021	PA-PP	Patching - PCC Partial Depth	$0.00	0.00	False	EST
09-20-2008	JS-LC	Joint Seal (Localized)	$0.00	0.00	False	Federal Funding - Total Amount $401,102
09-20-2008	CS-PC	Crack Sealing - PCC	$0.00	0.00	False	Federal Funding - Total Amount $401,102
09-20-2008	PA-PF	Patching - PCC Full Depth	$0.00	0.00	False	Federal Funding - Total Amount $401,102
10-31-1998	NC-IN	New Construction - Initial	$0.00	0.00	True	-

Branch - Section ID: T01AN - 001

LCD: 6/3/2020
Use: TAXIWAY
Rank: P
Surface: PCC

Length (ft): 1,460.00
Width (ft): 35.00
True Area (sf): 65,478.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
06-03-2020	CR-PC	Complete Reconstruction - PCC	$300,150.00	8.00	True	8" P-501 PCC
06-02-2020	BA-AG	Base Course - Aggregate	$0.00	6.00	False	6" P-219 RECYCLED AGG BASE
06-01-2020	SB-AG	Subbase - Aggregate	$0.00	12.00	False	12" AGG SUBBASE
09-20-2008	PA-PF	Patching - PCC Full Depth	$0.00	0.00	False	Federal Funding - Total Amount $401,102
09-20-2008	JS-LC	Joint Seal (Localized)	$0.00	0.00	False	Federal Funding - Total Amount $401,102
09-20-2008	CS-PC	Crack Sealing - PCC	$0.00	0.00	False	Federal Funding - Total Amount $401,102
10-31-1993	NC-PC	New Construction - PCC	$0.00	6.00	True	6" P501 PCC
10-30-1993	BA-BI	Base Course - Bituminous	$0.00	4.00	False	4" P403 ATB BASE
10-29-1993	SG-ST	Subgrade - Stabilized	$0.00	6.00	False	6" P155 LIME-TREATED SUBGRADE
10-28-1993	SG-CO	Subgrade - Compacted	$0.00	6.00	False	6" P152; GEOTEXTILE PLACED BETWEEN P152 & P155

Branch - Section ID: T01AN - 002

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

Length (ft): 928.00
Width (ft): 35.00
True Area (sf): 36,712.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
08-15-2008	JS-LC	Joint Seal (Localized)	$0.00	0.00	False	Federal Funding - Total Amount $401,102
06-01-2002	NC-IN	New Construction - Initial	$0.00	6.00	True	6" P-501
05-31-2002	BA-AG	Base Course - Aggregate	$0.00	6.00	False	6" P-208
05-30-2002	SG-CO	Subgrade - Compacted	$0.00	12.00	False	12" P-152

WORK HISTORY

Branch - Section ID: T02AN - 001

LCD: 10/31/1993
Use: TAXIWAY
Rank: P
Surface: PCC

Length (ft): 1,685.00
Width (ft): 35.00
True Area (sf): 59,983.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
06-02-2020	JS-LC	Joint Seal (Localized)	$0.00	0.00	False	Fill incidental spalls with joint seal.
06-02-2020	CS-PC	Crack Sealing - PCC	$0.00	0.00	False	-
06-01-2020	PA-PP	Patching - PCC Partial Depth	$0.00	0.00	False	-
06-01-2020	SL-PC	Slab Replacement - PCC	$0.00	0.00	False	-
09-20-2008	JS-LC	Joint Seal (Localized)	$0.00	0.00	False	Federal Funding - Total Amount $401,102
09-20-2008	PA-PF	Patching - PCC Full Depth	$0.00	0.00	False	Federal Funding - Total Amount $401,102
09-20-2008	CS-PC	Crack Sealing - PCC	$0.00	0.00	False	Federal Funding - Total Amount $401,102
10-31-1993	NC-PC	New Construction - PCC	$0.00	6.00	True	6" P-501
10-30-1993	BA-BI	Base Course - Bituminous	$0.00	4.00	False	4" P403 ATB
10-29-1993	SG-ST	Subgrade - Stabilized	$0.00	6.00	False	6" P-155
10-28-1993	SG-CO	Subgrade - Compacted	$0.00	6.00	False	6" P-152

Branch - Section ID: T03AN - 001

LCD: 10/31/1993
Use: TAXIWAY
Rank: P
Surface: PCC

Length (ft): 465.00
Width (ft): 35.00
True Area (sf): 27,867.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
06-02-2020	CS-PC	Crack Sealing - PCC	$0.00	0.00	False	Crack seal
06-01-2020	PA-PP	Patching - PCC Partial Depth	$0.00	0.00	False	-
09-20-2008	CS-PC	Crack Sealing - PCC	$0.00	0.00	False	Federal Funding - Total Amount $401,102
09-20-2008	PA-PF	Patching - PCC Full Depth	$0.00	0.00	False	Federal Funding - Total Amount $401,102
09-20-2008	JS-LC	Joint Seal (Localized)	$0.00	0.00	False	Federal Funding - Total Amount $401,102
10-31-1993	NC-PC	New Construction - PCC	$0.00	6.00	True	6" P-501
10-30-1993	BA-BI	Base Course - Bituminous	$0.00	4.00	False	4" P-403 ATB
10-29-1993	SG-ST	Subgrade - Stabilized	$0.00	6.00	False	6" P-155
10-28-1993	SG-CO	Subgrade - Compacted	$0.00	6.00	False	6" P152

Branch - Section ID: T04AN - 001

LCD: 10/3/1993
Use: TAXIWAY
Rank: P
Surface: PCC

Length (ft): 1,831.00
Width (ft): 35.00
True Area (sf): 64,988.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
09-20-2008	JS-LC	Joint Seal (Localized)	$0.00	0.00	False	Federal Funding - Total Amount $401,102
09-20-2008	PA-PF	Patching - PCC Full Depth	$0.00	0.00	False	Federal Funding - Total Amount $401,102
09-20-2008	CS-PC	Crack Sealing - PCC	$0.00	0.00	False	Federal Funding - Total Amount $401,102
10-03-1993	NC-IN	New Construction - Initial	$0.00	6.00	True	6" P-501
10-02-1993	BA-BI	Base Course - Bituminous	$0.00	4.00	False	4" P403 ATB
10-01-1993	SG-ST	Subgrade - Stabilized	$0.00	6.00	False	6" P-155
09-30-1993	SG-CO	Subgrade - Compacted	$0.00	6.00	False	6" P-152

WORK HISTORY

Branch - Section ID: T05AN - 001

LCD: 10/31/1993
Use: TAXIWAY
Rank: P
Surface: PCC

Length (ft): 375.00
Width (ft): 35.00
True Area (sf): 25,338.00

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-PP	Patching - PCC Partial Depth	$0.00	0.00	False	EST
09-20-2008	CS-PC	Crack Sealing - PCC	$0.00	0.00	False	Federal Funding - Total Amount $401,102
09-20-2008	PA-PF	Patching - PCC Full Depth	$0.00	0.00	False	Federal Funding - Total Amount $401,102
09-20-2008	JS-LC	Joint Seal (Localized)	$0.00	0.00	False	Federal Funding - Total Amount $401,102
10-31-1993	NC-IN	New Construction - Initial	$0.00	6.00	True	6" P-501
10-30-1993	BA-BI	Base Course - Bituminous	$0.00	4.00	False	4" P403 ATB
10-29-1993	SG-ST	Subgrade - Stabilized	$0.00	6.00	False	6" P-155
10-28-1993	SG-CO	Subgrade - Compacted	$0.00	6.00	False	6" P-152

Branch - Section ID: T06AN - 001

LCD: 10/31/1998
Use: TAXIWAY
Rank: P
Surface: PCC

Length (ft): 1,405.00
Width (ft): 35.00
True Area (sf): 50,244.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
06-01-2021	PA-PP	Patching - PCC Partial Depth	$0.00	0.00	False	EST
06-01-2016	PA-PP	Patching - PCC Partial Depth	$0.00	0.00	False	FIELD ESTIMATE
09-20-2008	CS-PC	Crack Sealing - PCC	$0.00	0.00	False	Federal Funding - Total Amount $401,102
09-20-2008	JS-LC	Joint Seal (Localized)	$0.00	0.00	False	Federal Funding - Total Amount $401,102
10-31-1998	NC-IN	New Construction - Initial	$0.00	0.00	True	-

Branch - Section ID: T07AN - 001

LCD: 10/30/1998
Use: TAXIWAY
Rank: P
Surface: PCC

Length (ft): 438.00
Width (ft): 35.00
True Area (sf): 20,730.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
06-01-2021	PA-PP	Patching - PCC Partial Depth	$0.00	0.00	False	EST
09-20-2008	CS-PC	Crack Sealing - PCC	$0.00	0.00	False	Federal Funding - Total Amount $401,102
09-20-2008	PA-PF	Patching - PCC Full Depth	$0.00	0.00	False	Federal Funding - Total Amount $401,102
09-20-2008	JS-LC	Joint Seal (Localized)	$0.00	0.00	False	Federal Funding - Total Amount $401,102
10-30-1998	NC-IN	New Construction - Initial	$0.00	0.00	True	-

Branch - Section ID: T08AN - 001

LCD: 10/30/1998
Use: TAXIWAY
Rank: P
Surface: PCC

Length (ft): 212.00
Width (ft): 120.00
True Area (sf): 26,314.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
06-01-2021	PA-PP	Patching - PCC Partial Depth	$0.00	0.00	False	EST
11-01-2014	PA-PP	Patching - PCC Partial Depth	$0.00	0.00	False	-
11-01-2014	JS-LC	Joint Seal (Localized)	$0.00	0.00	False	-
10-30-1998	NC-IN	New Construction - Initial	$0.00	0.00	True	-

WORK HISTORY

Branch - Section ID: T09AN - 001

LCD: 10/30/1998
Use: TAXIWAY
Rank: P
Surface: PCC

Length (ft): 215.00
Width (ft): 120.00
True Area (sf): 26,675.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
11-01-2014	PA-PF	Patching - PCC Full Depth	$0.00	0.00	False	-
11-01-2014	JS-LC	Joint Seal (Localized)	$0.00	0.00	False	-
11-01-2014	SL-PC	Slab Replacement - PCC	$0.00	0.00	False	-
10-30-1998	NC-IN	New Construction - Initial	$0.00	0.00	True	-

Branch - Section ID: T12AN - 001

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

Length (ft): 1,785.00
Width (ft): 35.00
True Area (sf): 67,840.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
11-01-2014	JS-LC	Joint Seal (Localized)	$0.00	0.00	False	-
11-01-2014	SL-PC	Slab Replacement - PCC	$0.00	0.00	False	-
06-01-2002	NC-IN	New Construction - Initial	$0.00	6.00	True	6" P-501
05-31-2002	BA-AG	Base Course - Aggregate	$0.00	6.00	False	6" P-208
05-30-2002	SG-CO	Subgrade - Compacted	$0.00	12.00	False	12" P-152

Branch - Section ID: T13AN - 001

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

Length (ft): 1,678.00
Width (ft): 35.00
True Area (sf): 61,125.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
06-01-2003	NC-IN	New Construction - Initial	$0.00	6.00	True	6" P-501
05-31-2003	BA-AG	Base Course - Aggregate	$0.00	6.00	False	6" P-208
05-30-2003	SG-CO	Subgrade - Compacted	$0.00	12.00	False	12" P-152

Branch - Section ID: TH01AN - 001

LCD: 7/2/2004
Use: T-HANGAR
Rank: P
Surface: PCC

Length (ft): 810.00
Width (ft): 35.00
True Area (sf): 27,971.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
06-01-2020	CS-PC	Crack Sealing - PCC	$0.00	0.00	False	Crack seal
06-01-2020	JS-LC	Joint Seal (Localized)	$0.00	0.00	False	localized
06-01-2020	PA-PP	Patching - PCC Partial Depth	$0.00	0.00	False	-
07-02-2004	NC-PC	New Construction - PCC	$0.00	6.00	True	-
07-01-2004	BA-AG	Base Course - Aggregate	$0.00	6.00	False	6" P-208 CABC

WORK HISTORY

Branch - Section ID: TH01AN - 002

LCD: 1/1/1995
Use: T-HANGAR
Rank: P
Surface: PCC

Length (ft): 2,100.00
Width (ft): 35.00
True Area (sf): 72,188.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
06-02-2020	CS-PC	Crack Sealing - PCC	$0.00	0.00	False	-
06-02-2020	JS-LC	Joint Seal (Localized)	$0.00	0.00	False	-
06-01-2020	PA-PP	Patching - PCC Partial Depth	$0.00	0.00	False	-
01-01-1995	NC-PC	New Construction - PCC	$0.00	0.00	True	EST. VIA GE

Branch - Section ID: TH01AN - 004

LCD: 6/3/2020
Use: T-HANGAR
Rank: P
Surface: PCC

Length (ft): 175.00
Width (ft): 35.00
True Area (sf): 8,388.00

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major MR	Comments
06-03-2020	CR-PC	Complete Reconstruction - PCC	$814,920.00	6.00	True	6" P-501 PCC
06-02-2020	BA-AG	Base Course - Aggregate	$0.00	6.00	False	6" P-219 RECYCLED AGG BASE
06-01-2020	SB-AG	Subbase - Aggregate	$0.00	12.00	False	12" AGG SUBBASE
01-01-1995	NC-PC	New Construction - PCC	$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.

Distress Type	Severity Level	Maintenance Action
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.

Distress Type	Severity Level	Maintenance Action
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. 2025 unit costs for localized preventive maintenance actions.

Maintenance Action	Unit Cost
Asphalt Patch—Asphalt-Surfaced Pavement	$15.90/sf
Crack Sealing—Asphalt-Surfaced Pavement	$2.72/lf
Partial Depth PCC Patch—PCC Pavement	$40.74/sf
Full Depth PCC Patch—PCC Pavement	$18.19/sf
Crack Sealing—PCC Pavement	$3.27/lf
Joint Sealing—PCC Pavement	$3.27/lf
Grinding—PCC Pavement	$0.39/sf
Slab Replacement—PCC Pavement	$18.19/sf

Table Note: The unit cost estimates are based on broad statewide numbers and should be adjusted to reflect local costs.

Table E-4. 2025 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
Asphalt-surfaced	$11.29	$5.34	$5.34	$5.34	$0.00	$0.00	$0.00
PCC	$18.86	$8.92	$8.92	$8.92	$0.00	$0.00	$0.00

Table Notes:

- The unit cost estimates are based on broad statewide numbers and should be adjusted to reflect local costs.
- Pavement Type: Asphalt-surfaced = AC (asphalt cement concrete), AAC (asphalt overlay on AC), or APC (asphalt overlay on PCC); PCC = portland cement concrete

APPENDIX F

YEAR 2025 LOCALIZED PREVENTIVE MAINTENANCE DETAILS

Table F-1. Year 2025 localized preventive maintenance details.

Branch	Section	Distress Type	Severity	Distress Quantity	Distress Unit	Maintenance Action	Unit Cost	2025 Estimated Cost
A01AN	02	ASR	Medium	62	Slabs	Slab Replacement - PCC	$18.19	$176,784
A01AN	02	Joint Seal Damage	High	622	Slabs	Joint Seal (Localized)	$3.27	$48,920
A01AN	02	Joint Spalling	Medium	4	Slabs	Patching - PCC Partial Depth	$40.74	$1,023
A01AN	02	LTD Cracking	Medium	8	Slabs	Crack Sealing - PCC	$3.27	$318
A01AN	03	Joint Seal Damage	Medium	338	Slabs	Joint Seal (Localized)	$3.27	$22,726
R04AN	01	Corner Spalling	Medium	94	Slabs	Patching - PCC Partial Depth	$40.74	$10,262
R04AN	01	Joint Seal Damage	Medium	449	Slabs	Joint Seal (Localized)	$3.27	$33,517
R04AN	01	Joint Seal Damage	High	180	Slabs	Joint Seal (Localized)	$3.27	$13,407
R04AN	01	Joint Spalling	Medium	7	Slabs	Patching - PCC Partial Depth	$40.74	$1,970
R04AN	01	Joint Spalling	High	4	Slabs	Patching - PCC Partial Depth	$40.74	$1,231
R04AN	01	Small Patch	Medium	7	Slabs	Patching - PCC Full Depth	$18.19	$367
T01AN	02	Joint Seal Damage	Medium	168	Slabs	Joint Seal (Localized)	$3.27	$10,893
T04AN	01	ASR	Medium	22	Slabs	Slab Replacement - PCC	$18.19	$58,579
T04AN	01	Joint Seal Damage	Medium	362	Slabs	Joint Seal (Localized)	$3.27	$23,551
T04AN	01	Joint Seal Damage	High	24	Slabs	Joint Seal (Localized)	$3.27	$1,563
T04AN	01	Small Patch	High	2	Slabs	Patching - PCC Full Depth	$18.19	$98
T07AN	01	ASR	Medium	3	Slabs	Slab Replacement - PCC	$18.19	$8,654
T07AN	01	Corner Break	Medium	3	Slabs	Patching - PCC Full Depth	$18.19	$1,917
T07AN	01	Corner Spalling	Medium	2	Slabs	Patching - PCC Partial Depth	$40.74	$179
T07AN	01	Joint Seal Damage	Medium	142	Slabs	Joint Seal (Localized)	$3.27	$9,145
T07AN	01	Small Patch	High	2	Slabs	Patching - PCC Full Depth	$18.19	$80
T09AN	01	ASR	Medium	4	Slabs	Slab Replacement - PCC	$18.19	$10,118

Table F-1. Year 2025 localized preventive maintenance details (continued).

Branch	Section	Distress Type	Severity	Distress Quantity	Distress Unit	Maintenance Action	Unit Cost	2025 Estimated Cost
T09AN	01	Corner Spalling	Medium	6	Slabs	Patching - PCC Partial Depth	$40.74	$610
T09AN	01	Faulting	Medium	4	Slabs	Grinding (Localized)	$0.39	$17
T09AN	01	Joint Seal Damage	Medium	178	Slabs	Joint Seal (Localized)	$3.27	$13,114
T09AN	01	LTD Cracking	Medium	2	Slabs	Crack Sealing - PCC	$3.27	$74
T09AN	01	Small Patch	High	2	Slabs	Patching - PCC Full Depth	$18.19	$91
T12AN	01	Corner Spalling	Medium	3	Slabs	Patching - PCC Partial Depth	$40.74	$362
T12AN	01	Joint Seal Damage	Medium	346	Slabs	Joint Seal (Localized)	$3.27	$22,178
T12AN	01	Joint Seal Damage	High	139	Slabs	Joint Seal (Localized)	$3.27	$8,871
T12AN	01	LTD Cracking	Medium	7	Slabs	Crack Sealing - PCC	$3.27	$255
T13AN	01	ASR	Medium	8	Slabs	Slab Replacement - PCC	$18.19	$22,217
T13AN	01	Joint Seal Damage	High	419	Slabs	Joint Seal (Localized)	$3.27	$27,303

Table Notes:

1. See Figure 3 for the location of the branch and section.
2. Distress types are defined by ASTM D5340. 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 adjustments to reflect specific conditions at Ankeny Regional Airport.

PREPARED FOR

Iowa Department of Transportation
Modal Transportation Bureau
800 Lincoln Way
Ames, Iowa 50010
515-239-1691
https://iowadot.gov/modes-travel/aviation

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