2023 ODAV Pavement Evaluation Program Brookings Airport

Brookings, Oregon

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Prepared for

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Prepared by



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1 OVERVIEW

GRI assisted with updating the Oregon Department of Aviation (ODAV) airport pavement management system and developing a five-year plan comprised of maintenance, surface treatment, rehabilitation, and reconstruction projects for the Brookings Airport in Brookings, Oregon. This project was implemented as part of the ODAV and Federal Aviation Administration (FAA) *Oregon Continuous Aviation System Plan*. The information provided in this report ensures compliance with FAA Grant Assurance Number 11, which outlines that an airport shall have an effective airport pavement maintenance-management program in place to receive federal financial assistance for the construction, reconstruction, or repair of airport pavements.

GRI conducted surveys of the airside pavement at Brookings Airport in 2023 in accordance with the procedures of Advisory Circular 150/5380-7B and ASTM International (ASTM) D5340. We uploaded the survey data into the PAVER database and used the software to provide a rapid calculation of the pavement condition index (PCI) rating. The PCI is a numerical indicator that defines the functional condition of the pavement based on visual inspection. The scale ranges from zero to 100, where zero represents a pavement in the worst possible condition with no remaining functional life and 100 represents a pavement in the best possible condition with no defects.

2 PAVEMENT INVENTORY

Brookings Airport is located in Brookings, Oregon, and is owned and operated by the City of Brookings. The airport consists of a single runway, a primary taxiway, and multiple connector taxiways, taxilanes, and multiple aprons that serve a variety of general aviation, air taxi, and military aircraft. The general location of the airport is shown below on the Brookings Airport Location Map, Figure 2.1.





Figure 2.1: BROOKINGS AIRPORT LOCATION MAP

The airside pavements at the Brookings Airport are comprised of asphalt concrete (AC) and AC overlaid with AC (AAC). The airport pavements, delineated by surface type and branch use, are shown on the Brookings Airport Percent of Pavement Area by Surface Type, Figure 2.2, and on the Brookings Airport Pavement Area by Branch Use, Figure 2.3, shown below. The pavement inventory, including work history for each pavement section, is displayed spatially on the Brookings Airport Pavement Inventory, Figure 2.4. The pavement facilities summarized by branch and section are listed in Tables 1A and 2A, respectively, in Appendix A. The sample unit layout for each section is shown on Figure 1A in Appendix A. We used the sampling rates outlined in Table 3A of Appendix A in our survey. The pavement inventory, including work history for individual airport pavement sections, is provided in the work history report, Table 1F.



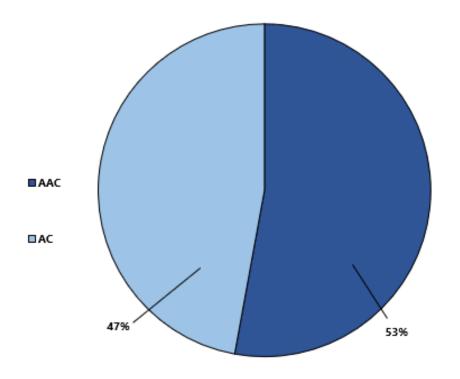


Figure 2.2: BROOKINGS AIRPORT PERCENT OF PAVEMENT AREA BY SURFACE TYPE

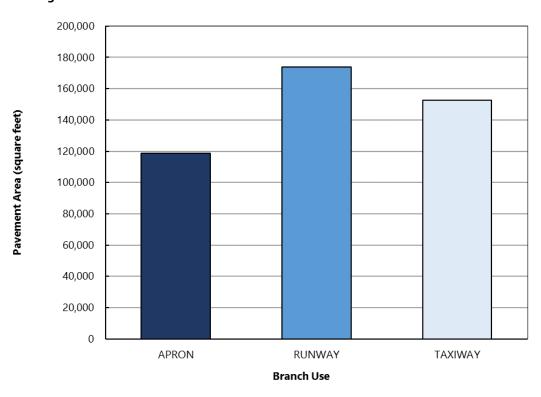
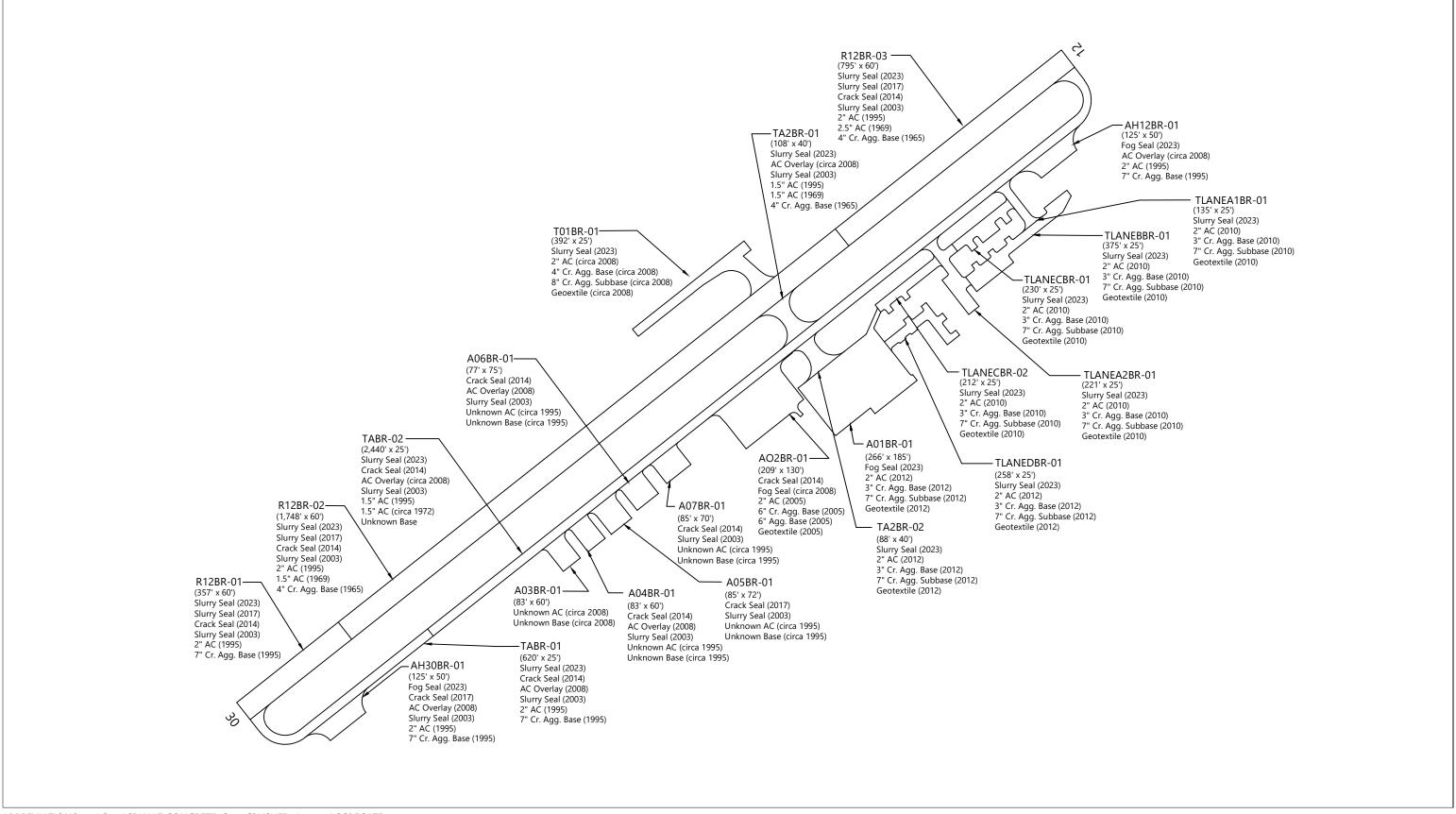


Figure 2.3: BROOKINGS AIRPORT PAVEMENT AREA BY BRANCH USE



ABBREVIATIONS: AC = ASPHALT CONCRETE; Cr. = CRUSHED; Agg. = AGGREGATE

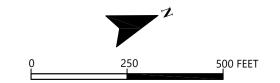




FIG. 2.4



3 PAVEMENT CONDITION INSPECTION RESULTS

3.1 Introduction

GRI conducted a visual PCI survey of the airside pavements at Brookings Airport in 2023. The 2023 survey work was performed on sections last inspected in 2019 in order to update the Brookings Airport inspection data. GRI performed the 2023 PCI survey in accordance with the methods described in FAA Advisory Circular 150/5380-6C and ASTM D5340 and further discussed in Appendix B of this report.

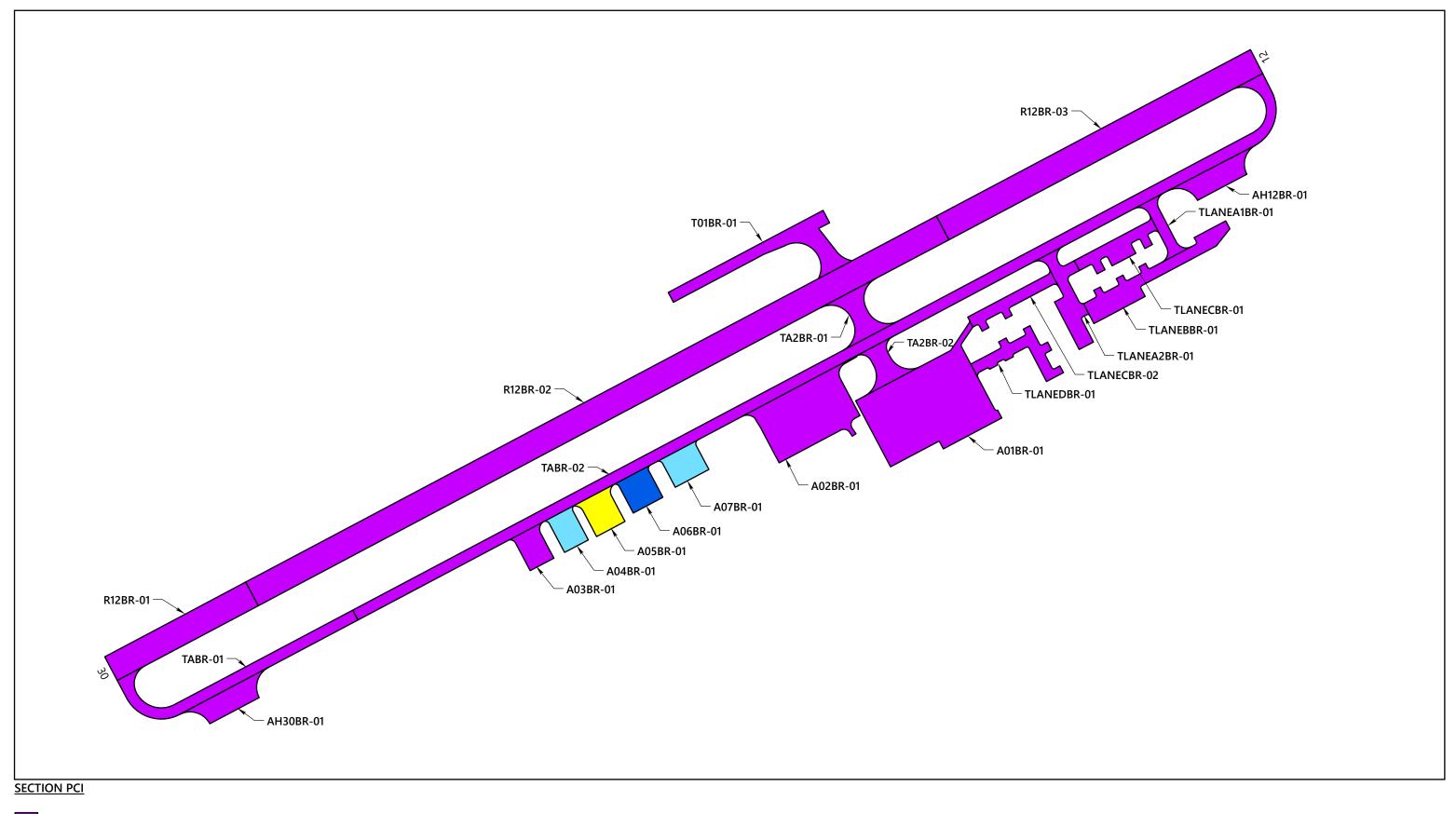
The PCI is based on the type, severity, and quantity of each distress found in an inspected sample unit. Further discussion of distress types for flexible and rigid pavement is provided in Appendix B and summarized in Table 1B in Appendix B. The results of the PCI survey are displayed using a seven-category rating scale in accordance with ASTM D5340. Details of the ASTM PCI rating scale are provided in Table 3-1 below.

PCI Color Legend **PCI** Range **PCI Rating and Definition** GOOD: Pavement has minor or no distresses and should require only routine 86 - 100maintenance. SATISFACTORY: Pavement has scattered low-severity distresses that should require only 71 - 85routine maintenance. FAIR: Pavement has a combination of generally low- and medium-severity distresses. 56 - 70Maintenance and repair needs may range from routine to major. POOR: Pavement has low-, medium-, and high-severity distresses that probably cause 41 – 55 some operational problems. M&R needs will be major. VERY POOR: Pavement has predominantly medium- and high-severity distresses that 26 – 40 cause considerable maintenance and operational problems. M&R needs will be major. SERIOUS: Pavement has mainly high-severity distresses that may affect operational 11 - 25safety; immediate repairs are needed. FAILED: Pavement deterioration has progressed to the point that safe aircraft 0 - 10operations are no longer possible; complete reconstruction is required.

Table 3-1: ASTM PCI RATING SCALE

3.2 Pavement Condition Index Survey Results

The area-weighted average PCI for all airport pavements at Brookings Airport is approximately 91. The section PCIs ranged from a low of 27 to a high of 100. The primary distresses observed during the inspection were weathering, longitudinal and transverse cracking, block cracking, and fatigue (alligator) cracking on AC-surfaced pavements. Section PCIs following our pavement survey are displayed below spatially on the Brookings Airport 2023 PCI Survey Results, Figure 3.1.



(86 - 100) GOOD

(71 - 85) SATISFACTORY

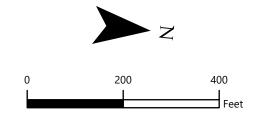
(56 - 70) FAIR

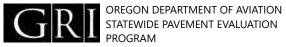
(41 - 55) POOR

(26 - 40) VERY POOR

(11 - 25) SERIOUS

(0 - 10) FAILED





2023 PCI SURVEY RESULTS BROOKINGS AIRPORT

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The condition distribution of the network by percent of total pavement area is provided on the Brookings Airport Pavement Condition Rating by Percent of Area, Figure 3.2. A summary of the pavement condition results by branch and section is included in Tables 2B and 3B of Appendix B, respectively. A comparison between the previous inspection and the 2023 inspection is provided in Table 4B in Appendix B. The re-inspection report that includes inspection details for individual sample units is provided in Table 1E in Appendix E.

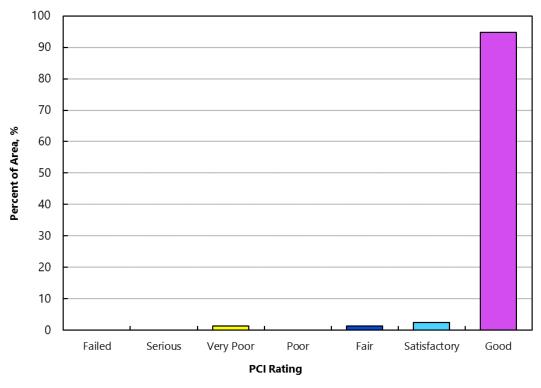


Figure 3.2: BROOKINGS AIRPORT PAVEMENT CONDITION RATING BY PERCENT OF AREA



4 FUTURE PAVEMENT CONDITION ANALYSIS

4.1 Introduction

In addition to assessing the current condition of a pavement, it is very important from a planning standpoint to be able to predict with reasonable accuracy the future condition. Additional details regarding our future pavement condition analysis, including pavement condition prediction models, are provided in Appendix C. PCI performance curves developed for Brookings Airport are displayed on Figures 1C through 3C in Appendix C.

4.2 Future Condition Analysis

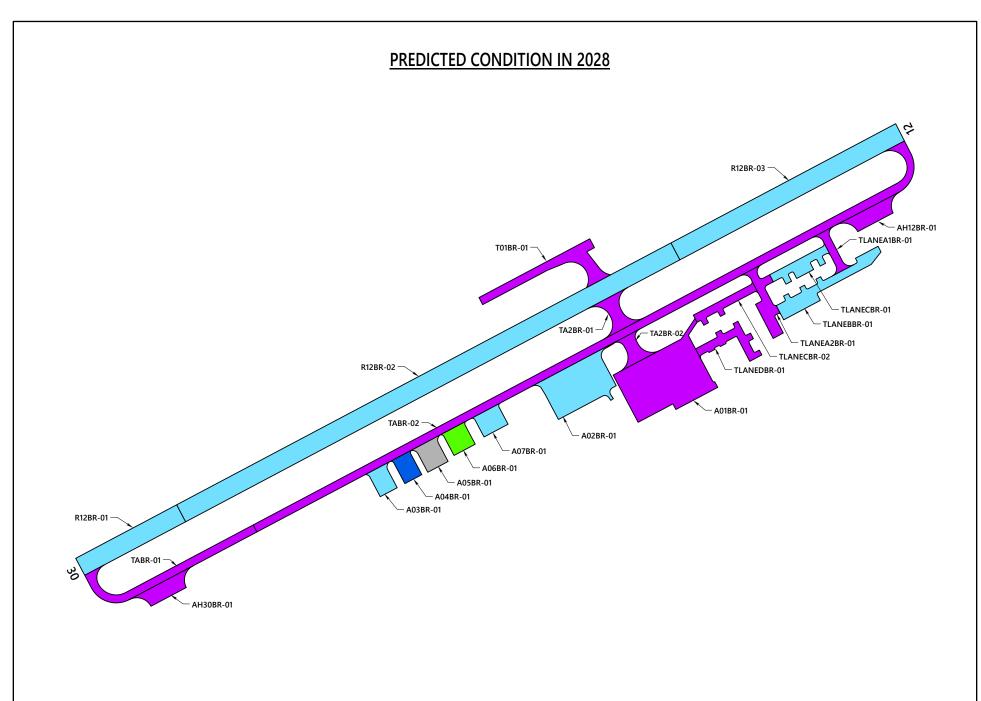
Using the condition prediction models discussed above, the projected condition of each pavement section was determined for 5- and 10-year periods. Based on this analysis, we project the PCI to decrease from a current value of 91 to a value of 86 in 2028 and 81 in 2033 if no maintenance or rehabilitation work is performed. The projected pavement condition in 5 years and 10 years for each pavement section at Brookings Airport is displayed spatially on the Brookings Airport Future Pavement Condition , Figure 4.1, and listed in Table 1C in Appendix C, along with the past and present PCI values for the pavement network.

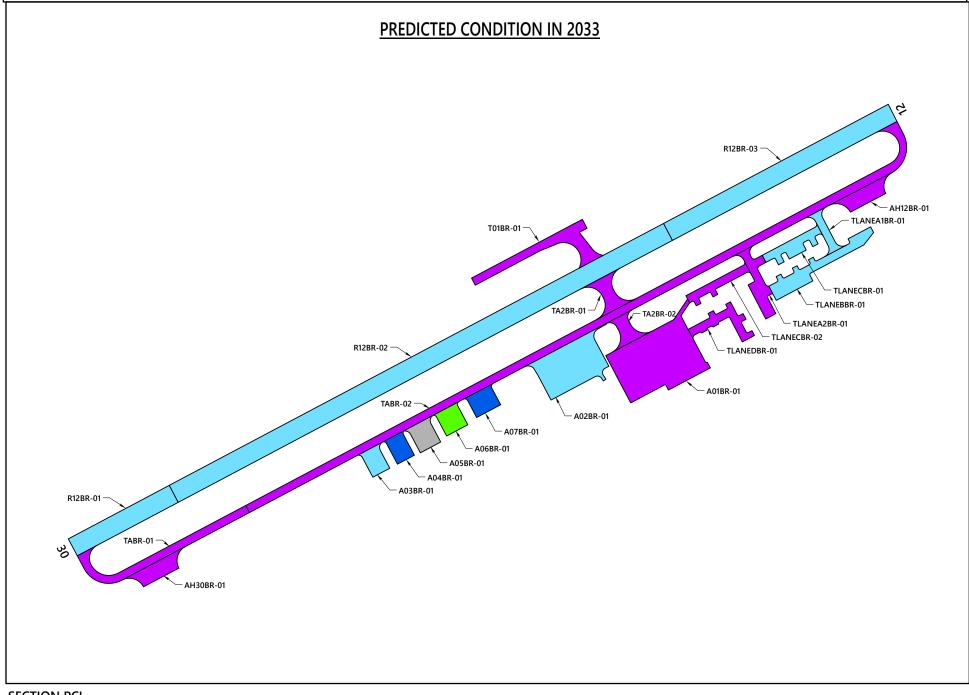
4.3 Functional Remaining Life

Functional remaining life is the practical amount of time a pavement is in service before requiring rehabilitation, as estimated solely based on visual condition. This is not to be confused with structural remaining life, which requires analysis of the structural capacity of a pavement and typically a field exploration and testing program that includes core explorations and falling weight deflectometer (FWD) deflection tests.

We calculated two forms of functional remaining life based on the current visual condition surveys of the pavement at Brookings Airport. The first type of functional remaining life is the time until rehabilitation, such as an overlay, is needed. The critical PCI, further discussed in Section C.3 of Appendix C, is the threshold used for this type of functional remaining-life analysis. The second type of functional remaining life is the time until the pavement is no longer operational due to high foreign object debris (FOD) potential and increased safety concerns for trafficking aircraft. A PCI of 40 was set as the trigger point for the end of the pavement's functional service life with regard to FOD potential.

The two types of functional remaining life for each section at Brookings Airport are summarized in Table 2C in Appendix C.





SECTION PCI

(86 - 100) GOOD

(71 - 85) SATISFACTORY

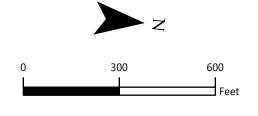
(56 - 70) FAIR

(41 - 55) POOR

(26 - 40) VERY POOR

(11 - 25) SERIOUS

(0 - 10) FAILED





FUTURE PAVEMENT CONDITION BROOKINGS AIRPORT

FIG. 4.1

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5 MAINTENANCE AND REHABILITATION PROJECT RECOMMENDATIONS

5.1 Introduction

We evaluated M&R needs, as determined from the PAVER analysis results, in order to develop localized maintenance, surface treatment, rehabilitation, and reconstruction needs. Details of our M&R work priorities and unit costs for work activities are provided in Tables 1D and 2D, respectively, in Appendix D.

5.2 Recommended Localized Maintenance

Localized maintenance refers to activities such as crack sealing and patching, which should be performed annually in order to properly maintain aging pavements. Using the PAVER Localized Distress Maintenance Analysis tool, we developed a list of recommended localized maintenance. This list is shown in Table 3D in Appendix D and is independent of the surface treatments, rehabilitation, and reconstruction projects associated with the five-year surface treatment and rehabilitation work plan. A summary of total localized maintenance quantities is provided in Table 5-1 below.

Table 5-1: LOCALIZED MAINTENANCE QUANTITIES

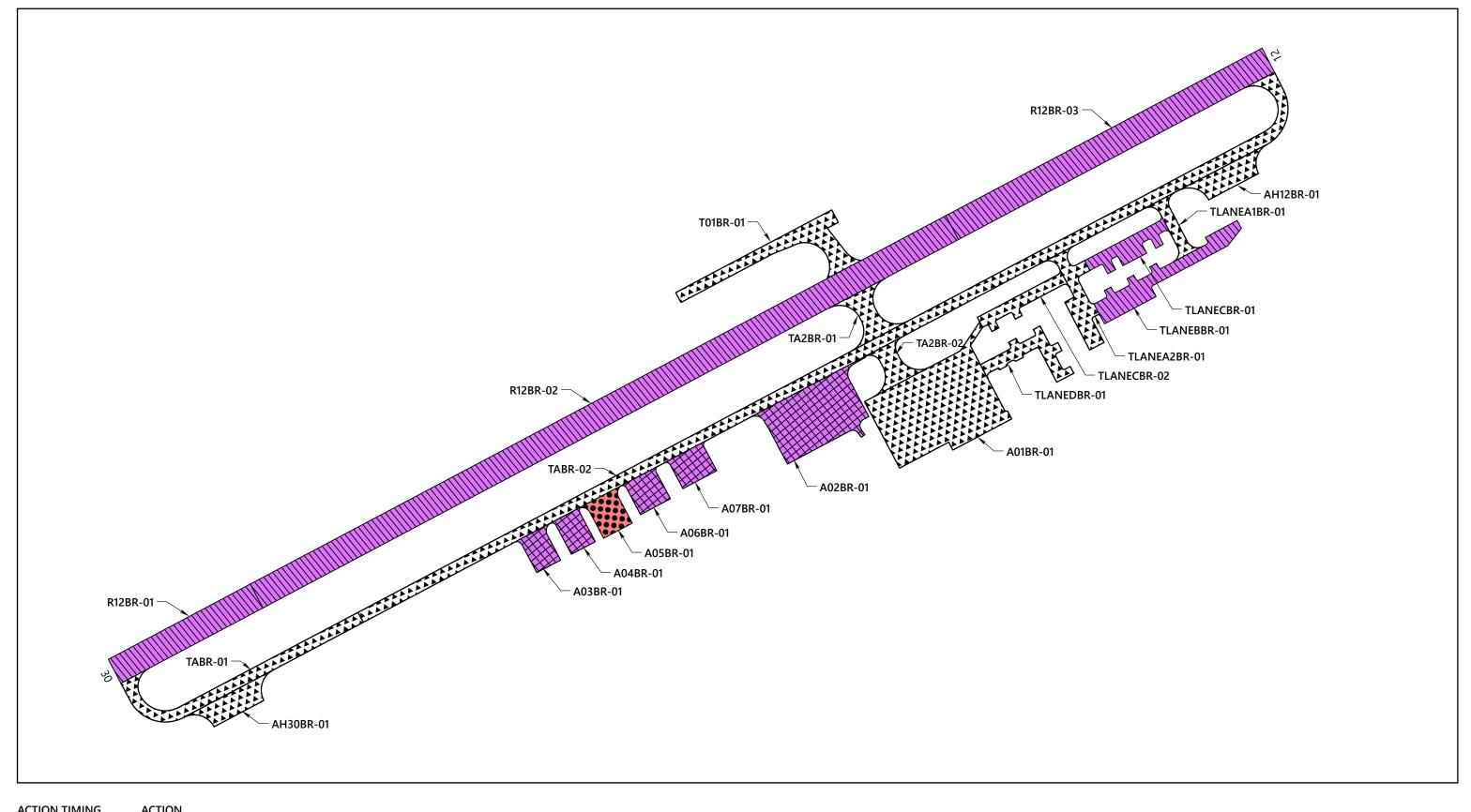
Localized Maintenance Operation	Quantity
Asphalt Concrete Crack Sealing	8,018 linear feet
Asphalt Concrete Full-Depth Patching	329 square feet

5.3 Surface Treatment, Rehabilitation, and Reconstruction Plan

To develop the five-year work plan, we first ran the eliminate backlog scenario with the PAVER M&R Work Planning Module in order to generate a list, organized by year, of surface treatment, rehabilitation, and reconstruction projects. We then reviewed the project list and refined it into practical construction projects for each year. A summary of surface treatment, rehabilitation, and reconstruction quantities is provided in Table 5-2 below, and maps of the project locations by year are shown on the Brookings Airport 5-Year Pavement Management Plan, Figure 5.1. The complete list of recommended surface treatment, rehabilitation, and reconstruction projects is presented in Table 4D in Appendix D.

Table 5-2: SURFACE TREATMENT, REHABILITATION, AND RECONSTRUCTION QUANTITIES

Treatment Type	Quantity, square feet
Reconstruction	6,292
Overlay	0
Fog Seal	49,721
Slurry Seal	195,476







BROOKINGS AIRPORT 5-YEAR PAVEMENT MANAGEMENT PLAN

DEC. 2023



6 **LIMITATIONS**

This report has been prepared to assist the Oregon Department of Aviation (ODAV) with pavement-related project planning for the Brookings Airport. The scope is limited to the specific pavement areas described within this report. The conclusions and recommendations provided in this report are based on information provided by ODAV, estimated costs, and an understanding of the pavement conditions based solely on visual assessment. The surface treatment, rehabilitation, and reconstruction recommendations and project selections provided in this report, as well as their corresponding cost estimates, are based on a practical grouping of projects and an estimate of the structural requirements. It is possible that recommendations based on a structural evaluation would differ materially from the recommendations given within this report. Therefore, the information included in this report should be used solely for project planning purposes, and it should be understood that rehabilitation costs may vary from the cost estimates given within this report.

Because the condition of the airport pavement network is dynamic, an effective maintenance and rehabilitation program should be reviewed and updated on a regular basis. In addition to regularly surveying and updating the pavement condition, completed construction activities should be tracked in the PAVER database. If Brookings Airport would like to know more about the results presented in this report, please contact the undersigned.

Submitted for GRI,

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This document has been submitted electronically.



APPENDIX A

Pavement Inventory Reports and Maps



APPENDIX A

PAVEMENT INVENTORY REPORTS AND MAPS

A.1 PAVEMENT NETWORK

Brookings Airport is located in Brookings, Oregon, and is owned and operated by the City of Brookings. The pavement network/facilities at Brookings Airport serve a variety of general aviation, air taxi, and military aircraft. Brookings Airport consists of a single runway, a primary taxiway, and multiple connector taxiways, taxilanes, and aprons. The types of airside pavements include asphalt concrete (AC) and AC overlaid with AC (AAC).

The current airport pavement management system (APMS) network at Brookings Airport has an approximate area of 445,165 square feet of paved airside facilities. The pavement network has previously been divided (by others) into a hierarchical order of branches, sections, and sample units that facilitate inspection and maintenance planning. The pavement facilities summarized by branch and section are listed in Tables 1A and 2A, respectively. Pavement sections and the sample unit layout for each section are shown on Figure 1A in this appendix.

A.2 BRANCHES

A branch, as defined in the PAVER system, is a facility that is a readily identifiable part of the pavement system and has a distinct function. For airports, branches typically consist of individual runways, taxiways, and aprons. The current pavement network for Brookings Airport contains 18 branches, tabulated in Table 1A and shown on Figure 1A.

A.3 SECTIONS AND SAMPLE UNITS

A pavement section is the smallest management unit used when considering the application and selection of maintenance and rehabilitation (M&R) repairs and treatments and is defined by Section 2.1.8 of ASTM International (ASTM) D5340 as "a contiguous pavement area having uniform construction, maintenance, usage history, and condition." All sections should also have the same traffic volume and load intensity. The current pavement network included in the PAVER database for Brookings Airport contains 23 sections that are managed by the City of Brookings, which are tabulated in Table 2A and shown spatially on Figure 1A.

PAVER assigns a rank, which designates that pavement's prioritization in receiving maintenance and repair. The highest use or priority pavements, such as runways, taxiways, and terminal aprons, are ranked *Primary*, while the surrounding aprons and shoulders are ranked *Secondary* and low-use areas are ranked *Tertiary*. The ranks for all sections are shown on Table 2A.



To facilitate the visual survey of the airport pavement, each section is further subdivided into smaller areas called sample units. Similar sizing of these units is critical, and studies have found that maintaining the size of the sample units to within 40% of the established normal distribution reduces the standard error of the average pavement condition index (PCI) values. To meet this criterion, the ASTM method recommends sample units for flexible pavements be $5,000 \pm 2,000$ square feet. The delineation of sample units for each section is displayed on Figure 1A.

A.4 SAMPLE UNIT DELINEATION

For an APMS survey, a PCI confidence level of 92% and an allowable error (e) of eight PCI points are used for all airport pavements. To determine the number of sample units that need to be inspected to achieve the required confidence level and allowable error, the following equation is used:

$$n = \frac{N \times s^2}{\left(e^2/4\right)(N-1)+s^2}$$
 (Equation 1)

where:

n = number of sample units to be inspected

N = total number of samples in the pavement sections

e = allowable error

s = section standard deviation

For the 2023 Brookings Airport PCI survey, Table 3A was used as a guideline in developing sampling rates for flexible pavement that reflect similar rates used for other large airport pavement networks. In general, this sampling rate distribution provides a 92% confidence level with a standard error of eight PCI points.

Sample unit locations at Brookings Airport were selected using a systematic random sampling model method. This technique is implemented by first determining the number of sample units needed based on the confidence interval calculated using Equation 1. The first sample unit is randomly placed in the section and then the remaining sample units are systematically spaced throughout the section at an equal distance apart.

Table 1A: BROOKINGS AIRPORT PAVEMENT BRANCHES

•	ubic in. bitookiitos niiti otti ii	WEINER BIOTHER	
Facility Designation			Approximate Area,
(Branch ID)	Branch Name	Number of Sections	square feet
A01BR	Apron 01 Brookings	1	48,125
A02BR	Apron 02 Brookings	1	27,794
A03BR	Apron 03 Brookings	1	5,096
A04BR	Apron 04 Brookings	1	5,020
A05BR	Apron 05 Brookings	1	6,292
A06BR	Apron 06 Brookings	1	5,818
A07BR	Apron 07 Brookings	1	5,993
AH12BR	Hold Apron 12 Brookings	1	7,174
AH30BR	Hold Apron 30 Brookings	1	7,323
R12BR	Runway 12/30 Brookings	3	174,000
T01BR	Taxiway 01 Brookings	1	15,479
TA2BR	Taxiway A2 Brookings	2	11,487
TABR	Taxiway A Brookings	2	77,620
TLANEA1BR	Taxilane A1 Brookings	1	3,912
TLANEA2BR	Taxilane A2 Brookings	1	8,968
TLANEBBR	Taxilane B Brookings	1	14,014
TLANECBR	Taxilane C Brookings	2	13,436
TLANEDBR	Taxilane D Brookings	1	7,614



Table 2A: BROOKINGS AIRPORT CURRENT PAVEMENT INVENTORY

									Approximate		
BranchID	Branch Name	Branch Use	SectionID	From	То	Rank	Length, feet		Area, square feet	LCD	Surface Type
A01BR	Apron 01 Brookings	APRON	01	Taxiway A2	FBO/Office	Р	270	167	48,125	5/4/2012	AC
A02BR	Apron 02 Brookings	APRON	01	Taxiway A	Apron 01	Р	209	130	27,794	9/4/2005	AC
A03BR	Apron 03 Brookings	APRON	01	Taxiway A	Hangars	S	83	60	5,096	9/2/2008	AC
A04BR	Apron 04 Brookings	APRON	01	Taxiway A	Hangar	S	83	60	5,020	9/1/2008	AC
A05BR	Apron 05 Brookings	APRON	01	Taxiway A	Hangar	S	85	72	6,292	9/2/1995	AC
A06BR	Apron 06 Brookings	APRON	01	Taxiway A	Hangar	S	77	75	5,818	9/1/2008	AC
A07BR	Apron 07 Brookings	APRON	01	Taxiway A	Hangar	S	85	70	5,993	9/2/1995	AC
AH12BR	Hold Apron 12 Brookings	APRON	01	R12 Run-up Apron	End	Р	125	50	7,174	9/1/2008	AAC
AH30BR	Hold Apron 30 Brookings	APRON	01	R30 Run-up Apron	End	Р	125	50	7,323	9/1/2008	AAC
R12BR	Runway 12/30 Brookings	RUNWAY	01	Runway 30 End	R12BR-02	Р	357	60	21,420	9/2/1995	AC
R12BR	Runway 12/30 Brookings	RUNWAY	02	R12BR-01	R12BR-03	Р	1,748	60	104,880	9/1/1995	AAC
R12BR	Runway 12/30 Brookings	RUNWAY	03	R12BR-02	Runway 12 End	Р	795	60	47,700	9/1/1995	AAC
T01BR	Taxiway 01 Brookings	TAXIWAY	01	Runway 12/30	-	S	392	25	15,479	9/5/2008	AC
TA2BR	Taxiway A2 Brookings	TAXIWAY	01	Runway 12/30	Taxiway A	Р	108	40	6,446	9/1/2008	AAC
TA2BR	Taxiway A2 Brookings	TAXIWAY	02	Taxiway A	TA2BR-03	Р	88	42	5,041	5/4/2012	AC
TABR	Taxiway A Brookings	TAXIWAY	01	Runway 30 End	TABR-02	Р	620	25	15,792	9/1/2008	AC
TABR	Taxiway A Brookings	TAXIWAY	02	TABR-01	Runway 12 End	Р	2,440	25	61,828	9/1/2008	AAC
TLANEA1BR	Taxilane A1 Brookings	TAXIWAY	01	A01BR	-	S	135	25	3,912	9/4/2010	AC
TLANEA2BR	Taxilane A2 Brookings	TAXIWAY	01	TABR	North	S	221	25	8,968	9/4/2010	AC
TLANEBBR	Taxilane B Brookings	TAXIWAY	01	TLANEA2	West	S	368	25	14,014	9/4/2010	AC
TLANECBR	Taxilane C Brookings	TAXIWAY	01	TLANEA2	TLANEA1	S	197	25	7,462	9/4/2010	AC
TLANECBR	Taxilane C Brookings	TAXIWAY	02	A01	TLANEA2	S	212	25	5,974	9/4/2010	AC
TLANEDBR	Taxilane D Brookings	TAXIWAY	01	A01	West	S	258	25	7,614	5/4/2012	AC

Abbreviations:

P = Primary pavement, S = Secondary pavement

LCD = Last Construction Date. The date of the last major rehabilitation (e.g. overlay)

AC = Asphalt Concrete, AAC = AC overlaid AC

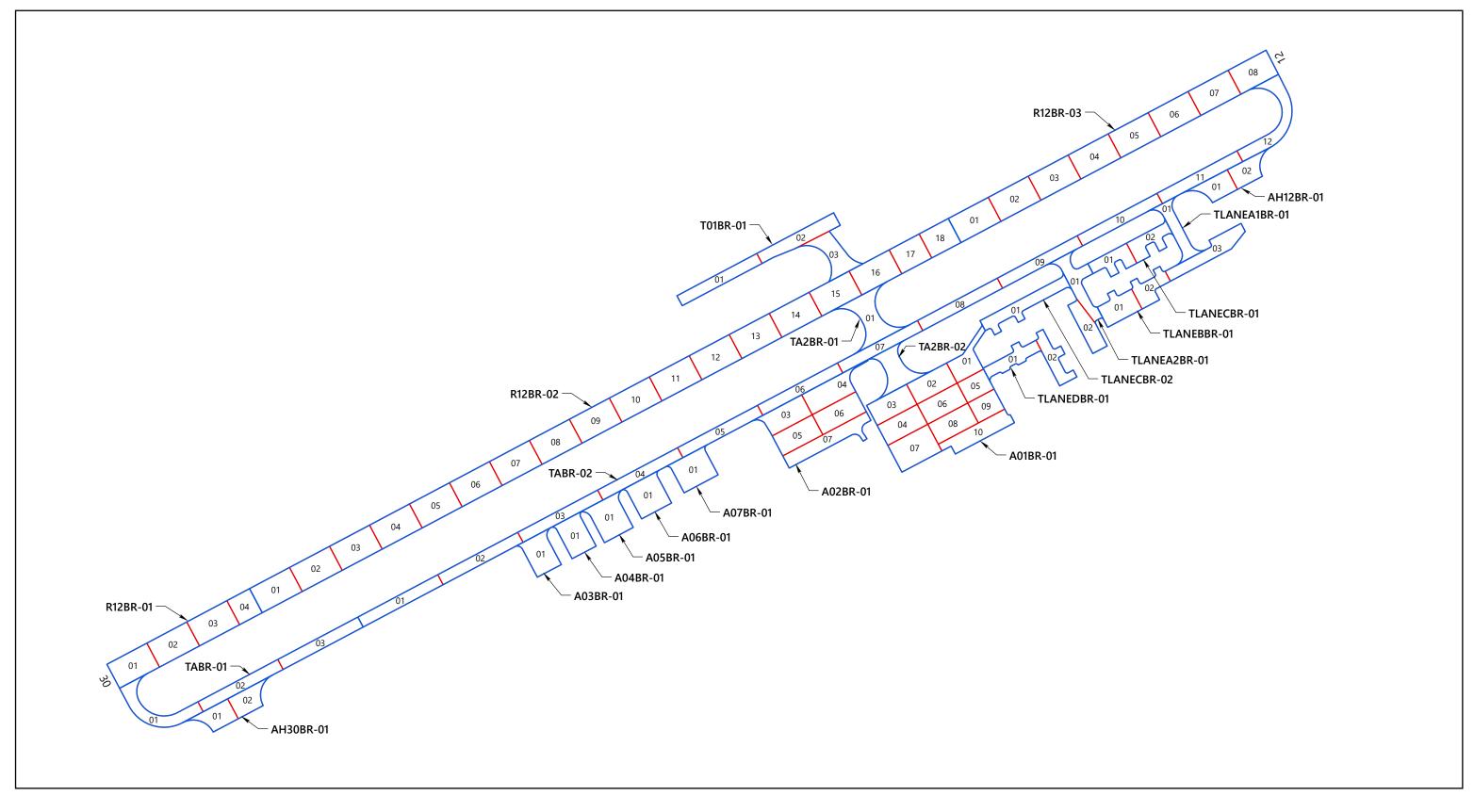




Table 3A: EXAMPLE SAMPLE RATES FOR AC PAVEMENTS

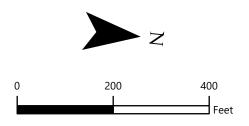
AC Sampling Rate									
Total Number of Sample Units, N	Sample Units to Survey, n								
1	1								
2-3	2								
4-6	3								
7-13	4								
14-38	5								
39+	6								

Note: AC = Asphalt Concrete











BROOKINGS AIRPORT SAMPLE UNIT LAYOUT

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APPENDIX B

Pavement Condition Index Survey Results



APPENDIX B

PAVEMENT CONDITION INDEX SURVEY RESULTS

B.1 METHODOLOGY

As previously discussed, the PCI is a measure of the pavement's functional surface condition and provides a methodology for assessing the causes of distress and whether the distress is related to a load or climatic conditions. Although the PCI is not a direct measure of structural capacity, it provides a suggestion of the structural needs of the pavement.

The PCI is based on the type, severity, and quantity of each distress found in an inspected sample unit. The results are displayed using a seven-category rating scale in accordance with ASTM D5340. Flexible pavement (e.g., AC and AAC) distress types are presented in Table 1B. A summary of the pavement condition results by branch and section is included in Tables 2B and 3B of Appendix B, respectively.

Table 1B: PAVER DISTRESS CODES FOR FLEXIBLE PAVEMENT

	Flexible Pavement	
PAVER Code	Pavement Distress	Related Cause
41	Alligator Cracking	Load
42	Bleeding	Other
43	Block Cracking	Climate/ Durability
44	Corrugation	Other
45	Depression	Other
46	Jet Blast	Other
47	Joint Reflection Cracking	Climate/ Durability
48	Longitudinal & Transverse Cracking	Climate/ Durability
49	Oil Spillage	Other
50	Patching	Climate/ Durability
51	Polished Aggregate	Other
52	Raveling	Climate/ Durability
53	Rutting	Load
54	Shoving	Other
55	Slippage Cracking	Other
56	Swelling	Other
57	Weathering	Climate/ Durability



To obtain the section PCI, we extrapolated the PCI of each selected sample unit over the entire section area. Distresses found in sample units classified as "additional"— defined as nonrepresentative instead of random— are not extrapolated over the entire section but merely added to the extrapolated quantity. The PCI rating scale presented previously in Table 3-1 of Section 3.1 is based on ASTM D5340.

Section 4.1 of ASTM D5340, governing PCI surveys, offers this caution:

"The PCI is a numerical indicator that rates the surface condition of the pavement. The PCI provides a measure of the **present condition** of the pavement based on the distress observed on the surface of the pavement, which also indicates the structural integrity and surface operational condition (localized roughness and safety). The PCI **cannot** measure structural capacity, nor does it provide a direct measurement of skid resistance or roughness. It provides an objective and rational basis for determining maintenance and repair needs and priorities. Continuous monitoring of the PCI is used to establish the rate of pavement deterioration, which permits early identification of major rehabilitation needs. The PCI provides feedback on pavement performance for validation or improvement of current pavement design and maintenance procedures."

Based on the limitations of the PCI method, it is imperative that engineers and planners treat the PCI as a tool that will assist them during the M&R planning process. Any major project should always be preceded by an up-to-date, detailed, 100% project-level inspection of the pavement in order to reevaluate maintenance needs prior to the project design process.

B.2 DISTRESS TYPES

Distress tends to fall into one of the following four cause categories:

- **Load-related:** Flexible pavement distresses include alligator/fatigue cracking, corrugation, depression, polished aggregate, rutting, and slippage cracking.
- Climate- and durability-related: Flexible pavement distresses include bleeding, block cracking, joint reflection cracking, longitudinal and transverse (L&T) cracking, swelling, and raveling/weathering.
- Moisture- and drainage-related: Flexible pavement distresses include alligator/ fatigue cracking, depressions, potholes, and swelling.
- Other factors: Oil spillage, jet blast erosion, bleeding, patching.



As described above, distress may be the result of more than one cause. For example, depressions may be caused by incorrect compaction during construction or by subgrade softening due to environmental factors. In addition, distress may be initiated by one cause but may progress to a distress of higher severity by another cause. Therefore, engineering judgment is critical in analyzing the actual cause or causes of the distress.

B.3 PAVEMENT CONDITION INDEX SURVEY RESULTS

The evaluated Brookings Airport pavement network consists of 18 branches and 23 sections. A total of 48 sample units were visually inspected in the field. Data from the inspected sample units was input into the PAVER database, and a resultant PCI for each section was computed. Additional details regarding the PCI and distress types observed for each surveyed sample unit are provided in the re-inspection report, Table 1E, in Appendix E. Based on the 2023 PCI survey, the area-weighted average PCI for the entire pavement network at Brookings Airport is approximately 92, which corresponds to a PCI rating of Good.

To investigate the rate of deterioration of each pavement section, we compared the PCI results from the 2023 survey to the PCI results from the previous inspection. The variation in PCI between inspections for Brookings Airport pavement sections is outlined in Table 4B in this appendix.

Table 2B: BROOKINGS AIRPORT CURRENT BRANCH CONDITION REPORT

Branch ID	Number of Sections	Approximate Area, square feet	Use	Area Weighted Average Branch PCI	PCI Category
A01BR	1	48,125	APRON	100	Good
A02BR	1	27,794	APRON	86	Satisfactory
A03BR	1	5,096	APRON	89	Good
A04BR	1	5,020	APRON	71	Fair
A05BR	1	6,292	APRON	27	Very Poor
A06BR	1	5,818	APRON	61	Fair
A07BR	1	5,993	APRON	77	Satisfactory
AH12BR	1	7,174	APRON	100	Good
AH30BR	1	7,323	APRON	100	Good
R12BR	3	174,000	RUNWAY	88	Good
T01BR	1	15,479	TAXIWAY	100	Good
TA2BR	2	11,487	TAXIWAY	100	Good
TABR	2	77,620	TAXIWAY	100	Good
TLANEA1BR	1	3,912	TAXIWAY	94	Good
TLANEA2BR	1	8,968	TAXIWAY	100	Good
TLANEBBR	1	14,014	TAXIWAY	87	Good
TLANECBR	2	13,436	TAXIWAY	92	Good
TLANEDBR	1	7,614	TAXIWAY	97	Good

Use Category	Number of Sections	Total Area, square feet	Area Weighted Average PCI
APRON	9	118,635	88
RUNWAY	3	174,000	88
TAXIWAY	11	152,530	98
ALL	23	445,165	91

Abbreviation: PCI = Pavement Condition Index



Table 3B: BROOKINGS AIRPORT 2023 PAVEMENT CONDITION INDEX SURVEY RESULTS

BranchID	SectionID	Last Construction Date	Surface Type	Use	Last Inspection Date	Age at Inspection	PCI	PCI Category	PCI % Climate	PCI % Load	PCI % Other
A01BR	01	5/4/2012	AC	APRON	7/1/2023	11	100	Good	100	0	0
A02BR	01	9/4/2005	AC	APRON	7/1/2023	18	86	Good	100	0	0
A03BR	01	9/2/2008	AC	APRON	7/1/2023	15	89	Good	100	0	0
A04BR	01	9/1/2008	AC	APRON	7/1/2023	15	71	Satisfactory	100	0	0
A05BR	01	9/2/1995	AC	APRON	7/1/2023	28	27	Very Poor	63	37	0
A06BR	01	9/1/2008	AC	APRON	7/1/2023	15	61	Fair	100	0	0
A07BR	01	9/2/1995	AC	APRON	7/1/2023	28	77	Satisfactory	100	0	0
AH12BR	01	9/1/2008	AAC	APRON	7/1/2023	15	100	Good	0	0	0
AH30BR	01	9/1/2008	AAC	APRON	7/1/2023	15	100	Good	0	0	0
R12BR	01	9/2/1995	AC	RUNWAY	7/1/2023	28	88	Good	100	0	0
R12BR	02	9/1/1995	AAC	RUNWAY	7/1/2023	28	88	Good	100	0	0
R12BR	03	9/1/1995	AAC	RUNWAY	7/1/2023	28	86	Good	100	0	0
T01BR	01	9/5/2008	AC	TAXIWAY	7/1/2023	15	100	Good	0	0	0
TA2BR	01	9/1/2008	AAC	TAXIWAY	7/1/2023	15	100	Good	0	0	0
TA2BR	02	5/4/2012	AC	TAXIWAY	7/1/2023	11	100	Good	0	0	0
TABR	01	9/1/2008	AC	TAXIWAY	7/1/2023	15	100	Good	0	0	0
TABR	02	9/1/2008	AAC	TAXIWAY	7/1/2023	15	100	Good	0	0	0
TLANEA1BR	01	9/4/2010	AC	TAXIWAY	7/1/2023	13	94	Good	100	0	0
TLANEA2BR	01	9/4/2010	AC	TAXIWAY	7/1/2023	13	100	Good	0	0	0
TLANEBBR	01	9/4/2010	AC	TAXIWAY	7/1/2023	13	87	Good	100	0	0
TLANECBR	01	9/4/2010	AC	TAXIWAY	7/1/2023	13	86	Good	100	0	0
TLANECBR	02	9/4/2010	AC	TAXIWAY	7/1/2023	13	99	Good	100	0	0
TLANEDBR	01	5/4/2012	AC	TAXIWAY	7/1/2023	11	97	Good	100	0	0

Abbreviations:

PCI = Pavement Condition Index, AC = Asphalt Concrete, AAC = AC overlaid AC



Table 4B: BROOKINGS AIRPORT COMPARISON OF PREVIOUS INSPECTION AND 2023 RESULTS

			Approximate Area, square			2019 Surve	у		2023 Survey			Rate of
Branch ID	Section ID	Surface Type ¹	feet	LCD ²	PCI ³	PCI Category	Insp. Date	PCI	PCI Category	Age⁴	Δ PCI/yr ⁵	Deterioration
A01BR	01	AC	48,125	5/4/12	94	Good	5/13/2019	100	Good	7	1.35	NONE
A02BR	01	AC	27,794	9/4/05	86	Good	5/13/2019	86	Good	14	0	NORMAL
A03BR	01	AC	5,096	9/2/08	90	Good	5/13/2019	89	Good	11	-0.31	NORMAL
A04BR	01	AC	5,020	9/1/08	81	Satisfactory	5/13/2019	71	Satisfactory	11	-2	NORMAL
A05BR	01	AC	6,292	9/2/95	74	Satisfactory	5/13/2019	27	Very Poor	24	-11.34	HIGH
A06BR	01	AC	5,818	9/1/08	79	Satisfactory	5/13/2019	61	Fair	11	-4	HIGH
A07BR	01	AC	5,993	9/2/95	72	Satisfactory	5/13/2019	77	Satisfactory	24	1.18	NONE
AH12BR	01	AAC	7,174	9/1/08	94	Good	5/13/2019	100	Good	11	1	NONE
AH30BR	01	AAC	7,323	9/1/08	90	Good	5/13/2019	100	Good	11	2.42	NONE
R12BR	01	AC	21,420	9/2/95	98	Good	5/13/2019	88	Good	24	-2	NORMAL
R12BR	02	AAC	104,880	9/1/95	97	Good	5/13/2019	88	Good	24	-2.08	NORMAL
R12BR	03	AAC	47,700	9/1/95	96	Good	5/13/2019	86	Good	24	-2	NORMAL
T01BR	01	AC	15,479	9/5/08	94	Good	5/13/2019	100	Good	11	1.45	NONE
TA2BR	01	AAC	6,446	9/1/08	89	Good	5/13/2019	100	Good	11	3	NONE
TA2BR	02	AC	5,041	5/4/12	94	Good	5/13/2019	100	Good	7	1.45	NONE
TABR	01	AC	15,792	9/1/08	95	Good	5/13/2019	100	Good	11	1	NONE
TABR	02	AAC	61,828	9/1/08	80	Satisfactory	5/13/2019	100	Good	11	4.83	NONE
TLANEA1BR	01	AC	3,912	9/4/10	96	Good	5/13/2019	94	Good	9	0	NORMAL
TLANEA2BR	01	AC	8,968	9/4/10	92	Good	5/13/2019	100	Good	9	1.93	NONE
TLANEBBR	01	AC	14,014	9/4/10	94	Good	5/13/2019	87	Good	9	-2	NORMAL
TLANECBR	01	AC	7,462	9/4/10	94	Good	5/13/2019	86	Good	9	-1.98	NORMAL
TLANECBR	02	AC	5,974	9/4/10	94	Good	5/13/2019	99	Good	9	1	NONE
TLANEDBR	01	AC	7,614	5/4/12	94	Good	5/13/2019	97	Good	7	0.82	NONE

Abbreviations:



 $^{^{1}}$ AC = Asphalt Concrete, AAC = Asphalt Overlay AC, PCI = Pavement Condition Index

² LCD = Last construction date. The date of the last major pavement rehabilitation (e.g. AC overlay)

³ PCI = Pavement Condition Index

 $^{^4}$ Age = Pavement age in years at the time of the PCI survey in 2019

 $^{^{5}}$ Δ PCI/yr = Change in PCI points per year between 2019 survey and 2023 survey



APPENDIX C

Future Pavement Condition Analysis



APPENDIX C

PAVEMENT CONDITION ANALYSIS

C.1 METHODOLOGY

In addition to assessing the current condition of a pavement, it is very important from a planning standpoint to be able to predict with reasonable accuracy its future condition. In a pavement management plan (PMP), this is done with the aid of a prediction model. When an APMS is initially implemented, the default models are typically used to predict the future condition of a pavement. However, after PCI surveys are completed, the historical data are then used to refine the models, so they better represent the deterioration of a particular class of pavement based on local climatic conditions, loading, material sources, construction procedures, etc. The importance of accurate prediction models is part of the reason it is essential to conduct periodic, routine surveys in order to track the rate of deterioration.

In PAVER, the pavement deterioration curves are developed based on the "family" model procedure. A pavement "family" is defined as a group of pavements with similar deterioration characteristics. The procedure for developing the prediction models is:

- 1) Define the pavement families.
- 2) Review the data.
- 3) Conduct a data-outlier analysis.
- 4) Model the data.

C.2 PREDICTION MODELS

We developed separate condition prediction models for each pavement "family" at Brookings Airport. The delineation is based on branch use, surface type, section rank, and structural design life. We use three distinct models for the following "families" of pavements at Brookings Airport. For each model, we reviewed the data in order to filter out any inconsistent or inaccurate data or any data that fell outside boundary values set by PAVER. After outliers are removed and the data are checked for accuracy and reasonableness, the PAVER program calculates a best-fit curve using a polynomial-constrained, least-squares analysis procedure. This best-fit curve for each family is used in the analysis to predict the average behavior of all sections within each "family." Our condition prediction models for each "family" are provided on Figures 1C through 3C below.



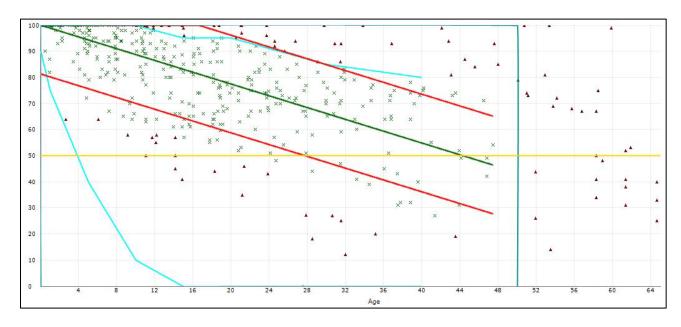


Figure 1C: CONDITION PREDICTION MODEL FOR NORTHWESTERN CATEGORY 4 AC APRONS

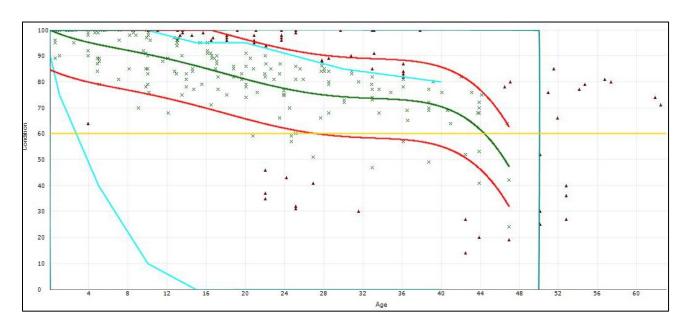


Figure 2C: CONDITION PREDICTION MODEL FOR NORTHWESTERN CATEGORY 4 AC RUNWAYS



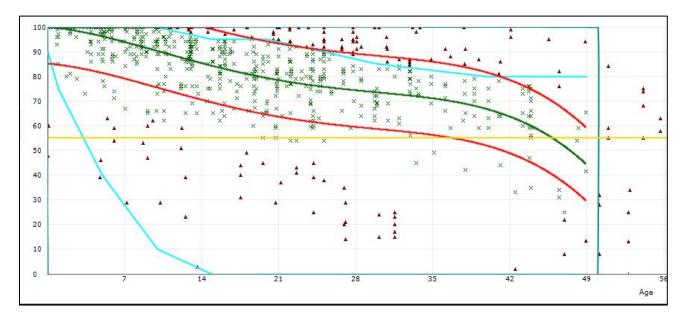


Figure 3C: CONDITION PREDICTION MODEL FOR NORTHWESTERN CATEGORY 4 AC TAXIWAYS

C.3 CRITICAL PCI

Each of the condition-prediction models has an assigned critical PCI. The critical PCI is the point at which the pavement condition begins to deteriorate more quickly over time. As the condition deteriorates to a worse state, major M&R (rehabilitation/reconstruction) is triggered because the cost to apply localized M&R increases significantly. Pavement sections with PCI above the critical value are given a higher priority for funding during budget analysis in order to prevent them from deteriorating to the point where more costly rehabilitation is necessary. We used the following critical PCI values at Brookings Airport:

- Runways 60
- Taxiways/Taxilanes 55
- Aprons 50

C.4 FUTURE CONDITION ANALYSIS

As previously discussed, the projected condition of each pavement section was determined for 5- and 10-year periods. The projected pavement conditions in 5 years and 10 years for each pavement section at Brookings Airport, along with the conditions at the previous inspection, are listed in Table 1C.

C.5 FUNCTIONAL REMAINING LIFE

As mentioned above, functional remaining life is the practical amount of time a pavement is in service before requiring rehabilitation, as estimated based solely on visual condition.



This is not to be confused with structural remaining life, which requires analysis of the structural capacity of a pavement.

We calculated two forms of functional remaining life based on the current visual condition surveys of the pavement at Brookings Airport, the time until rehabilitation, and the time until the pavement is no longer operational due to high foreign object debris potential and increased safety concerns for trafficking aircraft (PCI less than 40). The results of the functional life analysis are provided in Table 2C.

Table 1C: PAST, PRESENT AND FUTURE PCI

		Past Inspection PCI	Current PCI	Predicted Future PCI				
BranchID	SectionID	2019	2023	2028	2033			
A01BR	01	94	100	94	88			
A02BR	01	86	86	80	74			
A03BR	01	90	89	83	77			
A04BR	01	81	71	65	59			
A05BR	01	74	27	21	16			
A06BR	01	79	61	55	50			
A07BR	01	72	77	71	66			
AH12BR	01	94	100	94	89			
AH30BR	01	90	100	94	89			
R12BR	01	98	88	83	78			
R12BR	02	97	88	83	79			
R12BR	03	96	86	81	77			
T01BR	01	94	100	96	90			
TA2BR	01	89	100	96	90			
TA2BR	02	94	100	96	90			
TABR	01	95	100	96	90			
TABR	02	80	100	96	90			
TLANEA1BR	01	96	94	88	82			
TLANEA2BR	01	92	100	96	90			
TLANEBBR	01	94	87	82	78			
TLANECBR	01	94	86	80	77			
TLANECBR	02	94	99	94	88			
TLANEDBR	01	94	97	92	86			

Abbreviation: PCI = Pavement Condition Index



Table 2C: BROOKINGS AIRPORT FUNCTIONAL REMAINING LIFE ANALYSIS

						Years to End of
		Surface	Current	Years to Major	Major M&R	Functional Service
Branch ID	Section ID	Туре	PCI	M&R	Trigger PCI ¹	Life
A01BR	01	AC	100	> 20	50	> 20
A02BR	01	AC	86	> 20	50	> 20
A03BR	01	AC	89	> 20	50	> 20
A04BR	01	AC	71	16 - 20	50	> 20
A05BR	01	AC	27	0 - 5	50	0 - 5
A06BR	01	AC	61	6 - 10	50	16 - 20
A07BR	01	AC	77	> 20	50	> 20
AH12BR	01	AAC	100	> 20	50	> 20
AH30BR	01	AAC	100	> 20	60	> 20
R12BR	01	AC	88	> 20	60	> 20
R12BR	02	AAC	88	> 20	60	> 20
R12BR	03	AAC	86	> 20	60	> 20
T01BR	01	AC	100	> 20	55	> 20
TA2BR	01	AAC	100	> 20	55	> 20
TA2BR	02	AC	100	> 20	55	> 20
TABR	01	AC	100	> 20	55	> 20
TABR	02	AAC	100	> 20	55	> 20
TLANEA1BR	01	AC	94	> 20	55	> 20
TLANEA2BR	01	AC	100	> 20	55	> 20
TLANEBBR	01	AC	87	> 20	55	> 20
TLANECBR	01	AC	86	> 20	55	> 20
TLANECBR	02	AC	99	> 20	55	> 20
TLANEDBR	01	AC	97	> 20	55	> 20

Abbreviations:

PCI = Pavement Condition Index, AC = Asphalt Concrete, AAC = AC overlaid AC,



¹ Major M&R (Maintenance and Rehabilitation) Trigger PCI = Critical PCI



APPENDIX D

Unit Cost Data and Maintenance and Rehabilitation Plan



APPENDIX D

UNIT COST DATA AND MAINTENANCE AND REHABILITATION PLAN

D.1 ANALYSIS METHODOLOGY

We evaluated the M&R needs, as determined from the PAVER analysis results, in order to develop project recommendations for the next five years. The purpose of this analysis is to determine the M&R needs of the Brookings Airport pavement network condition over time. We used PAVER v7.0.8 software to develop network-level project recommendations for the next five years.

The PAVER M&R Work Planning Module identifies when and where M&R is required and how much it will cost. M&R plans can be developed either by assuming an annual budget or by identifying specific constraints, such as a condition goal, to determine the budget required to meet the goal. The M&R work planning analysis was based on a five-year period beginning on August 1, 2024. A backlog elimination analysis scenario was selected to generate a list of surface treatment, rehabilitation, and reconstruction projects in order to optimize the allocation of capital and establish preservation-based project recommendations. The repair strategies considered for pavement sections in our analysis are as follows:

- Reconstruction Considered for pavements with a PCI less than 40.
- Rehabilitation (AC Overlay) Considered for pavements between 40 PCI and the critical PCI and for pavements exhibiting significant load-related distresses.
- Surface Treatment Treatments (fog seal, slurry seal, thin AC overlay) are applied to an entire pavement section with the intent of slowing the rate of deterioration.
- Localized Maintenance Maintenance performed on a routine basis, such as crack sealing, wide crack repair, and patching.

It should be noted that the five-year list of recommended projects only includes the highest-cost maintenance items and does not include routine localized maintenance (e.g., crack sealing) work that should also be conducted in addition to and concurrently with the five-year work plan.

D.1.1 Pavement Rank and Use Prioritization

Pavement sections are assigned a rank to establish their relative importance in the overall pavement network, which is most commonly defined by their use (e.g., Taxiway, Apron, Runway). The PAVER analysis uses the combination of the section rank and the branch use



to define the priority of each section during the M&R analysis. Table 1D displays the branch use and section rank prioritization schema we used for analysis.

Table 1D: M&R WORK PRIORITY BY BRANCH USE AND SECTION RANK

	Section Rank								
Branch Use	Primary	Secondary	Tertiary						
RUNWAY	1	3	6						
TAXIWAY	2	5	8						
APRON	4	7	9						

D.2 MAINTENANCE POLICIES AND UNIT COSTS

Distress-maintenance policies are policies that determine what type of work should be applied to a specific distress type and severity. For example, on an AC pavement, a medium-severity longitudinal/transverse crack would be repaired by crack sealing. Policies for all the distress types and severities are established by ASTM D5340.

Although our work scope does not include budget analysis, we did assign construction costs to the maintenance work so that PAVER would allocate M&R projects that were approximately equal in costs for each year of the five-year period. The anticipated cost of performing M&R is based on cost tables that relate M&R work type costs to PCI. We reviewed the unit costs from the 2019 report and updated them by reviewing the bid tabulations for recent projects within the vicinity of Brookings Airport and information provided by the project ODAV Pavement Maintenance Program (PMP) team. The costs for reconstruction are based on the existing pavement sections present within each branch use at Brookings Airport. The costs represent the fully-loaded costs and include aspects of the project such as administration, contingencies, mobilization, and striping. The cost tables used in the analysis are presented in Table 2D below.



Table 2D: REGION 1 UNIT COST DATA

Type of M&R	Work Type	Unit Cost	Work Unit
Major MARD	Complete Reconstruction with AC	\$17.32	Sq Ft
Major M&R	Cold Mill and Overlay – 2 Inches Thick	\$7.64	Sq Ft
Conform Treatment (Clabal) MOD	Surface Treatment - Slurry Seal	\$0.52	Sq Ft
Surface Treatment (Global) M&R	Surface Treatment - Fog Seal	\$0.31	Sq Ft
	Crack Sealing - AC	\$3.12	Ft
	Crack Sealing - PCC	\$23.4	Ft
Landina d Drawativa MOD	Crack Sealing – Wide Cracks	\$51.48	Ft
Localized Preventive M&R	Joint Sealing – PCC	\$7.80	Ft
	AC Patching – Full Depth	\$78.00	Sq Ft
	PCC Patching – Full Depth	\$156.00	Sq Ft

D.3 RECOMMENDED LOCALIZED MAINTENANCE

In order to properly maintain aging pavements, localized M&R activities such as crack sealing and patching should be performed on a routine basis. A list of recommended localized maintenance activities is provided in Table 3D of this appendix.

D.4 RECOMMENDED SURFACE TREATMENT, REHABILITATION, AND RECONSTRUCTION PROJECTS

Surface treatment, rehabilitation, and reconstruction projects refer to activities such as slurry seal/fog seals, AC overlays, and reconstruction. A list of recommended projects is provided in Table 4D of this appendix.

Table 3D: BROOKINGS AIRPORT NETWORK MAINTENANCE REPORT

Branch ID	Section ID	Distress	Severity	Action	Work Quantity	Unit	Unit Cost	Work Cost	Section Total
A02BR	01	Long. & Trans. Cracking	Low	Crack Sealing - AC	216	Ft	\$3.12	\$674	\$674
A03BR	01	Long. & Trans. Cracking	Low	Crack Sealing - AC	81	Ft	\$3.12	\$253	\$253
A04BR	01	Long. & Trans. Cracking	Low	Crack Sealing - AC	370	Ft	\$3.12	\$1,154	\$1,289
A04BR	01	Long. & Trans. Cracking	Medium	Crack Sealing - AC	43	Ft	\$3.12	\$134	φ1,209
A05BR	01	Block Cracking	Low	Crack Sealing - AC	1,003	Ft	\$3.12	\$3,131	•
A05BR	01	Block Cracking	Medium	Crack Sealing - AC	914	Ft	\$3.12	\$2,853	\$31,638
A05BR	01	Long. & Trans. Cracking	Medium	Patching - AC Deep	329	SqFt	\$78.00	\$25,654	
A06BR	01	Block Cracking	Low	Crack Sealing - AC	1,524	Ft	\$3.12	\$4,755	\$4,755
A07BR	01	Long. & Trans. Cracking	Medium	Crack Sealing - AC	83	Ft	\$3.12	\$259	\$868
A07BR	01	Long. & Trans. Cracking	Low	Crack Sealing - AC	195	Ft	\$3.12	\$609	φ000
R12BR	01	Long. & Trans. Cracking	Low	Crack Sealing - AC	362	Ft	\$3.12	\$1,129	\$1,129
R12BR	02	Long. & Trans. Cracking	Low	Crack Sealing - AC	1,636	Ft	\$3.12	\$5,105	\$5,105
R12BR	03	Long. & Trans. Cracking	Low	Crack Sealing - AC	1,133	Ft	\$3.12	\$3,535	\$3,535
TLANEBBR	01	Long. & Trans. Cracking	Low	Crack Sealing - AC	256	Ft	\$3.12	\$800	\$1,427
TLANECBR	01	Long. & Trans. Cracking	Low	Crack Sealing - AC	201	Ft	\$3.12	\$627	\$1,427

Abbreviations:

Long. = Longitudinal; Trans. = Transverse; AC = Asphalt Concrete; Ft = Feet; SqFt = Square Feet



Table 4D: FIVE-YEAR GLOBAL MAINTENANCE AND REHABILITATION PLAN

Action Year	Branch ID	Section ID	Branch Use	Surface Type	Current PCI	Action	Area, square feet	Unit Cost per square foot	Total Cost
2024	A05BR	01	APRON	AC	27	Reconstruction	6,292	\$17.32	\$108,977
	A02BR	01	APRON	AC	86	Fog Seal	27,794	\$0.31	\$8,616
	A03BR	01	APRON	AC	89	Fog Seal	5,096	\$0.31	\$1,580
	A04BR	01	APRON	AC	71	Fog Seal	5,020	\$0.31	\$1,556
	A06BR	01	APRON	AC	61	Fog Seal	5,818	\$0.31	\$1,804
2028	A07BR	01	APRON	AC	77	Fog Seal	5,993	\$0.31	\$1,858
2020	R12BR	01	RUNWAY	AC	88	Slurry Seal	21,420	\$0.52	\$11,138
	R12BR	02	RUNWAY	AAC	88	Slurry Seal	104,880	\$0.52	\$54,537
	R12BR	03	RUNWAY	AAC	86	Slurry Seal	47,700	\$0.52	\$24,804
	TLANEBBR	01	TAXIWAY	AC	87	Slurry Seal	14,014	\$0.52	\$7,287
	TLANECBR	01	TAXIWAY	AC	86	Slurry Seal	7,462	\$0.52	\$3,880

Abbreviations: PCI = Pavement Condition Index, AC = Asphalt Concrete, AAC = AC overlaid AC

Cost Summary	
2024 Total Project Cost	\$108,977
2025 Total Project Cost	\$0
2026 Total Project Cost	\$0
2027 Total Project Cost	\$0
2028 Total Project Cost	\$117,060
Total 5-Year Project Cost	\$226,037





APPENDIX E

Reinspection Report

ODA_2023Survey_11-21-23

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Generated Date	12/5/2023				1 age 1 61 25
Network: Brookings		Name:	Brookings		
Branch: A01BR	Name:	Apron 01 Brookings	Use: A	PRON Are	ea: 48,125 SqFt
Section: 01	of 1 Fro	om: Taxiway A2		To: FBO/Office	Last Const.: 5/4/2012
Surface: AC	Family: 2023_Region1_C n_AC	at4_Apro Zone: K	BOK	Category: D	Rank: P
Area: 48,12	5 SqFt Length:	270 Ft	Width:	167 Ft	
Slabs:	Slab Length:	Ft Slab Wi	dth:	Ft	Joint Length: Ft
Shoulder:	Street Type:	Grade:	0		Lanes: 0
Section Comments:					
Work Date: 9/1/1965	Work Type: Base Co	ourse - Aggregate	Code:	BA-AG	Is Major M&R: False
Work Date: 8/1/1968	Work Type: New Co	onstruction - Initial	Code:	NC-IN	Is Major M&R: True
Work Date: 9/1/1969	Work Type: New Co	onstruction - AC	Code:	NC-AC	Is Major M&R: True
Work Date: 9/1/2001	Work Type: Surface	Seal - Fog Seal	Code:	SS-FS	Is Major M&R: False
Work Date: 5/1/2012	Work Type: Geotext	ile	Code:	FB-TX	Is Major M&R: False
Work Date: 5/2/2012	Work Type: Subbase	e - Aggregate	Code:	SB-AG	Is Major M&R: False
Work Date: 5/3/2012	Work Type: Base Co	ourse - Aggregate	Code:	BA-AG	Is Major M&R: False
Work Date: 5/4/2012	Work Type: Comple	te Reconstruction - AC	Code:	CR-AC	Is Major M&R: True
Last Insp. Date: 7/1/2023	TotalSam	ples: 10	Surveyed:	4	
Conditions: PCI: 100 Inspection Comments:					
Sample Number: 01	Type: R	Area:	5000.00 SqFt	PCI: 98	
Sample Comments: Cre	eated by Inspection Schedule				
57 WEATHERING	L	500.00 SqFt			
Sample Number: 02	Type: R	Area:	5000.00 SqFt	PCI: 100	
Sample Comments: Cre	ated by Inspection Schedule				
<no distress=""></no>					
Sample Number: 05	Type: R	Area:	5000.00 SqFt	PCI: 100	
Sample Comments: Cre	ated by Inspection Schedule				
<no distress=""></no>					
Sample Number: 09	Type: R	Area:	5000.00 SqFt	PCI: 100	

<No Distress>

Sample Comments:

Created by Inspection Schedule

Network: Brookings		Name:	Brookings			
Branch: A02BR	Name:	Apron 02 Brookin	gs Use:	APRON	Area:	27,794 SqFt
Section: 01	of 1	From: Taxiway A		To: Apron 01	1	Last Const.: 9/4/2005
Surface: AC	Family: 2023_Region_AC	on1_Cat4_Apro Zone:	KBOK	Category: D		Rank: P
Area: 27,7	794 SqFt Lengt	h: 209 Ft	Width:	130 Ft		
Slabs:	Slab Length:	Ft Sla	b Width:	Ft	Joint Length	: Ft
Shoulder:	Street Type:	Gr	ade: 0		Lanes: 0	
Section Comments:						
Work Date: 9/1/2005	Work Type: G	eotextile	(Code: FB-TX	Is Major	M&R: False
Work Date: 9/2/2005	Work Type: S	ubbase - Aggregate	(Code: SB-AG	Is Major	M&R: False
Work Date: 9/3/2005	Work Type: B	ase Course - Crushed Agg	regate (Code: BA-CA	Is Major	M&R: False
Work Date: 9/4/2005	Work Type: C	omplete Reconstruction - A	AC (Code: CR-AC	Is Major	M&R: True
Work Date: 9/1/2008	Work Type: S	urface Seal - Fog Seal	(Code: SS-FS	Is Major	M&R: False
Work Date: 9/1/2014	Work Type: C	rack Sealing - AC	(Code: CS-AC	Is Major	M&R: False
Last Insp. Date: 7/1/2023 Conditions: PCI: 86 Inspection Comments:		alSamples: 5	Survey	ed: 3		
Sample Number: 01	Type: R	Area:	5150.00 SqFt	PCI: 91		
Sample Comments: C	reated by Inspection Sche	dule				
48 L & T CR	L	11.00 Ft				
57 WEATHERING	L	5150.00 SqFt				
Sample Number: 02	Type: R	Area:	5736.00 SqFt	PCI: 92		
Sample Comments: C	reated by Inspection Sche	dule				
48 L & T CR	L	6.00 Ft				
57 WEATHERING	L	5736.00 SqFt				

48 57 L & T CR WEATHERING L M 110.00 Ft 5450.00 SqFt Network: Brookings Name: Brookings 5,096 SqFt **Branch:** A03BR Apron 03 Brookings Use: APRON Name: Area: **Section:** 01 of 1 To: Hangars **Last Const.:** 9/2/2008 From: Taxiway A Surface: ACFamily: 2023_Region1_Cat4_Apro Zone: KBOK Category: D Rank: S n AC Width: 60 Ft 5,096 SqFt Length: 83 Ft Area: Slabs: Slab Length: Ft Slab Width: Ft Joint Length: Ft Shoulder: **Street Type:** Grade: 0 Lanes: **Section Comments:** Work Type: Base Course - Aggregate Work Date: 9/1/2008 Code: BA-AG Is Major M&R: False Code: NC-AC Work Date: 9/2/2008 Work Type: New Construction - AC Is Major M&R: True **Last Insp. Date:** 7/1/2023 TotalSamples: 1 Surveyed: 1 **Conditions:** PCI: **Inspection Comments:** PCI: 89 Sample Number: 01 R 5096.00 SqFt Type: Area:

Sample Comments: Created by Inspection Schedule

48 L & T CR L 81.00 Ft 57 WEATHERING L 5096.00 SqFt

Network: Brookings		Nam	e: Broo	okings			
Branch: A04BR	Nan	Apron 04 Broo	kings	Use:	APRON	Area:	5,020 SqFt
Section: 01	of 1	From: Taxiway	γA		To: Hangar		Last Const.: 9/1/2008
Surface: AC	Family: 2023_Ref n_AC	gion1_Cat4_Apro Zon	e: KBOK		Category: D		Rank: S
Area:	5,020 SqFt Le	ngth: 83 F	t	Width:	60 Ft		
Slabs:	Slab Length:	Ft	Slab Width:		Ft	Joint Length:	: Ft
Shoulder:	Street Type:		Grade: 0			Lanes: 0	
Section Comments:							
Work Date: 9/1/1995	Work Type:	Base Course - Unknown	n (Major MR)	Со	de: BA-UN	Is Major	M&R: True
Work Date: 9/2/1995	Work Type:	New Construction - AC		Со	de: NC-AC	Is Major	M&R: True
Work Date: 9/1/2003	Work Type:	Surface Treatment - Slur	ту Seal	Со	de: ST-SS	Is Major	M&R: False
Work Date: 9/1/2008	Work Type:	Overlay - Thin		Co	de: OL-ACTH	Is Major	M&R: True
Work Date: 9/1/2014	Work Type:	Crack Sealing - AC		Co	de: CS-AC	Is Major	M&R: False
Last Insp. Date: 7/1/20)23	otalSamples: 1		Surveyed	l: 1		
Conditions: PCI:	71						
Inspection Comments:							
Sample Number: 01	Type: F	Area:	5020	0.00 SqFt	PCI: 71		
Sample Comments:	Created by Inspection Sc	hedule		-			
48 L & T CR	L	174.00 Ft					
48 L & T CR	L	196.00 Ft					
48 L & T CR	M	43.00 Ft					
57 WEATHERING	L	5020.00 SqFt					

Network:	Brooking	S			Name:	Bro	okings						
Branch:	A05BR		Name	: Apron	05 Brooki	ngs	Use:	APRO	N	Area:	6,29	92 SqFt	
Section: (01		of 1	From:	Taxiway A			To:	Hangar		La	st Const.:	9/2/1995
Surface: A	AC	Family:	2023_Reg n_AC	on1_Cat4_Apr	o Zone:	KBOK		Cat	egory: D		Ra	ınk: S	
Area:		6,292 SqFt	Leng	th:	85 Ft		Width:		72 Ft				
Slabs:		Slab Le	ength:	Ft	SI	ab Width:		Ft		Joint I	ength:	F	t
Shoulder:		Street 7	Гуре:		G	rade: 0				Lanes:	0		
Section Con	nments:												
Work Date:	9/1/1995	V	Vork Type: 1	Base Course - U	Jnknown (I	Major MR)	(Code: BA	A-UN	Is	Major M&F	R: True	
Work Date:	9/2/1995	v	Vork Type: 1	New Construction	on - AC		(Code: NO	C-AC	Is	Major M&F	R: True	
Work Date:	9/1/2003	v	Vork Type: S	Surface Treatme	ent - Slurry	Seal	(Code: ST	`-SS	Is	Major M&F	R: False	
Work Date:	9/1/2017	v	Vork Type: (Crack Sealing -	AC		(Code: CS	S-AC	Is	Major M&F	R: False	
Last Insp. D	Date: 7/1/2	.023	То	talSamples:	1		Survey	ed: 1					
Conditions:	PCI:	27											
Inspection (Comments:												
Sample Nun	nber: 01	Ту	pe: R		Area:	629	2.00 SqFt		PCI: 27	7			
Sample Con	nments:	Created by In	spection Sch	dule									
41 ALL	IGATOR C	R	M	260.00	SaFt								
	CK CR		L	3292.00	1								
43 BLO	CK CR		M	3000.00									
57 WEA	ATHERING		L	6292.00	SqFt								

Network:	Brooking	S			Name:	Bro	okings					
Branch:	A06BR		Name:	Apron	06 Brookin	gs	Use:	APR	.ON	Area:	5,818 SqFt	
Section: 0)1	0	f 1	From:	Taxiway A			Т	o: Hangar		Last Const.:	9/1/2008
Surface: A	AC	Family:	2023_Region n_AC	1_Cat4_Apro	Zone:	KBOK		C	Category: D		Rank: S	
Area:		5,818 SqFt	Length	:	77 Ft		Width:		75 Ft			
Slabs:		Slab Ler	ngth:	Ft	Sla	b Width:		F	t	Joint Length:	F	t
Shoulder:		Street T	ype:		Gr	ade: 0				Lanes: 0		
Section Com	iments:											
Work Date:	9/1/1995	W	ork Type: Bas	e Course - U	nknown (M	Iajor MR)	C	Code:	BA-UN	Is Major	M&R: True	
Work Date:	9/2/1995	W	ork Type: Nev	v Constructio	n - AC		C	ode:	NC-AC	Is Major l	M&R: True	
Work Date:	9/1/2003	W	ork Type: Sur	face Treatmen	nt - Slurry S	Seal	C	Code:	ST-SS	Is Major	M&R: False	
Work Date:	9/1/2008	W	ork Type: Ove	erlay - Thin			C	Code:	OL-ACTH	Is Major	M&R: True	
Work Date:	9/1/2014	W	ork Type: Cra	ck Sealing - A	АC		C	Code:	CS-AC	Is Major	M&R: False	
Last Insp. D	ate: 7/1/2	023	Total	Samples:			Surveye	e d: 1				
Conditions:	PCI:	61										
Inspection C	Comments:											
Sample Num	nber: 01	Tyj	pe: R	A	rea:	5818	3.00 SqFt		PCI: 61			
Sample Com	nments:	Created by Ins	spection Schedu	le								

5000.00 SqFt 5818.00 SqFt

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BLOCK CR WEATHERING

43 57

Network:	Brooking	gs				Naı	ne:	Broo	okings						
Branch:	A07BR		N	Vame:	Apro	n 07 Bro	okings		Use	: A	APRON	[Area:	5,993	3 SqFt
Section:	01		of 1		From:	Taxiwa	ıy A				To:	Hangar		Las	t Const.: 9/2/199
Surface:	AC	Family:	2023 n_AC		1_Cat4_Ap	ro Zor	ie:	KBOK			Cate	egory: D		Rar	nk: S
Area:		5,993 SqFt		Length:		85]	Ft		Width:			70 Ft			
Slabs:		Slab Lo	ength:		Ft		Slab	Width:			Ft		Joint 1	Length:	Ft
Shoulder:		Street	Гуре:				Grad	e: 0					Lanes	: 0	
Section Co	mments:														
Work Date	e: 9/1/1995	V	Vork Ty	pe: Base	e Course	Aggrega	te			Code	: BA	-AG	Is	Major M&R:	True
Work Date	e: 9/2/1995	V	Vork Ty	pe: New	v Construct	ion - AC	;			Code	: NC	-AC	Is	Major M&R:	True
Work Date	e: 9/1/2003	V	Vork Ty	pe: Surf	face Treatm	ent - Slu	ırry Sea	ıl		Code	: ST-	SS	Is	Major M&R:	False
Work Date	e: 9/1/2014	v	Vork Ty	pe: Crac	ck Sealing	- AC				Code	: CS-	·AC	Is	Major M&R:	False
Last Insp.	Date: 7/1/2	2023		Totals	Samples:	1			Surve	eyed:	1				
Conditions	s: PCI:	77													
Inspection	Comments:														
Sample Nu	ımber: 01	T	ype:	R		Area:		5992	2.00 SqFt			PCI: 77			
Sample Co	mments.	Created by Ir		Schedul	le										

195.00 Ft

83.00 Ft 5992.00 SqFt

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48

48 57 L & T CR

L & T CR

WEATHERING

Network: **Brookings** Name: Brookings Hold Apron 12 Brookings 7,174 SqFt Branch: AH12BR Use: APRON Name: Area: 01 of 1 End Section: From: R12 Run-up Apron To: Last Const.: 9/1/2008 AAC Family: 2023_Region1_Cat4_Apro Zone: KBOK Category: D Rank: P Surface: n AC Width: 7,174 SqFt Length: 125 Ft 50 Ft Area: Slabs: Slab Length: Ft Slab Width: Ft Joint Length: Ft **Street Type:** 0 Shoulder: Grade: Lanes: **Section Comments:** Work Date: 9/1/1995 Work Type: Base Course - Aggregate Code: BA-AG Is Major M&R: False Is Major M&R: True Work Date: 9/2/1995 Work Type: New Construction - AC Code: NC-AC Work Date: 9/1/2008 Work Type: Overlay - AC Thin Code: OL-AT Is Major M&R: True **Last Insp. Date:** 7/1/2023 **TotalSamples:** 2 Surveyed: 2 **Conditions:** PCI: **Inspection Comments:** Sample Number: 01 R **PCI:** 100 Type: Area: 3621.00 SqFt Created by Inspection Schedule

Sample Comments:

<No Distress>

PCI: 100 Sample Number: 02 Type: R Area: 3552.00 SqFt

Sample Comments: Created by Inspection Schedule

Network:	Brooking	ţ S			Na	ime:	Brookings					
Branch:	AH30BR	-	Nan	ne: Hol	d Apron	30 Brooking	s Us	e: AI	PRON	A	rea:	7,323 SqFt
Section:	01	(of 1	From:	R30 R	Run-up Apror	1		To: End			Last Const.: 9/1/2008
Surface:	AAC	Family:	2023_Re n_AC	egion1_Cat4_A	apro Zo	one: KB	OK		Category:	D		Rank: P
Area:		7,323 SqFt	Lei	ngth:	125	Ft	Width:		50 Ft	t		
Slabs:		Slab Le	ngth:]	Ft	Slab Wid	th:		Ft		Joint Length:	Ft
Shoulder:		Street T	ype:			Grade:	0				Lanes: 0	
Section Co	omments:											
Work Dat	e: 9/1/1995	W	Vork Type:	Base Course ·	- Aggreg	ate		Code:	BA-AG		Is Major N	M&R: False
Work Dat	e: 9/2/1995	W	Vork Type:	New Construc	ction - A	С		Code:	NC-AC		Is Major N	1&R: True
Work Dat	e: 9/1/2003	W	Vork Type:	Surface Treat	ment - S	lurry Seal		Code:	ST-SS		Is Major N	1&R: False
Work Dat	e: 9/1/2008	W	Vork Type:	Overlay - AC	Thin			Code:	OL-AT		Is Major N	1&R: True
Work Dat	e: 9/1/2017	W	Vork Type:	Crack Sealing	g - AC			Code:	CS-AC		Is Major N	1&R: False
Last Insp.	Date: 7/1/2	2023	7	TotalSamples:	2		Surv	eyed: 2	2			
Condition	s: PCI:	100										
Inspection	Comments:											
Sample Nu	umber: 01	Ту	pe: F	2	Area:		3661.00 SqFt		PCI:	100		
Sample Co	omments:	Created by In	spection Sc	hedule								
<no distre<="" td=""><td>ess></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></no>	ess>											
Sample Nu	umber: 02	Ту	pe: F	2	Area:		3661.00 SqFt		PCI:	100		

Sample Comments:

<No Distress>

Created by Inspection Schedule

Network: Brookings		Name:	Brookings		
Branch: R12BR	Name:	Runway 12/30 Broo	kings Use:	RUNWAY A	rea: 174,000 SqFt
Section: 01	of 3 F	rom: Runway 30 E	nd	To: R12BR-02	Last Const.: 9/2/1995
Surface: AC I	Family: 2023_Region1_ way_AC	Cat4_Run Zone:	KBOK	Category: D	Rank: P
Area: 21,420	SqFt Length:	357 Ft	Width:	60 Ft	
Slabs:	Slab Length:	Ft Slab	Width:	Ft	Joint Length: Ft
Shoulder:	Street Type:	Grad	le: 0		Lanes: 0
Section Comments:					
Work Date: 9/1/1995	Work Type: Base 0	Course - Aggregate	(Code: BA-AG	Is Major M&R: False
Work Date: 9/2/1995	Work Type: New O	Construction - AC	(Code: NC-AC	Is Major M&R: True
Work Date: 9/1/2003	Work Type: Surface	ce Treatment - Slurry Se	al (Code: ST-SS	Is Major M&R: False
Work Date: 9/1/2014	Work Type: Crack	Sealing - AC	(Code: CS-AC	Is Major M&R: False
Work Date: 9/1/2017	Work Type: Orego	n Slurry Seal	(Code: OR-SS	Is Major M&R: False
Last Insp. Date: 7/1/2023	TotalSa	mples: 4	Survey	ed: 3	
Conditions: PCI: 88					
Inspection Comments:					
	Type: R	Area:	6000.00 SqFt	PCI: 85	
Sample Number: 01	Type: R ted by Inspection Schedule	Area:	6000.00 SqFt	PCI: 85	
Sample Number: 01 Sample Comments: Creat	ted by Inspection Schedule		6000.00 SqFt	PCI: 85	
Sample Number: 01 Sample Comments: Creat	• •	Area: 42.00 Ft 133.00 Ft	6000.00 SqFt	PCI: 85	
Sample Number: 01 Sample Comments: Creat 48 L&TCR 48 L&TCR	ted by Inspection Schedule	42.00 Ft	6000.00 SqFt	PCI: 85	
Sample Number: 01 Sample Comments: Creat R L & T CR R L & T CR WEATHERING	ted by Inspection Schedule L L	42.00 Ft 133.00 Ft	6000.00 SqFt	PCI: 85	
Sample Number: 01 Sample Comments: Creat 18 L & T CR 18 L & T CR 17 WEATHERING Sample Number: 02	ted by Inspection Schedule L L L	42.00 Ft 133.00 Ft 6000.00 SqFt			
Sample Number: 01 Sample Comments: Creat 48 L & T CR 48 L & T CR 57 WEATHERING Sample Number: 02 Sample Comments: Creat	L L L Type: R	42.00 Ft 133.00 Ft 6000.00 SqFt			
Sample Number: 01 Sample Comments: Creat 48 L & T CR 48 L & T CR 57 WEATHERING Sample Number: 02 Sample Comments: Creat	L L L Type: R ted by Inspection Schedule	42.00 Ft 133.00 Ft 6000.00 SqFt Area:			
Sample Number: 01 Sample Comments: Creat 18 L & T CR 18 L & T CR 19 WEATHERING Sample Number: 02 Sample Comments: Creat 18 L & T CR 18 L & T CR 18 L & T CR	L L L Type: R ted by Inspection Schedule	42.00 Ft 133.00 Ft 6000.00 SqFt Area:			
Sample Number: 01 Sample Comments: Creat 8 L & T CR 88 L & T CR 97 WEATHERING Sample Number: 02 Sample Comments: Creat 88 L & T CR 98 L & T CR 98 L & T CR 98 L & T CR 99 WEATHERING	L L L Type: R ted by Inspection Schedule	42.00 Ft 133.00 Ft 6000.00 SqFt Area: 15.00 Ft 58.00 Ft			
Sample Number: 01 Sample Comments: Creat 48 L & T CR 48 L & T CR 57 WEATHERING Sample Number: 02 Sample Comments: Creat 48 L & T CR 48 L & T CR 48 L & T CR 57 WEATHERING Sample Number: 03	ted by Inspection Schedule L L L Type: R ted by Inspection Schedule L L L L	42.00 Ft 133.00 Ft 6000.00 SqFt Area: 15.00 Ft 58.00 Ft 6000.00 SqFt	6000.00 SqFt	PCI: 89	
Sample Number: 01 Sample Comments: Creat 48 L&TCR 48 L&TCR 57 WEATHERING Sample Number: 02 Sample Comments: Creat 48 L&TCR 48 L&TCR 48 L&TCR 48 L&TCR 57 WEATHERING Sample Number: 03 Sample Comments: Creat	Type: R ted by Inspection Schedule L L to the second schedule L L L L Type: R	42.00 Ft 133.00 Ft 6000.00 SqFt Area: 15.00 Ft 58.00 Ft 6000.00 SqFt	6000.00 SqFt	PCI: 89	
48 L & T CR 48 L & T CR 57 WEATHERING Sample Number: 02 Sample Comments: Creat 48 L & T CR 48 L & T CR 57 WEATHERING Sample Number: 03 Sample Comments: Creat	Type: R ted by Inspection Schedule L L ted by Inspection Schedule L L L Type: R ted by Inspection Schedule	42.00 Ft 133.00 Ft 6000.00 SqFt Area: 15.00 Ft 58.00 Ft 6000.00 SqFt Area:	6000.00 SqFt	PCI: 89	

	rk: Brookin	igs			Nam	e: Broo	okings						
Brancl	h: R12BR		Name:	Runwa	y 12/30	Brookings	Use	: RU	JNWAY	Area	ı: 174,0	000 SqFt	
Section	n: 03	of	3	From:	R12BR-	02			To: Run	way 12 End	l I	ast Const.:	9/1/1995
Surfac	e: AAC	Family:	2023_Region way_AC	1_Cat4_Run	Zone	e: KBOK			Category:	D	F	Rank: P	
Area:		47,700 SqFt	Length:		795 Ft	t	Width:		60 F	t			
Slabs:		Slab Leng	gth:	Ft		Slab Width:			Ft		Joint Length:	F	
Should	ler:	Street Ty	pe:			Grade: 0					Lanes: 0		
Section	n Comments:												
Work !	Date: 9/1/1965	Wo	rk Type: Bas	e Course - A	ggregate	:		Code:	BA-AG		Is Major M&	R: False	
Work !	Date: 9/1/1969	Wo	rk Type: Nev	v Construction	n - AC			Code:	NC-AC		Is Major M&	R: True	
Work 1	Date: 9/1/1995	Wo	rk Type: Ove	rlay - AC Th	in			Code:	OL-AT		Is Major M&	R: True	
Work 1	Date: 9/1/2003	Wo	rk Type: Sur	face Treatme	nt - Slur	ry Seal		Code:	ST-SS		Is Major M&	R: False	
Work 1	Date: 9/1/2014	Wo	rk Type: Cra	ck Sealing - A	AC			Code:	CS-AC		Is Major M&	R: False	
Work 1	Date: 9/1/2017	Wo	rk Type: Ore	gon Slurry S	eal			Code:	OR-SS		Is Major M&	R: False	
Last Ir	nsp. Date: 7/1/	/2023	Totals	Samples:	8		Surve	eyed: 4	1				
Condit	tions: PCI:	86											
Inspec	tion Comments	:											
Sample	e Number: 01	Турс	e: R	A	rea:	6000	.00 SqFt		PCI:	83			
Sample	e Comments:	Created by Insp	ection Schedu	le									
48													
4.0	L & T CR		L	113.00	Ft								
	L & T CR		L	124.00	Ft								
57	L & T CR WEATHERING		L L		Ft								
57 Sample	L & T CR WEATHERING e Number: 03	Туре	L L e: R	124.00 6000.00	Ft	6000	0.00 SqFt		PCI:	90			
57 Sample	L & T CR WEATHERING		L L e: R	124.00 6000.00	Ft SqFt	6000	0.00 SqFt		PCI:	90			
57 Sample Sample	L & T CR WEATHERING e Number: 03 e Comments: L & T CR	Туре	L L e: R	124.00 6000.00	Ft SqFt .rea:	6000	0.00 SqFt		PCI:	90			
57 Sample Sample 48 48	L & T CR WEATHERING e Number: 03 e Comments: L & T CR L & T CR	Type Created by Insp	L L ee: R eection Schedu L L	124.00 6000.00 A le 5.00 27.00	Ft SqFt rea: Ft Ft	6000	0.00 SqFt		PCI:	90			
57 Sample Sample 48 48	L & T CR WEATHERING e Number: 03 e Comments: L & T CR	Type Created by Insp	L L ee: R pection Schedu L L L	124.00 6000.00 A le 5.00	Ft SqFt rea: Ft Ft		_						
Sample Sample 48 48 57	L & T CR WEATHERING e Number: 03 e Comments: L & T CR L & T CR	Typo Created by Insp	L L ee: R ecction Schedu L L L	124.00 6000.00 A le 5.00 27.00 6000.00	Ft SqFt rea: Ft Ft		0.00 SqFt		PCI:				
Sample Sample 48 48 57 Sample Sample	L & T CR WEATHERING e Number: 03 e Comments: L & T CR L & T CR WEATHERING e Number: 04 e Comments:	Typo Created by Insp	L L ee: R ection Schedu L L L R	124.00 6000.00 A le 5.00 27.00 6000.00	Ft SqFt Ft Ft SqFt rea:		_						
Sample Sample 48 48 57 Sample Sample	L & T CR WEATHERING e Number: 03 e Comments: L & T CR L & T CR WEATHERING e Number: 04 e Comments: L & T CR	Type Created by Insp	L L L L L R: R Rection Schedu L L L L R: R Rection Schedu L	124.00 6000.00 A le 5.00 27.00 6000.00 A	Ft SqFt rea: Ft Ft SqFt rea:		_						
57 Sample Sample 48 48 57 Sample Sample 48	L & T CR WEATHERING e Number: 03 e Comments: L & T CR L & T CR WEATHERING e Number: 04 e Comments: L & T CR L & T CR	Type Created by Insp Type Created by Insp	L L ee: R eection Schedu L L L ee: R eection Schedu	124.00 6000.00 A le 5.00 27.00 6000.00 A le	Ft SqFt Ft Ft SqFt rea: Ft Ft Ft SqFt		_						
57 Sample 48 48 57 Sample 48 48	L & T CR WEATHERING e Number: 03 e Comments: L & T CR L & T CR WEATHERING e Number: 04 e Comments: L & T CR L & T CR WEATHERING	Type Created by Insp Type Created by Insp	L L ee: R ection Schedu L L ee: R ection Schedu L L L L	124.00 6000.00 A le 5.00 27.00 6000.00 A le 52.00 50.00 6000.00	Ft SqFt Ft Ft SqFt rea: Ft SqFt SqFt	6000	0.00 SqFt		PCI:	88			
Sample Sample 48 48 57 Sample 48 48 57 Sample	L & T CR WEATHERING e Number: 03 e Comments: L & T CR L & T CR WEATHERING e Number: 04 e Comments: L & T CR L & T CR WEATHERING e Number: 08	Type Created by Insp Type Created by Insp	L L L L e: R section Schedu L L L L e: R section Schedu L L L L R ection Schedu	124.00 6000.00 A le 5.00 27.00 6000.00 A le 52.00 50.00 6000.00	Ft SqFt Ft Ft SqFt rea: Ft Ft Ft SqFt	6000	_			88			
Sample Sample 48 48 57 Sample 48 48 57 Sample	L & T CR WEATHERING e Number: 03 e Comments: L & T CR L & T CR WEATHERING e Number: 04 e Comments: L & T CR L & T CR WEATHERING	Type Created by Insp Type Created by Insp	L L L L e: R section Schedu L L L L e: R section Schedu L L L L R ection Schedu	124.00 6000.00 A le 5.00 27.00 6000.00 A le 52.00 50.00 6000.00	Ft SqFt Ft Ft SqFt rea: Ft SqFt SqFt	6000	0.00 SqFt		PCI:	88			
Sample Sample 48 48 57 Sample Sample 48 48 57 Sample Sample	L & T CR WEATHERING e Number: 03 e Comments: L & T CR L & T CR WEATHERING e Number: 04 e Comments: L & T CR L & T CR WEATHERING e Number: 08	Type Created by Insp Type Created by Insp	L L L L e: R section Schedu L L L L e: R section Schedu L L L L R ection Schedu	124.00 6000.00 A le 5.00 27.00 6000.00 A le 52.00 50.00 6000.00	Ft SqFt Ft Ft SqFt rea: Ft sqFt rea:	6000	0.00 SqFt		PCI:	88			
Sample Sample 48 48 57 Sample Sample 48 48 57 Sample 48 48 48	L & T CR WEATHERING e Number: 03 e Comments: L & T CR L & T CR WEATHERING e Number: 04 e Comments: L & T CR L & T CR WEATHERING e Number: 08 e Number: 08 e Comments:	Type Created by Insp G Created by Insp G Type Created by Insp G Created by Insp	L L ee: R ection Schedu L L ee: R ection Schedu L L L ee: R ection Schedu	124.00 6000.00 A le 5.00 27.00 6000.00 A le	Ft SqFt Ft Ft SqFt rea: Ft SqFt rea: Ft Ft SqFt Ft Ft SqFt Ft Ft SqFt	6000	0.00 SqFt		PCI:	88			

Netwo	rk: Brooking	S			Name:	Bro	okings						
Branc	h: R12BR		Name:	Runwa	y 12/30 Br	ookings	Use	: RU	JNWAY	Are	ea: 17	4,000 SqFt	
Section	1: 02	of	3 F	rom: F	R12BR-01				To: R12E	BR-03		Last Const.:	9/1/1995
Surfac	e: AAC		2023_Region1_ way_AC	Cat4_Run	Zone:	KBOK			Category:	D		Rank: P	
Area:	10	04,880 SqFt	Length:	1	,748 Ft		Width:		60 Ft				
Slabs:		Slab Lengt	th:	Ft	Sla	ab Width:			Ft		Joint Length:	F	t
Should	ler:	Street Typ	oe:		Gı	rade: 0					Lanes: 0		
Section	n Comments:												
Work	Date: 9/1/1965	Wor	rk Type: Base	Course - Ag	gregate			Code:	BA-AG		Is Major M	I&R: False	
Work	Date: 9/1/1969	Wor	rk Type: New	Construction	n - AC			Code:	NC-AC		Is Major M	I&R: True	
Work	Date: 9/1/1995	Wor	rk Type: Overl	ay - AC Th	in			Code:	OL-AT		Is Major M	I&R: True	
Work	Date: 9/1/2003	Wor	rk Type: Surfa	ce Treatmer	nt - Slurry	Seal		Code:	ST-SS		Is Major M	I&R: False	
Work	Date: 9/1/2014	Wor	rk Type: Crack	Sealing - A	ıC			Code:	CS-AC		Is Major M	I&R: False	
Work	Date: 9/1/2017	Wor	rk Type: Orego	on Slurry Se	al			Code:	OR-SS		Is Major M	I&R: False	
Last I	rsp. Date: 7/1/2	023	TotalSa	mples: 1	8		Surve	eyed: 5	5				
Condi	tions: PCI:	88											
Inspec	tion Comments:												
Sampl	e Number: 01	Туре	: R	A	rea:	6000	0.00 SqFt		PCI:	89			
Sampl	e Comments:	Created by Inspe	ection Schedule										
48	L & T CR		L	14.00	Ft								
	L & T CR		L	57.00									
57	WEATHERING		L	6000.00	SqFt								
Sampl	e Number: 04	Type	: R	A	rea:	6000	0.00 SqFt		PCI:	89			
Sampl	e Comments:	Created by Inspe	ection Schedule										
48	L & T CR		L	79.00	Ft								
	L & T CR		L	19.00									
57	WEATHERING		L	6000.00									
-	e Number: 08	Type		A	rea:	6000	0.00 SqFt		PCI:	89			
Sampl	e Comments:	Created by Inspe	ection Schedule										
	L & T CR		L	15.00									
	L & T CR WEATHERING		L L	33.00									
57	e Number: 12	Type		6000.00	rea:	600).00 SqFt		PCI:	97			
_	e Comments:	Created by Inspe		A	ica.	0000	oo sqrt		rei:	01			
48	L & T CR		L	35.00	Ft								
48	L & T CR		L	92.00	Ft								
57	WEATHERING		L	6000.00									
_	e Number: 16	Type		A	rea:	6000	0.00 SqFt		PCI:	87			
Sampl	e Comments:	Created by Inspe	ection Schedule										
48 57	L & T CR WEATHERING		L L	124.00 6000.00									
					-								

Network: Brookings		Name:	Brookings			
Branch: T01BR	Name:	Taxiway 01 Brookings	use:	TAXIWAY	Area:	15,479 SqFt
Section: 01	of 1 F	rom: Runway 12/30		То: -		Last Const.: 9/5/2008
Surface: AC	Family: 2023_Region1_ way_AC	Cat4_Taxi Zone: I	КВОК	Category: D		Rank: S
Area: 15,479	SqFt Length:	392 Ft	Width:	25 Ft		
Slabs:	Slab Length:	Ft Slab W	idth:	Ft	Joint Length:	Ft
Shoulder:	Street Type:	Grade:	: 0		Lanes: 0	
Section Comments:						
Work Date: 9/1/2008	Work Type: Subgr	ade - Compacted	Co	de: SG-CO	Is Major	M&R: False
Work Date: 9/2/2008	Work Type: Subba	se - Geotexlile	Co	de: SB-TX	Is Major	M&R: False
Work Date: 9/3/2008	Work Type: Subba	se - Crushed Aggregate	Co	de: SU-CA	Is Major	M&R: False
Work Date: 9/4/2008	Work Type: Base	Course - Crushed Aggrega	te Co	de: BA-CA	Is Major	M&R: False
Work Date: 9/5/2008	Work Type: New O	Construction - AC	Co	de: NC-AC	Is Major	M&R: True
Last Insp. Date: 7/1/2023	TotalSa	mples: 3	Surveyed	1: 2		
Conditions: PCI: 100						
Inspection Comments:						
Sample Number: 01	Type: R	Area:	5000.00 SqFt	PCI: 100		
Sample Comments: Crea	ted by Inspection Schedule					
<no distress=""></no>						
Sample Number: 03	Type: R	Area:	4841.00 SaFt	PCI: 100		

Sample Number: 03 Type: Area: 4841.00 SqFt

Sample Comments: Created by Inspection Schedule

Network:	Brooking	S			Name:	Bro	okings				
Branch:	TA2BR		Name:	Taxiwa	y A2 Bro	okings	Use:	TA	XIWAY	Area:	11,487 SqFt
Section: (01	0	f 2	From: F	Runway 1	2/30		,	To: Taxiway	A	Last Const.: 9/1/200
Surface: A	AAC	Family:	2023_Region1 way_AC	l_Cat4_Taxi	Zone:	KBOK		•	Category: D		Rank: P
Area:		6,446 SqFt	Length:		108 Ft		Width:		40 Ft		
Slabs:		Slab Len	gth:	Ft	S	lab Width:]	Ft	Joint Lengt	h: Ft
Shoulder:		Street Ty	ype:		G	rade: 0				Lanes:	0
Section Con	nments:										
Work Date:	: 9/1/1965	W	ork Type: Base	e Course - Ag	gregate		(Code:	BA-AG	Is Majo	or M&R: False
Work Date:	: 9/1/1969	W	ork Type: New	Construction	n - AC		(Code:	NC-AC	Is Majo	or M&R: True
Work Date:	: 9/1/1995	W	ork Type: Ove	rlay - AC Th	in		(Code:	OL-AT	Is Majo	or M&R: True
Work Date:	: 9/1/2003	W	ork Type: Surf	ace Treatmer	nt - Slurry	Seal	(Code:	ST-SS	Is Majo	or M&R: False
Work Date:	: 9/1/2008	W	ork Type: Ove	rlay - AC Th	in		(Code:	OL-AT	Is Majo	or M&R: True
Last Insp. D	Date: 7/1/2	.023	Totals	Samples: 1			Survey	ed: 1			
Conditions:	PCI:	100									
Inspection (Comments:										
Sample Nur	mber: 01	Туг	e: R	A	rea:	644	6.00 SqFt		PCI: 100	0	

Sample Number: 01 Type: R **Sample Comments:** Created by Inspection Schedule

Network: Brookings	S	Nan	ne: Broo	okings			
Branch: TA2BR	Name	: Taxiway A2 I	Brookings	Use: TA	AXIWAY	Area: 1	1,487 SqFt
Section: 02	of 2	From: Taxiwa	у А		To: TA2BR-03	3	Last Const.: 5/4/2012
Surface: AC	Family: 2023_Reg way_AC	ion1_Cat4_Taxi Zon	e: KBOK		Category: D		Rank: P
Area:	5,041 SqFt Leng	gth: 88 F	?t	Width:	42 Ft		
Slabs:	Slab Length:	Ft	Slab Width:		Ft	Joint Length:	Ft
Shoulder:	Street Type:		Grade: 0			Lanes: 0	
Section Comments:							
Work Date: 9/1/1965	Work Type:	Base Course - Aggregat	te	Code:	BA-AG	Is Major M	&R: False
Work Date: 9/1/1969	Work Type:	New Construction - AC		Code:	NC-AC	Is Major M	&R: True
Work Date: 9/1/1995	Work Type:	Overlay - AC Thin		Code:	OL-AT	Is Major M	&R: True
Work Date: 9/1/2003	Work Type:	Surface Treatment - Slu	rry Seal	Code:	ST-SS	Is Major M	&R: False
Work Date: 9/1/2008	Work Type:	Overlay - AC Thin		Code:	OL-AT	Is Major M	&R: True
Work Date: 5/1/2012	Work Type:	Geotextile		Code:	FB-TX	Is Major M	&R: False
Work Date: 5/2/2012	Work Type:	Subbase - Aggregate		Code:	SB-AG	Is Major M	&R: False
Work Date: 5/3/2012	Work Type:	Base Course - Aggregat	te	Code:	BA-AG	Is Major M	&R: False
Work Date: 5/4/2012	Work Type:	Complete Reconstruction	on - AC	Code:	CR-AC	Is Major M	&R: True
Last Insp. Date: 7/1/20	023 To	talSamples: 1		Surveyed:	1		
Conditions: PCI:	100						
Inspection Comments:							

5041.00 SqFt

PCI: 100

Sample Comments:

Sample Number: 01

Type: Created by Inspection Schedule

R

Area:

Network: Brook	ings		Nai	ne: Bro	okings						
Branch: TABR	-	Name:	Taxiway A B	rookings	Use:	TA	XIWAY	Area	n: 7'	7,620 SqFt	
Section: 02	of	f 2 F	rom: TABR	-01		,	To: Runv	vay 12 End	l	Last Const.:	9/1/2008
Surface: AAC	Family:	2023_Region1_ way_AC	Cat4_Taxi Zor	ie: KBOK		(Category:	D		Rank: P	
Area:	61,828 SqFt	Length:	2,440	Ft	Width:		25 F	t			
Slabs:	Slab Len	gth:	Ft	Slab Width:]	Ft		Joint Length:	I	₹t
Shoulder:	Street Ty	pe:		Grade: 0					Lanes: 0		
Section Comments:											
Work Date: 9/1/197	2 W o	ork Type: Base (Course - Unknow	n (Major MR)	(Code:	BA-UN		Is Major M	&R: True	
Work Date: 9/2/197	2 W o	ork Type: New (Construction - AC	,	(Code:	NC-AC		Is Major M	&R: True	
Work Date: 9/1/199	5 W (ork Type: Overla	ny - AC Thin		(Code:	OL-AT		Is Major M	&R: True	
Work Date: 9/1/200	3 We	ork Type: Surfac	e Treatment - Slu	ırry Seal	(Code:	ST-SS		Is Major M	&R: False	
Work Date: 9/1/200	8 W o	ork Type: Overla	ny - Thin		(Code:	OL-ACTH	I	Is Major M	&R: True	
Work Date: 9/1/201	4 Wo	ork Type: Crack	Sealing - AC		(Code:	CS-AC		Is Major M	&R: False	
Last Insp. Date: 7/	1/2023	TotalSa	mples: 12		Survey	ed: 4					
Conditions: PCI:	100										
Inspection Commen	ts:										
Sample Number: 0	2 Typ	e: R	Area:	500	0.00 SqFt		PCI:	100			
Sample Comments: <no distress=""></no>	Created by Insp	pection Schedule									
Sample Number: 0	14 Typ	e: R	Area:	500	0.00 SqFt		PCI:	100			
Sample Comments:		pection Schedule			1						
<no distress=""></no>											
Sample Number: 0	7 Typ	e: R	Area:	500	0.00 SqFt		PCI:	100			
Sample Comments:	Created by Insp	pection Schedule									
<no distress=""></no>											
Sample Number: 1	1 Typ	e: R	Area:	500	0.00 SqFt		PCI:	100			

Sample Comments:

<No Distress>

Created by Inspection Schedule

Network: Brookings		Name:	Brookings			
Branch: TABR	Name:	Taxiway A Brookings	Use:	TAXIWAY	Area: 77,620 SqFt	
Section: 01	of 2	rom: Runway 30 End	I	To: TABR-02	Last Const	: 9/1/2008
Surface: AC	Family: 2023_Region1_ way_AC	Cat4_Taxi Zone: 1	KBOK	Category: D	Rank: P	
Area: 15,792	2 SqFt Length:	620 Ft	Width:	25 Ft		
Slabs:	Slab Length:	Ft Slab W	Vidth:	Ft	Joint Length:	Ft
Shoulder:	Street Type:	Grade	: 0		Lanes: 0	
Section Comments:						
Work Date: 9/1/1995	Work Type: Base 0	Course - Aggregate	Co	ode: BA-AG	Is Major M&R: False	
Work Date: 9/2/1995	Work Type: New O	Construction - AC	Co	ode: NC-AC	Is Major M&R: True	
Work Date: 9/1/2003	Work Type: Surfac	e Treatment - Slurry Seal	Co	ode: ST-SS	Is Major M&R: False	
Work Date: 9/1/2008	Work Type: Overla	y - Thin	Co	ode: OL-ACTH	Is Major M&R: True	
Work Date: 9/1/2014	Work Type: Crack	Sealing - AC	Co	ode: CS-AC	Is Major M&R: False	
Last Insp. Date: 7/1/2023	TotalSa	mples: 3	Surveyed	d: 2		
Conditions: PCI: 100						
Inspection Comments:						
Sample Number: 01	Type: R	Area:	5792.00 SqFt	PCI: 100		
Sample Comments: Crea	ated by Inspection Schedule					
<no distress=""></no>						
Sample Number: 03	Type: R	Area:	5000.00 SqFt	PCI: 100		

Sample Comments: Created by Inspection Schedule

Network: **Brookings** Name: Brookings 3,912 SqFt Branch: TLANEA1BR Taxilane A1 Brookings TAXIWAY Name: Use: Area: Section: of 1 From: A01BR To: Last Const.: 9/4/2010 ACFamily: 2023_Region1_Cat4_Taxi Zone: **KBOK** Category: D Rank: S Surface: 3,912 SqFt Length: Width: 25 Ft Area: 135 Ft Slabs: Slab Length: Ft Slab Width: Ft Joint Length: Ft 0 Shoulder: **Street Type:** Grade: Lanes: **Section Comments:** Work Date: 9/1/2010 Work Type: Geotextile Code: FB-TX Is Major M&R: False Work Date: 9/2/2010 Work Type: Subbase - Aggregate Code: SB-AG Is Major M&R: False Work Date: 9/3/2010 Work Type: Base Course - Aggregate Is Major M&R: False Code: BA-AG Is Major M&R: True Work Date: 9/4/2010 Work Type: New Construction - AC Code: NC-AC TotalSamples: 1 **Last Insp. Date:** 7/1/2023 Surveyed: 1 **Conditions:** PCI: **Inspection Comments:**

Sample Number: 01 Type: R

Area: 3912.00 SqFt **PCI:** 94

Sample Comments: Created by Inspection Schedule

57 WEATHERING L 3912.00 SqFt Network: **Brookings** Name: Brookings TLANEA2BR Taxilane A2 Brookings TAXIWAY 8,968 SqFt Branch: Name: Use: Area: To: North Section: of 1 From: **TABR** Last Const.: 9/4/2010 ACFamily: 2023_Region1_Cat4_Taxi Zone: KBOK Rank: S Surface: Category: D 8,968 SqFt Length: Width: 25 Ft Area: 221 Ft Slabs: Slab Length: Ft Slab Width: Ft Joint Length: Ft 0 Shoulder: **Street Type:** Grade: Lanes: **Section Comments:** Work Date: 9/1/2010 Work Type: Geotextile Code: FB-TX Is Major M&R: False Work Date: 9/2/2010 Work Type: Subbase - Aggregate Code: SB-AG Is Major M&R: False Work Date: 9/3/2010 Work Type: Base Course - Aggregate Code: BA-AG Is Major M&R: False Work Date: 9/4/2010 Work Type: New Construction - AC Code: NC-AC Is Major M&R: True **Last Insp. Date:** 7/1/2023 **TotalSamples:** 2 Surveyed: 2 **Conditions:** PCI: **Inspection Comments:** Sample Number: 01 Type: R Area: 4990.00 SqFt **PCI:** 100 **Sample Comments:** Created by Inspection Schedule <No Distress>

Sample Number:02Type:RArea:3977.00 SqFtPCI:100

Sample Comments: Created by Inspection Schedule

Network:	Brookings				Name:	Broo	okings							
Branch:	TLANEBBR		Name:	Taxilane	B Brooking	gs	Use:	TA	XIWAY	Are	ea:	14,014	4 SqFt	
Section: (01	0	f 1 I	From: TI	LANEA2				To: West			Las	t Const.:	9/4/2010
Surface:	AC	Family:	2023_Region1 way_AC	_Cat4_Taxi	Zone:	KBOK			Category:	D		Ran	nk: S	
Area:	14,01	4 SqFt	Length:		368 Ft		Width:		25 F	i				
Slabs:		Slab Len	gth:	Ft	Slab	Width:			Ft		Joint Lengt	th:	Ft	t
Shoulder:		Street Ty	ype:		Grad	de: 0					Lanes:	0		
Section Con	nments:													
Work Date:	: 9/1/2010	W	ork Type: Geot	extile			C	ode:	FB-TX		Is Majo	or M&R:	False	
Work Date:	: 9/2/2010	W	ork Type: Subb	ase - Aggrega	ite		C	ode:	SB-AG		Is Majo	or M&R:	False	
Work Date:	: 9/3/2010	W	ork Type: Base	Course - Agg	regate		C	ode:	BA-AG		Is Majo	or M&R:	False	
Work Date:	: 9/4/2010	W	ork Type: New	Construction	- AC		C	Code:	NC-AC		Is Majo	or M&R:	True	
Last Insp. I	Date: 7/1/2023		TotalS	amples: 3			Surveye	ed: 2						
Conditions:	PCI: 87													
Inspection (Comments:													
Sample Nui	mber: 01	Туг	oe: R	Arc	ea:	4577	7.00 SqFt		PCI:	89				
Sample Cor	mments: Cr	eated by Ins	pection Schedule	:										
48 L&	T CR		L	47.00 F	't									
57 WE	ATHERING		L	4577.00 S	qFt									
Sample Nui	mber: 02	Туг	oe: R	Arc	ea:	3735	5.00 SqFt		PCI:	85				
Sample Cor	mments: Cr	eated by Ins	pection Schedule	;										
48 L&	T CR		L	105.00 F	't									
	ATHERING		L	3735.00 S										

Network:	Brookings				Name:	Broo	kings							
Branch:	TLANECI	BR	Name:	Taxilane	C Brooking	gs	Use:	TAZ	XIWAY	Are	ea:	13,436 S	qFt	
Section: 0)1	o	f 2	From: TI	LANEA2			7	Γο: TLA	NEA1		Last C	Const.:	9/4/2010
Surface: A	AC	Family:	2023_Region1 way_AC	_Cat4_Taxi	Zone:	KBOK		(Category:	D		Rank:	S	
Area:	7	,462 SqFt	Length:		197 Ft		Width:		25 F	t				
Slabs:		Slab Ler	igth:	Ft	Slab	Width:		I	₹t		Joint Lengt	h:	Ft	t
Shoulder:		Street T	ype:		Grad	le: 0					Lanes:)		
Section Com	nments:													
Work Date:	9/1/2010	W	ork Type: Geo	textile			C	ode:	FB-TX		Is Majo	r M&R: F	alse	
Work Date:	9/2/2010	W	ork Type: Subl	oase - Aggrega	ite		C	ode:	SB-AG		Is Majo	r M&R: F	alse	
Work Date:	9/3/2010	W	ork Type: Base	Course - Agg	regate		C	ode:	BA-AG		Is Majo	r M&R: F	alse	
Work Date:	9/4/2010	W	ork Type: New	Construction	- AC		C	ode:	NC-AC		Is Majo	r M&R: T	rue	
Last Insp. D	ate: 7/1/20	23	TotalS	Samples: 2			Surveye	ed: 2						
Conditions:	PCI: 8	36												
Inspection C	Comments:													
Sample Nun	nber: 01	Tyl	pe: R	Ar	ea:	3603	.00 SqFt		PCI:	87				
Sample Com	nments:	Created by Ins	spection Schedul	e										
48 L&T	T CR		L	85.00 F	't									
	ATHERING		L	3603.00 S	qFt									
Sample Nun	nber: 02	Tyl	pe: R	Ar	ea:	3859	.00 SqFt		PCI:	85				
Sample Com	nments:	Created by Ins	spection Schedul	e										
48 L&T	T CR		L	116.00 F	't									
	THERING		L	3859.00 S										

Network: **Brookings** Name: Brookings Branch: TLANECBR Taxilane C Brookings TAXIWAY 13,436 SqFt Name: Use: Area: 02 of 2 To: TLANEA2 Section: From: A01 Last Const.: 9/4/2010 ACFamily: 2023_Region1_Cat4_Taxi Zone: KBOK Category: D Rank: S Surface: 5,974 SqFt Length: Width: 25 Ft Area: 212 Ft Slabs: Slab Length: Ft Slab Width: Ft Joint Length: Ft 0 Shoulder: **Street Type:** Grade: Lanes: **Section Comments:** Work Date: 9/1/2010 Work Type: Geotextile Code: FB-TX Is Major M&R: False Work Date: 9/2/2010 Work Type: Subbase - Aggregate Code: SB-AG Is Major M&R: False Work Date: 9/3/2010 Work Type: Base Course - Aggregate Code: BA-AG Is Major M&R: False Is Major M&R: True Work Date: 9/4/2010 Work Type: New Construction - AC Code: NC-AC **Last Insp. Date:** 7/1/2023 TotalSamples: 1 Surveyed: 1 **Conditions:** PCI: **Inspection Comments:** Area: 5974.00 SqFt **PCI:** 99

Sample Number: 01 Type: R
Sample Comments: Created by Inspection Schedule

57 WEATHERING L 280.00 SqFt

Network:	Brookings			1	Name: Bro	okings							
Branch:	TLANEDBR		Name:	Taxilane D	Brookings	Use:	TA	XIWAY	Area	:	7,614	SqFt	
Section: 0	01	of 1	Fre	om: A01			7	Γο: West			Last	Const.:	5/4/2012
Surface: A	AC		023_Region1_C ay_AC	at4_Taxi 2	Zone: KBOK	_	(Category:	D		Ran	k: S	
Area:	7,61	4 SqFt	Length:	25	8 Ft	Width:		25 Ft					
Slabs:		Slab Length:	:	Ft	Slab Width:		I	Ft		Joint Lengt	th:	Ft	
Shoulder:		Street Type:			Grade: 0					Lanes:	0		
Section Con	nments:												
Work Date:	: 5/1/2012	Work	Type: Geotext	ile		C	ode:	FB-TX		Is Majo	or M&R:	False	
Work Date:	: 5/2/2012	Work	Type: Subbase	e - Aggregate	;	C	ode:	SB-AG		Is Majo	or M&R:	False	
Work Date:	: 5/3/2012	Work	Type: Base Co	ourse - Aggre	egate	C	ode:	BA-AG		Is Majo	or M&R:	False	
Work Date:	: 5/4/2012	Work	Type: New Co	onstruction -	AC	C	ode:	NC-AC		Is Majo	or M&R:	True	
Last Insp. D	Date: 7/1/2023		TotalSan	ples: 2		Surveye	ed: 2						
Conditions: Inspection (
Sample Nun	mber: 01	Type:	R	Area	: 383	9.00 SqFt		PCI:	98				
Sample Con	nments: Cre	eated by Inspect	tion Schedule										
57 WEA	ATHERING		L	573.00 Sq	Ft								
Sample Nun	mber: 02	Type:	R	Area	: 377	4.00 SqFt		PCI:	97				
Sample Con	nments: Cre	eated by Inspect	tion Schedule										
57 WEA	ATHERING		L	780.00 Sq	Ft								



APPENDIX F

Work History Report

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Pavement Database: ODA_2023Survey_MASTER DB-12-13-2023-5pm

Network:	Brookings	Branch: A01BR	Apron	01 Brooking	Section:	01		Surface:AC
L.C.D. 5/4/20	012 Us	se: APRON Rank: P L	ength: 270	.00 (Ft) Wi	dth: 167.0	0 (Ft) T	rue Area:	48125 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R		Comm	ents
9/1/2023	OR-FS	Oregon Fog Seal	0.00	0.00				
5/4/2012	CR-AC	Complete Reconstruction - AC	0.00	2.00				
5/3/2012	BA-AG	Base Course - Aggregate	0.00	3.00				
5/2/2012	SB-AG	Subbase - Aggregate	0.00	7.00				
5/1/2012	FB-TX	Geotextile	0.00	0.00				
9/1/2001	SS-FS	Surface Seal - Fog Seal	0.00	0.10		circa 200	01	
9/1/1969	NC-AC	New Construction - AC	0.00	2.00				
8/1/1968	NC-IN	New Construction - Initial	0.00	0.00				
9/1/1965	BA-AG	Base Course - Aggregate	0.00	4.00				
			I					
Network:	Brookings	Branch: A02BR	Apron	02 Brooking	Section:	01	1	Surface:AC
L.C.D. 9/4/20	005 Us	se: APRON Rank: P L	ength: 209	.00 (Ft) Wie	dth: 130.0	0 (Ft) T	rue Area:	27794 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R		Comm	ents
9/1/2014	CS-AC	Crack Sealing - AC	0.00	0.00				
9/1/2008	SS- FS	Surface Seal - Fog Seal	0.00	0.00		circa		
9/4/2005	CR-AC	Complete Reconstruction - AC	0.00	2.00				
9/3/2005	BA-CA	Base Course - Crushed Aggregate	0.00	6.00				
9/2/2005	SB-AG	Subbase - Aggregate	0.00	6.00				
9/1/2005	FB-TX	Geotextile	0.00	0.00				
Network:	Brookings	Branch: A03BR	R Apron	03 Brooking	Section:	01	1	Surface:AC
L.C.D. 9/2/20	008 Us	se: APRON Rank: S L	ength: 83	.00 (Ft) Wie	dth: 60.0	0 (Ft) T	rue Area:	5096 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R		Comm	
9/2/2008	NC-AC	New Construction - AC	0.00	0.00				& construction dat
9/1/2008	BA-AG	Base Course - Aggregate	0.00	0.00		Unknow	n thickness &	& construction dat
Network:	Brookings	Branch: A04BR	Apron	04 Brooking	Section:	01		Surface:AC
	_	se: APRON Rank: S L	•	.00 (Ft) Wi	dth: 60.0	0 (Ft) T	rue Area:	5020 (SqFt)
	Work			Thickness	Major			
Work Date	Code	Work Description	Cost	(in)	M&R		Comm	ents
9/1/2014	CS-AC	Crack Sealing - AC	0.00	0.00				
9/1/2008	OL- ACTH	Overlay - Thin	0.00	0.00		Unknow	n Thickness	
9/1/2003	ST-SS	Surface Treatment - Slurry Seal	0.00	0.50				
9/2/1995	NC-AC	New Construction - AC	0.00	0.00		UNKNO	WN X-SEC	TION, circa 1995
9/1/1995	BA-UN	Base Course - Unknown (Major MR)	0.00	0.00				

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Pavement Database: ODA_2023Survey_MASTER DB-12-13-2023-5pm

Network:	Brookings	Branch: A05BF	R Apron	05 Brooking	Section:	01 Surface:AC	
L.C.D. 9/2/19	995 Us	se: APRON Rank: S L	ength: 85	.00 (Ft) Wi	dth: 72.0	0 (Ft) True Area: 6292 (SqFt)	
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments	
9/1/2017	CS-AC	Crack Sealing - AC	0.00	0.00	² .		
9/1/2003	ST-SS	Surface Treatment - Slurry Seal	0.00	0.50			
9/2/1995	NC-AC	New Construction - AC	0.00	0.00	V	UNKNOWN X-SECTION, circa 1995	
9/1/1995	BA-UN	Base Course - Unknown	0.00	0.00	~		
		(Major MR)					
Network:			1	06 Brooking	Section:		
L.C.D. 9/1/20		se: APRON Rank: S L	ength: 77	. ,		0 (Ft) True Area: 5818 (SqFt)	
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments	
9/1/2014	CS-AC	Crack Sealing - AC	0.00	0.00			
9/1/2008	OL- ACTH	Overlay - Thin	0.00	0.00		Unknown Thickness	
9/1/2003	ST-SS	Surface Treatment - Slurry Seal	0.00	0.50			
9/2/1995	NC-AC	New Construction - AC	0.00	0.00		UNKNOWN X-SECTION, circa 1995	
9/1/1995	BA-UN	Base Course - Unknown	0.00	0.00		,	
		(Major MR)					
Network:	_		1	07 Brooking	Section:		
L.C.D. 9/2/19		se: APRON Rank: S L	ength: 85	·		0 (Ft) True Area: 5993 (SqFt)	
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments	
9/1/2014	CS-AC	Crack Sealing - AC	0.00	0.00			
9/1/2003	ST-SS	Surface Treatment - Slurry Seal	0.00	0.50			
9/2/1995	NC-AC	New Construction - AC	0.00	0.00		UNKNOWN X-SECTION, circa 1995	
9/1/1995	BA-AG	Base Course - Aggregate	0.00	0.00	V		
Network:	Brookings	Branch: AH12F	BR Hold A	Apron 12 Bro	Section:	01 Surface:AAC	
L.C.D. 9/1/20	Č					0 (Ft) True Area: 7174 (SqFt)	
W. J. D. (Work			Thickness	Major	C	
Work Date	Code	Work Description	Cost	(in)	M&R	Comments	
9/1/2023	OR-FS	Oregon Fog Seal	0.00				
9/1/2008	OL-AT	Overlay - AC Thin	0.00	0.00		circa 2008	
9/2/1995	NC-AC	New Construction - AC	0.00	2.00			
9/1/1995	BA-AG	Base Course - Aggregate	0.00	7.00			
Network:	Brookings	Branch: AH30E	BR Hold A	Apron 30 Bro	Section:	01 Surface:AAC	
L.C.D. 9/1/20	008 Us	se: APRON Rank: P L	ength: 125	.00 (Ft) Wi	dth: 50.0	0 (Ft) True Area: 7323 (SqFt)	
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments	
9/1/2023	OR-FS	Oregon Fog Seal	0.00	0.00			
9/1/2017	CS-AC	Crack Sealing - AC	0.00	0.00			
9/1/2008	OL-AT	Overlay - AC Thin	0.00	0.00		circa 2008	
9/1/2003	ST-SS	Surface Treatment - Slurry Seal	0.00	0.50			
9/2/1995	NC-AC	New Construction - AC	0.00	2.00	~		
9/1/1995	BA-AG	Base Course - Aggregate	0.00	7.00			

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Pavement Database: ODA_2023Survey_MASTER DB-12-13-2023-5pm

Network:	Brookings	Branch: R12BR	Runwa	y 12/30 Bro	Section: 0	1	Surface:AC
L.C.D. 9/2/19	995 Us	se: RUNWAY Rank: P L	ength: 357	.00 (Ft) Wid	dth: 60.00	(Ft) True Area:	21420 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comm	nents
9/1/2023	OR-SS	Oregon Slurry Seal	0.00	0.00			
9/1/2017	OR-SS	Oregon Slurry Seal	0.00	0.00			
9/1/2014	CS-AC	Crack Sealing - AC	0.00	0.00			
9/1/2003	ST-SS	Surface Treatment - Slurry Seal	0.00	0.50			
9/2/1995	NC-AC	New Construction - AC	0.00	2.00			
9/1/1995	BA-AG	Base Course - Aggregate	0.00	7.00			
	I						
Network:	Brookings	Branch: R12BR	Runwa	y 12/30 Bro	Section: 02	2	Surface:AAC
L.C.D. 9/1/19	995 Us	se: RUNWAY Rank: P L	ength: 1,748	.00 (Ft) Wid	dth: 60.00	(Ft) True Area:	104880 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comn	nents
9/1/2023	OR-SS	Oregon Slurry Seal	0.00	0.00			
9/1/2017	OR-SS	Oregon Slurry Seal	0.00	0.00			
9/1/2014	CS-AC	Crack Sealing - AC	0.00	0.00			
9/1/2003	ST-SS	Surface Treatment - Slurry Seal	0.00	0.50			
9/1/1995	OL-AT	Overlay - AC Thin	0.00	2.00	V		
9/1/1969	NC-AC	New Construction - AC	0.00	1.50	V :		
9/1/1965	BA-AG	Base Course - Aggregate	0.00	4.00			
Network:	Č	Branch: R12BR		y 12/30 Bro	Section: 03		Surface:AAC
Network: L.C.D. 9/1/19	995 Us			.00 (Ft) Wi o	dth: 60.00	3 (Ft) True Area:	Surface:AAC 47700 (SqFt)
	Č	se: RUNWAY Rank: P L Work Description		•			47700 (SqFt)
L.C.D. 9/1/1	995 Us Work	work Description Oregon Slurry Seal	ength: 795	.00 (Ft) Wid	dth: 60.00 Major	(Ft) True Area:	47700 (SqFt)
L.C.D. 9/1/19 Work Date	995 Us Work Code	work Description Oregon Slurry Seal Oregon Slurry Seal	ength: 795 Cost	.00 (Ft) Wid Thickness (in)	dth: 60.00 Major	(Ft) True Area:	47700 (SqFt)
L.C.D. 9/1/19 Work Date 9/1/2023	995 Us Work Code OR-SS	Work Description Oregon Slurry Seal Oregon Slurry Seal Crack Sealing - AC	Cost 0.00	.00 (Ft) Wid Thickness (in) 0.00	dth: 60.00 Major	(Ft) True Area:	47700 (SqFt)
Work Date 9/1/2023 9/1/2017	995 Us Work Code OR-SS OR-SS	Work Description Oregon Slurry Seal Oregon Slurry Seal Crack Sealing - AC Surface Treatment - Slurry Seal	Cost 0.00 0.00	.00 (Ft) Wid Thickness (in) 0.00 0.00	Major M&R	(Ft) True Area:	47700 (SqFt)
Work Date 9/1/2023 9/1/2017 9/1/2014 9/1/2003 9/1/1995	995 Us Work Code OR-SS OR-SS CS-AC	Work Description Oregon Slurry Seal Oregon Slurry Seal Crack Sealing - AC Surface Treatment - Slurry Seal Overlay - AC Thin	Cost 0.00 0.00 0.00	0.00 (Ft) Wid Thickness (in) 0.00 0.00 0.00 0.50 2.00	Major M&R	(Ft) True Area:	47700 (SqFt)
Work Date 9/1/2023 9/1/2017 9/1/2014 9/1/2003	995 Us Work Code OR-SS OR-SS CS-AC ST-SS	Work Description Oregon Slurry Seal Oregon Slurry Seal Crack Sealing - AC Surface Treatment - Slurry Seal	Cost 0.00 0.00 0.00 0.00 0.00	0.00 (Ft) Wid Thickness (in) 0.00 0.00 0.00 0.50	Major M&R	(Ft) True Area:	47700 (SqFt)
Work Date 9/1/2023 9/1/2017 9/1/2014 9/1/2003 9/1/1995	995 Us Work Code OR-SS OR-SS CS-AC ST-SS OL-AT	Work Description Oregon Slurry Seal Oregon Slurry Seal Crack Sealing - AC Surface Treatment - Slurry Seal Overlay - AC Thin	Cost 0.00 0.00 0.00 0.00 0.00 0.00	0.00 (Ft) Wid Thickness (in) 0.00 0.00 0.00 0.50 2.00	Major M&R	(Ft) True Area:	47700 (SqFt)
Work Date 9/1/2023 9/1/2017 9/1/2014 9/1/2003 9/1/1965	995 Us Work Code OR-SS OR-SS CS-AC ST-SS OL-AT NC-AC BA-AG	Work Description Oregon Slurry Seal Oregon Slurry Seal Crack Sealing - AC Surface Treatment - Slurry Seal Overlay - AC Thin New Construction - AC Base Course - Aggregate	Cost 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	0.00 (Ft) Wid Thickness (in) 0.00 0.00 0.00 0.50 2.00 2.50 4.00	Major M&R	(Ft) True Area: Comm	47700 (SqFt)
Work Date 9/1/2023 9/1/2017 9/1/2014 9/1/2003 9/1/1995 9/1/1969 9/1/1965 Network:	Work Code OR-SS OR-SS CS-AC ST-SS OL-AT NC-AC BA-AG	Work Description Oregon Slurry Seal Oregon Slurry Seal Crack Sealing - AC Surface Treatment - Slurry Seal Overlay - AC Thin New Construction - AC Base Course - Aggregate Branch: T01BR	Cost 0.00 0.00 0.00 0.00 0.00 0.00 0.00 Taxiw	0.00 (Ft) Wide Thickness (in) 0.00 0.00 0.50 2.00 2.50 4.00 ay 01 Brooki	Major M&R	(Ft) True Area: Comm	47700 (SqFt) nents Surface:AC
Work Date 9/1/2023 9/1/2017 9/1/2014 9/1/2003 9/1/1965	Work Code OR-SS OR-SS CS-AC ST-SS OL-AT NC-AC BA-AG Brookings	Work Description Oregon Slurry Seal Oregon Slurry Seal Crack Sealing - AC Surface Treatment - Slurry Seal Overlay - AC Thin New Construction - AC Base Course - Aggregate Branch: T01BR	Cost 0.00 0.00 0.00 0.00 0.00 0.00 0.00 Taxiw	Thickness (in) 0.00 0.00 0.00 0.00 0.50 2.00 2.50 4.00 ay 01 Brooki .00 (Ft) Win	Major M&R	(Ft) True Area: Comm	47700 (SqFt)
Work Date 9/1/2023 9/1/2017 9/1/2014 9/1/2003 9/1/1995 9/1/1969 9/1/1965 Network:	Work Code OR-SS OR-SS CS-AC ST-SS OL-AT NC-AC BA-AG	Work Description Oregon Slurry Seal Oregon Slurry Seal Crack Sealing - AC Surface Treatment - Slurry Seal Overlay - AC Thin New Construction - AC Base Course - Aggregate Branch: T01BR	Cost 0.00 0.00 0.00 0.00 0.00 0.00 0.00 Taxiw	0.00 (Ft) Wide Thickness (in) 0.00 0.00 0.50 2.00 2.50 4.00 ay 01 Brooki	Major M&R	(Ft) True Area: Comm	47700 (SqFt) nents Surface: AC 15479 (SqFt)
Work Date 9/1/2023 9/1/2017 9/1/2014 9/1/2003 9/1/1969 9/1/1965 Network: L.C.D. 9/5/20	Work Code OR-SS OR-SS CS-AC ST-SS OL-AT NC-AC BA-AG Brookings 008 Us Work	Work Description Oregon Slurry Seal Oregon Slurry Seal Oregon Slurry Seal Crack Sealing - AC Surface Treatment - Slurry Seal Overlay - AC Thin New Construction - AC Base Course - Aggregate Branch: T01BR se: TAXIWAY Rank: S L	Cost 0.00 0.00 0.00 0.00 0.00 0.00 0.00 Taxiw. ength: 392	Thickness (in) 0.00 0.00 0.00 0.00 0.50 2.00 2.50 4.00 ay 01 Brooki .00 (Ft) Wid	Major M&R Major M&R Section: 0 dth: 25.00 Major	(Ft) True Area: Comm	47700 (SqFt) nents Surface: AC 15479 (SqFt)
Work Date 9/1/2023 9/1/2017 9/1/2014 9/1/2003 9/1/1965 9/1/1965 Network: L.C.D. 9/5/20 Work Date	Work Code OR-SS OR-SS CS-AC ST-SS OL-AT NC-AC BA-AG Brookings 008 Us Work Code	Work Description Oregon Slurry Seal Oregon Slurry Seal Oregon Slurry Seal Crack Sealing - AC Surface Treatment - Slurry Seal Overlay - AC Thin New Construction - AC Base Course - Aggregate Branch: T01BR se: TAXIWAY Rank: S L Work Description	Cost Cost 0.00 0.00 0.00 0.00 0.00 0.00 0.00 Taxiweength: 392 Cost	Thickness (in) 0.00 0.00 0.00 0.50 2.00 2.50 4.00 ay 01 Brooki .00 (Ft) Wid Thickness (in)	Section: 0 Major M&R Section: 0 Major M&R	(Ft) True Area: Comm	47700 (SqFt) nents Surface: AC 15479 (SqFt)
Work Date 9/1/2023 9/1/2017 9/1/2014 9/1/2003 9/1/1965 Network: L.C.D. 9/5/20 Work Date 9/1/2023	Work Code OR-SS OR-SS CS-AC ST-SS OL-AT NC-AC BA-AG Brookings 008 Us Work Code OR-SS	Work Description Oregon Slurry Seal Oregon Slurry Seal Oregon Slurry Seal Crack Sealing - AC Surface Treatment - Slurry Seal Overlay - AC Thin New Construction - AC Base Course - Aggregate Branch: T01BR se: TAXIWAY Rank: S L Work Description Oregon Slurry Seal New Construction - AC Base Course - Crushed	Cost 0.00 0.00 0.00 0.00 0.00 0.00 0.00 Taxiw. ength: 392 Cost 0.00	1.00 (Ft) Wide Thickness (in) 0.00 0.00 0.50 2.00 2.50 4.00 0.00 (Ft) Wide Thickness (in) 0.00 0.00	Section: 0 Major M&R Section: 0 Major M&R	(Ft) True Area: Comm (Ft) True Area: Comm	47700 (SqFt) nents Surface: AC 15479 (SqFt)
Work Date 9/1/2023 9/1/2017 9/1/2014 9/1/2003 9/1/1965 Network: L.C.D. 9/5/20 Work Date 9/1/2023 9/5/2008 9/4/2008	Work Code OR-SS OR-SS CS-AC ST-SS OL-AT NC-AC BA-AG Brookings 008 Us Work Code OR-SS NC-AC BA-CA	Work Description Oregon Slurry Seal Oregon Slurry Seal Oregon Slurry Seal Crack Sealing - AC Surface Treatment - Slurry Seal Overlay - AC Thin New Construction - AC Base Course - Aggregate Branch: T01BR se: TAXIWAY Rank: S L Work Description Oregon Slurry Seal New Construction - AC Base Course - Crushed Aggregate	Cost 0.00 0.00 0.00 0.00 0.00 0.00 0.00 Taxiw. ength: 392 Cost 0.00 0.00 0.00	1.00 (Ft) Wide Thickness (in) 0.00 0.00 0.50 2.50 4.00 2.50 4.00 Thickness (in) 0.00 (Ft) Wide Thickness (in) 0.00 4.00	Section: 0 Major M&R Section: 0 Major M&R F	Comm (Ft) True Area: (Ft) True Area: Comm 2-403, circa LCD 2-209, circa	47700 (SqFt) nents Surface: AC 15479 (SqFt)
Work Date 9/1/2023 9/1/2017 9/1/2014 9/1/2003 9/1/1965 Network: L.C.D. 9/5/20 Work Date 9/1/2023 9/5/2008 9/4/2008 9/3/2008	Work Code OR-SS OR-SS CS-AC ST-SS OL-AT NC-AC BA-AG Brookings 008 Us Work Code OR-SS NC-AC ST-SS OL-AT SU-CA	Work Description Oregon Slurry Seal Oregon Slurry Seal Oregon Slurry Seal Crack Sealing - AC Surface Treatment - Slurry Seal Overlay - AC Thin New Construction - AC Base Course - Aggregate Branch: T01BR Se: TAXIWAY Rank: S L Work Description Oregon Slurry Seal New Construction - AC Base Course - Crushed Aggregate Subbase - Crushed Aggregate	Cost 0.00 0.00 0.00 0.00 0.00 0.00 Taxiwa ength: 392 Cost 0.00 0.00 0.00 0.00 0.00	Thickness (in) 0.00 0.00 0.00 0.50 2.00 2.50 4.00 ay 01 Brooki 0.00 (Ft) Wickness (in) 0.00 2.00 4.00 8.00	Section: 0 Major M&R Section: 0 Major M&R F	Comm (Ft) True Area: (Ft) True Area: Comm 2-403, circa LCD 2-209, circa	47700 (SqFt) nents Surface: AC 15479 (SqFt)
Work Date 9/1/2023 9/1/2017 9/1/2014 9/1/2003 9/1/1965 Network: L.C.D. 9/5/20 Work Date 9/1/2023 9/5/2008 9/4/2008	Work Code OR-SS OR-SS CS-AC ST-SS OL-AT NC-AC BA-AG Brookings 008 Us Work Code OR-SS NC-AC BA-CA	Work Description Oregon Slurry Seal Oregon Slurry Seal Oregon Slurry Seal Crack Sealing - AC Surface Treatment - Slurry Seal Overlay - AC Thin New Construction - AC Base Course - Aggregate Branch: T01BR se: TAXIWAY Rank: S L Work Description Oregon Slurry Seal New Construction - AC Base Course - Crushed Aggregate	Cost 0.00 0.00 0.00 0.00 0.00 0.00 0.00 Taxiw. ength: 392 Cost 0.00 0.00 0.00	1.00 (Ft) Wide Thickness (in) 0.00 0.00 0.50 2.50 4.00 2.50 4.00 Thickness (in) 0.00 (Ft) Wide Thickness (in) 0.00 4.00	Section: 0 Major M&R Section: 0 dth: 25.00 Major M&R F	Comm (Ft) True Area: (Ft) True Area: Comm 2-403, circa LCD 2-209, circa	47700 (SqFt) nents Surface: AC 15479 (SqFt)

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Pavement Database: ODA_2023Survey_MASTER DB-12-13-2023-5pm

Network: Brookings		Branch: TA2BR	C Taxiw	ay A2 Brook	Section:	01	Suri	ace:AAC
L.C.D. 9/1/2	008 Us	se: TAXIWAY Rank: P L	ength: 108	3.00 (Ft) Wi	dth: 40.0	0 (Ft) True	e Area:	6446 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R		Comments	
9/1/2023	OR-SS	Oregon Slurry Seal	0.00	0.00				
9/1/2008	OL-AT	Overlay - AC Thin	0.00	0.00		circa 2008		
9/1/2003	ST-SS	Surface Treatment - Slurry Seal	0.00	0.50				
9/1/1995	OL-AT	Overlay - AC Thin	0.00	1.50	~			
9/1/1969	NC-AC	New Construction - AC	0.00	1.50				
9/1/1965	BA-AG	Base Course - Aggregate	0.00	4.00				
Network:	Brookings	Branch: TA2BR	. Taxiw	ay A2 Brook	Section:	02	Suri	ace:AC
L.C.D. 5/4/2	012 Us	se: TAXIWAY Rank: P L	ength: 88	3.00 (Ft) Wi	dth: 42.0	0 (Ft) True	e Area:	5041 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R		Comments	
9/1/2023	OR-SS	Oregon Slurry Seal	0.00	0.00				
5/4/2012	CR-AC	Complete Reconstruction - AC	0.00	2.00				
5/3/2012	BA-AG	Base Course - Aggregate	0.00	3.00				
5/2/2012	SB-AG	Subbase - Aggregate	0.00	7.00				
5/1/2012	FB-TX	Geotextile	0.00	0.00				
9/1/2008	OL-AT	Overlay - AC Thin	0.00	0.00		circa 2008		
9/1/2003	ST-SS	Surface Treatment - Slurry Seal	0.00	0.50				
9/1/1995	OL-AT	Overlay - AC Thin	0.00	1.50				
9/1/1969	NC-AC	New Construction - AC	0.00	2.00				
9/1/1965	BA-AG	Base Course - Aggregate	0.00	4.00				
Network:	Brookings	Branch: TABR	Taxiw	ay A Brooki	Section:			ace:AC
L.C.D. 9/1/2	008 Us	se: TAXIWAY Rank: P L	ength: 620	0.00 (Ft) Wi	dth: 25.0	0 (Ft) True	e Area:	15792 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R		Comments	
9/1/2023	OR-SS	Oregon Slurry Seal	0.00	0.00				
9/1/2014	CS-AC	Crack Sealing - AC	0.00	0.00				
9/1/2008	OL- ACTH	Overlay - Thin	0.00	0.00		circa 2008		
9/1/2003	ST-SS	Surface Treatment - Slurry Seal	0.00	0.10				
9/2/1995	NC-AC	New Construction - AC	0.00	2.00	~			
0/1/1005	BA AG	Rasa Course Aggregate	0.00	7.00				

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Network: Brookings		Branch: TABR	Taxiwa	ay A Brooki	Section:	02	Surface: AAC
L.C.D. 9/1/2	008 Us	se: TAXIWAY Rank: P L	ength: 2,440	.00 (Ft) Wid	dth: 25.0	0 (Ft) True Are	ea: 61828 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Co	omments
9/1/2023	OR-SS	Oregon Slurry Seal	0.00	0.00			
9/1/2014	CS-AC	Crack Sealing - AC	0.00	0.00	i i		
9/1/2008	OL- ACTH	Overlay - Thin	0.00	0.00		circa 2008	
9/1/2003	ST-SS	Surface Treatment - Slurry Seal	0.00	0.50			
9/1/1995	OL-AT	Overlay - AC Thin	0.00	1.50	~		
9/2/1972	NC-AC	New Construction - AC	0.00	1.50	~	UNKNOWN DA	ATE, circa 1972
9/1/1972	BA-UN	Base Course - Unknown (Major MR)	0.00	0.00			
		,					
Network:	Brookings	Branch: TLANE	EA1BR Taxila	ne A1 Brook	Section:	01	Surface:AC
L.C.D. 9/4/2	010 Us	se: TAXIWAY Rank: S L	ength: 135	.00 (Ft) Wid	dth: 25.0	0 (Ft) True Arc	ea: 3912 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Co	omments
9/1/2023	OR-SS	Oregon Slurry Seal	0.00	0.00			
9/4/2010	NC-AC	New Construction - AC	0.00	2.00	~		
9/3/2010	BA-AG	Base Course - Aggregate	0.00	3.00			
9/2/2010	SB-AG	Subbase - Aggregate	0.00	7.00			
9/1/2010	FB-TX	Geotextile	0.00	0.00			
Network:	Brookings	Branch: TLANE	EA2BR Taxila	ne A2 Brook	Section:	01	Surface:AC
L.C.D. 9/4/2	010 Us	se: TAXIWAY Rank: S L	ength: 221	.00 (Ft) Wid	dth: 25.0	0 (Ft) True Are	ea: 8968 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Co	omments
9/1/2023	OR-SS	Oregon Slurry Seal	0.00	0.00			
9/4/2010	NC-AC	New Construction - AC	0.00	2.00			
9/3/2010	BA-AG	Base Course - Aggregate	0.00	3.00			
9/2/2010	SB-AG	Subbase - Aggregate	0.00	7.00			
9/1/2010	FB-TX	Geotextile	0.00	0.00			
Network:	Č	Branch: TLANE			Section:	~ -	Surface: AC
L.C.D. 9/4/2		se: TAXIWAY Rank: S L	ength: 368	.00 (Ft) Wid		0 (Ft) True Are	ea: 14014 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Co	omments
9/1/2023	OR-SS	Oregon Slurry Seal	0.00	0.00			
9/4/2010	NC-AC	New Construction - AC	0.00	2.00			
9/3/2010	BA-AG	Base Course - Aggregate	0.00	3.00			
9/2/2010	SB-AG	Subbase - Aggregate	0.00	7.00			
9/1/2010	FB-TX	Geotextile	0.00	0.00			

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Network:	Brookings	Branch: TLANI	ECBR Taxilane C Brooki Section			01	Surface:AC
L.C.D. 9/4/2010 Use: TAXIWAY Rank: S L			ength: 197	.00 (Ft) Wie	dth: 25.0	0 (Ft) True Area:	7462 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comi	ments
9/1/2023	OR-SS	Oregon Slurry Seal	0.00	0.00			
9/4/2010	NC-AC	New Construction - AC	0.00	2.00			
9/3/2010	BA-AG	Base Course - Aggregate	0.00	3.00			
9/2/2010	SB-AG	Subbase - Aggregate	0.00	7.00			
9/1/2010	FB-TX	Geotextile	0.00	0.00			
Network:	Brookings	Branch: TLANI	ECBR Taxila	ne C Brooki	Section:	02	Surface:AC
L.C.D. 9/4/2	010 Us	se: TAXIWAY Rank: S L	ength: 212	.00 (Ft) Wie	dth: 25.0	0 (Ft) True Area:	5974 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comi	ments
9/1/2023	OR-SS	Oregon Slurry Seal	0.00	0.00			
9/4/2010	NC-AC	New Construction - AC	0.00	2.00			
9/3/2010	BA-AG	Base Course - Aggregate	0.00	3.00			
9/2/2010	SB-AG	Subbase - Aggregate	0.00	7.00			
9/1/2010	FB-TX	Geotextile	0.00	0.00			
					Surface:AC 7614 (SqFt)		
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Com	ments
9/1/2023	OR-SS	Oregon Slurry Seal	0.00	0.00			
5/4/2012	NC-AC	New Construction - AC	0.00	2.00			
5/3/2012	BA-AG	Base Course - Aggregate	0.00	3.00			
5/2/2012	SB-AG	Subbase - Aggregate	0.00	7.00			
5/1/2012	FB-TX	Geotextile	0.00	0.00			

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Summary:

Work Description	Section Count	Area Total (SqFt)	Thickness Avg (in)	Thickness STD (in)
Base Course - Unknown (Major MR)	4	78,958.00	0.00	0.00
Base Course - Aggregate	19	376,100.00	3.79	1.99
Base Course - Crushed Aggregate	2	43,273.00	5.00	1.00
Complete Reconstruction - AC	3	80,960.00	2.00	0.00
Crack Sealing - AC	11	309,860.00	0.00	0.00
Geotextile	9	128,904.00	0.00	0.00
New Construction - AC	22	417,371.00	1.50	0.84
New Construction - Initial	1	48,125.00	0.00	0.00
Oregon Fog Seal	3	62,622.00	0.00	0.00
Oregon Slurry Seal	17	500,530.00	0.00	0.00
Overlay - AC Thin	9	251,879.00	0.94	0.86
Overlay - Thin	4	88,458.00	0.00	0.00
Subbase - Aggregate	9	128,904.00	6.89	0.31
Subbase - Crushed Aggregate	1	15,479.00	8.00	0.00
Subbase - Geotexlile	1	15,479.00	0.00	0.00
Subgrade - Compacted	1	15,479.00	12.00	0.00
Surface Seal - Fog Seal	2	75,919.00	0.05	0.05
Surface Treatment - Slurry Seal	12	293,553.00	0.47	0.11