2022 ODA Pavement Evaluation Program Enterprise Municipal Airport

Enterprise, Oregon

May 8, 2023

Prepared for

State of Oregon Department of Aviation 3040 25th Street SE Salem, OR 97303-1125

Prepared by



16520 SW Upper Boones Ferry Road, Suite 100 Tigard, OR 97224-7661 (503) 641-3478 | www.gri.com



TABLE OF CONTENTS

1	OVER\	/IEW	1
2	PAVEN	MENT INVENTORY	1
3	PAVEN	MENT CONDITION INSPECTION RESULTS	4
3	3.1 Introdu	uction	.4
3	3.2 Pavem	ent Condition Index Survey Results	.4
4	FUTUF	RE PAVEMENT CONDITION ANALYSIS	5
4	l.1 Introdu	uction	. 5
4	.2 Future	Condition Analysis	. 5
		onal Remaining Life	
5		TENANCE AND REHABILITATION PROJECT RECOMMENDATIONS	
_		uction	
		mended Localized Maintenance	
		Maintenance and Rehabilitation Plan	
6		ATIONS	
U	LIIVIII		,
TAB	I EC		
	e 3-1:	ASTM PCI Rating Scale	
	e 5-1:	Localized Maintenance Quantities	
	e 5-2:	Global Maintenance and Rehabilitation Quantities	
FIGL	JRES		
_	re 2.1:	Enterprise Municipal Airport Location Map	
_	re 2.2:	Enterprise Municipal Airport Pavement Area by Surface Type	
_	re 2.3:	Enterprise Municipal Airport Pavement Area by Branch Use	
_	re 2.4:	Enterprise Municipal Airport Pavement Inventory	
_	re 3.1: re 3.2:	2022 PCI Survey Results Enterprise Municipal Airport Enterprise Municipal Airport Pavement Condition Rating by Percent of Area	
_	re 4.1:	Future Pavement Condition Enterprise Municipal Airport	
_	re 5.1:	Enterprise Municipal Airport Pavement Network General Treatment Type	
3		Distribution Based on PCI	
Figui	re 5.2:	5-Year Pavement Management Plan Enterprise Municipal Airport	
APP	ENDICES	5	
Appe	endix A:	Pavement Inventory Report and Maps	
Appe	endix B:	Pavement Condition Index Survey Results	
Appe	endix C:	Future Pavement Condition Analysis	
Appe	endix D:	Unit Cost Data and Maintenance and Rehabilitation Plan	
Appe	endix E:	Reinspection Report	



APPENDICES (continued)

Appendix F: Work History Report



1 **OVERVIEW**

GRI assisted with updating the Oregon Department of Aviation (ODA) airport pavement management system and developing a five-year plan for global maintenance and rehabilitation (M&R) and preservation work for the Enterprise Municipal Airport in Enterprise, Oregon. This project was implemented as a part of the ODA 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 Enterprise Municipal Airport in 2022 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

Enterprise Municipal Airport is located in Enterprise, Oregon, and is owned and operated by the City of Enterprise. The airport consists of one runway that serves a variety of general aviation aircraft. The general location of the airport is shown below on the Enterprise Municipal Airport Location Map, Figure 2.1.





Figure 2.1 - ENTERPRISE MUNICIPAL AIRPORT LOCATION MAP

Enterprise Municipal Airport contains one runway, one primary parallel taxiway, and multiple connector taxiways, taxilanes, and aprons. The types of airside pavements include asphalt concrete (AC), AC overlaid with AC (AAC), portland cement concrete (PCC), and surface-treated (ST) pavements. The airport pavements, delineated by surface type and branch use, are shown on the Enterprise Airport Percent of Pavement Area by Surface Type, Figure 2.2, and on the Enterprise Pavement Area by Branch Use, Figure 2.3. The pavement inventory, including work history for each pavement section, is displayed spatially on the Enterprise Municipal 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 in Table 1F.



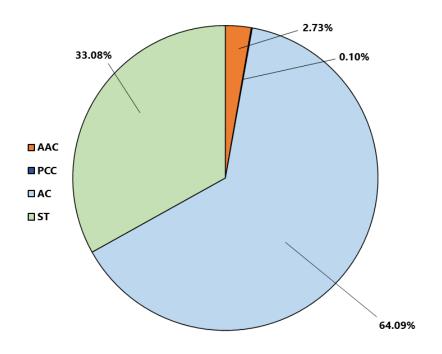


Figure 2.2 - ENTERPRISE MUNICIPAL AIRPORT PERCENT OF PAVEMENT AREA BY SURFACE TYPE

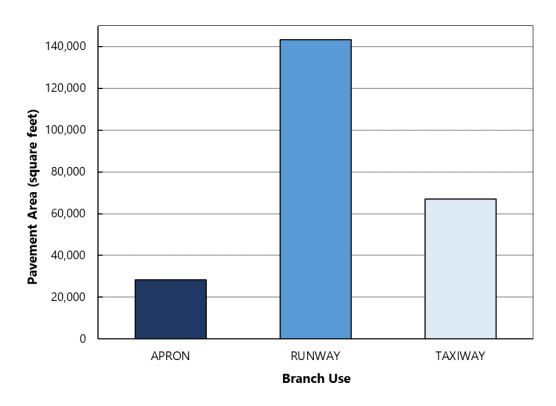
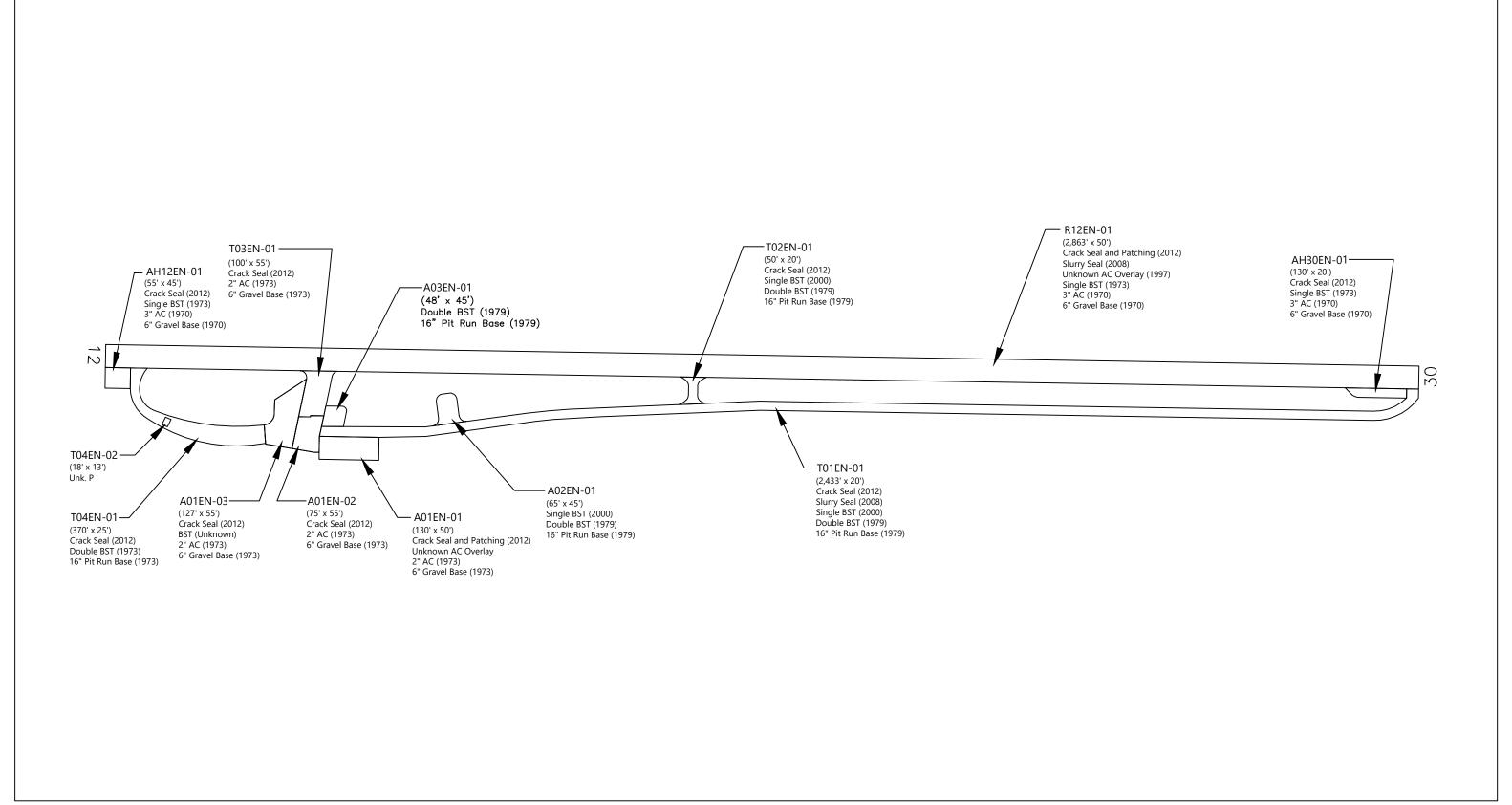
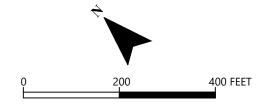
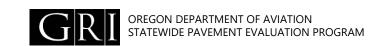


Figure 2.3 - ENTERPRISE MUNICIPAL AIRPORT PAVEMENT AREA BY BRANCH USE



ABBREVIATIONS: AC = ASPHALT CONCRETE; PCC = PORTLAND CEMENT CONCRETE; BST = BITUMINOUS SURFACE TREATMENT; Unk. = UNKNOWN





ENTERPRISE MUNICIPAL AIRPORT PAVEMENT INVENTORY

MAY 2023 JOB NO 6939-D



3 PAVEMENT CONDITION INSPECTION RESULTS

3.1 Introduction

GRI conducted a visual PCI survey of the airside pavements at Enterprise Municipal Airport in July 2022. The 2022 survey work was performed on sections last inspected in 2017 in order to update the Enterprise Municipal Airport inspection data. GRI performed the 2022 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.

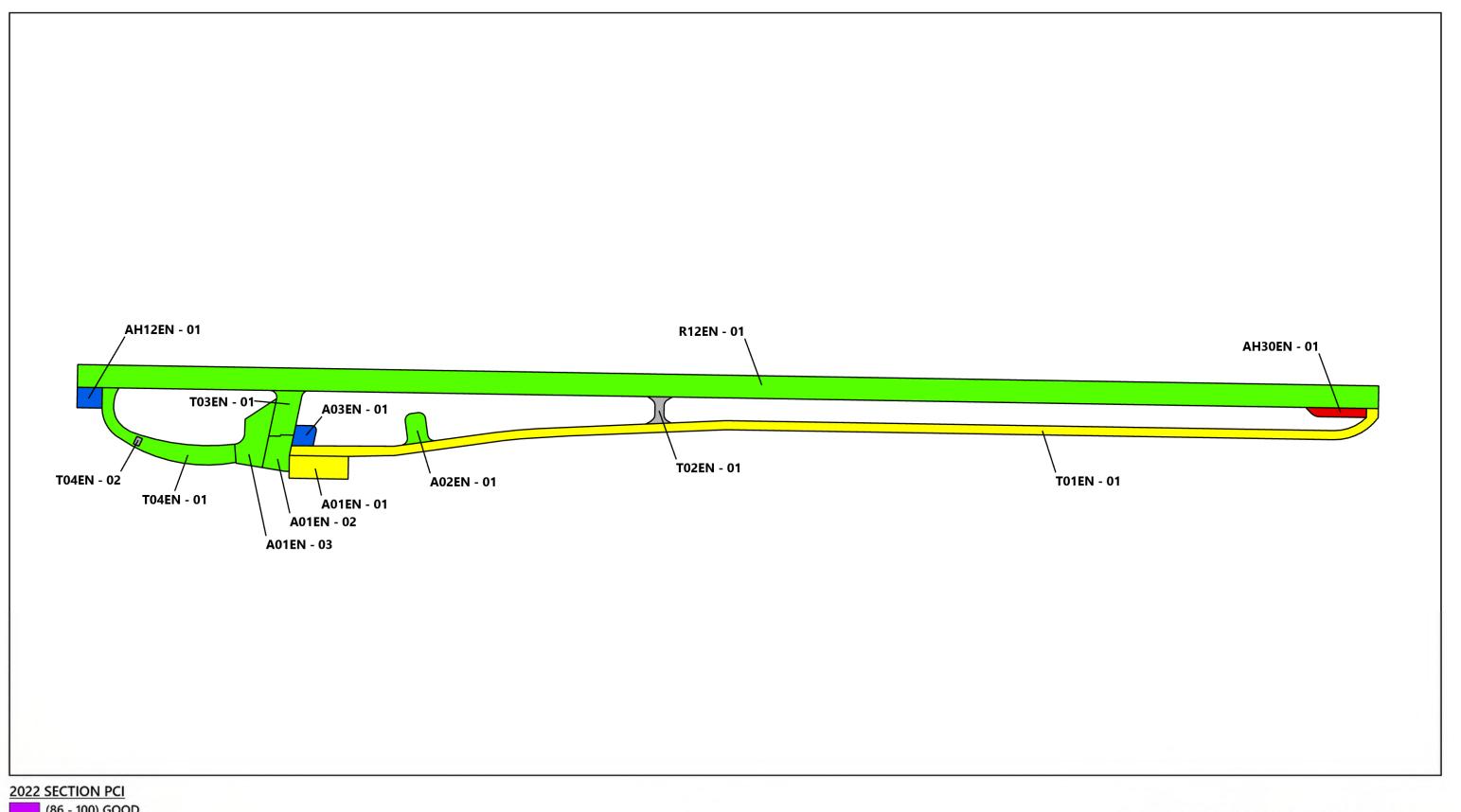
The PCI is based on the type, severity, and quantity of each distress found in an inspected sample unit. Further discussion of distress types for flexible and rigid pavement is provided in Appendix B and summarized in Table 1B in Appendix B. The results of the PCI survey are displayed using a seven-category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

PCI PCI **PCI Rating and Definition** Legend Range 86 -GOOD: Pavement has minor or no distresses and should require only routine maintenance. 100 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 safety; 11 - 25immediate repairs are needed. FAILED: Pavement deterioration has progressed to the point that safe aircraft operations 0 - 10are 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 Enterprise Municipal Airport is approximately 46. The section PCIs ranged from a low of 0 to a high of 57. The primary distresses observed during the inspection were weathering, longitudinal and transverse cracking, fatigue (alligator) cracking, raveling and bleeding on AC-surfaced pavements, and spalling on PCC pavements. Section PCIs following our pavement survey are displayed below spatially on the 2022 PCI Survey Results Enterprise Municipal Airport, 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



2022 PCI SURVEY RESULTS ENTERPRISE MUNICIPAL AIRPORT

MAY 2023

JOB NO. 6593-D

FIG. 3.1



The condition distribution of the network by percent of total pavement area is provided on the Enterprise Municipal 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 2022 inspection is provided in Table 4B in Appendix B. The reinspection report that includes inspection details for individual sample units is provided in Table 1E in Appendix E.

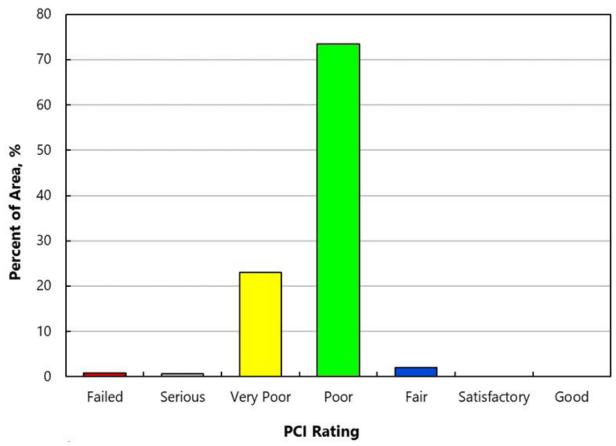


Figure 3.2 - ENTERPRISE MUNICIPAL AIRPORT PAVEMENT CONDITION RATING BY PERCENT OF AREA

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 Enterprise Municipal Airport are displayed on Figures 1C through 4C in Appendix C.



4.2 Future Condition Analysis

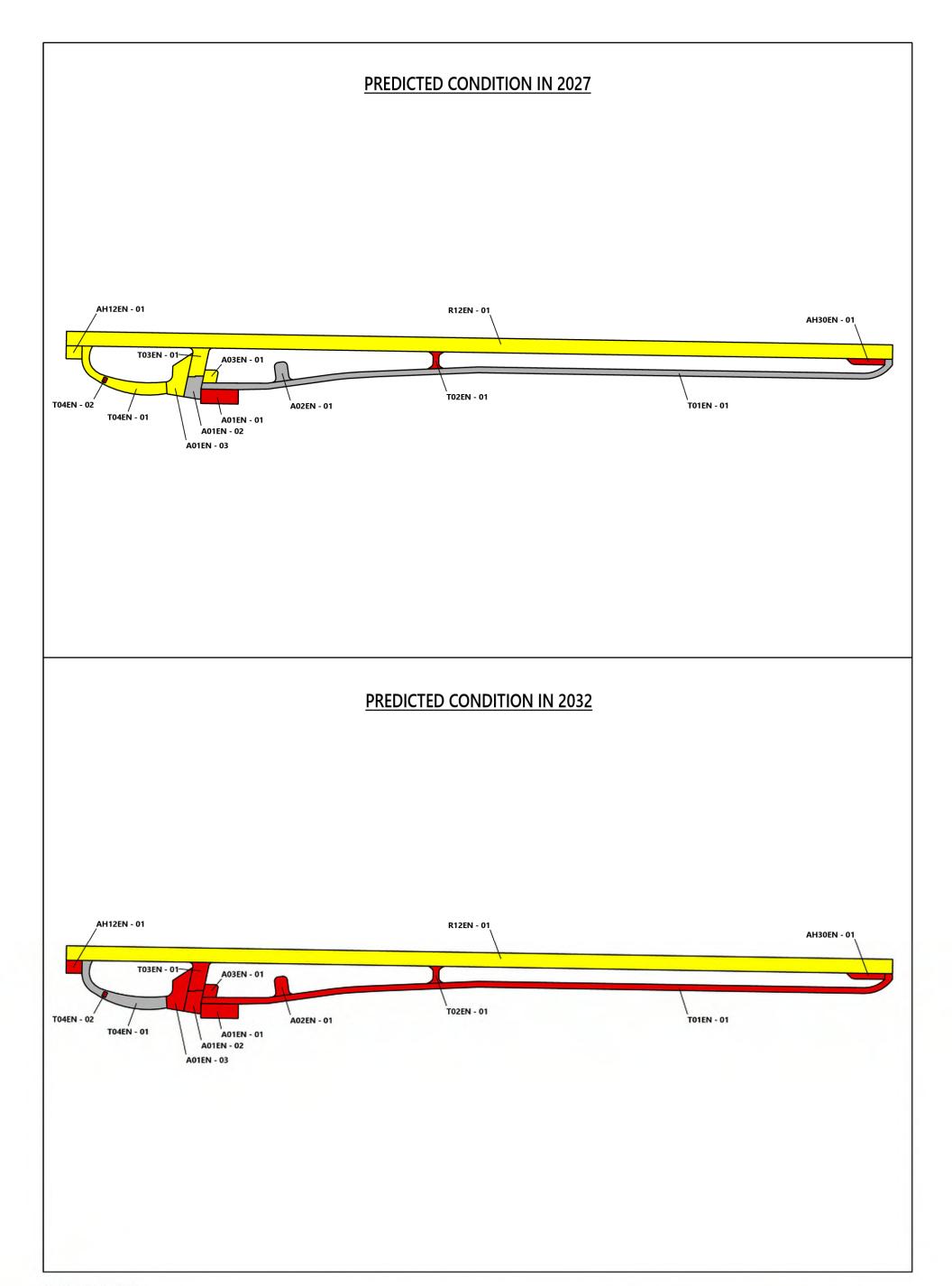
Using the condition prediction models discussed above, the projected condition of each pavement section was determined for 5- and 10-year periods. Based on this analysis, we project the PCI to decrease from a current value of 46 to a value of 32 in the year 2027 and 19 in year the 2032 if no maintenance or rehabilitation work is performed. The projected pavement condition in five years and ten years for each pavement section at Enterprise Municipal Airport is displayed spatially on the Future Pavement Condition Enterprise Municipal Airport, 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

The 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 Enterprise Municipal 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 Enterprise Municipal Airport are summarized in Table 2C in Appendix C.



SECTION PCI

(86 - 100) GOOD

(71 - 85) SATISFACTORY

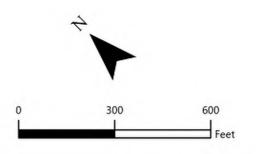
(26 - 40) VERY POOR

(56 - 70) FAIR

(41 - 55) POOR

(0 - 10) FAILED

(11 - 25) SERIOUS





OREGON DEPARTMENT OF AVIATION STATEWIDE PAVEMENT EVALUATION PROGRAM

FUTURE PAVEMENT CONDITION ENTERPRISE MUNICIPAL AIRPORT

MAY 2023 JOB NO. 6593-D

FIG. 4.1



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, global maintenance, and rehabilitation needs. Details of our M&R work priority and unit costs for work activities are provided in Tables 1D and 2D, respectively, in Appendix D.

Based on the 2022 PCI survey results shown on the Enterprise Municipal Airport Pavement Network General Treatment Type Distribution Based on PCI, Figure 5.1 displays a breakdown of the Enterprise Municipal Airport network pavement condition by percent of area and general M&R treatment categories. Approximately 76% and 24% of the area require rehabilitation and reconstruction.

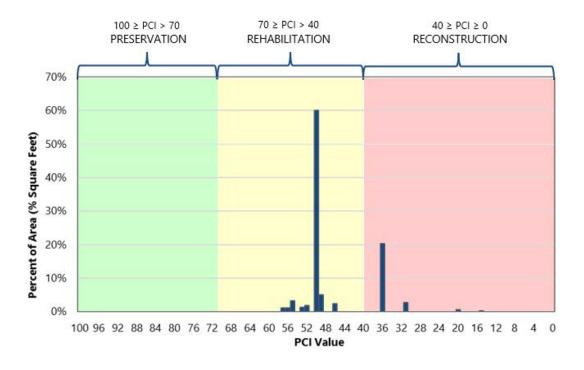


Figure 5.1 - ENTERPRISE MUNICIPAL AIRPORT PAVEMENT NETWORK GENERAL TREATMENT TYPE DISTRIBUTION BASED ON PCI

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 global maintenance and rehabilitation projects associated with the five-year global



maintenance and rehabilitation work plan. A summary of total localized maintenance quantities is provided in Table 5-1 below.

Table 5-1: LOCALIZED MAINTENANCE QUANTITIES

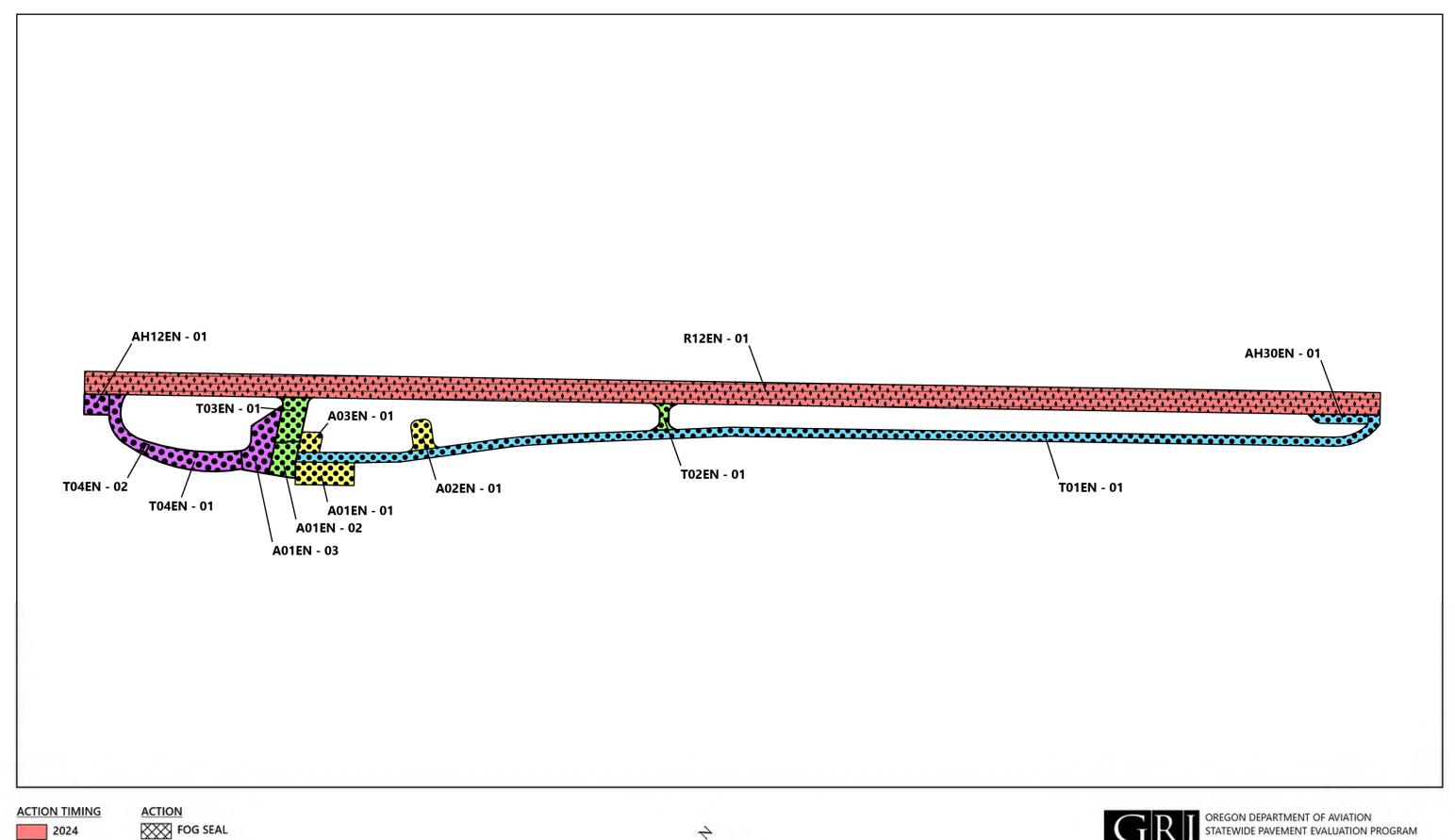
Localized Maintenance Operation	Quantity
Asphalt Concrete Crack Sealing	23,966 linear feet
Portland Cement Concrete Crack Sealing	31 linear feet
Asphalt Concrete Full-Depth Patching	3,491 linear feet

5.3 Global Maintenance and Rehabilitation Plan

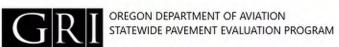
To develop the five-year work plan, we first ran the eliminate backlog scenario with the PAVER M&R Work Planning Module in order to generate a list, organized by year, of global M&R projects. We then reviewed the project list and refined it into practical construction projects for each year. A summary of global M&R quantities is provided in Table 5-2 below, and maps of the project locations by year are shown on the 5-Year Pavement Management Plan Enterprise Municipal Airport Figure 5.2. The complete list of recommended global M&R projects is presented in Table 4D in Appendix D.

Table 5-2: GLOBAL MAINTENANCE AND REHABILITATION QUANTITIES

Global Maintenance or Rehabilitation Operation	Quantity, square feet
Reconstruction	82,808
Overlay	155,597
Fog Seal	7,507







5-YEAR PAVEMENT MANAGEMENT PLAN **ENTERPRISE MUNICIPAL AIRPORT**

FIG. 5.2

JOB NO. 6593-D MAY 2023



6 LIMITATIONS

This report has been prepared to assist the Oregon Department of Aviation (ODA) with pavement-related project planning for the Enterprise Municipal Airport. The scope is limited to the specific pavement areas described herein. The conclusions and recommendations provided in this report are based on information provided by ODA, estimated costs, and an understanding of the pavement conditions based solely on visual assessment. The global maintenance and rehabilitation 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 herein. 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 Enterprise Municipal Airport would like to know more about the results presented in this report, please contact the undersigned.

Submitted for GRI,

PROFF

RENEWS: 06/2023

Lindsi A. Hammond, PE

Principal

Matthew A. Haynes, PE

Project Engineer

Ana-Maria Coca, PhD Engineering Staff

This document has been submitted electronically.



APPENDIX A

Pavement Inventory Report and Maps



APPENDIX A

PAVEMENT INVENTORY REPORTS AND MAPS

A.1 PAVEMENT NETWORK

Enterprise Municipal Airport is located in Enterprise, Oregon, and is owned and operated by the City of Enterprise. The pavement network/facilities at Enterprise Municipal Airport serve a variety of general aviation aircraft. Enterprise Municipal Airport consists of one runway, one primary parallel taxiway, multiple connector taxiways, taxilanes, and several aprons. The types of airside pavements include asphalt concrete (AC), AC overlaid with AC (AAC), portland cement concrete (PCC), and surface-treated (ST) pavements.

The current airport pavement management system (APMS) network at Enterprise Municipal Airport has an approximate area of 238 thousand 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 a pavement system and has a distinct function. For airports, branches typically consist of individual runways, taxiways, and aprons. The current pavement network for Enterprise Municipal Airport contains 10 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 Enterprise Municipal Airport contains 13 sections that are managed by the City of Enterprise, 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 and 20 slabs \pm 8 slabs for rigid pavements. 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 2022 Enterprise Municipal Airport PCI survey, Table 3A was used as a guideline in developing sampling rates for flexible and rigid 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 Enterprise Municipal 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 - ENTERPRISE AIRPORT PAVEMENT BRANCHES

Facility Designation (Branch ID)	Branch Name	Number of Sections	Approximate Area, square feet
A01EN	Apron 01 Enterprise	3	18,189
A02EN	Apron 02 Enterprise	1	2,970
A03EN	Apron 03 Enterprise	1	2,105
AH12EN	Hold Apron RW 12 End Enterprise	1	2,475
AH30EN	Hold Apron RW 30 End Enterprise	1	2,465
R12EN	Runway 12/30 Enterprise	1	143,150
T01EN	Taxiway 01 Enterprise	1	48,242
T02EN	Taxiway 02 Enterprise	1	1,193
T03EN	Taxiway 03 Enterprise	1	5,464
T04EN	Taxiway 04 Enterprise	2	12,152



Table 2A - ENTERPRISE AIRPORT CURRENT PAVEMENT INVENTORY

									Approximate Area, square			Approximate Slab Length,	Approximate	Number of
BranchID	Branch Name	Branch Use	SectionID	From	То	Rank	Length, feet	Width, feet	feet	LCD	Surface Type	feet	Slab Width, feet	Slabs
A01EN	Apron 01 Enterprise	APRON	01	A01-02	End	Р	130	50	6,500	32,752	AAC	0	0	0
A01EN	Apron 01 Enterprise	APRON	02	A01-01	A01-03	Р	60	70	4,182	26,909	AC	0	0	0
A01EN	Apron 01 Enterprise	APRON	03	A01-02	T04-01	Р	58	155	7,507	26,910	ST	0	0	0
A02EN	Apron 02 Enterprise	APRON	01	T01-01	EDGE	S	65	45	2,970	36,770	ST	0	0	0
A03EN	Apron 03 Enterprise	APRON	01	T01-01, T03-01	End	S	48	45	2,105	29,100	ST	0	0	0
AH12EN	Hold Apron RW 12 End Enterprise	APRON	01	R12 End	Edge	Р	55	45	2,475	26,908	ST	0	0	0
AH30EN	Hold Apron RW 30 End Enterprise	APRON	01	R30 END	EDGE	Р	130	20	2,465	26,908	ST	0	0	0
R12EN	Runway 12/30 Enterprise	RUNWAY	01	R30 End	R12 End	Р	2,863	50	143,150	35,674	AC	0	0	0
T01EN	Taxiway 01 Enterprise	TAXIWAY	01	R30 End	T03-01	Р	2,433	20	48,242	36,770	ST	0	0	0
T02EN	Taxiway 02 Enterprise	TAXIWAY	01	R12	T01	Р	50	20	1,193	36,770	ST	0	0	0
T03EN	Taxiway 03 Enterprise	TAXIWAY	01	R12	A01	Р	98	53	5,464	26,909	AC	0	0	0
T04EN	Taxiway 04 Enterprise	TAXIWAY	01	R12 End	A01-03	Р	370	35	11,918	26,909	ST	0	0	0
T04EN	Taxiway 04 Enterprise	TAXIWAY	02	T04-01	-	Р	18	13	234	367	PCC	18	13	1

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, PCC = Portland Cement Concrete, ST = Surface Treatment





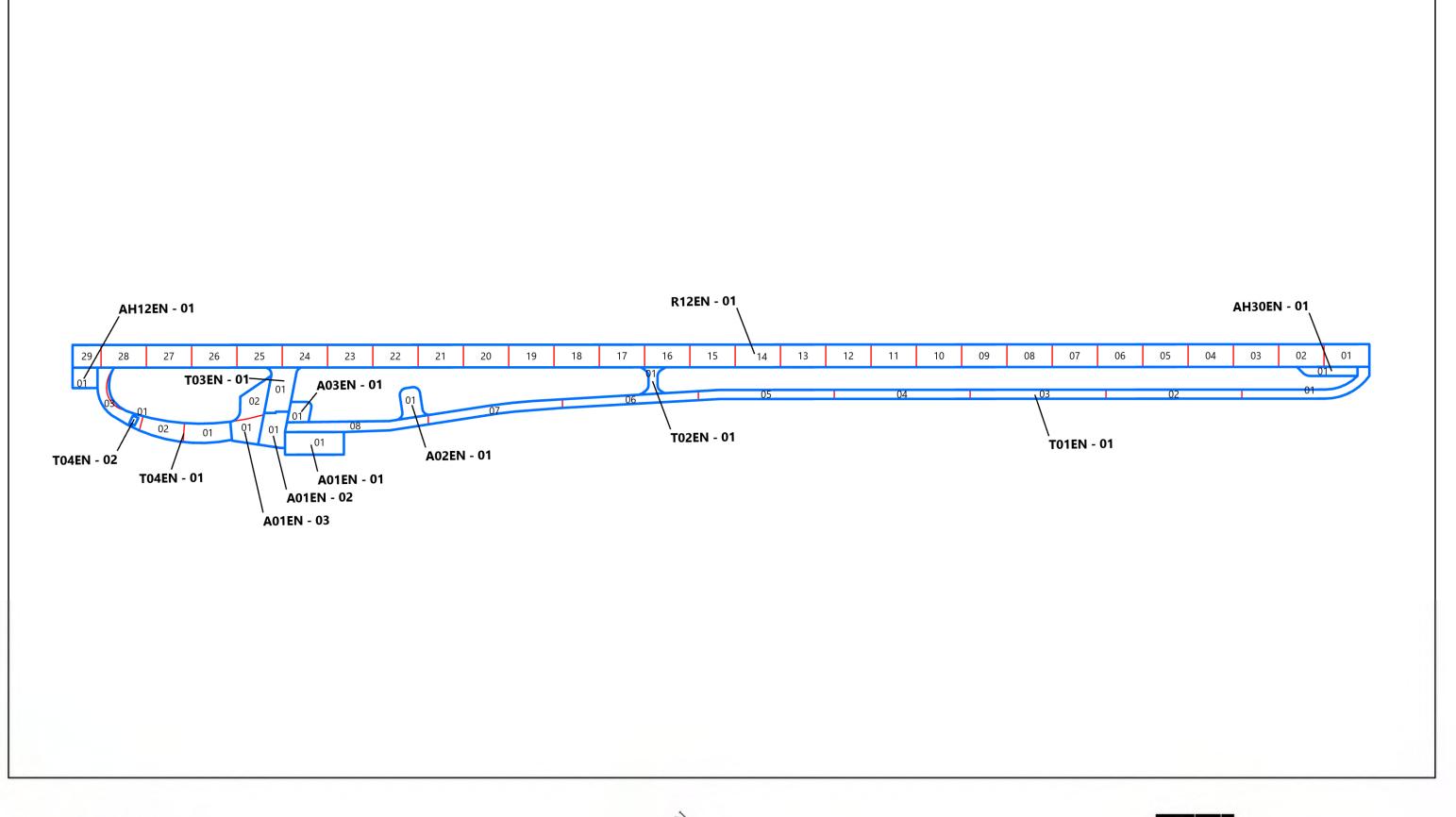
Table 3A: EXAMPLE SAMPLE RATES FOR AC AND PCC PAVEMENTS

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					

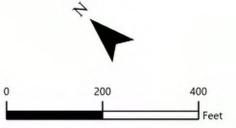
Note: AC = Asphalt Concrete

PCC = portland cement concrete

PCC Sampling Rate							
Total Number of Sample Units, N	Sample Units to Survey, n						
1	1						
2	2						
3-4	3						
5-6	4						
7-8	5						
9-11	6						
12-14	7						
15-19	8						
20-27	9						
28-38	10						
39-58	11						
59-104	12						
105-313	13						
314+	14						









SAMPLE UNIT LAYOUT
ENTERPRISE MUNICIPAL AIRPORT

MAY 2023 JOB NO. 6593-D



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) and rigid pavement (e.g., PCC) distress types are presented in Table 1B. A summary of the pavement condition results by branch and section are included in Tables 2B and 3B of Appendix B, respectively.

Table 1B: PAVER DISTRESS CODES FOR FLEXIBLE AND RIGID 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						

Rigid Pavement								
PAVER Code	Pavement Distress	Related Cause						
61	Blow-Up	Load						
62	Corner Break	Load						
63	Longitudinal, Transverse, & Diagonal Cracks	Climate/ Durability						
64	Durability Cracking	Climate/ Durability						
65	Joint Seal Damage	Other						
66	Small Patch	Other						
67	Large Patch	Other						
68	Pop Outs	Other						
69	Pumping	Other						
70	Scaling	Other						
71	Faulting	Other						
72	Shattered Slab	Load						



Flexible Pavement								
PAVER Code	Pavement Distress	Related Cause						
53	Rutting	Load						
54	Shoving	Other						
55	Slippage Cracking	Other						
56	Swelling	Other						
57	Weathering	Climate/ Durability						

Rigid Pavement								
PAVER Code	Pavement Distress	Related Cause						
73	Shrinkage Cracking	Other						
74	Joint Spalls	Other						
75	Corner Spalls	Other						
76	Alkali-Silica Reactivity (ASR)	Other						

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 and are 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 the 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. Rigid



pavement distresses include corner breaks, longitudinal cracking, divided slabs, polished aggregate, pumping, and joint spalling.

- Climate- and durability-related: Flexible pavement distresses include bleeding, block cracking, joint reflection cracking, longitudinal and transverse (L&T) cracking, swelling, and raveling/weathering. Rigid pavement distresses include blow-ups, durability cracking, longitudinal cracking, pop-outs, pumping, scaling, shrinkage cracks, and joint and corner spalling.
- **Moisture-** and drainage-related: Flexible pavement distresses include alligator/ fatigue cracking, depressions, potholes, and swelling. Rigid pavement distresses include corner breaks, divided slabs, and pumping.
- Other factors: Oil spillage, jet blast erosion, bleeding, patching, and concrete slab joint faulting.

As described above, a 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, a 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 Enterprise Municipal Airport pavement network consists of 10 branches and 13 sections. A total of 22 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 2022 PCI survey, the area-weighted average PCI for the entire pavement network at Enterprise Municipal Airport is approximately 46, which corresponds to a PCI rating of Poor.

To investigate the rate of deterioration of each pavement section we compared the PCI results from the 2022 survey to the PCI results from the previous inspection. The variation in PCI between inspections for Enterprise Municipal Airport pavement sections is outlined in Table 4B in this appendix.

Table 2B - ENTERPRISE AIRPORT CURRENT BRANCH CONDITION REPORT

Branch ID	Number of Sections	Approximate Area, square feet	Use	Area Weighted Average Branch PCI	PCI Category
A01EN	3	18,189	APRON	46	Poor
A02EN	1	2,970	APRON	53	Poor
A03EN	1	2,105	APRON	0	Failed
AH12EN	1	2,475	APRON	56	Fair
AH30EN	1	2,465	APRON	57	Fair
R12EN	1	143,150	RUNWAY	50	Poor
T01EN	1	48,242	TAXIWAY	36	Very Poor
T02EN	1	1,193	TAXIWAY	20	Serious
T03EN	1	5,464	TAXIWAY	46	Poor
T04EN	2	12,152	TAXIWAY	48	Poor

Use Category	Number of Sections	Total Area, square feet	Area Weighted Average PCI
APRON	7	28,204	45
RUNWAY	1	143,150	50
TAXIWAY	5	67,051	39
ALL	13	238,405	46

Abbreviation: PCI = Pavement Condition Index



Table 3B - ENTERPRISE AIRPORT 2022 PAVEMENT CONDITION INDEX SURVEY RESULTS

DbiD	Continuin	Last Caratanation Bata	Conferent Tomas	11	Last lasar ation Bata	A	DCI	DCI Catalian	DCI % Climata	DCI 0/ II	DCI 0/ Other
BranchID	SectionID	Last Construction Date	Surface Type	Use	Last Inspection Date	Age at Inspection	PCI	PCI Category	PCI % Climate	PCI % Load	PCI % Other
A01EN	01	9/1/1989	AAC	APRON	7/1/2022	33	31	Very Poor	80	20	0
A01EN	02	9/2/1973	AC	APRON	7/1/2022	49	52	Poor	75	25	0
A01EN	03	9/3/1973	ST	APRON	7/1/2022	49	55	Poor	82	18	0
A02EN	01	9/1/2000	ST	APRON	7/1/2022	22	53	Poor	100	0	0
A03EN	01	9/2/1979	ST	APRON	7/1/2022	43	0	Failed	6	94	0
AH12EN	01	9/1/1973	ST	APRON	7/1/2022	49	56	Fair	56	44	0
AH30EN	01	9/1/1973	ST	APRON	7/1/2022	49	57	Fair	100	0	0
R12EN	01	9/1/1997	AC	RUNWAY	7/1/2022	25	50	Poor	83	17	0
T01EN	01	9/1/2000	ST	TAXIWAY	7/1/2022	22	36	Very Poor	25	50	25
T02EN	01	9/1/2000	ST	TAXIWAY	7/1/2022	22	20	Serious	37	26	37
T03EN	01	9/2/1973	AC	TAXIWAY	7/1/2022	49	46	Poor	55	45	0
T04EN	01	9/2/1973	ST	TAXIWAY	7/1/2022	49	49	Poor	54	46	0
T04EN	02	1/1/1901	PCC	TAXIWAY	7/1/2022	122	15	Serious	0	51	49

Abbreviations:

AC = Asphalt Concrete, AAC = AC overlaid AC, PCC = Portland Cement Concrete, ST = Surface Treatment, PCI = Pavement Condition Index



Table 4B - ENTERPRISE AIRPORT COMPARISON OF PREVIOUS INSPECTION AND 2022 RESULTS

			Approximate Area, square			2017 Surv	ey	20	022 Survey			Rate of
Branch ID	Section ID	Surface Type ¹	feet	LCD ²	PCI	PCI Category	Insp. Date	PCI	PCI Category	Age ³	Δ PCI/yr ⁴	Deterioration
A01EN	01	AAC	6,500	9/1/1989	27	Very Poor	6/13/2017	31	Very Poor	28	0.79	NONE
A01EN	02	AC	4,182	9/2/1973	71	Satisfactory	6/13/2017	52	Poor	44	-3.76	NORMAL
A01EN	03	ST	7,507	9/3/1973	78	Satisfactory	6/13/2017	55	Poor	44	-4.55	HIGH
A02EN	01	ST	2,970	9/1/2000	68	Fair	6/13/2017	53	Poor	17	-2.97	NORMAL
A03EN	01	ST	2,105	9/2/1979	1	Failed	6/13/2017	0	Failed	38	-0.20	NORMAL
AH12EN	01	ST	2,475	9/1/1973	59	Fair	6/13/2017	56	Fair	44	-0.59	NORMAL
AH30EN	01	ST	2,465	9/1/1973	31	Very Poor	6/13/2017	57	Fair	44	5.15	NONE
R12EN	01	AC	143,150	9/1/1997	57	Fair	6/13/2017	50	Poor	20	-1.39	NORMAL
T01EN	01	ST	48,242	9/1/2000	36	Very Poor	6/13/2017	36	Very Poor	17	0.00	NONE
T02EN	01	ST	1,193	9/1/2000	33	Very Poor	6/13/2017	20	Serious	17	-2.57	NORMAL
T03EN	01	AC	5,464	9/2/1973	71	Satisfactory	6/13/2017	46	Poor	44	-4.95	HIGH
T04EN	01	ST	11,918	9/2/1973	43	Poor	6/13/2017	49	Poor	44	1.19	NONE
T04EN	02	PCC	234	1/1/1901	43	Poor	6/13/2017	15	Serious	117	-5.54	HIGH

Abbreviations:



¹ AC = Asphalt Concrete, AAC = AC overlaid AC, PCC = Portland Cement Concrete, ST = Surface Treatment, PCI = Pavement Condition Index

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

³ Age = Pavement age in years at the time of the PCI survey in 2017

 $^{^4}$ Δ PCI/yr = Change in PCI points per year between 2017 survey and 2022 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 Enterprise Municipal Airport. The delineation is based on branch use, surface type, section rank, and structural design life. We use five distinct models for the following "families" of pavements at Enterprise Municipal Airport. For each model, we reviewed the data in order to filter out any inconsistent or inaccurate data or any data that fall 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 4C below.



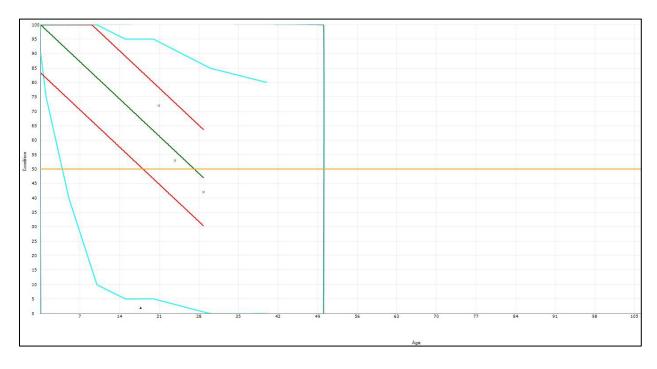


Figure 1C - CONDITION PREDICTION MODEL FOR EASTERN CATEGORY 5 PCC RUNWAYS, TAXIWAYS, AND APRONS

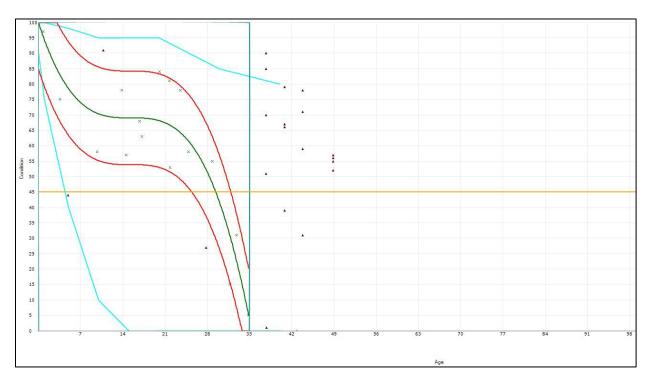


Figure 2C - CONDITION PREDICTION MODEL FOR EASTERN CATEGORY 5 AC AND AAC APRONS



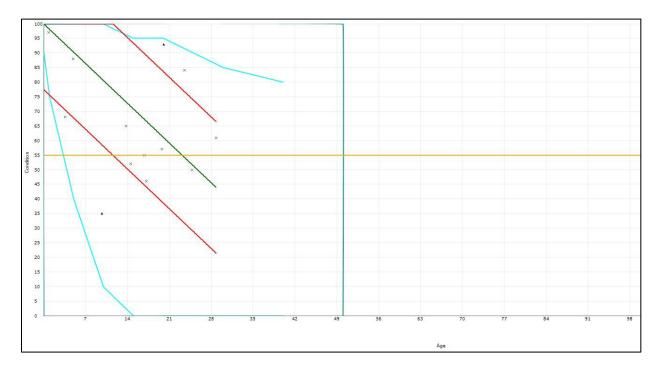


Figure 3C - CONDITION PREDICTION MODEL FOR EAASTERN CATEGORY 5 AC AND AAC RUNWAYS

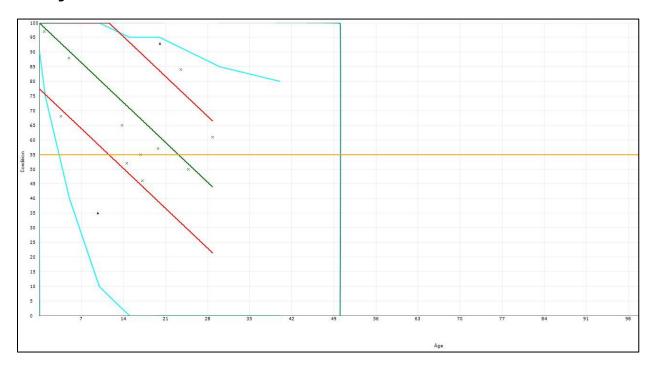


Figure 4C - CONDITION PREDICTION MODEL FOR EASTERN CATEGORY 5 AC AND AAC TAXIWAYS



C.3 CRITICAL PCI

Each of the condition-prediction models have 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 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 Enterprise Municipal Airport:

- Runways 55
- Taxiways/Taxilanes 50
- Aprons 45

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 Enterprise Municipal 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 Enterprise Municipal 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 I	uture PCI
BranchID	SectionID	2017	2022	2027	2032
A01EN	01	27	31	0	0
A01EN	02	71	52	22	0
A01EN	03	78	55	28	0
A02EN	01	68	53	24	0
A03EN	01	1	0	0	0
AH12EN	01	59	56	30	0
AH30EN	01	31	57	33	0
R12EN	01	57	50	40	31
T01EN	01	36	36	17	0
T02EN	01	33	20	1	0
T03EN	01	71	46	27	9
T04EN	01	43	49	30	12
T04EN	02	43	15	6	0

Abbreviation: PCI = Pavement Condition Index



Table 2C - ENTERPRISE AIRPORT FUNCTIONAL REMAINING LIFE ANALYSIS

						Years to End of
		Surface	Current	Years to Major	Major M&R	Functional Service
Branch ID	Section ID	Type	PCI	M&R	Trigger PCI ¹	Life
A01EN	01	AAC	31	0 - 5	45	0 - 5
A01EN	02	AC	52	0 - 5	45	0 - 5
A01EN	03	ST	55	0 - 5	45	0 - 5
A02EN	01	ST	53	0 - 5	45	0 - 5
A03EN	01	ST	0	0 - 5	45	0 - 5
AH12EN	01	ST	56	0 - 5	45	0 - 5
AH30EN	01	ST	57	0 - 5	45	0 - 5
R12EN	01	AC	50	0 - 5	55	0 - 5
T01EN	01	ST	36	0 - 5	50	0 - 5
T02EN	01	ST	20	0 - 5	50	0 - 5
T03EN	01	AC	46	0 - 5	50	0 - 5
T04EN	01	ST	49	0 - 5	50	0 - 5
T04EN	02	PCC	15	0 - 5	50	0 - 5

Abbreviations:

AC = Asphalt Concrete, AAC = AC overlaid AC, PCC = Portland Cement Concrete, ST = Surface Treatment, PCI = Pavement Condition Index



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



Α	Ρ	Ρ	E	Ν	ID	1)	<	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 Enterprise Municipal 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 global maintenance and rehabilitation 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.
- Flexible Overlay Considered for pavements between 40 PCI and the critical PCI, and for pavements exhibiting significant load-related distresses.
- Global Maintenance Treatments (fog seal, slurry seal, thin AC overlay) 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

The 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 cost 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 cost to PCI. We reviewed the unit costs from the 2017 report and updated them by reviewing the bid tabulations for recent projects within the vicinity of Enterprise Municipal Airport and information provided by the project team. The costs for reconstruction are based on the existing pavement sections present within each branch use at Enterprise Municipal Airport. The costs represent the fully-loaded costs and include aspects of the project such as administration, contingencies, mobilization, and stripping. The cost tables used in the analysis are presented in Table 2D below.



Table 2D: ENTERPRISE MUNICIPAL AIRPORT UNIT COST DATA

Type of M&R	Work Type	Unit Cost	Work Unit
Maior MARD	Complete Reconstruction with AC	\$13.32	Sq Ft
Major M&R	Cold Mill and Overlay – 2 Inches Thick	\$5.88	Sq Ft
Clobal Mar	Surface Treatment - Slurry Seal	\$0.40	Sq Ft
Global M&R	Surface Treatment - Fog Seal	\$0.24	Sq Ft
	Crack Sealing - AC	\$2.40	Ft
	Crack Sealing - PCC	\$18.00	Ft
Localized Preventive M&R	Crack Sealing – Wide Cracks	\$39.60	Ft
i ieveiluve iviQK	AC Patching – Full Depth	\$60.00	Sq Ft
	PCC Patching – Full Depth	\$120.00	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 GLOBAL MAINTENANCE AND REHABILITATION PROJECTS

Global maintenance and rehabilitation projects refer to activities such as slurry seal and thin AC overlays, as well as thick AC overlays and reconstruction. A list of recommended global M&R activities is provided in Table 4D of this appendix.

Table 3D - ENTERPRISE AIRPORT NETWORK MAINTENANCE REPORT

Network	Branch ID	Section ID	Distress	Severity	Action	Work Quantity	Unit	Unit Cost	Work Cost	Section Total
Enterprise	A01EN	01	Alligator Cracking	Low	Crack Sealing - AC	12	Ft	\$2.40	\$30	\$1,292
Enterprise	A01EN	01	Long. & Trans. Cracking	Medium	Crack Sealing - AC	526	Ft	\$2.40	\$1,262	\$1,292
Enterprise	A01EN	01	Alligator Cracking	Medium	Patching - AC Deep	30	SqFt	\$60.00	\$1,797	\$1,797
Enterprise	A01EN	02	Long. & Trans. Cracking	Medium	Crack Sealing - AC	342	Ft	\$2.40	\$821	\$2,424
Enterprise	A01EN	02	Alligator Cracking	Medium	Patching - AC Deep	27	SqFt	\$60.00	\$1,604	\$2,424
Enterprise	A01EN	03	Long. & Trans. Cracking	Medium	Crack Sealing - AC	454	Ft	\$2.40	\$1,090	\$2,493
Enterprise	A01EN	03	Alligator Cracking	Medium	Patching - AC Deep	24	SqFt	\$60.00	\$1,403	\$2,493
Enterprise	A02EN	01	Long. & Trans. Cracking	Medium	Crack Sealing - AC	270	Ft	\$2.40	\$648	\$100,494
Enterprise	A03EN	01	Alligator Cracking	High	Patching - AC Deep	1,664	SqFt	\$60.00	\$99,846	\$100,494
Enterprise	AH12EN	01	Long. & Trans. Cracking	Medium	Crack Sealing - AC	23	Ft	\$2.40	\$55	\$2,918
Enterprise	AH12EN	01	Alligator Cracking	Medium	Patching - AC Deep	47	SqFt	\$60.00	\$2,863	\$2,910
Enterprise	AH30EN	01	Long. & Trans. Cracking	Medium	Crack Sealing - AC	119	Ft	\$2.40	\$286	\$1,487
Enterprise	AH30EN	01	Block Cracking	Low	Crack Sealing - AC	501	Ft	\$2.40	\$1,202	\$1,407
Enterprise	R12EN	01	Long. & Trans. Cracking	Low	Crack Sealing - AC	4,747	Ft	\$2.40	\$11,392	¢21.002
Enterprise	R12EN	01	Long. & Trans. Cracking	Medium	Crack Sealing - AC	8,537	Ft	\$2.40	\$20,490	\$31,882
Enterprise	R12EN	01	Alligator Cracking	High	Patching - AC Deep	78	SqFt	\$60.00	\$4,623	¢c 202
Enterprise	T01EN	01	Alligator Cracking	Low	Crack Sealing - AC	733	Ft	\$2.40	\$1,759	\$6,382
Enterprise	T01EN	01	Block Cracking	Low	Crack Sealing - AC	6,825	Ft	\$2.40	\$16,380	\$16,380
Enterprise	T01EN	01	Long. & Trans. Cracking	Low	Crack Sealing - AC	40	Ft	\$2.40	\$96	\$96
Enterprise	T01EN	01	Alligator Cracking	High	Patching - AC Deep	96	SqFt	\$60.00	\$5,733	\$5,733
Enterprise	T01EN	01	Alligator Cracking	Medium	Patching - AC Deep	1,137	SqFt	\$60.00	\$68,198	\$68,198
Enterprise	T02EN	01	Long. & Trans. Cracking	Medium	Crack Sealing - AC	38	Ft	\$2.40	\$91	\$91
Enterprise	T02EN	01	Alligator Cracking	Medium	Patching - AC Deep	70	SqFt	\$60.00	\$4,167	\$4,167
Enterprise	T03EN	01	Long. & Trans. Cracking	Medium	Crack Sealing - AC	337	Ft	\$2.40	\$809	
Enterprise	T03EN	01	Alligator Cracking	Medium	Patching - AC Deep	178	SqFt	\$60.00	\$10,652	\$11,568
Enterprise	T04EN	01	Alligator Cracking	Low	Crack Sealing - AC	45	Ft	\$2.40	\$107	
Enterprise	T04EN	01	Long. & Trans. Cracking	Medium	Crack Sealing - AC	229	Ft	\$2.40	\$550	
Enterprise	T04EN	01	Long. & Trans. Cracking	Low	Crack Sealing - AC	188	Ft	\$2.40	\$450	\$9,478
Enterprise	T04EN	01	Alligator Cracking	Medium	Patching - AC Deep	141	SqFt	\$60.00	\$8,478	
Enterprise	T04EN	02	Shattered Slab	Low	Crack Sealing - PCC	31	Ft	\$18.00	\$558	\$558

Abbreviations:

Long. = Longitudinal; Trans. = Transverse; AC = Asphalt Concrete; PCC = Portland Cement 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	R12EN	01	RUNWAY	AC	50	Overlay	143,150	\$10.67	\$1,527,411
	A01EN	01	APRON	AAC	31	Reconstruction	6,500	\$13.32	\$86,583
2025	A02EN	01	APRON	ST	53	Reconstruction	2,970	\$13.32	\$39,562
	A03EN	01	APRON	ST	0	Reconstruction	2,105	\$13.32	\$28,040
·	A01EN	02	APRON	AC	52	Reconstruction	4,182	\$13.32	\$55,706
2026	T03EN	01	TAXIWAY	AC	46	Reconstruction	5,464	\$13.32	\$72,783
	T02EN	01	TAXIWAY	ST	20	Reconstruction	1,193	\$13.32	\$15,891
2027	T01EN	01	TAXIWAY	ST	36	Reconstruction	48,242	\$13.32	\$642,605
2027	AH30EN	01	APRON	ST	57	Reconstruction	2,465	\$13.32	\$32,834
	T04EN	02	TAXIWAY	PCC	15	Reconstruction	234	\$13.32	\$3,117
2028	T04EN	01	TAXIWAY	ST	49	Reconstruction	11,918	\$13.32	\$158,753
2020	A01EN	03	APRON	ST	55	Reconstruction	7,507	\$13.32	\$99,993
	AH12EN	01	APRON	ST	56	Reconstruction	2,475	\$13.32	\$32,967

Abbreviations:

PCI = Pavement Condition Index, AC = Asphalt Concrete, AAC = AC overlaid AC, ST = Surface Treatement; PCC = Portland Cement Concrete

Cost Summary	
2024 Total Project Cost	\$1,527,411
2025 Total Project Cost	\$154,184
2026 Total Project Cost	\$144,380
2027 Total Project Cost	\$675,438
2028 Total Project Cost	\$294,830
Total 5-Year Project Cost	\$2,796,243





APPENDIX E

Reinspection Report

Re-Inspection Report

ODA_WOC3_4-10-2023_PostWHEdits_4PM

Page 1 of 14

Generateu	Date		4/13/2023										Page 1 of 1
Network:	Enterprise				Name	Ente	rprise Munic	ipal					
Branch:	A01EN		Name	: Apron	01 Enter	prise	Use:	AP	RON	Area:	18,189	9 SqFt	
Section:	01	0:	f 3	From:	A01-02			,	To: End		Las	t Const.:	9/1/1989
Surface:	AAC	Family:	2022_Easte _AC/AAC	ern_Cat5_Apro /ST	n Zone:	: 8S4		•	Category: O		Ran	nk: P	
Area:	(5,500 SqFt	Leng	th:	130 Ft		Width:		50 Ft				
Slabs:		Slab Len	ıgth:	Ft	:	Slab Width:]	Ft	Joint Leng	gth:	Ft	
Shoulder:		Street Ty	ype:		(Grade: 0				Lanes:	0		
Section Cor	mments:												
Work Date:	: 9/1/1973	W	ork Type: E	Base Course - A	.ggregate		Co	ode:	BA-AG	Is Maj	jor M&R:	True	
Work Date:	: 9/2/1973	W	ork Type: N	New Construction	on - AC		Co	ode:	NC-AC	Is Maj	jor M&R:	True	
Work Date:	: 9/1/1989	W	ork Type: (Overlay - AC Tl	hin		Co	ode:	OL-AT	Is Maj	jor M&R:	True	
Work Date:	: 9/1/2012	W	ork Type: (Crack Sealing -	AC		Co	ode:	CS-AC	Is Maj	jor M&R:	False	
Work Doto	: 9/2/2012	W	ork Type: P	Patching - AC D	Оеер		Co	ode:	PA-AD	Is Maj	jor M&R:	False	
WOLK Date	. ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	• • • • • • • • • • • • • • • • • • • •											
	Date: 7/1/20		Tot	talSamples:	1		Surveye	d: 1					
	Date: 7/1/20)22	To	talSamples:	1		Surveye	d: 1					
Last Insp. I Conditions:	Date: 7/1/20)22	To	talSamples:	1		Surveye	d: 1					
Last Insp. I Conditions: Inspection (Date: 7/1/20 : PCI: 3 Comments:)22			1 Area:	6500	Surveye	d: 1	PCI: 31				
Last Insp. I Conditions: Inspection (Sample Nu	Date: 7/1/20 : PCI: 3 Comments: mber: 01	31	pe: R	F		6500		d: 1					
Last Insp. I Conditions: Inspection (Sample Nur Sample Cor	Date: 7/1/20 : PCI: 3 Comments: mber: 01	Typ	pe: R	F	Area:	6500		d: 1					
Last Insp. I Conditions: Inspection (Sample Nur Sample Cor	Date: 7/1/20 : PCI: 3 Comments: mber: 01 mments:	Typ Created by Ins	pe: R	A dule	Area:	6500		d: 1					
Last Insp. I Conditions: Inspection (Sample Nur Sample Cor 41 ALL 41 ALL	Date: 7/1/20 : PCI: 3 Comments: mber: 01 mments:	Typ Created by Ins	pe: R spection Sche	Adule 19.00	Area: SqFt SqFt	6500		d: 1					
Last Insp. I Conditions: Inspection (Sample Nur Sample Cor 41 ALL 41 ALL 44 ALL	Date: 7/1/20 : PCI: 3 Comments: mber: 01 mments: LIGATOR CR	Typ Created by Ins	pe: R spection Sche L M	Adule 19.00 12.00	Area: SqFt SqFt Ft	6500		d: 1					
Last Insp. I Conditions: Inspection (Sample Nur Sample Cor 41 ALL 41 ALL 48 L & 50 PAT	Date: 7/1/20 : PCI: 3 Comments: mber: 01 mments: LIGATOR CR LIGATOR CR T CR	Typ Created by Ins	pe: R spection Sche L M M	Adule 19.00 12.00 526.00	SqFt SqFt SqFt Ft SqFt	6500		d: 1					
Last Insp. I Conditions: Inspection (Sample Nur Sample Cor 41 ALL 41 ALL 48 L & 50 PAT 52 RAV	Date: 7/1/20 : PCI: 3 Comments: mber: 01 mments: LIGATOR CR LIGATOR CR T CR T CR	Typ Created by Ins	pe: R spection Sche L M M M	19.00 12.00 526.00 276.00	SqFt SqFt Ft SqFt SqFt SqFt	6500		d: 1					

Netw									_						
Bran	ch: A01EN		N	ame:	Apron (01 Enterpr	ise	Use:	AP	RON	A	rea:	18,1	89 SqFt	
Secti	on: 03		of 3	Fron	1: A	A01-02				To: T04	-01		L	ast Const.	: 9/3/1973
Surf	ace: ST	Family		Eastern_Cat5 AAC/ST	_Apron	Zone:	8S4			Category:	O		R	ank: P	
Area	:	7,507 SqFt	l	Length:		58 Ft		Width:		155 I	⁷ t				
Slab	::	Slab L	ength:		Ft	SI	ab Width:			Ft		Joint Le	ngth:		Ft
Shou	lder:	Street	Type:			G	rade: 0					Lanes:	0		
Secti	on Comments:														
Wor	k Date: 9/1/1973	,	Work Typ	pe: Base Cou	rse - Ag	ggregate		(Code:	BA-AG		Is M	ajor M&	R: True	
Wor	k Date: 9/2/1973	1	Work Typ	pe: New Con	struction	n - AC		(Code:	NC-AC		Is M	ajor M&	R: True	
Wor	k Date: 9/3/1973	,	Work Typ	pe: Surface C	ourse -	BST		(Code:	SU-SB		Is M	ajor M&	R: True	
Wor	k Date: 9/1/2008	,	Work Typ	pe: Crack Sea	aling - A	AC		(Code:	CS-AC		Is M	ajor M&	R: False	
Wor	k Date: 9/1/2008	7	Work Typ	pe: Crack Sea	iling - A	AC		(Code:	CS-AC		Is M	ajor M&	R: False	
	k Date: 9/1/2008 Insp. Date: 7/1/		Work Typ	pe: Crack Sea				Survey				Is M	ajor M&l	R: False	
Last Cond	Insp. Date: 7/1/	/2022	Work Typ									Is M	ajor M&l	R: False	
Last Cond	Insp. Date: 7/1/	/2022	Work Typ									Is M	ajor M&	R: False	
Last Cond	Insp. Date: 7/1/	/2022 55 ::	Work Typ		les: 2		346				46	Is M	ajor M&	R: False	
Last Cond Inspe	Insp. Date: 7/1/ litions: PCI:	/2022 55 ::	Sype:	TotalSamp	les: 2	2	346	Survey		2	46	Is M	ajor M&	R: False	
Last Cond Inspe Sam	Insp. Date: 7/1/ litions: PCI: ection Comments ole Number: 01	/2022 55 :: T Created by I	Sype:	TotalSamp R Schedule	les: 2	rea:	346	Survey		2	46	Is M	ajor M&	R: False	
Last Cond Inspe Samp Samp	Insp. Date: 7/1/ litions: PCI: ection Comments ole Number: 01 ole Comments:	/2022 55 :: T Created by I	Type:	TotalSamp R Schedule	A.00 87.00	rea: SqFt Ft	346	Survey		2	46	Is M	ajor M&	R: False	
Last Cond Inspe Samp Samp 41	Insp. Date: 7/1/ litions: PCI: ection Comments ole Number: 01 ole Comments: ALLIGATOR (/2022 55 :: T Created by I	Type: Inspection M M M M	R Schedule	A.00 87.00 20.00	rea: SqFt Ft Ft	346	Survey		2	46	Is M	ajor M&	R: False	
Last Cond Inspe Sam Sam 41 48 48 48	Insp. Date: 7/1/ litions: PCI: ection Comments ole Number: 01 ole Comments: ALLIGATOR O L & T CR L & T CR RAVELING	/2022 55 :: T Created by I	Type: Inspection M M M M H	R Schedule	4.00 87.00 20.00 11.00	rea: SqFt Ft Ft SqFt	346	Survey		2	46	Is M	ajor M&	R: False	
Last Cond Samp Samp 41 48 48 52 57	Insp. Date: 7/1/ litions: PCI: ection Comments ole Number: 01 ole Comments: ALLIGATOR (L & T CR L & T CR RAVELING WEATHERING	/2022 55 :: T Created by I	Type: Inspection M M M H L	R Schedule	4.00 87.00 20.00 11.00 74.00	rea: SqFt Ft Ft SqFt SqFt SqFt	346	Survey		2	46	Is M	ajor M&	R: False	
Conc Conc Samp Samp 41 48 48 48 52 57	Insp. Date: 7/1/ litions: PCI: ection Comments ole Number: 01 ole Comments: ALLIGATOR O L & T CR L & T CR RAVELING WEATHERING	/2022 55 :: T Created by I	Type: Inspection M M M H L M	R Schedule 1 27 3	4.00 87.00 20.00 11.00	rea: SqFt Ft Ft SqFt SqFt SqFt		Survey 7.00 SqFt		PCI:		Is M	ajor M&	R: False	
Cond Cond Samp Samp 41 48 48 48 52 57	Insp. Date: 7/1/ litions: PCI: ection Comments ole Number: 01 ole Comments: ALLIGATOR (L & T CR L & T CR RAVELING WEATHERING	/2022 55 :: T Created by I	Type: Inspection M M M H L M	R Schedule 1 1 27 3	4.00 87.00 20.00 11.00 74.00 46.00	rea: SqFt Ft Ft SqFt SqFt SqFt		Survey		2		Is M	ajor M&	R: False	
Last Cond Samp Samp 41 48 48 52 57 57 Samp	Insp. Date: 7/1/ litions: PCI: ection Comments ole Number: 01 ole Comments: ALLIGATOR O L & T CR L & T CR RAVELING WEATHERING	/2022 55 :: T Created by I	Type: Inspection M M M H L M	R Schedule 1 1 27 3	4.00 87.00 20.00 11.00 74.00 46.00	rea: SqFt Ft Ft SqFt SqFt SqFt		Survey 7.00 SqFt		PCI:		Is M	ajor M&	R: False	
Last Cond Sam Sam 41 48 48 52 57 57 Sam Sam	Insp. Date: 7/1/ litions: PCI: ection Comments ple Number: 01 ple Comments: ALLIGATOR (L & T CR L & T CR RAVELING WEATHERING WEATHERING ple Number: 02	/2022 55 : T Created by I CR G G T Created by I	Type: Inspection M M M H L M	R Schedule 1 1 27 3 R Schedule	4.00 87.00 20.00 11.00 74.00 46.00	rea: SqFt Ft Ft SqFt SqFt SqFt SqFt		Survey 7.00 SqFt		PCI:		Is M	ajor M&	R: False	
Last Cond Inspe Samp Samp 41 48 48 52 57 57 Samp Samp 41	Insp. Date: 7/1/ litions: PCI: ection Comments ole Number: 01 ole Comments: ALLIGATOR OLE TOR L&TOR RAVELING WEATHERING WEATHERING Ole Number: 02 ole Comments:	/2022 55 : T Created by I CR G G T Created by I	Type: Inspection M M M H L M Type:	R Schedule 1 1 27 3 R Schedule	4.00 87.00 20.00 11.00 74.00 46.00	rea: SqFt Ft Ft SqFt SqFt SqFt SqFt SqFt		Survey 7.00 SqFt		PCI:		Is M	ajor M&	R: False	
Last Cond Inspo Samp Samp 41 48 48 52 57 57 Samp	Insp. Date: 7/1/ litions: PCI: ection Comments ole Number: 01 ole Comments: ALLIGATOR (L & T CR L & T CR RAVELING WEATHERING WEATHERING ole Number: 02 ole Comments: ALLIGATOR (/2022 55 : T Created by I CR G G Created by I	Type: Inspection M M H L M Type: Inspection M	R Schedule 1 1 27 3 R Schedule	4.00 87.00 20.00 11.00 74.00 46.00 A	rea: SqFt Ft SqFt SqFt SqFt SqFt Fea:		Survey 7.00 SqFt		PCI:		Is M	ajor M&	R: False	

Network:	Enterprise				Name:	Ente	erprise Munic	cipal			_		
Branch:	A01EN		Namo	e: Apron	01 Enterpri	se	Use:	APR	RON	Area:	18	,189 SqFt	
Section: 0	12	o	f 3	From:	A 01-01			Т	To: A01-03			Last Const.:	9/2/1973
Surface: A	AC	Family:	2022_Eas _AC/AAC	tern_Cat5_Apror C/ST	Zone:	8S4		(Category: O			Rank: P	
Area:	4,1	182 SqFt	Len	gth:	60 Ft		Width:		70 Ft				
Slabs:		Slab Len	gth:	Ft	Sla	b Width:		F	řt	Joint Ler	igth:	F	⁷ t
Shoulder:		Street Ty	pe:		Gr	ade: 0				Lanes:	0		
Section Com	iments:												
Work Date:	9/1/1973	W	ork Type:	Base Course - Ag	ggregate		C	ode:	BA-AG	Is Ma	ajor Me	&R: True	
Work Date:	9/2/1973	W	ork Type:	New Constructio	n - AC		C	ode:	NC-AC	Is Ma	ajor Me	&R: True	
Work Date:	9/1/1985	W	ork Type:	Crack Sealing - A	AC		C	ode:	CS-AC	Is Ma	ajor Ma	&R: False	
Work Date:	9/1/2008	W	ork Type:	Crack Sealing - A	AC		C	ode:	CS-AC	Is Ma	ajor Ma	&R: False	
Work Date:	9/1/2012	W	ork Type:	Crack Sealing - A	AC		C	ode:	CS-AC	Is Ma	ajor Me	&R: False	
Last Insp. D	ate: 7/1/2022	2	To	otalSamples:	l		Surveyo	ed: 1					
Conditions:	PCI: 52												
Inspection C	Comments:												
Sample Nun	nber: 01	Тур	e: R	A	rea:	4182	2.00 SqFt		PCI: 52	2			
Sample Com	nments: C	reated by Ins	pection Sch	edule									
41 ALLI	GATOR CR		M	10.00	SqFt								
48 L & T	ΓCR		M	342.00	-								
57 WEA	THERING		L	2928.00	SqFt								
57 WEA	THERING		M	1254.00	SaFt								

Network:	Enterprise				Name:	Ente	rprise Munic	cipal			
Branch:	A02EN		Name:	Apron 0	2 Enterprise		Use:	APRO	N	Area:	2,970 SqFt
Section:	01	0	f 1	From: T	01-01			To:	EDGE		Last Const.: 9/1/20
Surface:	ST	Family:	2022_Easter _AC/AAC/S	n_Cat5_Apron T	Zone:	8S4		Cat	egory: O		Rank: S
Area:	2,9	970 SqFt	Length	ı:	65 Ft		Width:		45 Ft		
Slabs:		Slab Ler	igth:	Ft	Slab	Width:		Ft		Joint Length	h: Ft
Shoulder:		Street T	ype:		Grad	e: 0				Lanes: 0)
Section Cor	mments:										
Work Date	: 9/1/1979	W	ork Type: Ba	se Course - Ag	gregate		C	ode: BA	A-AG	Is Major	r M&R: True
Work Date	: 9/2/1979	W	ork Type: Su	rface Course - 1	Double Bitun	n.	C	ode: SU	I-DB	Is Major	r M&R: True
Work Date	: 9/1/2000	W	ork Type: Su	rface Course - 1	BST		C	ode: SU	I-SB	Is Major	r M&R: True
Last Insp. I	Date: 7/1/2022	2	Tota	Samples: 1			Surveyo	ed: 1			
Conditions	: PCI : 53										
Inspection (Comments:										
Sample Nu	mber: 01	Tyl	oe: R	Aı	ea:	2970	.00 SqFt		PCI: 53	3	
Sample Cor	mments: C	reated by Ins	pection Sched	ule							

Sam	ple Number: 01	Type:	R	Area:	2970.00 SqFt	PCI: 53
Sam	ple Comments:	Created by Inspection	Schedule			
48	L & T CR	M	6	5.00 Ft		
48	L & T CR	M	1	0.00 Ft		
48	L & T CR	M	6	5.00 Ft		
48	L & T CR	M	6	5.00 Ft		
48	L & T CR	M	6	5.00 Ft		
57	WEATHERING	M	267	3.00 SqFt		
57	WEATHERING	Н	29	7.00 SqFt		

Network: Enterprise Municipal Enterprise Name: Branch: A03EN Apron 03 Enterprise Use: APRON 2,105 SqFt Name: Area: To: End Section: 01 of 1 T01-01, T03-01 **Last Const.:** 9/2/1979 From: Surface: ST Family: 2022_Eastern_Cat5_Apron Zone: 8S4 Category: O Rank: S _AC/AAC/ST Width: 2,105 SqFt Length: 48 Ft 45 Ft Area: Slabs: Slab Length: Ft Slab Width: Ft Joint Length: Ft Shoulder: **Street Type:** 0 Lanes: Grade: **Section Comments:** Work Date: 9/1/1979 Work Type: Base Course - Aggregate Code: BA-AG Is Major M&R: True Work Date: 9/2/1979 Work Type: Surface Course - Double Bitum. Code: SU-DB Is Major M&R: True **Last Insp. Date:** 7/1/2022 TotalSamples: 1 Surveyed: 1 **Conditions:** PCI: **Inspection Comments:** PCI: 0 Sample Number: 01 R Type: Area: 2105.00 SqFt

Sample Comments: Created by Inspection Schedule

41 ALLIGATOR CR Η 1504.00 SqFt 57 WEATHERING L 2105.00 SqFt

Network:	Enterprise			N	ame: Ent	erprise Municip	oal		
Branch:	AH12EN		Name:	Hold Apron Enterprise	RW 12 End	Use:	APRON	Area:	2,475 SqFt
Section: (01	of	f 1	From: R12 l	End		To: Edge		Last Const.: 9/1/1973
Surface:	ST	Family:	2022_Eastern _AC/AAC/ST	_Cat5_Apron Z	one: 8S4		Category: O		Rank: P
Area:	2,4	75 SqFt	Length:	55	Ft	Width:	45 Ft		
Slabs:		Slab Len	gth:	Ft	Slab Width:		Ft	Joint Length	: Ft
Shoulder:		Street Ty	vpe:		Grade: 0			Lanes: 0	
Section Con	nments:								
Work Date:	: 9/1/1970	W	ork Type: Base	e Course - Aggreg	gate	Coc	le: BA-AG	Is Major	M&R: True
Work Date:	: 9/2/1970	W	ork Type: Nev	v Construction - A	.C	Coc	le: NC-AC	Is Major	M&R: True
Work Date:	: 9/1/1973	W	ork Type: Surf	face Course - BST		Coc	le: SU-SB	Is Major	M&R: True
Work Date:	: 9/1/2008	W	ork Type: Crac	ck Sealing - AC		Coc	le: CS-AC	Is Major	M&R: False
Work Date:	: 9/1/2012	W	ork Type: Cra	ck Sealing - AC		Coc	le: CS-AC	Is Major	M&R: False
Last Insp. I	Date: 7/1/2022		Totals	Samples: 1		Surveyed	: 1		
Conditions:	PCI: 56								
Inspection (Comments:								
Sample Nur	mber: 01	Тур	e: R	Area:	247	5.00 SqFt	PCI: 5	6	
Sample Cor	mments: Cr	eated by Ins	pection Schedu	le					
41 ALL	IGATOR CR		M	24.00 SqF	t				
48 L &	T CR		M	23.00 Ft					
50 PAT	CHING		L	40.00 SqF	t				
57 WE	ATHERING		M	2475.00 SqF					

Network:	Enterprise				Name:	Ente	erprise Munic	ipal				
Branch:	AH30EN		Name:	Hold Ap Enterpris		30 End	Use:	APRON	1	Area:	2,465 SqFt	
Section:	01	o	f 1	From: R.	30 END			To:	EDGE		Last Const.:	9/1/1973
Surface:	ST	Family:	2022_Eastern_ _AC/AAC/ST	_Cat5_Apron	Zone:	8S4		Cate	egory: O		Rank: P	
Area:	2	2,465 SqFt	Length:		130 Ft		Width:		20 Ft			
Slabs:		Slab Lei	ngth:	Ft	Sl	ab Width:		Ft		Joint Length:	Ft	
Shoulder:		Street T	ype:		G	rade: 0				Lanes: 0		
Section Cor	mments:											
Work Date	: 9/1/1970	W	ork Type: Base	Course - Agg	gregate		C	ode: BA	-AG	Is Major	M&R: True	
Work Date	: 9/2/1970	W	ork Type: New	Construction	- AC		C	ode: NC	-AC	Is Major	M&R: True	
Work Date	: 9/1/1973	W	ork Type: Surf	ace Course - E	BST		C	ode: SU-	-SB	Is Major	M&R: True	
Work Date	: 9/1/2012	W	ork Type: Crac	k Sealing - A	C		C	ode: CS-	-AC	Is Major	M&R: False	
Last Insp. I	Date: 7/1/20	22	Totals	Samples: 1			Surveye	d: 1				
Conditions	: PCI: 5	57										
Inspection (Comments:											
Sample Nu	mber: 01	Ty	pe: R	Ar	ea:	2465	5.00 SqFt		PCI: 57	7		
Sample Co	mments:	Created by Ins	spection Schedul	e								
43 BLC	OCK CR		L	1643.00 S	SqFt							
48 L &	T CR		M	119.00 F	-							
50 PAT	TCHING		L	2.00 S	SqFt							
57 WE	ATHERING		L	2465.00 S								

Networ														
Networ	rk: Enterprise				Nan	ne: Ent	erprise Mu	nicipal						
Branch	n: R12EN		Name	e: Rui	nway 12/30) Enterprise	Use	: RU	NWAY	Are	ea:	143,150	SqFt	
Section	n: 01	of 1		From:	R30 En	ıd			To: R12	End		Last	Const	.: 9/1/199 ⁻
Surface	e: AC			tern Cat5 R'	W Zon	e: 8S4			Category:				k: P	
Surrace		AC	C/AAC		_							Kan	к. г	
Area:	143,	150 SqFt	Leng	gth:	2,863 I	?t	Width:		50 Ft					
Slabs:		Slab Length:	:		Ft	Slab Width:			Ft		Joint Length	ı :		Ft
Should	ler:	Street Type:				Grade: 0					Lanes: 0			
Section	Comments:													
Work l	Date: 9/1/1970	Work '	Type: 1	Base Course	- Aggregat	te		Code:	BA-AG		Is Major	· M&R:	True	
Work l	Date: 9/2/1970	Work '	Type: 1	New Constru	ction - AC	!		Code:	NC-AC		Is Major	· M&R:	True	
Work l	Date: 9/1/1973	Work	Type: S	Surface Cour	se - BST			Code:	SU-SB		Is Major	· M&R:	True	
Work 1	Date: 9/1/1997	Work	Type: (Overlay - AC	Thin			Code:	OL-AT		Is Major	· M&R:	True	
Work 1	Date: 9/1/2008	Work '	Type: (Crack Seal -	Wide Crac	ks		Code:	CS-WD		Is Major	· M&R:	False	
Work l	Date: 9/2/2008	Work '	Type: S	Surface Treat	tment - Slu	rry Seal		Code:	ST-SS		Is Major	M&R:	False	
Work l	Date: 9/1/2012	Work	Type: (Crack Seal -	Wide Crac	ks		Code:	CS-WD		Is Major	M&R:	False	
Work I	Date: 9/2/2012	Work '	Type: 1	Patching - A	C Deep			Code:	PA-AD		Is Major	M&R:	False	
Last In	sp. Date: 7/1/202	2	To	talSamples:	29		Surve	yed: 5	;					
Condit	ions: PCI: 50)												
Inspect	tion Comments:													
Sample	e Number: 01	Type:	R		Area:	500	0.00 SqFt		PCI:	43				
_		Created by Inspecti		edule			1		- /					
•		sreated by inspect	ion ben	caare										
	L & T CR		L		00 Ft									
	L & T CR		L		00 Ft									
	L & T CR		M		00 Ft									
	L & T CR		M		00 Ft									
	PATCHING		L		00 SqFt									
	PATCHING		L		00 SqFt									
	PATCHING		L		00 SqFt									
	PATCHING		L		00 SqFt									
	WEATHERING		L		00 SqFt									
	WEATHERING		M	500.	00 SqFt									
_	e Number: 07	Type:	R : C-1-	- 41.	Area:	500	0.00 SqFt		PCI:	44				
sample	e Comments:	Created by Inspecti	ion Sch	edule										
	ALLIGATOR CR		Н		00 SqFt									
48			L	110	00 Ft									
	L & T CR		L											
48	L & T CR		M	375.	00 Ft									
48 50	L & T CR PATCHING		M L	375. 300.	00 Ft 00 SqFt									
48 50 57	L & T CR PATCHING WEATHERING		M L L	375. 300. 3750.	00 Ft 00 SqFt 00 SqFt									
48 50 57	L & T CR PATCHING		M L L M	375. 300. 3750.	00 Ft 00 SqFt									
48 50 57 57	L & T CR PATCHING WEATHERING		M L L	375. 300. 3750.	00 Ft 00 SqFt 00 SqFt	500	0.00 SqFt		PCI:	60				
48 50 57 57 Sample Sample	L & T CR PATCHING WEATHERING WEATHERING e Number: 14 e Comments: 0	Type:	M L L M R	375. 300. 3750. 1250.	00 Ft 00 SqFt 00 SqFt 00 SqFt Area:	500	0.00 SqFt		PCI:	60				
48 50 57 57 Sample Sample	L & T CR PATCHING WEATHERING WEATHERING PATCHING WEATHERING WEATHERING COMMENTS: COMME	Type: Created by Inspecti	M L L M R ion Scho	375.4 300.4 3750.4 1250.4 edule	00 Ft 00 SqFt 00 SqFt 00 SqFt Area:	500	0.00 SqFt		PCI:	60				
48 50 57 57 Sample Sample 48	L & T CR PATCHING WEATHERING WEATHERING e Number: 14 e Comments: C L & T CR L & T CR	Type: Created by Inspecti	M L L M R ion Scho	375.4 300.4 3750.4 1250.4 edule 68.4 320.4	00 Ft 00 SqFt 00 SqFt 00 SqFt Area: 00 Ft 00 Ft	500	0.00 SqFt		PCI:	60				
48 50 57 57 Sample Sample 48 48	L & T CR PATCHING WEATHERING WEATHERING e Number: 14 e Comments: C L & T CR L & T CR L & T CR	Type: Created by Inspecti	M L L M R ion Scho	375.4 300.4 3750.4 1250.4 edule 68.4 320.4 70.4	00 Ft 00 SqFt 00 SqFt 00 SqFt 00 SqFt Area: 00 Ft 00 Ft 00 Ft	500	0.00 SqFt		PCI:	60				
48 50 57 57 Sample Sample 48 48 48	L & T CR PATCHING WEATHERING WEATHERING PAUMBER: 14 COMMENTS: COM	Type: Created by Inspecti	M L L M R ion Scho	375.4 300.4 3750.4 1250.4 edule 68.4 320.4 70.4 120.4	00 Ft 00 SqFt 00 SqFt 00 SqFt Area: 00 Ft 00 Ft 00 Ft 00 SqFt	500	0.00 SqFt		PCI:	60				
48 50 57 57 Sample Sample 48 48 48 50 57	L & T CR PATCHING WEATHERING WEATHERING e Number: 14 e Comments: C L & T CR L & T CR L & T CR L & T CR WEATHERING WEATHERING	Type: Created by Inspecti	M L L M R ion School L L L M L L L	375.4 300.4 3750.4 1250.4 edule 68.4 320.4 70.4 120.4 2500.4	00 Ft 00 SqFt 00 SqFt 00 SqFt 00 SqFt Area: 00 Ft 00 Ft 00 Ft 00 SqFt 00 SqFt 00 SqFt	500	0.00 SqFt		PCI:	60				
48 50 57 57 Sample 48 48 48 50 57	L & T CR PATCHING WEATHERING WEATHERING e Number: 14 e Comments: C L & T CR WEATHERING WEATHERING WEATHERING	Type: Created by Inspecti	M L L M R I L L M L L M M L L L M M L L L M M M	375.4 300.4 3750.4 1250.4 edule 68.4 320.4 70.4 120.4 2500.4	00 Ft 00 SqFt 00 SqFt 00 SqFt Area: 00 Ft 00 Ft 00 SqFt 00 SqFt 00 SqFt 00 SqFt									
48 50 57 57 Sample 48 48 50 57 57	L & T CR PATCHING WEATHERING WEATHERING e Number: 14 e Comments: C L & T CR L & T CR L & T CR L & T CR PATCHING WEATHERING WEATHERING e Number: 21	Type: Created by Inspecti	M L L M L L M R	375.4 300.4 3750.4 1250.4 edule 68.4 320.4 70.4 120.4 2500.4 2500.4	00 Ft 00 SqFt 00 SqFt 00 SqFt 00 SqFt Area: 00 Ft 00 Ft 00 Ft 00 SqFt 00 SqFt 00 SqFt		0.00 SqFt 0.00 SqFt		PCI:					
48 50 57 57 Sample 48 48 48 50 57 57 Sample Sample	L & T CR PATCHING WEATHERING WEATHERING e Number: 14 e Comments: C L & T CR L & T CR L & T CR L & T CR PATCHING WEATHERING WEATHERING WEATHERING e Number: 21 e Comments: C	Type: Created by Inspecti Type: Created by Inspecti	M L L M L L M R	375.4 300.4 3750.4 1250.4 edule 68.4 320.4 70.4 2500.4 2500.4	00 Ft 00 SqFt 00 SqFt 00 SqFt Area: 00 Ft 00 Ft 00 SqFt 00 SqFt 00 SqFt 00 SqFt									
48 50 57 57 Sample Sample 48 48 48 50 57 57 Sample Sample	L & T CR PATCHING WEATHERING WEATHERING e Number: 14 e Comments: C L & T CR L & T CR L & T CR L & T CR PATCHING WEATHERING WEATHERING e Number: 21	Type: Created by Inspecti Type: Created by Inspecti	M L L M R ion Scho	375.4 300.4 3750.4 1250.4 edule 68. 320. 70. 120.4 2500.4 2500.4	00 Ft 00 SqFt 00 SqFt 00 SqFt Area: 00 Ft 00 Ft 00 Ft 00 SqFt 00 SqFt 00 SqFt Area:									

70	Larck	1V1	33.00	1 t			
50	PATCHING	L	64.00	SqFt			
57	WEATHERING	L	2500.00	SqFt			
57	WEATHERING	M	2500.00	SqFt			
Sam	ple Number: 28	Type: R	A	Area:	5000.00 SqFt	PCI: 51	
Sam	ple Comments:	Created by Inspection Schedule					
48	L & T CR	M	98.00	Ft			
48	L & T CR	M	120.00	Ft			
50	PATCHING	L	300.00	SqFt			
50	PATCHING	L	255.00	SqFt			
50	PATCHING	L	45.00	SqFt			
50	PATCHING	L	14.00	SqFt			
52	RAVELING	Н	120.00	SqFt			
57	WEATHERING	L	2380.00	SqFt			
57	WEATHERING	M	2500.00	SqFt			

L & T CR

M

55.00 Ft

Network: Enterprise		Name:	Enterprise Municip	al	
Branch: T01EN	Name:	Taxiway 01 Enterpr	ise Use:	TAXIWAY Ar	ea: 48,242 SqFt
Section: 01	of 1	From: R30 End		To: T03-01	Last Const.: 9/1/2000
Surface: ST	Family: 2022_Eastern ay_AC/AAC	_Cat5_Taxiw Zone:	8S4	Category: O	Rank: P
Area: 48,24	42 SqFt Length	2,433 Ft	Width:	20 Ft	
Slabs:	Slab Length:	Ft Slab	Width:	Ft	Joint Length: Ft
Shoulder:	Street Type:	Grad	le: 0		Lanes: 0
Section Comments:	V 1				
Work Date: 9/1/1979	Work Type: Bas	e Course - Aggregate	Cod	e: BA-AG	Is Major M&R: True
Work Date: 9/2/1979	Work Type: Sur	face Course - Double Bitur	m. Cod	e: SU-DB	Is Major M&R: True
Work Date: 9/1/2000	Work Type: Sur	face Course - BST	Cod	le: SU-SB	Is Major M&R: True
Work Date: 9/1/2008	Work Type: Cra	ck Sealing - AC	Cod	le: CS-AC	Is Major M&R: False
Work Date: 9/2/2008	Work Type: Sur	face Treatment - Slurry Se	al Cod	e: ST-SS	Is Major M&R: False
Work Date: 9/1/2012	Work Type: Cra	ck Sealing - AC	Cod	e: CS-AC	Is Major M&R: False
Last Insp. Date: 7/1/2022	Total	Samples: 8	Surveyed:	4	
Conditions: PCI: 36					
Inspection Comments:					
Sample Number: 01	Type: R	Area:	6000.00 SqFt	PCI: 12	
_	eated by Inspection Schedu		0000000 Eq. (1011 12	
41 ALLIGATOR CR	M	200.00 SqFt			
41 ALLIGATOR CR	M	300.00 SqFt			
ALLIGATOR CR	Н	30.00 SqFt			
BLEEDING	N	3000.00 SqFt			
BLOCK CR	L	840.00 SqFt			
18 L & T CR	L	20.00 Ft			
50 PATCHING	L	60.00 SqFt			
57 WEATHERING	L	3000.00 SqFt			
Sample Number: 04	Type: R	Area:	6000.00 SqFt	PCI: 39	
Sample Comments: Cr	eated by Inspection Schedu	ie			
1 ALLIGATOR CR	L	200.00 SqFt			
BLEEDING	N	400.00 SqFt			
3 BLOCK CR	L	4000.00 SqFt			
7 WEATHERING	L	6000.00 SqFt			
Sample Number: 05	Type: R	Area:	6000.00 SqFt	PCI: 59	
Sample Comments: Cr	eated by Inspection Schedu	le			
BLOCK CR	L	6000.00 SqFt			
57 WEATHERING	L	6000.00 SqFt	6000 00 G B:	DCI 22	
Sample Number: 07 Sample Comments: Cr	Type: R eated by Inspection Schedu	Area: le	6000.00 SqFt	PCI: 33	
_					
41 ALLIGATOR CR	L	900.00 SqFt			
42 BLEEDING	N	150.00 SqFt			
BLOCK CR	L	300.00 SqFt			
WEATHERING	L	3000.00 SqFt			
57 WEATHERING	M	3000.00 SqFt			

Network:	Enterprise				Name	: En	terprise Mun	icipal				
Branch:	T02EN		Name:	Taxiway	02 Ent	erprise	Use:	TA	XIWAY	Area:	1,193 SqFt	
Section:	01	0	f 1	From: R	12			ŗ	Го: Т01		Last Const.: 9/1	/2000
Surface:	ST	Family:	2022_Easter ay_AC/AAC	n_Cat5_Taxiw	Zone:	8S4		•	Category: O		Rank: P	
Area:	1	,193 SqFt	Length	ı:	50 Ft		Width:		20 Ft			
Slabs:		Slab Ler	igth:	Ft	5	lab Width	:]	Ft	Joint Length:	Ft	
Shoulder:		Street T	ype:		(Grade:)			Lanes: 0		
Section Con	mments:											
Work Date:	: 9/1/1979	W	ork Type: Ba	se Course - Ag	gregate			Code:	BA-AG	Is Major	M&R: True	
Work Date:	: 9/2/1979	W	ork Type: Su	rface Course - I	Double l	Bitum.		Code:	SU-DB	Is Major	M&R: True	
Work Date:	: 9/1/2000	W	ork Type: Su	rface Course - I	BST			Code:	SU-SB	Is Major	M&R: True	
Last Insp. I	Date: 7/1/20	22	Tota	Samples: 1			Surve	y ed: 1				
Conditions:	: PCI: 2	0										
Inspection (Comments:											
Sample Nur	mber: 01	Tyl	pe: R	Ar	ea:	119	93.00 SqFt		PCI: 20)		
Sample Cor	mmonte:	Created by Inc	pection Sched	ıla								

Samp	le Number: 01	Type: R	A	rea:	1193.00 SqFt	PCI: 20
Samp	le Comments: Crea	ated by Inspection Schedule				
41	ALLIGATOR CR	M	40.00	SqFt		
42	BLEEDING	N	596.00	SqFt		
48	L & T CR	M	38.00	Ft		
50	PATCHING	L	156.00	SqFt		
52	RAVELING	Н	12.00	SqFt		
57	WEATHERING	L	1181.00	SqFt		

Network: Enterp	orise			Name:	Enterprise Muni	cipal			
Branch: T03E	N	Name:	Taxiway	03 Enterprise	Use:	TAXIWAY	Area:	5,464 Sc	ıFt
Section: 01	(of 1	From: R	12		To: A01		Last Co	onst.: 9/2/1973
Surface: AC	Family:	2022_Easterr ay_AC/AAC	_Cat5_Taxiw	Zone: 8S	4	Category: O	•	Rank:	P
Area:	5,464 SqFt	Length	:	98 Ft	Width:	53 Ft			
Slabs:	Slab Le	ngth:	Ft	Slab Wid	lth:	Ft	Joint Len	gth:	Ft
Shoulder:	Street T	ype:		Grade:	0		Lanes:	0	
Section Comments:									
Work Date: 9/1/197	73 W	ork Type: Bas	se Course - Agg	gregate	(Code: BA-AG	Is Ma	ajor M&R: Tr	rue
Work Date: 9/2/197	73 W	ork Type: New	w Construction	- AC	(Code: NC-AC	Is Ma	ajor M&R: Tr	rue
Work Date: 9/1/198	35 W	ork Type: Cra	ck Sealing - A		(Code: CS-AC	Is Ma	njor M&R: Fa	llse
Work Date: 9/1/200	08 W	ork Type: Cra	ck Sealing - A		(Code: CS-AC	Is Ma	ajor M&R: Fa	llse
Work Date: 9/1/201	2 W	ork Type: Cra	ck Sealing - A		(Code: CS-AC	Is Ma	ajor M&R: Fa	llse
Last Insp. Date: 7/	1/2022	Total	Samples: 1		Survey	ed: 1			
Conditions: PCI:	46								
Inspection Commen	ts:								
Sample Number: ()1 Ty	pe: R	Ar	ea:	5464.00 SqFt	PCI:	46		
Sample Comments:	_	spection Schedu	ıle		-				
41 ALLIGATOR	R CR	M	128.00 S	lgFt					
48 L & T CR		M	337.00 F	-					
57 WEATHERI	NG	L	3278.00 S	qFt					
57 WEATHERD	NG	M	2185.00 S	laEt					

Network: Enterprise				terprise Municip			
Branch: T04EN	Na	me: Taxiway (04 Enterprise	Use:	TAXIWAY	Area:	12,152 SqFt
Section: 01	of 2	From: R12	2 End		To: A01-0)3	Last Const.: 9/2/197
Surface: ST	Family: 2022_E ay_AC/	astern_Cat5_Taxiw AAC	Zone: 8S4		Category:	0	Rank: P
Area: 11,	,918 SqFt Lo	ength: 3	70 Ft	Width:	35 Ft		
Slabs:	Slab Length:	Ft	Slab Width:	:	Ft	Joint	Length: Ft
Shoulder:	Street Type:		Grade: ()		Lanes	s: 0
Section Comments:							
Work Date: 9/1/1973	Work Type	: Base Course - Aggr	regate	Cod	le: BA-AG	Is	Major M&R: True
Work Date: 9/2/1973	Work Type	: Surface Course - Do	ouble Bitum.	Cod	le: SU-DB	Is	Major M&R: True
Work Date: 9/1/2008	Work Type	: Crack Sealing - AC	;	Cod	le: CS-AC	Is	Major M&R: False
Work Date: 9/1/2012	Work Type	: Crack Sealing - AC	;	Cod	le: CS-AC	Is	Major M&R: False
Work Date: 9/1/2012 Last Insp. Date: 7/1/202		e: Crack Sealing - AC TotalSamples: 3	,	Cod Surveyed:		Is	s Major M&R: False
Work Date: 9/1/2012 Last Insp. Date: 7/1/202 Conditions: PCI: 49	22		;			Is	s Major M&R: False
Last Insp. Date: 7/1/202 Conditions: PCI: 49	22					Is	s Major M&R: False
Last Insp. Date: 7/1/202 Conditions: PCI: 49 Inspection Comments:	22 9						s Major M&R: False
Last Insp. Date: 7/1/202 Conditions: PCI: 49 Inspection Comments: Sample Number: 01	22 9	TotalSamples: 3		Surveyed:	: 2		s Major M&R: False
Last Insp. Date: 7/1/202 Conditions: PCI: 49 Inspection Comments: Sample Number: 01 Sample Comments: 0	22 9 Type:	TotalSamples: 3 R Area chedule	a: 439	Surveyed:	: 2		s Major M&R: False
Last Insp. Date: 7/1/202 Conditions: PCI: 49 Inspection Comments: Sample Number: 01 Sample Comments: C	Type: Created by Inspection S	TotalSamples: 3	a: 439	Surveyed:	: 2		s Major M&R: False
Last Insp. Date: 7/1/202 Conditions: PCI: 49 Inspection Comments: Sample Number: 01 Sample Comments: 0 41 ALLIGATOR CR 48 L&TCR	Type: Created by Inspection S	TotalSamples: 3 R Areschedule 66.00 Sc	a: 439	Surveyed:	: 2		s Major M&R: False
Last Insp. Date: 7/1/202 Conditions: PCI: 49 Inspection Comments: Sample Number: 01 Sample Comments: 0 41 ALLIGATOR CR 48 L&TCR 48 L&TCR	Type: Created by Inspection S M L	TotalSamples: 3 R Areschedule 66.00 Sc 96.00 Ft	a: 439	Surveyed:	: 2		s Major M&R: False
Last Insp. Date: 7/1/202 Conditions: PCI: 49 Inspection Comments: Sample Number: 01 Sample Comments: 0 41 ALLIGATOR CR 48 L & T CR 48 L & T CR 52 RAVELING	Type: Created by Inspection S M L M	TotalSamples: 3 R	a: 439 qFt : : : qFt	Surveyed:	: 2		s Major M&R: False
Last Insp. Date: 7/1/202 Conditions: PCI: 49 Inspection Comments: Sample Number: 01 Sample Comments: 0 41 ALLIGATOR CR 48 L & T CR 48 L & T CR 52 RAVELING 57 WEATHERING	Type: Created by Inspection S M L M H L	R Areschedule 66.00 Sc 96.00 Ft 82.00 Ft 70.00 Sc	a: 439 qFt : : : qFt qFt	Surveyed:	: 2	47	s Major M&R: False
Last Insp. Date: 7/1/202 Conditions: PCI: 49 Inspection Comments: Sample Number: 01 Sample Comments: 0 41 ALLIGATOR CR 48 L & T CR 48 L & T CR 52 RAVELING 57 WEATHERING Sample Number: 02	Type: Created by Inspection S M L M H L	TotalSamples: 3 R Area chedule 66.00 Sc 96.00 Ft 82.00 Ft 70.00 Sc 4327.00 Sc R R Area Area Area chedule	a: 439 qFt : : : qFt qFt	Surveyed:	PCI:	47	s Major M&R: False
Last Insp. Date: 7/1/202 Conditions: PCI: 49 Inspection Comments: Sample Number: 01 Sample Comments: 0 41 ALLIGATOR CR 48 L & T CR 48 L & T CR 52 RAVELING 57 WEATHERING Sample Number: 02 Sample Comments: 0	Type: Created by Inspection S M L M H L Type:	TotalSamples: 3 R Area chedule 66.00 Sc 96.00 Ft 82.00 Ft 70.00 Sc 4327.00 Sc R R Area Area Area chedule	a: 439 qFt qFt qFt qFt qrt	Surveyed:	PCI:	47	s Major M&R: False
Last Insp. Date: 7/1/202 Conditions: PCI: 49 Inspection Comments: Sample Number: 01 Sample Comments: 0 41 ALLIGATOR CR 48 L & T CR 48 L & T CR 52 RAVELING 57 WEATHERING Sample Number: 02 Sample Comments: 0 41 ALLIGATOR CR	Type: Created by Inspection S M L M H L Type:	R Areschedule 66.00 Sc 96.00 Ft 82.00 Ft 70.00 Sc 4327.00 Sc R Areschedule	a: 439 qFt qFt qFt qFt qFt	Surveyed:	PCI:	47	s Major M&R: False
Last Insp. Date: 7/1/202 Conditions: PCI: 49 Inspection Comments: Sample Number: 01 Sample Comments: 0 41 ALLIGATOR CR 48 L & T CR 48 L & T CR 52 RAVELING 57 WEATHERING Sample Number: 02 Sample Comments: 0 41 ALLIGATOR CR 44 ALLIGATOR CR 45 CM 46 CM 47 CM 48 L & T CR	Type: Created by Inspection S M L M H L Type: Created by Inspection S	TotalSamples: 3 R	a: 439 qFt qFt qFt qFt a: 366	Surveyed:	PCI:	47	s Major M&R: False
Last Insp. Date: 7/1/202 Conditions: PCI: 49 Inspection Comments: Sample Number: 01 Sample Comments: 0 41 ALLIGATOR CR 48 L & T CR 48 L & T CR 52 RAVELING 57 WEATHERING Sample Number: 02 Sample Comments: 0 41 ALLIGATOR CR 44 ALLIGATOR CR 45 L & T CR 46 L & T CR	Type: Created by Inspection S M L M H L Type: Created by Inspection S	TotalSamples: 3 R	a: 439 qFt qFt qFt a: 366	Surveyed:	PCI:	47	s Major M&R: False
Last Insp. Date: 7/1/202 Conditions: PCI: 49 Inspection Comments: Sample Number: 01 Sample Comments: 0 41 ALLIGATOR CR 48 L & T CR 48 L & T CR 52 RAVELING 57 WEATHERING Sample Number: 02 Sample Comments: 0 41 ALLIGATOR CR 44 ALLIGATOR CR 45 CM 46 CM 47 CR	Type: Created by Inspection S M L M H L Type: Created by Inspection S	TotalSamples: 3 R	a: 439 qFt qFt qFt a: 360	Surveyed:	PCI:	47	s Major M&R: False

Network: Enterprise Municipal Enterprise Name: **Branch:** T04EN Taxiway 04 Enterprise Use: TAXIWAY 12,152 SqFt Name: Area: Section: 02 of 2 From: T04-01 **Last Const.:** 1/1/1901 To: -Surface: PCC Family: 2022_Eastern_Cat5_AllUs Zone: 8S4 Category: O Rank: P es PCC Width: 234 SqFt Length: 18 Ft 13 Ft Area: 18 Ft Slabs: Slab Length: Slab Width: 13 Ft Joint Length: Ft Shoulder: **Street Type:** Grade: 0 Lanes: **Section Comments:** Work Type: New Construction - Initial Code: NU-IN Work Date: 1/1/1901 Is Major M&R: True **Last Insp. Date:** 7/1/2022 TotalSamples: 1 Surveyed: 1 **Conditions:** PCI: **Inspection Comments:** Sample Number: 01 Type: R Area: 1.00 Slabs **PCI**: 15 **Sample Comments:** Created by Inspection Schedule

72 SHAT. SLAB L 1.00 Slabs JOINT SPALL 74 M 1.00 Slabs 75 CORNER SPALL L 1.00 Slabs



APPENDIX F

Work History Report

Page 1 of 4

Pavement Database: ODA_WOC3_4-10-2023_PostWHEdits_4PM

Network:	Enterprise	Municipal Branch: A01EN	Apron	01 Enterpris	Section:	01 Surface:AAC
L.C.D. 9/1/19	989 Us	se: APRON Rank: P L	ength: 130	.00 (Ft) Wid	1th: 50.0	0 (Ft) True Area: 6500.000082 (SqFt
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/2/2012	PA-AD	Patching - AC Deep	0.00	0.00		PMP 2012
9/1/2012	CS-AC	Crack Sealing - AC	0.00	0.00		PMP 2012
9/1/1989	OL-AT	Overlay - AC Thin	0.00	0.00	~	date estimated from model
9/2/1973	NC-AC	New Construction - AC	0.00	2.00		
9/1/1973	BA-AG	Base Course - Aggregate	0.00	6.00	~	
Network:	Enterprise	Municipal Branch: A01EN	Apron	01 Enterpris	Section:	02 Surface:AC
L.C.D. 9/2/1	973 Us	e: APRON Rank: P L	ength: 60	.00 (Ft) Wi d	1th: 70.0	0 (Ft) True Area: 4182.000105 (SqFt
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/1/2012	CS-AC	Crack Sealing - AC	0.00	0.00		PMP 2012
9/1/2008	CS-AC	Crack Sealing - AC	0.00	0.10		PMP 2008
9/1/1985	CS-AC	Crack Sealing - AC	0.00	0.10		
9/2/1973	NC-AC	New Construction - AC	0.00	2.00		
9/1/1973	BA-AG	Base Course - Aggregate	0.00	6.00	✓	
Network:	Enterprise	Municipal Branch: A01EN	Apron	01 Enterpris	Section:	03 Surface:ST
L.C.D. 9/3/19	973 Us	se: APRON Rank: P L	ength: 58	.00 (Ft) Wid	lth: 155.0	0 (Ft) True Area: 7507.000218 (SqFt
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/1/2008	CS-AC	Crack Sealing - AC	0.00	0.10		PMP 2008
9/1/2008	CS-AC	Crack Sealing - AC	0.00	0.00		PMP 2012
9/3/1973	SU-SB	Surface Course - BST	0.00	0.50		date unknown
9/2/1973	NC-AC	New Construction - AC	0.00	2.00	~	
9/1/1973	BA-AG	Base Course - Aggregate	0.00	6.00		
Network:	Enterprise	Municipal Branch: A02EN	Apron	02 Enterpris	Section:	01 Surface:ST
L.C.D. 9/1/20	000 Us	se: APRON Rank: S L	ength: 65	.00 (Ft) Wid	lth: 45.0	0 (Ft) True Area: 2970.000073 (SqFt
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/1/2000	SU-SB	Surface Course - BST	0.00	0.50	V	
9/2/1979	SU-DB	Surface Course - Double Bitum.	0.00	0.75		
9/1/1979	BA-AG	Base Course - Aggregate	0.00	16.00		
Network:	Enterprise	Municipal Branch: A03EN	Apron	03 Enterpris	Section:	01 Surface:ST
L.C.D. 9/2/19	979 Us	se: APRON Rank: S L	ength: 48	.00 (Ft) Wid		0 (Ft) True Area: 2105.000053 (SqFt
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/2/1979	SU-DB	Surface Course - Double Bitum.	0.00	0.75	Y	
9/1/1979	BA-AG	Base Course - Aggregate	0.00	16.00		

Page 2 of 4

Pavement Database: ODA_WOC3_4-10-2023_PostWHEdits_4PM

Network:		1		Apron RW 1	Section:	
L.C.D. 9/1/19	Work		T	.00 (Ft) Wid	Major	0 (Ft) True Area: 2475.000061 (SqFt
Work Date	Code	Work Description	Cost	(in)	M&R	Comments
9/1/2012	CS-AC	Crack Sealing - AC	0.00	0.00		PMP 2012
9/1/2008	CS-AC	Crack Sealing - AC	0.00	0.10		PMP 2008
9/1/1973	SU-SB	Surface Course - BST	0.00	0.50		
9/2/1970	NC-AC	New Construction - AC	0.00	3.00		
9/1/1970	BA-AG	Base Course - Aggregate	0.00	6.00		
Network:		Municipal Branch: AH30F		Apron RW 3	Section:	01 Surface:ST

ı	Network:	Enterprise	Municipal Branch: AH30E	EN Hold A	apron RW 3	Section:	01	Surface:ST
	L.C.D. 9/1/19	973 Us	se: APRON Rank: P L	ength: 130	.00 (Ft) Wi	dth: 20.0	0 (Ft) True	Area: 2465.000064 (SqFt
	Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R		Comments
	9/1/2012	CS-AC	Crack Sealing - AC	0.00	0.00		PMP 2012	
	9/1/1973	SU-SB	Surface Course - BST	0.00	0.50			
	9/2/1970	NC-AC	New Construction - AC	0.00	3.00			
	9/1/1970	BA-AG	Base Course - Aggregate	0.00	6.00			

 Network:
 Enterprise Municipal
 Branch:
 R12EN
 Runway 12/30 Ent
 Section:
 01
 Surface:AC

 L.C.D. 9/1/1997
 Use:
 RUNWAY
 Rank:
 P
 Length:
 2,863.00 (Ft)
 Width:
 50.00 (Ft)
 True Area:
 143150.0035 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/2/2012	PA-AD	Patching - AC Deep	0.00	0.00		PMP 2012
9/1/2012	CS-WD	Crack Seal - Wide Cracks	0.00	0.00		PMP 2012
9/2/2008	ST-SS	Surface Treatment - Slurry Seal	0.00	0.00		PMP 2008
9/1/2008	CS-WD	Crack Seal - Wide Cracks	0.00	0.10		PMP 2008
9/1/1997	OL-AT	Overlay - AC Thin	0.00	0.00		unk. thickness
9/1/1973	SU-SB	Surface Course - BST	0.00	0.50		
9/2/1970	NC-AC	New Construction - AC	0.00	3.00		
9/1/1970	BA-AG	Base Course - Aggregate	0.00	6.00		

Network: Enterprise Municipal Branch: T01EN Taxiway 01 Enterp Section: 01 Surface: ST

L.C.D. 9/1/2000 Use: TAXIWAY Rank: P Length: 2,433.00 (Ft) Width: 20.00 (Ft) True Area: 48242.00121 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/1/2012	CS-AC	Crack Sealing - AC	0.00	0.00		PMP 2012
9/2/2008	ST-SS	Surface Treatment - Slurry Seal	0.00	0.00		PMP 2008
9/1/2008	CS-AC	Crack Sealing - AC	0.00	0.10		PMP 2008
9/1/2000	SU-SB	Surface Course - BST	0.00	0.50		
9/2/1979	SU-DB	Surface Course - Double Bitum.	0.00	0.75		
9/1/1979	BA-AG	Base Course - Aggregate	0.00	16.00		

Page 3 of 4

Pavement Database: ODA_WOC3_4-10-2023_PostWHEdits_4PM

Network: Enterprise Municipal Branch: T02EN Taxiway 02 Enterp Section: 01 Surface:ST L.C.D. 9/1/2000 Use: TAXIWAY Rank: P Length: 50.00 (Ft) Width: 20.00 (Ft) True Area: 1193.000004 (SqFt								
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments		
9/1/2000	SU-SB	Surface Course - BST	0.00	0.00	~			
9/2/1979	SU-DB	Surface Course - Double Bitum.	0.00	0.75				
9/1/1979	BA-AG	Base Course - Aggregate	0.00	16.00	V			
Network:	Enterprise	Municipal Branch: T03EN	Taxiway 03 Enterp Section		Section:	01 Surface:AC		
L.C.D. 9/2/1	973 Us	se: TAXIWAY Rank: P L	ength: 98	.00 (Ft) Wio	dth: 53.0	00 (Ft) True Area: 5464.000131 (SqFt		
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Cor	mments	
9/1/2012	CS-AC	Crack Sealing - AC	0.00	0.00		PMP 2012		
9/1/2008	CS-AC	Crack Sealing - AC	0.00	0.10		PMP 2008		
9/1/1985	CS-AC	Crack Sealing - AC	0.00	0.10				
9/2/1973	NC-AC	New Construction - AC	0.00	2.00				
9/1/1973	BA-AG	D C A						
J. 111713	DA-AU	Base Course - Aggregate	0.00	6.00				
Network:	Enterprise	Municipal Branch: T04EN	Taxiwa	ay 04 Enterp	Section:	01	Surface:ST	
Network:	Enterprise	Municipal Branch: T04EN	Taxiwa		Section:	01 0 (Ft) True Area	~	
Network:	Enterprise	Municipal Branch: T04EN	Taxiwa	ay 04 Enterp	Section:	0 (Ft) True Area	~	
Network: L.C.D. 9/2/1 Work Date	Enterprise 973 Us Work	Municipal Branch: T04EN se: TAXIWAY Rank: P L	Taxiwa ength: 370	ay 04 Enterp .00 (Ft) Wid	Section: dth: 35.0 Major	0 (Ft) True Area	a: 11918 (SqF	
Network: L.C.D. 9/2/1 Work Date 9/1/2012	Enterprise 973 Us Work Code	Municipal Branch: T04EN se: TAXIWAY Rank: P L Work Description	Taxiwa ength: 370	ay 04 Enterp .00 (Ft) Wid Thickness (in)	Section: dth: 35.0 Major	0 (Ft) True Area	a: 11918 (SqF	
Network: L.C.D. 9/2/1 Work Date 9/1/2012	Enterprise 973 Us Work Code CS-AC	Municipal Branch: T04EN se: TAXIWAY Rank: P L Work Description Crack Sealing - AC	Taxiwa ength: 370 Cost	ay 04 Enterp .00 (Ft) Wid Thickness (in) 0.00	Section: dth: 35.0 Major	O (Ft) True Area Con PMP 2012	a: 11918 (SqF	
Network: L.C.D. 9/2/1 Work Date 9/1/2012 9/1/2008	Enterprise 973 Us Work Code CS-AC	Municipal Branch: T04EN se: TAXIWAY Rank: P L Work Description Crack Sealing - AC Crack Sealing - AC	Taxiw: ength: 370 Cost 0.00 0.00	ay 04 Enterp .00 (Ft) Wid Thickness (in) 0.00 0.10	Section: dth: 35.0 Major M&R	O (Ft) True Area Con PMP 2012	a: 11918 (SqF	
Network: L.C.D. 9/2/1 Work Date 9/1/2012 9/1/2008 9/2/1973	Enterprise 973 Us Work Code CS-AC CS-AC SU-DB BA-AG	Municipal Branch: T04EN se: TAXIWAY Rank: P L Work Description Crack Sealing - AC Crack Sealing - AC Surface Course - Double Bitum. Base Course - Aggregate	Taxiwa ength: 370 Cost 0.00 0.00 0.00 0.00	ay 04 Enterp .00 (Ft) Wid Thickness (in) 0.00 0.10 0.75	Section: dth: 35.0 Major M&R	Con PMP 2012 PMP 2008	a: 11918 (SqF	
Network: L.C.D. 9/2/1 Work Date 9/1/2012 9/1/2008 9/2/1973 9/1/1973 Network:	Enterprise 973 Us Work Code CS-AC CS-AC SU-DB BA-AG	Municipal Branch: T04EN se: TAXIWAY Rank: P L Work Description Crack Sealing - AC Crack Sealing - AC Surface Course - Double Bitum. Base Course - Aggregate Municipal Branch: T04EN	Taxiwa ength: 370 Cost 0.00 0.00 0.00 0.00 Taxiwa	ay 04 Enterp .00 (Ft) Wid Thickness (in) 0.00 0.10 0.75 16.00	Section: Ith: 35.0 Major M&R V Section:	O (Ft) True Area Con PMP 2012 PMP 2008	a: 11918 (SqF mments Surface: PCC	
Network: L.C.D. 9/2/1 Work Date 9/1/2012 9/1/2008 9/2/1973 9/1/1973	Enterprise 973 Us Work Code CS-AC CS-AC SU-DB BA-AG	Municipal Branch: T04EN se: TAXIWAY Rank: P L Work Description Crack Sealing - AC Crack Sealing - AC Surface Course - Double Bitum. Base Course - Aggregate Municipal Branch: T04EN	Taxiwa ength: 370 Cost 0.00 0.00 0.00 0.00 Taxiwa	ay 04 Enterp .00 (Ft) Wid Thickness (in) 0.00 0.10 0.75 16.00 ay 04 Enterp	Section: Ith: 35.0 Major M&R V Section:	O (Ft) True Area Con PMP 2012 PMP 2008 02 0 (Ft) True Area	a: 11918 (SqF	

Page 4 of 4

Pavement Database: ODA_WOC3_4-10-2023_PostWHEdits_4PM

Summary:

Work Description	Section Count	Area Total (SqFt)	Thickness Avg (in)	Thickness STD (in)
Base Course - Aggregate	12	238,171.01	10.17	4.93
Crack Seal - Wide Cracks	2	286,300.01	0.05	0.05
Crack Sealing - AC	16	178,187.00	0.05	0.05
New Construction - AC	7	171,743.00	2.43	0.49
New Construction - Initial	1	234.00	0.00	0.00
Overlay - AC Thin	2	149,650.00	0.00	0.00
Patching - AC Deep	2	149,650.00	0.00	0.00
Surface Course - BST	7	208,002.01	0.43	0.17
Surface Course - Double Bitum.	5	66,428.00	0.75	0.00
Surface Treatment - Slurry Seal	2	191,392.00	0.00	0.00