2022 ODA Pavement Evaluation Program Joseph State Airport

Joseph, Oregon

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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



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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 Joseph State Airport in Joseph, 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 Joseph State 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

Joseph State Airport is located in Joseph, Oregon, and is owned and operated by the Oregon Department of Transportation. 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 Joseph State Airport Location Map, Figure 2.1.





Figure 2.1 - JOSEPH STATE AIRPORT LOCATION MAP

Joseph State Airport contains one runway, one primary parallel taxiway, and multiple connector taxiways, taxilanes, and aprons. Types of airside pavements include asphalt concrete (AC) and portland cement concrete (PCC). The airport pavements, delineated by surface type and branch use, are shown on the Joseph State Airport Percent of Pavement Area by Surface Type, Figure 2.2 and on the Joseph State Pavement Area by Branch Use, Figure 2.3. The pavement inventory, including work history for each pavement section, is displayed spatially on the Joseph State Airport Pavement Inventory, Figure 2.4. The pavement facilities summarized by branch and section are listed in Tables 1A and 2A, respectively, in Appendix A. The sample unit layout for each section is shown on Figure 1A in Appendix A. We used the sampling rates outlined in Table 3A of Appendix A in our survey. The pavement inventory, including work history for individual airport pavement sections, is provided in the work history report, Table 1F.



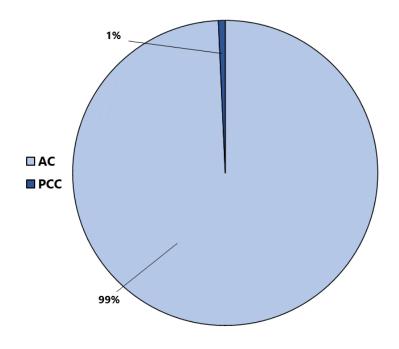


Figure 2.2 - JOSEPH STATE AIRPORT PERCENT OF PAVEMENT AREA BY SURFACE TYPE

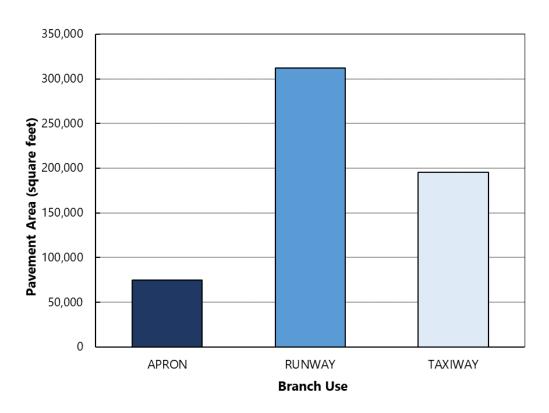
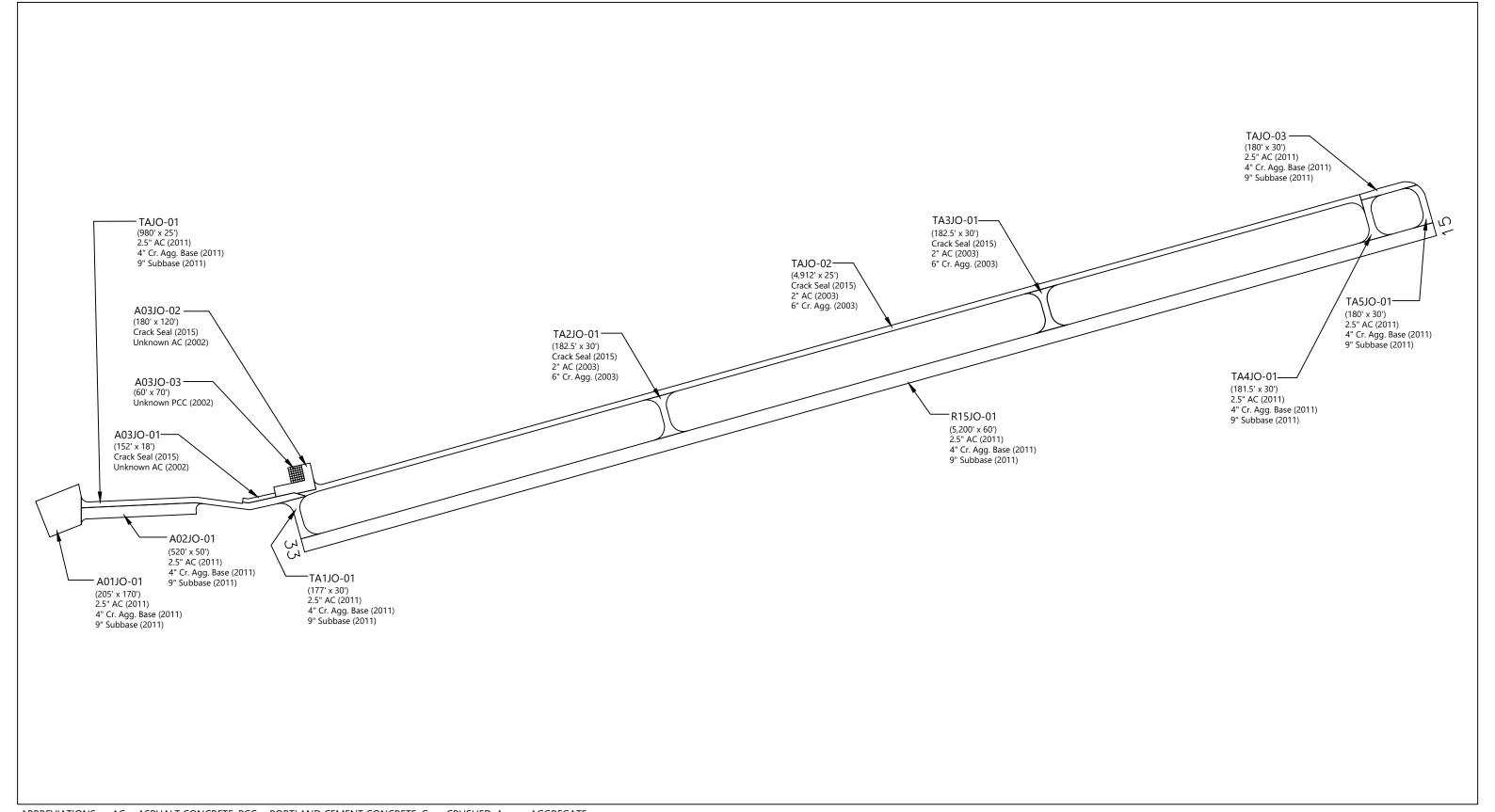


Figure 2.3 - JOSEPH STATE AIRPORT PAVEMENT AREA BY BRANCH USE



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





MAY 2023 JOB NO. 6593-C FIG. 2.4



3 PAVEMENT CONDITION INSPECTION RESULTS

3.1 Introduction

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

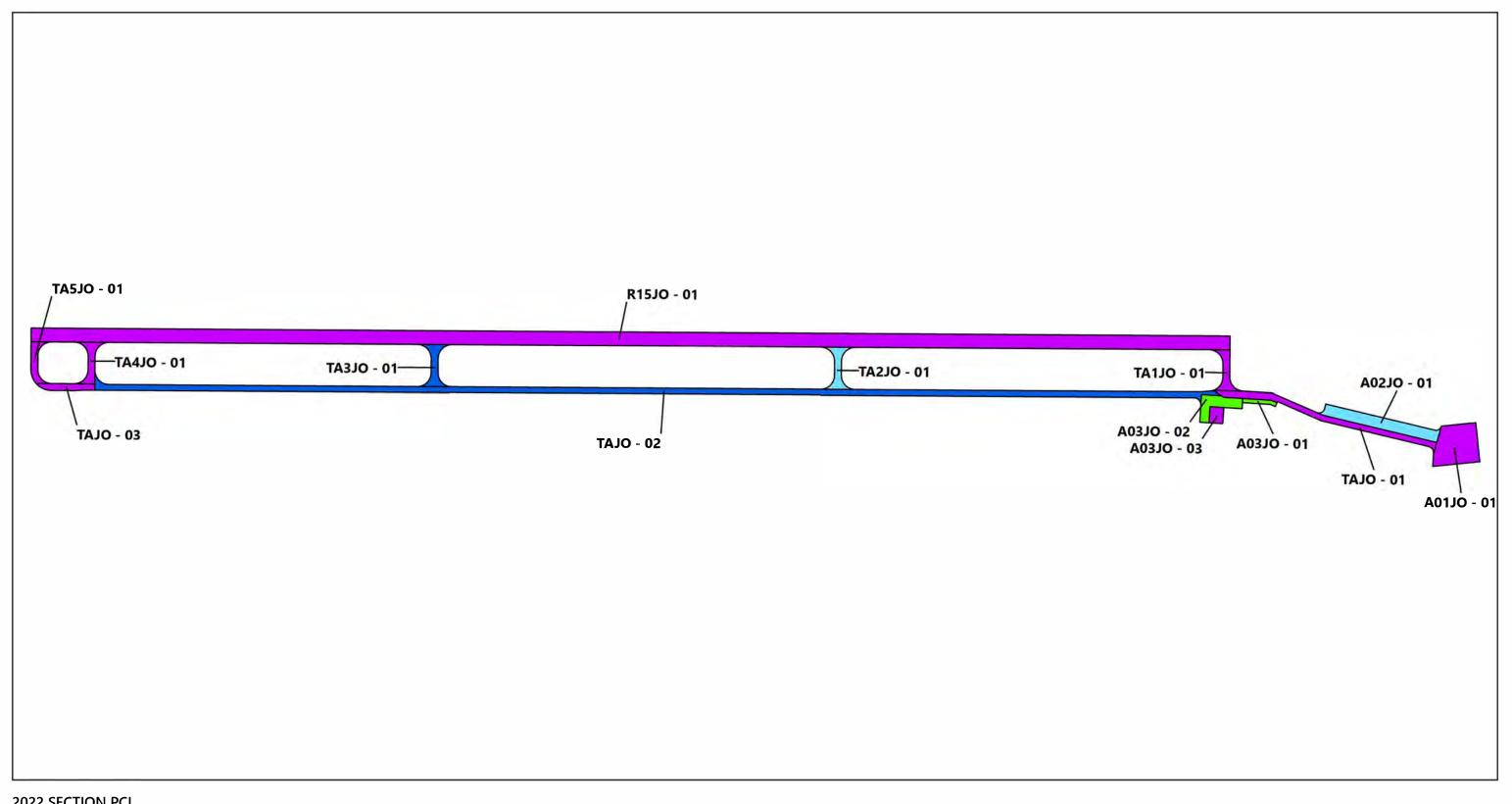
The PCI is based on the type, severity, and quantity of each distress found in an inspected sample unit. Further discussion of distress types for flexible and rigid pavement is provided in Appendix B and summarized in Table 1B in Appendix B. The results of the PCI survey are displayed using a seven-category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

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

Table 3-1: ASTM PCI RATING SCALE

3.2 Pavement Condition Index Survey Results

The area-weighted average PCI for all airport pavements at Joseph State Airport is approximately 82. The section PCIs ranged from a low of 45 to a high of 96. The primary distresses observed during the inspection were weathering, longitudinal and transverse cracking, fatigue (alligator) cracking, and patching 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 Joseph State Airport, Figure 3.1.



2022 SECTION PCI

(86 - 100) GOOD

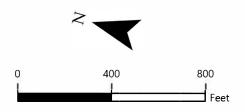
(71 - 85) SATISFACTORY

(56 - 70) FAIR

(41 - 55) POOR

(26 - 40) VERY POOR

(11 - 25) SERIOUS (0 - 10) FAILED





2022 PCI SURVEY RESULTS JOSEPH STATE AIRPORT

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The condition distribution of the network by percent of total pavement area is provided on the Joseph State Airport Pavement Condition Rating by Percent of Area, Figure 3.2. A summary of the pavement condition results by branch and section are 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 re-inspection report that includes inspection details for individual sample units is provided in Table 1E in Appendix E.

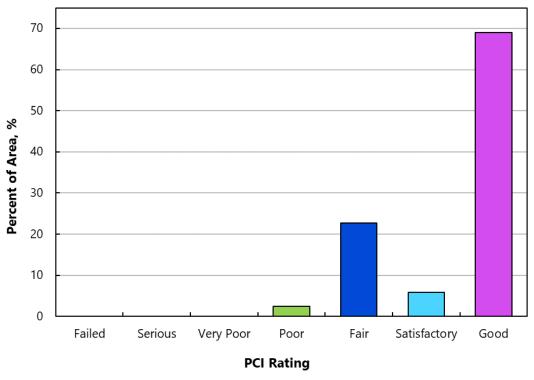


Figure 3.2 - JOSEPH STATE AIRPORT PAVEMENT CONDITION RATING BY PERCENT OF AREA

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 Joseph State 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



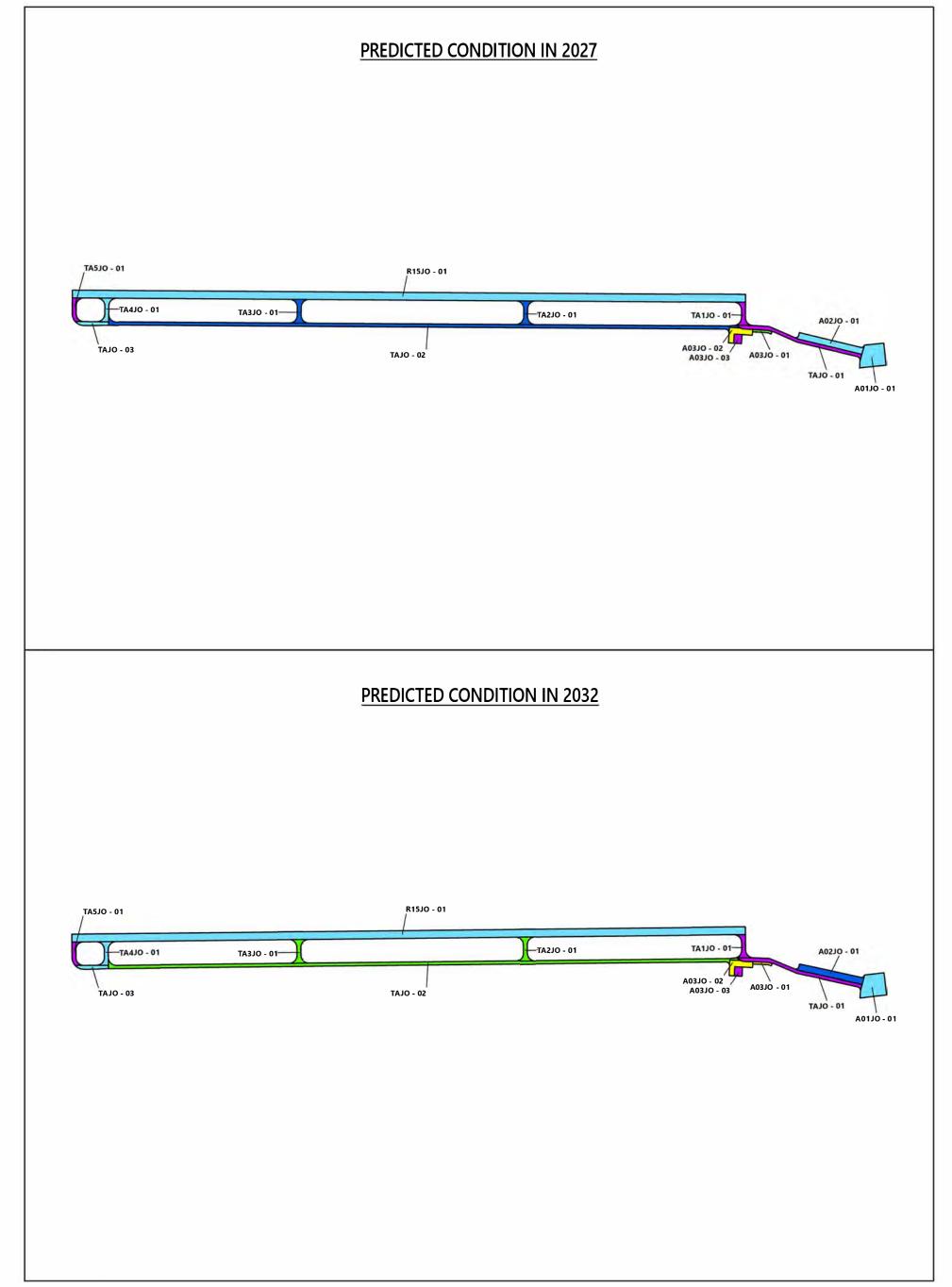
project the PCI to decrease from a current value of 82 to a value of 74 in 2027 and 67 in 2032 if no maintenance or rehabilitation work is performed. The projected pavement condition in 5 years and 10 years for each pavement section at Joseph State Airport is displayed spatially on the Future Pavement Condition Joseph State 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.

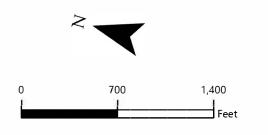
We calculated two forms of functional remaining life based on the current visual condition surveys of the pavement at Joseph State Airport. The first type of functional remaining life is the time until rehabilitation such as an overlay is needed. The critical PCI, further discussed in Section C.3 of 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 Joseph State Airport are summarized in Table 2C in Appendix C.



SECTION PCI







FUTURE PAVEMENT CONDITION JOSEPH STATE AIRPORT

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5 MAINTENANCE AND REHABILITATION PROJECT RECOMMENDATIONS

5.1 Introduction

We evaluated M&R needs, as determined from the PAVER analysis results, in order to develop localized maintenance, 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 Joseph State Airport Pavement Network General Treatment Type Distribution Based on PCI, Figure 5.1 displays a breakdown of the Joseph State Airport network pavement condition by percent of area and general M&R treatment categories. Approximately 75% and 25% of the area require preservation treatments and rehabilitation, respectively.

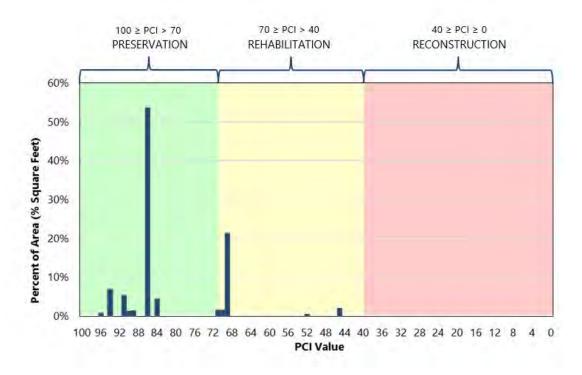


Figure 5.1 - JOSEPH STATE AIRPORT PAVEMENT NETWORK GENERAL TREATMENT TYPE DISTRIBUTION BASED ON PCI

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

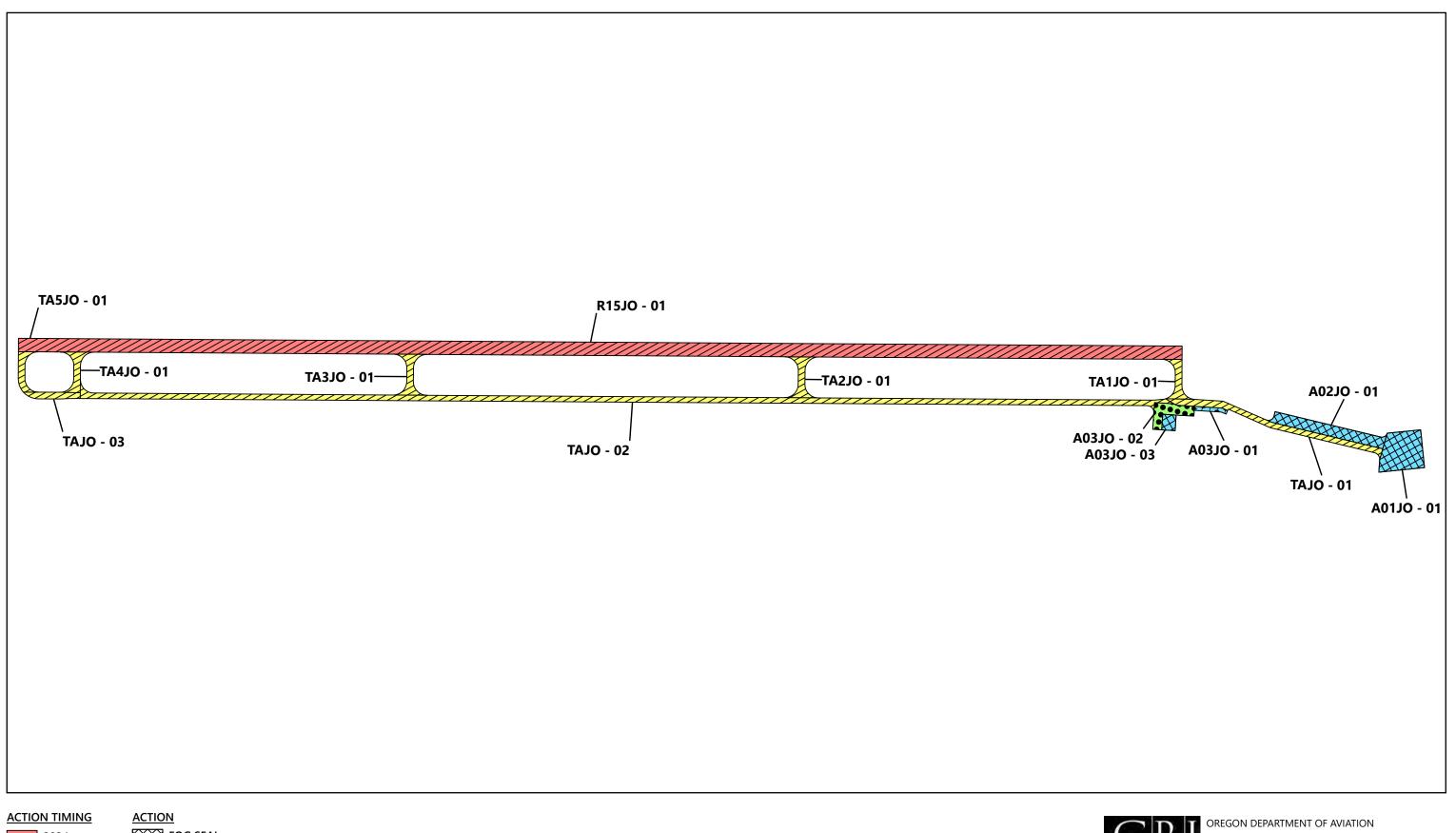
Localized Maintenance Operation	Quantity
Asphalt Concrete Crack Sealing	14,855 linear feet
Asphalt Concrete Full-Depth Patching	265

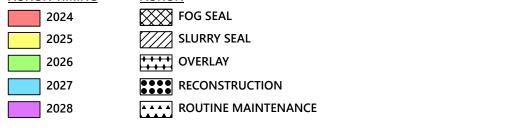
5.3 Global Maintenance and Rehabilitation Plan

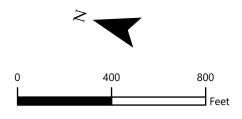
To develop the five-year work plan, we first ran the eliminate backlog scenario with the PAVER M&R Work Planning Module in order to generate a list, organized by year, of global and M&R projects. We then reviewed the project list and refined it into practical construction projects for each year. A summary of global and 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 Joseph State Airport, Figure 5.2. The complete list of recommended global and 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	11,259
Overlay	2,661
Fog Seal	60,825
Slurry Seal	507,249









5-YEAR PAVEMENT MANAGEMENT PLAN JOSEPH STATE AIRPORT

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6 LIMITATIONS

This report has been prepared to assist the Oregon Department of Aviation (ODA) with pavement-related project planning for the Joseph State Airport. The scope is limited to the specific pavement areas described within this report. The conclusions and recommendations provided in this report are based on information provided by 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 Joseph State Airport would like to know more about the results presented in this report, please contact the undersigned.

Submitted for GRI,

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

Joseph State Airport is located in Joseph, Oregon, and is owned and operated by the Oregon Department of Aviation. The pavement network/facilities at Joseph State Airport serve a variety of general aviation aircraft. Joseph State Airport consists of one runway, one primary parallel taxiway, multiple connector taxiways, taxilanes, and several aprons. Types of airside pavements include asphalt concrete (AC) and portland cement concrete (PCC).

The current airport pavement management system (APMS) network at Joseph State Airport has an approximate area of 581 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 the pavement system and has a distinct function. For airports, branches typically consist of individual runways, taxiways, and aprons. The current pavement network for Joseph State 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 Joseph State Airport contains 14 sections that are managed by the Oregon Department of Aviation, 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 Joseph State 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 Joseph State 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 – JOSEPH STATE AIRPORT PAVEMENT BRANCHES

Facility Designation (Branch ID)	Branch Name	Number of Sections	Approximate Area, square feet
A01JO	Apron 01 Joseph	1	30,902
A02JO	Apron 02 Joseph	1	25,724
A03JO	Apron 03 Joseph	3	18,120
R15JO	Runway 15/33 Joseph	1	312,000
TA1JO	Taxiway A1 Joseph	1	7,492
TA2JO	Taxiway A2 Joseph	1	8,565
TA3JO	Taxiway A3 Joseph	1	8,565
TA4JO	Taxiway A4 Joseph	1	7,785
TA5JO	Taxiway A5 Joseph	1	6,462
TAJO	Taxiway A Joseph	3	156,380



Table 2A - JOSEPH STATE AIRPORT CURRENT PAVEMENT INVENTORY

									Approximate Area, square		
BranchID	Branch Name	Branch Use	SectionID	From	То	Rank	Length, feet	Width, feet	feet	LCD ¹	Surface Type
A01JO	Apron 01 Joseph	APRON	01	End	TAJO-01	Р	205	164	30,902	9/3/2011	AC
A02JO	Apron 02 Joseph	APRON	01	A01JO-01	TAJO-01	Р	520	50	25,724	9/3/2011	AC
A03JO	Apron 03 Joseph	APRON	01	TAJO-01	A03JO-02	S	152	18	2,661	8/1/2002	AC
A03JO	Apron 03 Joseph	APRON	02	A03JO-01	TAJO-02	S	180	120	11,259	8/1/2002	AC
A03JO	Apron 03 Joseph	APRON	03	A03JO-02	A03JO-02	S	60	70	4,200	8/1/2002	PCC
R15JO	Runway 15/33 Joseph	RUNWAY	01	TA1JO	TA5JO	Р	5,200	60	312,000	9/3/2011	AC
TA1JO	Taxiway A1 Joseph	TAXIWAY	01	TAJO-02	R15JO	Р	177	30	7,492	9/3/2011	AC
TA2JO	Taxiway A2 Joseph	TAXIWAY	01	TAJO-02	R15JO	Р	183	30	8,565	9/30/2003	AC
TA3JO	Taxiway A3 Joseph	TAXIWAY	01	TAJO-02	R15JO	Р	183	30	8,565	9/30/2003	AC
TA4JO	Taxiway A4 Joseph	TAXIWAY	01	TAJO-02	R15JO	Р	182	30	7,785	9/3/2011	AC
TA5JO	Taxiway A5 Joseph	TAXIWAY	01	TAJO-03	R15JO	Р	180	30	6,462	9/3/2011	AC
TAJO	Taxiway A Joseph	TAXIWAY	01	A01JO	TAJO-02	Р	980	25	25,802	9/3/2011	AC
TAJO	Taxiway A Joseph	TAXIWAY	02	A03JO-02	TA4JO	Р	4,912	25	123,788	9/30/2003	AC
TAJO	Taxiway A Joseph	TAXIWAY	03	TA4JO	TA5JO	Р	250	30	6,790	9/3/2011	AC

Abbreviations:

P = Primary pavement, S = Secondary pavement, AC = Asphalt Concrete, PCC = Portland Cement Concrete

Note:



¹ LCD = Last Construction Date. The date of the last major rehabilitation (e.g. overlay)



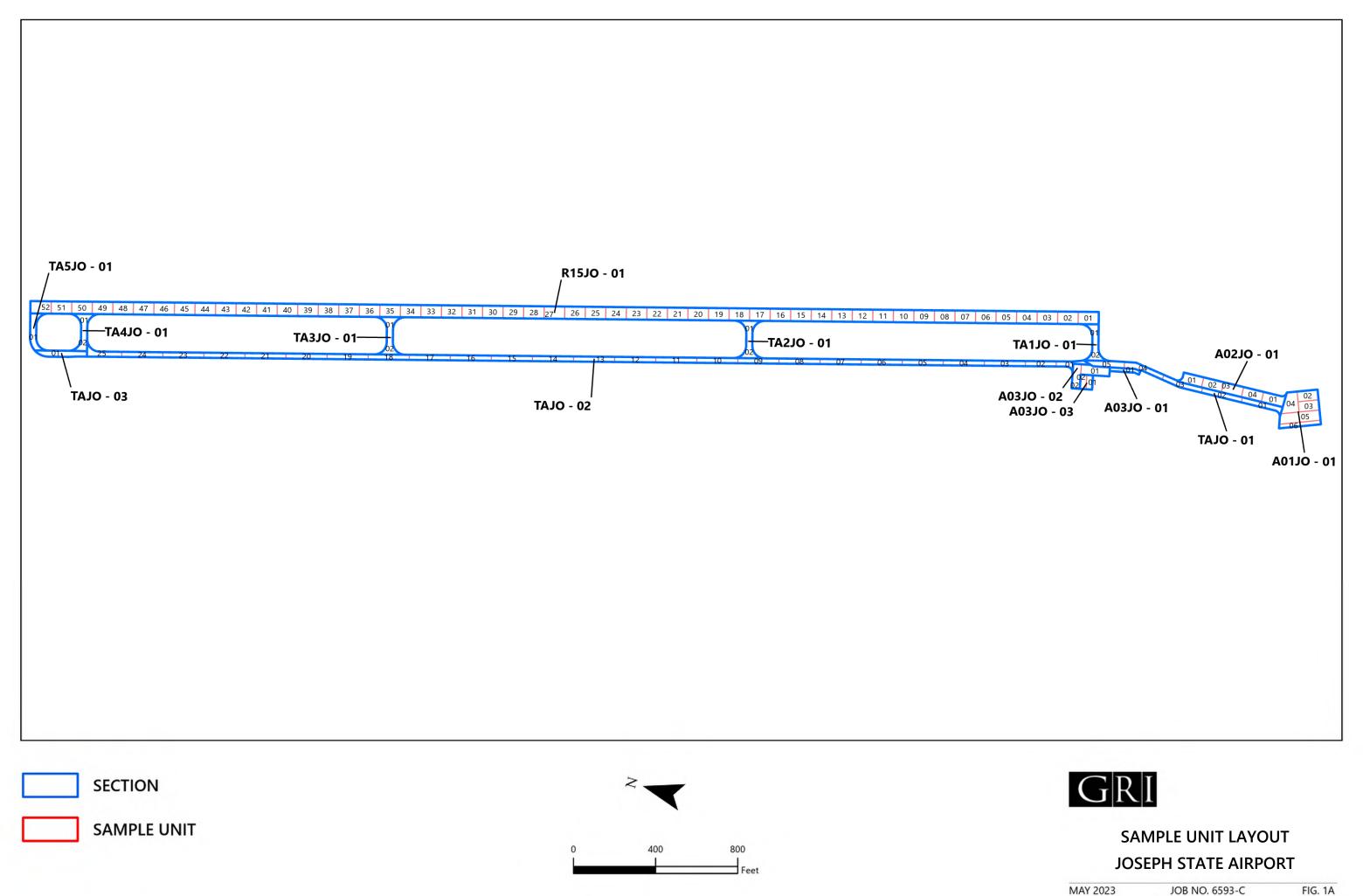
Table 3A: EXAMPLE SAMPLE RATES FOR AC AND PCC PAVEMENTS

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				



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APPENDIX B

Pavement Condition Index Survey Results



APPENDIX B

PAVEMENT CONDITION INDEX SURVEY RESULTS

B.1 METHODOLOGY

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

The PCI is based on the type, severity, and quantity of each distress found in an inspected sample unit. The results are displayed using a seven-category rating scale in accordance with ASTM D5340. Flexible pavement (e.g., AC and AAC) 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						
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 is based on ASTM D5340.

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

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

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

B.2 DISTRESS TYPES

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

 Load-related: Flexible pavement distresses include alligator/fatigue cracking, corrugation, depression, polished aggregate, rutting, and slippage cracking. 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, 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 Joseph State Airport pavement network consists of 10 branches and 14 sections. A total of 35 sample units were visually inspected in the field. Data from the inspected sample units were 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 Joseph State Airport is approximately 82, which corresponds to a PCI rating of Satisfactory.

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 Joseph State Airport pavement sections is outlined in Table 4B in this appendix.

Table 2B - JOSEPH STATE AIRPORT CURRENT BRANCH CONDITION REPORT

Branch ID	Number of Sections	Approximate Area, square feet	Use	Area Weighted Average Branch PCI	PCI Category
A01JO	1	30,902	APRON	91	Good
A02JO	1	25,724	APRON	84	Satisfactory
A03JO	3	18,120	APRON	58	Fair
R15JO	1	312,000	RUNWAY	86	Good
TA1JO	1	7,492	TAXIWAY	94	Good
TA2JO	1	8,565	TAXIWAY	71	Satisfactory
TA3JO	1	8,565	TAXIWAY	70	Fair
TA4JO	1	7,785	TAXIWAY	89	Good
TA5JO	1	6,462	TAXIWAY	94	Good
TAJO	3	156,380	TAXIWAY	74	Satisfactory

Use Category	Number of Sections	Total Area, square feet	Area Weighted Average PCI
APRON	5	74,746	81
RUNWAY	1	312,000	86
TAXIWAY	8	195,249	76
ALL	14	581,995	82

Abbreviation: PCI = Pavement Condition Index



Table 3B - JOSEPH STATE AIRPORT 2022 PAVEMENT CONDITION INDEX SURVEY

BranchID	SectionID	Last Construction Date	Surface Type	Use	Last Inspection Date	Age at Inspection	PCI	PCI Category	PCI % Climate	PCI % Load	PCI % Other
A01JO	01	9/3/2011	AC	APRON	7/1/2022	11	91	Good	100	0	0
A02JO	01	9/3/2011	AC	APRON	7/1/2022	11	84	Satisfactory	100	0	0
A03JO	01	8/1/2002	AC	APRON	7/1/2022	20	52	Poor	46	54	0
A03JO	02	8/1/2002	AC	APRON	7/1/2022	20	45	Poor	76	24	0
A03JO	03	8/1/2002	PCC	APRON	7/1/2022	20	96	Good	0	0	100
R15JO	01	9/3/2011	AC	RUNWAY	7/1/2022	11	86	Good	100	0	0
TA1JO	01	9/3/2011	AC	TAXIWAY	7/1/2022	11	94	Good	100	0	0
TA2JO	01	9/30/2003	AC	TAXIWAY	7/1/2022	19	71	Satisfactory	100	0	0
TA3JO	01	9/30/2003	AC	TAXIWAY	7/1/2022	19	70	Fair	100	0	0
TA4JO	01	9/3/2011	AC	TAXIWAY	7/1/2022	11	89	Good	100	0	0
TA5JO	01	9/3/2011	AC	TAXIWAY	7/1/2022	11	94	Good	100	0	0
TAJO	01	9/3/2011	AC	TAXIWAY	7/1/2022	11	94	Good	100	0	0
TAJO	02	9/30/2003	AC	TAXIWAY	7/1/2022	19	69	Fair	82	18	0
TAJO	03	9/3/2011	AC	TAXIWAY	7/1/2022	11	90	Good	100	0	0

Abbreviations:

PCI = Pavement Condition Index, AC = Asphalt Concrete, PCC = Portland Cement Concrete



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

			Approximate Area, square			2017 Surve	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
A01JO	01	AC	30,902	9/3/2011	100	Good	6/13/2017	91	Good	6	-1.78	NORMAL
A02JO	01	AC	25,724	9/3/2011	98	Good	6/13/2017	84	Satisfactory	6	-2.77	NORMAL
A03JO	01	AC	2,661	8/1/2002	75	Satisfactory	6/13/2017	52	Poor	15	-4.55	HIGH
A03JO	02	AC	11,259	8/1/2002	67	Fair	6/13/2017	45	Poor	15	-4.35	HIGH
A03JO	03	PCC	4,200	8/1/2002	100	Good	6/13/2017	96	Good	15	-0.79	NORMAL
R15JO	01	AC	312,000	9/3/2011	96	Good	6/13/2017	86	Good	6	-1.98	NORMAL
TA1JO	01	AC	7,492	9/3/2011	100	Good	6/13/2017	94	Good	6	-1.19	NORMAL
TA2JO	01	AC	8,565	9/30/2003	73	Satisfactory	6/13/2017	71	Satisfactory	14	-0.40	NORMAL
TA3JO	01	AC	8,565	9/30/2003	69	Fair	6/13/2017	70	Fair	14	0.20	NONE
TA4JO	01	AC	7,785	9/3/2011	100	Good	6/13/2017	89	Good	6	-2.18	NORMAL
TA5JO	01	AC	6,462	9/3/2011	100	Good	6/13/2017	94	Good	6	-1.19	NORMAL
TAJO	01	AC	25,802	9/3/2011	100	Good	6/13/2017	94	Good	6	-1.19	NORMAL
TAJO	02	AC	123,788	9/30/2003	76	Satisfactory	6/13/2017	69	Fair	14	-1.39	NORMAL
TAJO	03	AC	6,790	9/3/2011	100	Good	6/13/2017	90	Good	6	-1.98	NORMAL

Abbreviations:



¹ AC = Asphalt Concrete, PCC = Portland Cement Concrete

 $^{^{2}}$ 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 Joseph State Airport. The delineation is based on branch use, surface type, section rank, and structural design life. We use four distinct models for the following "families" of pavements at Joseph State 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.



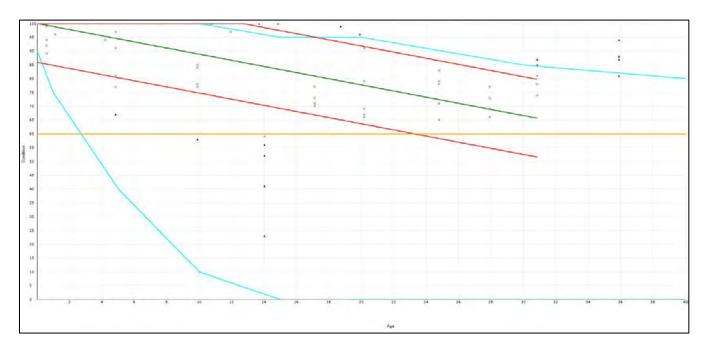


Figure 1C - CONDITION PREDICTION MODEL FOR EASTERN CATEGORY 4 PCC RUNWAYS, TAXIWAYS, AND APRONS

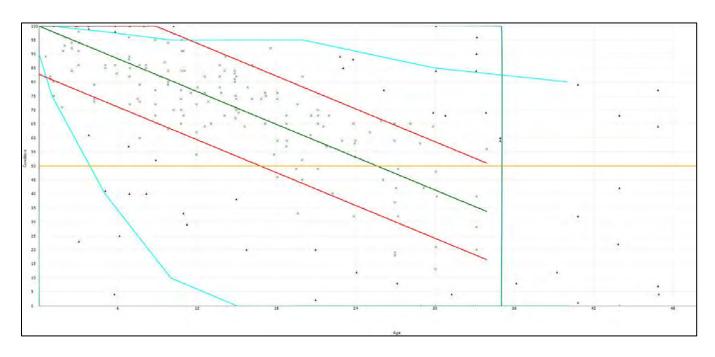


Figure 2C - CONDITION PREDICTION MODEL FOR EASTERN CATEGORY 4 AC APRONS



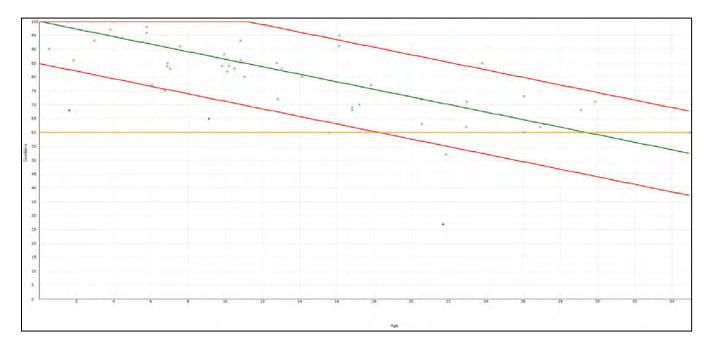


Figure 3C - CONDITION PREDICTION MODEL FOR EASTERN CATEGORY 4 AC RUNWAYS

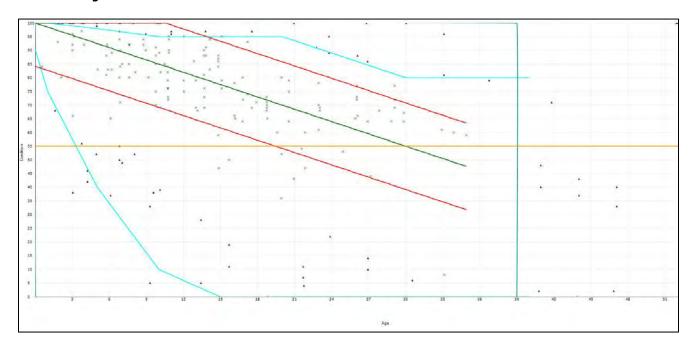


Figure 4C - CONDITION PREDICTION MODEL FOR EASTERN CATEGORY 4 AC TAXIWAYS

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 Joseph State Airport:

- Runways 60
- Taxiways/Taxilanes 55
- Aprons 50

C.4 FUTURE CONDITION ANALYSIS

As previously discussed, the projected condition of each pavement section was determined for 5- and 10-year periods. The projected pavement conditions in 5 years and 10 years for each pavement section at Joseph State 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 solely based on visual condition. This is not to be confused with structural remaining life, which requires an 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 Joseph State 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 F	uture PCI
BranchID	SectionID	2017	2022	2027	2032
A01JO	01	100	91	81	71
A02JO	01	98	84	74	64
A03JO	01	75	52	42	32
A03JO	02	67	45	35	25
A03JO	03	100	96	90	85
R15JO	01	96	86	79	72
TA1JO	01	100	94	87	79
TA2JO	01	73	71	64	56
TA3JO	01	69	70	63	55
TA4JO	01	100	89	82	74
TA5JO	01	100	94	87	79
TAJO	01	100	94	87	79
TAJO	02	76	69	62	54
TAJO	03	100	90	83	75

Abbreviation: PCI = Pavement Condition Index



Table 2C - JOSEPH AIRPORT FUNCTIONAL REMAINING LIFE ANALYSIS

Branch ID	Section ID	Surface Type	Current PCI	Years to Major M&R	Major M&R Trigger PCI ¹	Years to End of Functional Service Life
A01JO	01	AC	91	> 20	50	> 20
A02JO	01	AC	84	16 - 20	50	> 20
A03JO	01	AC	52	0 - 5	50	6 - 10
A03JO	02	AC	45	0 - 5	50	0 - 5
A03JO	03	PCC	96	> 20	50	> 20
R15JO	01	AC	86	> 20	60	> 20
TA1JO	01	AC	94	> 20	55	> 20
TA2JO	01	AC	71	6 - 10	55	> 20
TA3JO	01	AC	70	6 - 10	55	> 20
TA4JO	01	AC	89	> 20	55	> 20
TA5JO	01	AC	94	> 20	55	> 20
TAJO	01	AC	94	> 20	55	> 20
TAJO	02	AC	69	6 - 10	55	> 20
TAJO	03	AC	90	> 20	55	> 20

Abbreviations:

AC = Asphalt Concrete, PCC = Portland Cement Concrete, PCI = Portland Cement Concrete





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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 Joseph State 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 Joseph State 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 Joseph State Airport. The costs represent the fully-loaded costs and include aspects of the project such as administration, contingencies, mobilization, and striping. The cost tables used in the analysis are presented in Table 2D below.

Table 2D: JOSEPH STATE 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
Clabal MO.D	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 revenuve man	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 and M&R activities is provided in Table 4D of this appendix.

Table 3D - JOSEPH STATE AIRPORT NETWORK MAINTENANCE REPORT

Network	Branch ID	Section ID	Distress	Severity	Action	Work Quantity	Unit	Unit Cost	Work Cost	Section Total
Joseph	A01JO	01	Long. & Trans. Cracking	Medium	Crack Sealing - AC	91	Ft	\$2.40	\$218	\$218
Joseph	A02JO	01	Long. & Trans. Cracking	Medium	Crack Sealing - AC	270	Ft	\$2.40	\$648	\$648
Joseph	A03JO	01	Long. & Trans. Cracking	Medium	Crack Sealing - AC	29	Ft	\$2.40	\$70	\$5,747
Joseph	A03JO	01	Alligator Cracking	Medium	Patching - AC Deep	95	SqFt	\$60.00	\$5,678	\$5,747
Joseph	A03JO	02	Long. & Trans. Cracking	Medium	Crack Sealing - AC	266	Ft	\$2.40	\$637	\$6,722
Joseph	A03JO	02	Alligator Cracking	Medium	Patching - AC Deep	101	SqFt	\$60.00	\$6,084	\$0,722
Joseph	R15JO	01	Long. & Trans. Cracking	Low	Crack Sealing - AC	7,315	Ft	\$2.40	\$17,555	\$17,555
Joseph	TA2JO	01	Long. & Trans. Cracking	Medium	Crack Sealing - AC	391	Ft	\$2.40	\$938	\$938
Joseph	TA3JO	01	Long. & Trans. Cracking	Medium	Crack Sealing - AC	386	Ft	\$2.40	\$926	\$962
Joseph	TA3JO	01	Long. & Trans. Cracking	Low	Crack Sealing - AC	15	Ft	\$2.40	\$36	\$902
Joseph	TA4JO	01	Long. & Trans. Cracking	Medium	Crack Sealing - AC	31	Ft	\$2.40	\$74	\$74
Joseph	TAJO	02	Long. & Trans. Cracking	Medium	Crack Sealing - AC	6,031	Ft	\$2.40	\$14,474	\$18,611
Joseph	TAJO	02	Alligator Cracking	Medium	Patching - AC Deep	69	SqFt	\$60.00	\$4,137	\$10,011
Joseph	TAJO	03	Long. & Trans. Cracking	Low	Crack Sealing - AC	30	Ft	\$2.40	\$72	\$72

Abbreviations:

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



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

Action Year	Branch ID	Section ID	Branch Use	Surface Type	Current PCI	Action	Area, square feet	Unit Cost per square foot	Total Cost
2024	R15JO	01	RUNWAY	AC	86	Slurry Seal	312,000	\$0.40	\$124,801
	TA1JO	01	TAXIWAY	AC	94	Slurry Seal	7,492	\$0.40	\$2,997
	TA2JO	01	TAXIWAY	AC	71	Slurry Seal	8,565	\$0.40	\$3,426
	TA3JO	01	TAXIWAY	AC	70	Slurry Seal	8,565	\$0.40	\$3,426
2025	TA4JO	01	TAXIWAY	AC	89	Slurry Seal	7,785	\$0.40	\$3,114
2023	TA5JO	01	TAXIWAY	AC	94	Slurry Seal	6,462	\$0.40	\$2,585
	TAJO	01	TAXIWAY	AC	94	Slurry Seal	25,802	\$0.40	\$10,321
	TAJO	02	TAXIWAY	AC	69	Slurry Seal	123,788	\$0.40	\$49,516
	TAJO	03	TAXIWAY	AC	90	Slurry Seal	6,790	\$0.40	\$2,716
2026	A03JO	02	APRON	AC	45	Reconstruction	11,259	\$13.32	\$149,975
	A01JO	01	APRON	AC	91	Fog Seal	30,902	\$11.80	\$364,644
2027	A02JO	01	APRON	AC	84	Fog Seal	25,724	\$0.24	\$6,174
2021	A03JO	01	APRON	AC	52	Overlay	2,661	\$8.89	\$23,645
	A03JO	03	APRON	AC	96	Fog Seal	4,199	\$0.24	\$1,008

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

Cost Summary	
2024 Total Project Cost	\$124,801
2025 Total Project Cost	\$78,100
2026 Total Project Cost	\$149,975
2027 Total Project Cost	\$395,470
2028 Total Project Cost	\$0
Total 5-Year Project Cost	\$748,346





APPENDIX E

Reinspection Report

Re-Inspection Report

 $ODA_WOC3_4-10-2023_PostWHE dits_4PM$

57

WEATHERING

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6989.00 SqFt

Generated Date 4/13/2023

Page 1 of 14

Generated Date	4/13/2023					1 4 5 1 6 1
Network: Joseph		Name:	Joseph State			
Branch: A01JO	Name:	Apron 01 Joseph	Use:	APRON	Area:	30,902 SqFt
Section: 01	of 1 F	rom: End		To: TAJO-01	[Last Const.: 9/3/2011
Surface: AC	Family: 2022_Eastern_C _AC/AAC	Cat4_Apron Zone:	KJSY	Category: O		Rank: P
Area: 30,9	02 SqFt Length:	205 Ft	Width:	164 Ft		
Slabs:	Slab Length:	Ft Slab	Width:	Ft	Joint Length:	Ft
Shoulder:	Street Type:	Gra	de: 0		Lanes: 0	
Section Comments:						
Work Date: 1/1/1967	Work Type: Base	Course - Aggregate		Code: BA-AG	Is Major	M&R: True
Work Date: 1/2/1967	Work Type: New	Construction - AC		Code: NC-AC	Is Major	M&R: True
Work Date: 9/1/1983	Work Type: Crack	Sealing - AC		Code: CS-AC	Is Major	M&R: False
Work Date: 9/1/1985	Work Type: Crack	Sealing - AC		Code: CS-AC	Is Major	M&R: False
Work Date: 9/1/1998	Work Type: Overl	ay - AC Thin		Code: OL-AT	Is Major	M&R: True
Work Date: 9/1/2011	Work Type: Subba	ase - Aggregate		Code: SB-AG	Is Major	M&R: False
Work Date: 9/2/2011	Work Type: Base	Course - Crushed Aggre	egate	Code: BA-CA	Is Major	M&R: False
Work Date: 9/3/2011	Work Type: Comp	lete Reconstruction - A	С	Code: CR-AC	Is Major	M&R: True
Last Insp. Date: 7/1/2022	2 TotalSa	imples: 6	Surve	yed: 3		
Conditions: PCI: 91 Inspection Comments:						
Sample Number: 01	Type: R	Area:	5000.00 SqFt	PCI: 84		
Sample Comments: C	reated by Inspection Schedule					
18 L & T CR	M	50.00 Ft				
57 WEATHERING	L	5000.00 SqFt				
Sample Number: 03	Type: R	Area:	5000.00 SqFt	PCI: 94		
Sample Comments: C	reated by Inspection Schedule					
WEATHERING	L	5000.00 SqFt				
Sample Number: 04	Type: R	Area:	6989.00 SqFt	PCI: 94		
Sample Comments: C	reated by Inspection Schedule					

Network: Joseph		Nai	me: Jose	ph State			
Branch: A02JO	Name	e: Apron 02 Jos	eph	Use:	APRON	Area:	25,724 SqFt
Section: 01	of 1	From: A01JO	-01		To: TAJO-0	1	Last Const.: 9/3/2011
Surface: AC	Family: 2022_Eas _AC/AAG	tern_Cat4_Apron Zor	ie: KJSY		Category: O		Rank: P
Area: 25,	724 SqFt Len	gth: 520 l	Ft	Width:	50 Ft		
Slabs:	Slab Length:	Ft	Slab Width:		Ft	Joint Le	ngth: Ft
Shoulder:	Street Type:		Grade: 0			Lanes:	0
Section Comments:							
Work Date: 9/1/1998	Work Type:	Base Course - Aggrega	te	Coo	de: BA-AG	Is M	ajor M&R: True
Work Date: 9/2/1998	Work Type:	New Construction - AC		Coo	de: NC-AC	Is M	ajor M&R: True
Work Date: 9/1/2011	Work Type:	Subbase - Aggregate		Coo	de: SB-AG	Is M	ajor M&R: False
Work Date: 9/2/2011	Work Type:	Base Course - Crushed	Aggregate	Coo	de: BA-CA	Is M	ajor M&R: False
Work Date: 9/3/2011	Work Type:	Complete Reconstruction	on - AC	Coo	de: CR-AC	Is M	ajor M&R: True
Last Insp. Date: 7/1/202	2 To	otalSamples: 5		Surveyed	: 3		
Conditions: PCI: 84	ļ						
Inspection Comments:							
Sample Number: 01	Type: R	Area:	5200	0.00 SqFt	PCI: 88	3	
Sample Comments:	Created by Inspection Sch	edule					
48 L & T CR	M	20.00 Ft					
57 WEATHERING	L	5200.00 SqFt					
Sample Number: 03	Type: R	Area:	5000	0.00 SqFt	PCI: 79)	
Sample Comments:	Created by Inspection Sch	edule					
48 L & T CR	M	100.00 Ft					
57 WEATHERING	L	5000.00 SqFt					
Sample Number: 05	Type: R	Area:	5524	1.00 SqFt	PCI: 85	5	
Sample Number: 03							
•	Created by Inspection Sch	edule					
•	Created by Inspection Sch M	edule 45.00 Ft					

Network:	Joseph			Nai	me: Jose	eph State					
Branch:	A03JO		Name:	Apron 03 Jos	seph	Use:	APRON		Area:	18,120 SqFt	
Section:	03	oi	f 3	From: A03JC	D-02		To:	A03JO-02		Last Const.:	8/1/2002
Surface:	PCC	Family:	2022_Eastern es_PCC	_Cat4_AllUs Zo i	ne: KJSY		Categ	gory: O		Rank: S	
Area:		4,200 SqFt	Length	: 60	Ft	Width:		70 Ft			
Slabs:	42	Slab Len	igth:	10 Ft	Slab Width:		10 Ft		Joint Length:	710 Ft	
Shoulder:		Street Ty	ype:		Grade: 0				Lanes: 0		
Section Co	mments:										
Work Date	e: 8/1/2002	W	ork Type: Nev	w Construction - PC	r		ode: NC-	PC	Is Major	M&R: True	
						C	out. NO	ıc	15 1414/01	1,1611. 1140	
Conditions		96		Samples: 2		Surveye			15 (414)01	True	
Conditions Inspection		96	Total				ed: 2	PCI: 98	15 (414)01	THE THE	
Conditions Inspection Sample Nu	comments	96 : Тур	Total	Samples: 2 Area:		Surveye	ed: 2		15 (414)01	The True	
Conditions Inspection Sample Nu Sample Co	comments	96 : Typ Created by Ins	Total De: R	Samples: 2 Area:	2	Surveye	ed: 2		15 (414)01		
Conditions Inspection Sample Nu Sample Co	Comments: Omments:	96: Typ Created by Ins	Total De: R pection Schedu L	Samples: 2 Area:	2	Surveye	ed: 2		15 (Viajo)		
Conditions Inspection Sample Nu Sample Co 75 CO Sample Nu	comments: mber: 01 mments: RNER SPAI mber: 02	96 : Typ Created by Ins	Total De: R pection Schedu L	Samples: 2 Area: le 1.00 Slabs Area:	2	Surveye	ed: 2	PCI: 98	15 (414)01		
Conditions Inspection Sample Nu Sample Co 75 CO Sample Nu Sample Co	comments: mber: 01 mments: RNER SPAI mber: 02	96 : Typ Created by Ins	Total De: R pection Schedu L De: R	Samples: 2 Area: le 1.00 Slabs Area:	2	Surveye	ed: 2	PCI: 98	15 (Viajo)		
Conditions Inspection Sample Nu Sample Co Sample Nu Sample Co Sample Co 70 SCA 73 SHI	comments: RNER SPAI mber: 02 mments:	96 : Typ Created by Ins	Total De: R pection Schedu L De: R pection Schedu	Area: le 1.00 Slabs Area:	2	Surveye	ed: 2	PCI: 98	15 (414)01		

Network: Joseph State Joseph Name: Branch: A03JO Apron 03 Joseph Use: APRON 18,120 SqFt Name: Area: Section: 01 of 3 To: A03JO-02 Last Const.: 8/1/2002 From: TAJO-01 Surface: ACFamily: 2022_Eastern_Cat4_Apron Zone: KJSY Category: O Rank: S _AC/AAC Width: 2,661 SqFt Length: 18 Ft Area: 152 Ft Slabs: Slab Length: Ft Slab Width: Ft Joint Length: Ft Shoulder: **Street Type:** 0 Lanes: Grade: **Section Comments:** Work Date: 8/1/2002 Work Type: New Construction - AC Code: NC-AC Is Major M&R: True Code: CS-AC Work Date: 9/1/2015 Work Type: Crack Sealing - AC Is Major M&R: False **Last Insp. Date:** 7/1/2022 TotalSamples: 1 Surveyed: 1 **Conditions:** PCI: **Inspection Comments:** Sample Number: 01 R PCI: 52 Type: Area: 3574.00 SqFt

Sample Comments: Created by Inspection Schedule

41 ALLIGATOR CR M 80.00 SqFt L & T CR M 48 39.00 Ft 57 WEATHERING M 3574.00 SqFt

Notword-	Ingar!					No	T	ph State							
Network:	Joseph					Nam	ie: Jose	pn State							
Branch:	A03JO			Name:	Apron	03 Josej	ph	Use:	APRON		Area:		18,120	SqFt	
Section:	02	(of 3	l	From:	A03JO-0	01		To:	TAJO-02			Las	t Const.:	8/1/2002
Surface:	AC	Family:		2_Eastern_ C/AAC	Cat4_Apro	n Zone	e: KJSY		Cate	gory: O			Ran	k: S	
Area:		11,259 SqFt		Length:		180 Ft	t	Width:		120 Ft					
Slabs:		Slab Le	ngth:		Ft		Slab Width:		Ft		Joint Le	ength:		F	⁷ t
Shoulder:		Street T	ype:				Grade: 0				Lanes:	0			
Section Co	omments:														
Work Date	e: 8/1/2002	W	ork T	ype: New	Construction	on - AC		C	ode: NC-	·AC	Is M	lajor I	M&R:	True	
Work Date	e: 9/1/2015							<u> </u>	ode: CS-2	AC	T 3				
		· v	ork T	ype: Cracl	k Sealing	AC		C	. CD-2	110	IS N	Aajor I	M&R:	False	
Last Insp.			ork 1								Is N	Aajor I	M&R:	False	
-	Date: 7/1/	/2022	ork 1		k Sealing amples:			Surveye			15 N	Major I	M&R:	False	
Conditions	Date: 7/1/	/2022	ork T								1s N	Aajor I	M&R:	False	
Conditions Inspection	Date: 7/1/ s: PCI:	/2022 45 s:		TotalS	amples:	2	6008	Surveye	ed: 2		IS N	Aajor I	M&R:	False	
Conditions Inspection Sample Nu	Date: 7/1/s: PCI: Comments umber: 01	/2022 45 s:	pe:	TotalS	amples:		6985		ed: 2	PCI: 42	IS IV	Aajor I	M&R:	False	
Conditions Inspection Sample Nu	Date: 7/1/s: PCI: Comments umber: 01	/2022 45 s:	pe:	TotalS	amples:	2	6985	Surveye	ed: 2		IS IV	Major I	M&R:	False	
Conditions Inspection Sample Nu Sample Co	Date: 7/1/ s: PCI: Comments umber: 01 omments:	/2022 45 3: Ty Created by In	pe: spection	R on Schedule	amples:	2 Area: SqFt	6985	Surveye	ed: 2		IS IV	Aajor I	M&R:	False	
Conditions Inspection Sample Nu Sample Co 41 AL 48 L &	Date: 7/1/ ss: PCI: Comments umber: 01 omments: LIGATOR (/2022 45 3: Ty Created by In	pe: spection	R on Schedule	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	2 Area: SqFt Ft	6985	Surveye	ed: 2		1S IV	Aajor I	M&R:	False	
Conditions Inspection Sample Nu Sample Co 41 AL 48 L & 48 L &	Date: 7/1/ s: PCI: Comments umber: 01 omments: LIGATOR (/2022 45 3: Ty Created by In	pe: spection	R on Schedule M M M	68.00 100.00 32.00	2 Area: SqFt Ft Ft	6985	Surveye	ed: 2		IS IV	Aajor I	M&R:	False	
Conditions Inspection Sample Nu Sample Co 41 AL 48 L & 48 L & 52 RA	Date: 7/1/ s: PCI: Comments umber: 01 omments: LIGATOR C & T CR & T CR VELING	/2022 45 S: Ty Created by In	pe: spection I	R on Schedule M M M M M	68.00 100.00 32.00 3492.00	2 SqFt Ft Ft SqFt	6985	Surveye	ed: 2		IS IV	Aajor I	M&R:	False	
Conditions Inspection Sample Nu Sample Co 41 AL 48 L & 48 L & 52 RA	Date: 7/1/ s: PCI: Comments umber: 01 omments: LIGATOR (/2022 45 S: Ty Created by In	pe: spection	R on Schedule M M M	68.00 100.00 32.00	2 SqFt Ft Ft SqFt	6985	Surveye	ed: 2		1S IV	Aajor I	M&R:	False	
Conditions Inspection Sample No Sample Co 41 AL 48 L & 48 L & 52 RA 57 WE	Date: 7/1/ s: PCI: Comments umber: 01 omments: LIGATOR C & T CR & T CR VELING	/2022 45 S: Ty Created by In CR	pe: spection	R on Schedule M M M M M	68.00 100.00 32.00 3492.00 3492.00	2 SqFt Ft Ft SqFt		Surveye	ed: 2		IS IV	Major I	M&R:	False	
Conditions Inspection Sample Nu Sample Co 41 AL 48 L & 48 L & 52 RA 57 WE Sample Nu	Date: 7/1/ s: PCI: Comments: umber: 01 omments: LIGATOR 0 a T CR a T CR VELING EATHERING	/2022 45 S: Ty Created by In CR	pe: spection if if if if pe:	R on Schedule M M M M M M R	68.00 100.00 32.00 3492.00	2 SqFt Ft Ft SqFt SqFt		Surveye	ed: 2	PCI: 42	18 M	Major I	M&R:	False	
Conditions Inspection Sample No Sample Co 41 AL 48 L & 48 L & 52 RA 57 WE Sample No Sample Co	Date: 7/1/ s: PCI: Comments: umber: 01 omments: LIGATOR 0 a T CR a T CR VELING EATHERING	/2022 45 S: Ty Created by In CR G	pe: spection if	R on Schedule M M M M M M R	68.00 100.00 32.00 3492.00	2 SqFt Ft Ft SqFt SqFt SqFt Area:		Surveye	ed: 2	PCI: 42	18 M	Major I	M&R:	False	
Conditions Inspection Sample No Sample Co 41 AL 48 L & 48 L & 52 RA 57 WE Sample No Sample Co 48 L & 48 L &	Date: 7/1/ ss: PCI: Comments umber: 01 omments: LIGATOR C E T CR E T CR VELING EATHERING umber: 02 omments:	/2022 45 S: Ty Created by In CR G	pe: ! ! ! ! ! ! pe:	R on Schedule M M M M M M M M M M M M M M M M M M M	68.00 100.00 32.00 3492.00 3492.00	2 SqFt Ft Ft SqFt SqFt SqFt Area:		Surveye	ed: 2	PCI: 42	18 M	Major I	M&R:	False	
Conditions Inspection Sample No Sample Co 41 AL 48 L & 48 L & 52 RA 57 WE Sample No Sample Co 48 L & 48 L & 48 L &	Date: 7/1/ s: PCI: Comments umber: 01 omments: LIGATOR C T CR T CR VELING EATHERING umber: 02 omments: c T CR	/2022 45 S: Ty Created by In CR G	pe: ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! !	R on Schedule M M M M M M M M M M M M M M M M M M M	68.00 100.00 32.00 3492.00 3492.00	SqFt Ft Ft SqFt SqFt Area:		Surveye	ed: 2	PCI: 42	18 M	Major I	M&R:	False	

Netwo	rk: Joseph				Name:	Joseph State					
Brancl	h: R15JO		Name:	Runway 1	5/33 Joseph	Uso	e: RU	JNWAY	Area:	312,000 SqFt	
Section	1: 01	of 1	F	rom: TA	1JO			To: TA5J	Э	Last Const.:	9/3/2011
Surfac	e: AC		22_Eastern_0 //AAC	Cat4_RW_	Zone: KJ	JSY		Category:)	Rank: P	
Area:	31	12,000 SqFt	Length:	5,2	00 Ft	Width:		60 Ft			
Slabs:		Slab Length:		Ft	Slab Wie	dth:		Ft	J	Joint Length: Fi	t
Should	ler:	Street Type:			Grade:	0			I	Lanes: 0	
Section	Comments:										
Work	Date: 9/1/1996	Work 7	Гуре: Base	Course - Aggr	regate		Code:	BA-AG		Is Major M&R: True	
Work	Date: 9/2/1996	Work 7	Гуре: Сотр	olete Reconstru	uction - AC		Code:	CR-AC		Is Major M&R: True	
Work	Date: 9/1/1999	Work 7	Гуре: Surfac	ce Treatment -	- Slurry Seal		Code:	ST-SS		Is Major M&R: False	
Work	Date: 9/1/2011	Work 7	Гуре: Subba	ise - Aggregat	e		Code:	SB-AG		Is Major M&R: False	
Work	Date: 9/2/2011	Work 7	Type: Base	Course - Crus	hed Aggregate	:	Code:	BA-CA		Is Major M&R: False	
Work	Date: 9/3/2011	Work 7	Гуре: Comp	olete Reconstru	uction - AC		Code:	CR-AC		Is Major M&R: True	
Last Ir	rsp. Date: 7/1/2	022	TotalSa	imples: 52		Surve	eyed: 6	5			
Condit	tions: PCI:	86									
Inspec	tion Comments:										
Sample	e Number: 01	Type:	R	Are	a:	6000.00 SqFt		PCI:	91		
_	e Comments:	Created by Inspection	on Schedule								
	L & T CR WEATHERING		L L	15.00 Ft 6000.00 Sc							
Sample	e Number: 06	Туре:	R	Are	-	6000.00 SqFt		PCI:	86		
Sample	e Comments:	Created by Inspection	on Schedule								
48	L & T CR		L	149.00 Ft							
	WEATHERING		L	6000.00 Sc							
Sample	e Number: 18	Type:	R	Are	a:	6000.00 SqFt		PCI:	82		
Sampl	e Comments:	Created by Inspection	on Schedule								
	L & T CR		L	100.00 Ft							
	L & T CR		L	150.00 Ft							
	WEATHERING		L	6000.00 Sc					0.4		
-	e Number: 28 e Comments:	Type: Created by Inspection	R on Schedule	Are	a:	6000.00 SqFt		PCI:	84		
_											
	L & T CR L & T CR		L L	105.00 Ft 100.00 Ft							
	WEATHERING		L L	6000.00 Ft							
	e Number: 35	Type:	R	Are	-	6000.00 SqFt		PCI:	86		
_	e Comments:	Created by Inspecti				1					
48	L & T CR		L	70.00 Ft							
	L & T CR		L	90.00 Ft							
	WEATHERING		L	6000.00 Sc	-						
-	e Number: 46	Type:	R	Are	a:	6000.00 SqFt		PCI:	89		
Sample	e Comments:	Created by Inspection	on Schedule								
	L & T CR		L	65.00 Ft							
57	WEATHERING		L	6000.00 Sc	լFt						

Network:	Joseph				Name:	Jose	ph State							
Branch:	TA1JO		Name:	Taxiwa	ny A1 Joseph		Use	: TA	XIWAY	Ar	ea:		7,492 SqFt	
Section:	01	O	f 1	From:	ГАЈО-02				To: R15J	Ю			Last Const.:	9/3/2011
Surface:	AC	Family:	2022_Easte ay_AC/AA	rn_Cat4_Taxiw	v Zone:	KJSY			Category:	O			Rank: P	
Area:		7,492 SqFt	Lengt	h:	177 Ft		Width:		30 F	t				
Slabs:		Slab Len	gth:	Ft	Slab	Width:			Ft		Joint Le	ength:	F	ît .
Shoulder:		Street Ty	pe:		Grad	e: 0					Lanes:	0		
Section Cor	mments:													
Work Date	: 9/1/1996	W	ork Type: B	ase Course - Ag	ggregate			Code:	BA-AG		Is N	1ajor N	1&R: True	
Work Date	: 9/2/1996	W	ork Type: Co	omplete Recon	struction - AC	<u>,</u>		Code:	CR-AC		Is N	1ajor N	1&R: True	
Work Date	: 9/1/2011	W	ork Type: St	ıbbase - Aggre	gate			Code:	SB-AG		Is N	1ajor N	1&R: False	
Work Date	: 9/2/2011	W	ork Type: B	ase Course - Cr	rushed Aggreg	gate		Code:	BA-CA		Is N	1ajor N	1&R: False	
Work Date	: 9/3/2011	W	ork Type: C	omplete Recons	struction - AC	;		Code:	CR-AC		Is N	1ajor N	1&R: True	
Last Insp. I Conditions: Inspection (: PCI:	94	Tota	alSamples: 2	2		Surve	yed: 2	2					
Sample Nu	mber: 01	Тур	e: R	A	rea:	3719	0.00 SqFt		PCI:	94				
Sample Co	mments:	Created by Ins	pection Sched	lule										
57 WE	ATHERING	ì	L	3719.00	SqFt									
Sample Nu	mber: 02	Тур	e: R	A	rea:	3772	2.00 SqFt		PCI:	94				
Sample Cor		Created by Ins			ica.	3112	oo sqrt		101.) 1				

WEATHERING

57

L 3772.00 SqFt

Name	Network:	Joseph				Name:	Jose	ph State					
Surface: AC Family: 2022_Eastern Cat4_Taxiw Zone: KJSY Category: O Rank: P	Branch:	TA2JO		Name:	Taxiwa	y A2 Jose	eph	Use:	TAXIW	AY	Area:	8,565 SqFt	
Area: 8,565 SqFt Length: 183 Ft Width: 30 Ft	Section: 01		0	f 1	From:	ГАЈО-02			To:	R15JO		Last Const.	: 9/30/2003
Slab Length: Ft Slab Width: Ft Joint Length: Ft Shoulder: Street Type: Grade: 0 Lanes: 0	Surface: A	С	Family:	_		Zone:	KJSY		Cate	gory: O		Rank: P	
Shoulder: Street Type: Grade: 0 Lanes: 0	Area:		8,565 SqFt	Length	:	183 Ft		Width:		30 Ft			
Section Comments: Work Date: 9/29/2003 Work Type: Base Course - Aggregate Code: BA-AG Is Major M&R: True	Slabs:		Slab Ler	ngth:	Ft	S	lab Width:		Ft		Joint Length	:	Ft
Work Date: 9/29/2003 Work Type: Base Course - Aggregate Code: BA-AG Is Major M&R: True Work Date: 9/30/2003 Work Type: New Construction - AC Code: NC-AC Is Major M&R: True Work Date: 9/1/2015 Work Type: Crack Sealing - AC Code: CS-AC Is Major M&R: False Last Insp. Date: 7/1/2022 TotalSamples: 2 Surveyed: 2 Conditions: PCI: 71 Inspection Comments: PCI: 71 Sample Number: 01 Type: R Area: 4545.00 SqFt PCI: 71 Sample Comments: Created by Inspection Schedule M 197.00 Ft M 4545.00 SqFt	Shoulder:		Street T	ype:		G	rade: 0				Lanes: 0		
Work Date: 9/30/2003 Work Type: New Construction - AC Code: NC-AC Is Major M&R: True	Section Comr	ments:											
Work Date: 9/1/2015 Work Type: Crack Sealing - AC Code: CS-AC Is Major M&R: False Last Insp. Date: 7/1/2022 TotalSamples: 2 Surveyed: 2 Conditions: PCI: 71 Inspection Comments: Sample Number: 01 Type: R Area: 4545.00 SqFt PCI: 71 Sample Comments: Created by Inspection Schedule 48 L & T CR M 197.00 Ft 57 WEATHERING M 4545.00 SqFt	Work Date:	9/29/2003	W	ork Type: Bas	se Course - Ag	ggregate		-	Code: BA	-AG	Is Major	M&R: True	
Last Insp. Date: 7/1/2022	Work Date:	9/30/2003	W	ork Type: Ne	w Construction	n - AC			Code: NC	-AC	Is Major	M&R: True	
Conditions: PCI: 71 Inspection Comments: Sample Number: 01 Type: R Area: 4545.00 SqFt PCI: 71 Sample Comments: Created by Inspection Schedule 48 L & T CR M 197.00 Ft 57 WEATHERING M 4545.00 SqFt	Work Date:	9/1/2015	W	ork Type: Cra	nck Sealing - A	АC			Code: CS-	AC	Is Major	M&R: False	
Inspection Comments: Sample Number: 01 Type: R Area: 4545.00 SqFt PCI: 71 Sample Comments: Created by Inspection Schedule 48 L & T CR M 197.00 Ft 57 WEATHERING M 4545.00 SqFt	Last Insp. Da	ite: 7/1/2	2022	Total	Samples: 2	2		Surve	yed: 2				
Sample Number: 01 Type: R Area: 4545.00 SqFt PCI: 71 Sample Comments: Created by Inspection Schedule 48 L & T CR M 197.00 Ft 57 WEATHERING M 4545.00 SqFt	Conditions:	PCI:	71										
Sample Comments: Created by Inspection Schedule 48 L & T CR M 197.00 Ft 57 WEATHERING M 4545.00 SqFt	Inspection Co	omments:											
48 L & T CR M 197.00 Ft 57 WEATHERING M 4545.00 SqFt	Sample Numl	ber: 01	Туј	pe: R	A	rea:	4545	5.00 SqFt		PCI: 7	1		
57 WEATHERING M 4545.00 SqFt	Sample Comi	ments:	Created by Ins	spection Schedu	ıle								
	48 L & T	CR		M	197.00	Ft							
Sample Number: 02 Type: R Area: 4020.00 SqFt PCI: 70	57 WEAT	THERING		M	4545.00	SqFt							
	Sample Numl	ber: 02	Tyj	pe: R	A	rea:	4020	0.00 SqFt		PCI: 70)		

48

57

L & T CR

WEATHERING

M

M

194.00 Ft

4020.00 SqFt

Network: Joseph			Namo	e: Jose	eph State							
Branch: TA3JO		Name:	Taxiway A3 Jo	seph	Use:	TAX	KIWAY	Are	ea:	8,56	5 SqFt	
Section: 01	of	1 F	rom: TAJO-02	2		7	To: R15J	0		Las	st Const.:	9/30/2003
Surface: AC		2022_Eastern_0 ay_AC/AAC	Cat4_Taxiw Zone	: KJSY		(Category:	О		Ra	nk: P	
Area:	8,565 SqFt	Length:	183 Ft		Width:		30 Ft					
Slabs:	Slab Leng	th:	Ft	Slab Width:		F	² t		Joint Lengt	h:	F	't
Shoulder:	Street Typ	oe:		Grade: 0					Lanes:	0		
Section Comments:												
Work Date: 9/29/200	Wor	rk Type: Base	Course - Aggregate	:	C	Code:	BA-AG		Is Majo	or M&R	: True	
Work Date: 9/30/200	Woi	rk Type: New 0	Construction - AC		C	Code:	NC-AC		Is Majo	or M&R	: True	
Work Date: 9/1/2015	Woi	rk Type: Crack	Sealing - AC		(Code:	CS-AC		Is Majo	or M&R	: False	
Last Insp. Date: 7/1		TotalSa	mples: 2		Survey	ed: 2						
Conditions: PCI:	70											
Inspection Comments	S:											
Sample Number: 01	Type	: R	Area:	454:	5.00 SqFt		PCI:	74				
Sample Comments:	Created by Inspe	ection Schedule										
48 L & T CR		M	60.00 Ft									
48 L & T CR		M	68.00 Ft									
48 L & T CR		M	20.00 Ft									
57 WEATHERING	G	M	4545.00 SqFt									
Sample Number: 02	2 Type	: R	Area:	4020	0.00 SqFt		PCI:	66				
Sample Comments:	Created by Inspe	ection Schedule										
48 L & T CR		L	15.00 Ft									
48 L & T CR		M	107.00 Ft									
40 I 0 T CD		3.6	121 00 E									

131.00 Ft

4020.00 SqFt

M

M

48

57

L & T CR

WEATHERING

Network:	Joseph						Name:	Jose	ph State							
Branch:	TA4JO			Name	: Ta	xiway 1	A4 Joseph	<u>l</u>	Use	: TA	XIWAY	A	rea:	7,	785 SqFt	
Section: 0	1		of 1		From:	TA	JO-02				To: R15J	О		I	Last Const.	: 9/3/2011
Surface: A	AC .	Family		2_Easte AC/AA	ern_Cat4_T .C	axiw	Zone:	KJSY			Category:	O		F	Rank: P	
Area:		7,785 SqFt		Leng	th:	1	82 Ft		Width:		30 F	t				
Slabs:		Slab I	ength:			Ft	Slab	Width:			Ft		Joint Leng	gth:]	Ft
Shoulder:		Street	Type:				Gra	de: 0					Lanes:	0		
Section Com	ments:															
Work Date:	9/1/1996		Work T	Type: E	Base Course	e - Aggr	egate			Code:	BA-AG		Is Maj	or M&	R: True	
Work Date:	9/2/1996		Work T	Type: C	Complete R	econstru	uction - A	С		Code:	CR-AC		Is Maj	or M&	R: True	
Work Date:	9/1/1999		Work T	Type: S	urface Trea	atment -	- Slurry Se	eal		Code:	ST-SS		Is Maj	or M&	R: False	
Work Date:	9/1/2011		Work T	Type: S	ubbase - A	ggregat	e			Code:	SB-AG		Is Maj	or M&	R: False	
Work Date:	9/2/2011		Work T	Type: E	Base Course	e - Crusl	hed Aggre	egate		Code:	BA-CA		Is Maj	or M&	R: False	
Work Date:	9/3/2011		Work T	Type: C	Complete R	econstru	uction - A	С		Code:	CR-AC		Is Maj	or M&	R: True	
Last Insp. Da	ate: 7/1/2	2022		Tot	talSamples	: 2			Surv	eyed: 2	2					
Conditions:	PCI:	89														
Inspection C	comments:															
Sample Num	iber: 01	7	ype:	R		Area	a:	3982	2.00 SqFt		PCI:	94				
Sample Com	nments:	Created by	nspectio	on Sche	dule											
57 WEA	THERING	ł]	L	3982	.00 Sc	_l Ft									
Sample Num	iber: 02	7	ype:	R		Are	a:	3802	2.00 SqFt		PCI:	85				
Sample Com	nments:	Created by	nspectio	on Sche	dule											

31.00 Ft 3802.00 SqFt

M L

L & T CR WEATHERING

48 57

Network:	Joseph				Name:	Jose	eph State					
Branch:	TA5JO		Name:	Taxiway	A5 Joseph	1	Use:	TAXIWA	Y	Area:	6,462 SqFt	
Section: 01		o	f 1 F	rom: T	AJO-03			To:	R15JO		Last Const.:	9/3/2011
Surface: AC		Family:	2022_Eastern_C ay_AC/AAC	Cat4_Taxiw	Zone:	KJSY		Categ	ory: O		Rank: P	
Area:		6,462 SqFt	Length:		180 Ft		Width:		30 Ft			
Slabs:		Slab Lei	ngth:	Ft	Slab	Width:		Ft		Joint Length:	F	t
Shoulder:		Street T	ype:		Gra	de: 0				Lanes: 0		
Section Comm	nents:											
Work Date: 9	9/1/1996	W	ork Type: Base (Course - Ag	gregate		C	ode: BA-A	ΔG	Is Major	M&R: True	
Work Date: 9	9/2/1996	W	ork Type: Comp	lete Recons	truction - A	C	C	ode: CR-A	vC	Is Major	M&R: True	
Work Date: 9	9/1/1999	W	ork Type: Surfac	e Treatmen	t - Slurry S	eal	C	ode: ST-S	S	Is Major	M&R: False	
Work Date: 9	9/1/2011	W	ork Type: Subba	se - Aggreg	ate		C	ode: SB-A	.G	Is Major	M&R: False	
Work Date: 9	9/2/2011	W	ork Type: Base (Course - Cru	shed Aggre	egate	C	ode: BA-C	CA	Is Major	M&R: False	
Work Date: 9	9/3/2011	W	ork Type: Comp	lete Recons	truction - A	C	C	ode: CR-A	vC	Is Major	M&R: True	
Last Insp. Dat	te: 7/1/2	022	TotalSa	mples: 1			Surveye	d: 1				
Conditions: Inspection Co		94										
Sample Numb	er: 01	Ty	pe: R	Ar	ea:	646	2.00 SqFt	I	PCI: 94			

Sample Number: 01 T

1ypc. R Area. 0402.00 Sqrt

Sample Comments: Created by Inspection Schedule

57 WEATHERING L 6462.00 SqFt

Network:	Joseph					Nar	ne:	Jose	ph State								
Branch:	TAJO			Name:	Tax	iway A Jo	seph		Use	e: TA	AXIWA	ΛY	Area:	:	156,380) SqFt	
)1 AC	Family	of 3	2_Eastern AC/AAC	From: _Cat4_Ta:	A01JO xiw Zon		KJSY				TAJO-0	2			t Const.: ik: P	9/3/201
Area:		25,802 SqFt		Length:	:	980 I	₹t		Width:			25 Ft					
Slabs:		Slab L	ength:		F	₹t	Slab '	Width:			Ft			Joint Leng	th:	F	t
Shoulder:		Street	Type:				Grad	e: 0]	Lanes:	0		
Section Con	nments:																
Work Date:	9/1/1967	7	Work T	ype: Bas	e Course -	Aggregat	te			Code:	BA-	AG		Is Majo	or M&R:	True	
Work Date:	9/2/1967	,	Work T	ype: Nev	v Construc	ction - AC	;			Code:	NC-	AC		Is Majo	or M&R:	True	
Work Date:	9/1/1983	,	Work T	ype: Cra	ck Sealing	; - AC				Code:	CS-A	лС		Is Majo	or M&R:	False	
Work Date:	9/1/1985	,	Work T	ype: Bre	ak and Sea	ıt				Code:	BS-S	SE .		Is Majo	or M&R:	False	
Work Date:	9/1/1998	,	Work T	ype: Ove	erlay - AC	Thin				Code:	OL-A	AT		Is Majo	or M&R:	True	
Work Date:	9/1/2011	,	Work T	ype: Sub	base - Agg	gregate				Code:	SB-A	\ G		Is Majo	or M&R:	False	
Work Date:	9/2/2011	,	Work T	ype: Bas	e Course -	Crushed	Aggreg	ate		Code:	BA-0	CA		Is Majo	or M&R:	False	
Work Date:	9/3/2011	,	Work T	ype: Cor	nplete Rec	onstruction	on - AC			Code:	CR-A	AC		Is Majo	or M&R:	True	
Last Insp. D	Pate: 7/1/	2022		Total	Samples:	5			Surv	eyed:	3						
Conditions:	PCI:	94															
Inspection (Comments	:															
Sample Nun	nber: 01	Т	ype:	R		Area:		5213	3.00 SqFt]	PCI: 9	4				
Sample Con	nments:	Created by I	nspectio	n Schedu	le												
57 WEA	ATHERING	ĵ	I		5213.0	0 SqFt											
Sample Nun	nber: 02	Т	ype:	R		Area:		5000	0.00 SqFt]	PCI: 9	4				
Sample Con	nments:	Created by I	nspectio	n Schedu	le												
57 WEA	ATHERING	ĵ	I		5000.0	00 SqFt											

57 WEATHERING L 5379.00 SqFt

Network:	Joseph				Name:	Jose	eph State						
Branch:	TAJO		Name:	Taxiway	A Joseph		Use:	TAXIW	/AY	Area:	156,	380 SqFt	
Section: 03	3	C	of 3	From: T	A4JO			To:	TA5JO		I	ast Const.:	9/3/2011
Surface: A	С	Family:	2022_Eastern ay_AC/AAC	_Cat4_Taxiw	Zone:	KJSY		Cate	egory: O		F	Rank: P	
Area:		6,790 SqFt	Length:	:	250 Ft		Width:		30 Ft				
Slabs:		Slab Lei	ngth:	Ft	Sla	b Width:		Ft		Joint L	ength:	F	t
Shoulder:		Street T	ype:		Gra	ade: 0				Lanes:	0		
Section Com	ments:												
Work Date:	9/1/1996	W	ork Type: Bas	e Course - Ag	gregate		C	ode: BA	-AG	Is l	Major M&	R: True	
Work Date:	9/2/1996	W	ork Type: Con	nplete Recons	truction - A	AC .	C	ode: CR	-AC	Is l	Major M&	R: True	
Work Date:	9/1/1999	W	ork Type: Sur	face Treatmen	t - Slurry S	Seal	C	ode: ST-	-SS	Is l	Major M&	R: False	
Work Date:	9/1/2011	W	ork Type: Sub	base - Aggreg	ate		C	ode: SB	-AG	Is l	Major M&	R: False	
Work Date:	9/2/2011	W	ork Type: Bas	e Course - Cru	shed Aggr	regate	C	ode: BA	-CA	Is	Major M&	R: False	
Work Date:	9/3/2011	W	ork Type: Con	nplete Recons	truction - A	AC	C	ode: CR	-AC	Is	Major M&	R: True	
Last Insp. Da	nte: 7/1/2	2022	Totals	Samples: 1			Surveye	e d: 1					
Conditions:	PCI:	90											
Inspection Co	omments:	:											
Sample Num	ber: 01	Ty	pe: R	Ar	ea:	679	0.00 SqFt		PCI: 90)			
Sample Com	ments:	Created by Ins	spection Schedu	le									

L & T CR WEATHERING

48 57 L L 30.00 Ft 6790.00 SqFt

Netw	ork: Joseph			Nam	e: Jose	ph State						
Bran	ch: TAJO		Name:	Taxiway A Jos	eph	Use:	TAXIWA	·Υ	Area:	1:	56,380 SqFt	
Section	on: 02	of 3]	From: A03JO-0	02		To:	TA4JO			Last Const.:	9/30/2003
Surfa	ce: AC		22_Eastern_ _AC/AAC	Cat4_Taxiw Zone	e: KJSY		Categ	ory: O			Rank: P	
Area	: 123	,788 SqFt	Length:	4,912 Ft	t	Width:		25 Ft				
Slabs	:	Slab Length	:	Ft	Slab Width:		Ft		Joi	nt Length:	F	t
Shoul	lder:	Street Type:			Grade: 0				Lai	nes: 0		
Section	on Comments:											
Work	Date: 9/29/2003	Work	Type: Base	Course - Aggregate	:	(Code: BA-A	AG		Is Major N	1&R: True	
Work	Date: 9/30/2003	Work	Type: New	Construction - AC		(Code: NC-A	AC		Is Major N	1&R: True	
Work	Date: 9/1/2015	Work	Type: Cracl	k Sealing - AC		•	Code: CS-A	ıC		Is Major N	1&R: False	
Last	Insp. Date: 7/1/202	22	TotalS	amples: 25		Survey	y ed: 5					
Cond	itions: PCI: 6	9										
Inspe	ction Comments:											
Samp	ole Number: 03	Type:	R	Area:	5000	0.00 SqFt	I	PCI: 75				
Samp	ole Comments:	Created by Inspect	ion Schedule	e								
48	L & T CR		M	100.00 Ft								
48	L & T CR		M	25.00 Ft								
57	WEATHERING		M	5000.00 SqFt								
_	ole Number: 09	Type:	R	Area:	5000	0.00 SqFt	I	PCI: 63				
Samp	ole Comments:	Created by Inspect	ion Schedule	е								
41	ALLIGATOR CR		M	4.00 SqFt								
41	ALLIGATOR CR		M	4.00 SqFt								
48	L & T CR		M	75.00 Ft								
48	L & T CR		M	200.00 Ft								
57	WEATHERING		M	5000.00 SqFt	500) 00 G E		NOT 65				
_	ole Number: 14	Type:	R	Area:	5000	0.00 SqFt	1	PCI: 65				
Samp	ole Comments:	Created by Inspect	ion Schedule	2								
48	L & T CR		M	200.00 Ft								
48	L & T CR		M	13.00 Ft								
48	L & T CR		M	75.00 Ft								
48	L & T CR		M	50.00 Ft								
57	WEATHERING		M	5000.00 SqFt								
_	ole Number: 18	Type:	R	Area:	5000	0.00 SqFt	I	PCI: 74				
•		Created by Inspect										
48 48	L & T CR L & T CR		M M	75.00 Ft 15.00 Ft								
48 48			M M	75.00 Ft								
48 57	L & T CR WEATHERING		M	5000.00 SqFt								
	ole Number: 23	Туре:	R	Area:	5000	0.00 SqFt	ı	PCI: 66				
_		Created by Inspect			2000	2 41 t	•					
48	L & T CR		M	115.00 Ft								
48	L & T CR		M	200.00 Ft								
57	WEATHERING		M	5000.00 SqFt								
				=								



APPENDIX F

Work History Report

Page 1 of 4

Pavement Database: ODA_WOC3_4-10-2023_PostWHEdits_4PM

1 (CC WOTE)	Joseph Sta	te Branch: A01J0) Apron	01 Joseph	Section:	01 Surface:AC	
L.C.D. 9/3/2	011 Us	se: APRON Rank: P	Length: 205	.00 (Ft) Wid	dth: 164.0	0 (Ft) True Area: 30902.00001 (S	qFt
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments	
9/3/2011	CR-AC	Complete Reconstruction - AC	0.00	2.50	>	P-401	
9/2/2011	BA-CA	Base Course - Crushed Aggregate	0.00	4.00		P-209	
9/1/2011	SB-AG	Subbase - Aggregate	0.00	9.00		P-154	
9/1/1998	OL-AT	Overlay - AC Thin	0.00	2.00	V		
9/1/1985	CS-AC	Crack Sealing - AC	0.00	0.10			
9/1/1983	CS-AC	Crack Sealing - AC	0.00	0.10			
1/2/1967	NC-AC	New Construction - AC	0.00	1.50			
1/1/1967	BA-AG	Base Course - Aggregate	0.00	5.00			
							=
Network:	Joseph Sta	te Branch: A02J0) Apron	02 Joseph	Section:	O1 Surface:AC	
L.C.D. 9/3/2	011 Us	se: APRON Rank: P	Length: 520	.00 (Ft) Wid	dth: 50.0	0 (Ft) True Area: 25724.00000 (S	qFt
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments	
9/3/2011	CR-AC	Complete Reconstruction - AC	0.00	2.50	<	P-401	
9/2/2011	BA-CA	Base Course - Crushed Aggregate	0.00	4.00		P-209	
9/1/2011	SB-AG	Subbase - Aggregate	0.00	9.00		P-154	
9/2/1998	NC-AC	New Construction - AC	0.00	2.00	~		
9/1/1998	BA-AG	Base Course - Aggregate	0.00	6.00	Y		
N. d. a. d.	Ioganh Cta	te Branch: A03J0	Amnon	03 Joseph	Section:	01 Surface:AC	
	JUSCPII Sta				Section.	oi suitace.AC	
Network:	-		_	-	14h. 19 0	0 (Et) True Area: 2661 000000 (S	αEt
L.C.D. 8/1/2	-	se: APRON Rank: S	Length: 152	.00 (Ft) Wic	dth: 18.00	0 (Ft) True Area: 2661.000000 (S	qFt
L.C.D. 8/1/2 Work Date	002 Us Work Code	we: APRON Rank: S Work Description	Length: 152	.00 (Ft) Wid Thickness (in)		Comments	qFt
L.C.D. 8/1/2 Work Date 9/1/2015	002 Us Work Code CS-AC	Work Description Crack Sealing - AC	Cost 0.00	Thickness (in)	Major M&R	Comments PMP 2015	qFt
L.C.D. 8/1/2 Work Date	002 Us Work Code	we: APRON Rank: S Work Description	Length: 152	.00 (Ft) Wid Thickness (in)	Major	Comments	qFt
Work Date 9/1/2015 8/1/2002	Work Code CS-AC NC-AC	Work Description Crack Sealing - AC New Construction - AC	Cost 0.00 0.00	.00 (Ft) Wickness (in) 0.00 0.00	Major M&R	Comments PMP 2015 Unknown date and thickness	qFt
L.C.D. 8/1/2 Work Date 9/1/2015	Work Code CS-AC NC-AC	Work Description Crack Sealing - AC New Construction - AC te Branch: A03JC	Cost 0.00 0.00 Apron	.00 (Ft) Wich Thickness (in) 0.00 0.00 0.00 03 Joseph	Major M&R	Comments PMP 2015 Unknown date and thickness 02 Surface:AC	
Work Date 9/1/2015 8/1/2002 Network: L.C.D. 8/1/20	Work Code CS-AC NC-AC Joseph Sta 002 Us Work	Work Description Crack Sealing - AC New Construction - AC te Branch: A03JC se: APRON Rank: S	Cost 0.00 0.00 Apron Length: 180	.00 (Ft) Wich Thickness (in) 0.00 0.00 0.00 0.00 0.00 Thickness	Major M&R	Comments PMP 2015 Unknown date and thickness 02 Surface:AC 0 (Ft) True Area: 11259.00000 (S	
Work Date 9/1/2015 8/1/2002 Network: L.C.D. 8/1/2 Work Date	Work Code CS-AC NC-AC Joseph Sta 002 Us Work Code	Work Description Crack Sealing - AC New Construction - AC te Branch: A03JG se: APRON Rank: S Work Description	Cost 0.00 0.00 Apron Length: 180 Cost	.00 (Ft) Wickness (in) 0.00 0.00 0.00 0.00 Wickness (in) Wickness (in)	Major M&R	Comments PMP 2015 Unknown date and thickness 02 Surface:AC 0 (Ft) True Area: 11259.00000 (S	
Work Date 9/1/2015 8/1/2002 Network: L.C.D. 8/1/2 Work Date 9/1/2015	Work Code CS-AC NC-AC Joseph Sta 002 Us Work Code CS-AC	Work Description Crack Sealing - AC New Construction - AC te Branch: A03JC se: APRON Rank: S Work Description Crack Sealing - AC	Cost 0.00 0.00 Apron Length: 180 Cost 0.00	.00 (Ft) Wich Thickness (in) 0.00 0.00 03 Joseph .00 (Ft) Wich Thickness (in) 0.00	Major M&R Section: dth: 120.00 Major M&R	Comments PMP 2015 Unknown date and thickness 02 Surface:AC 0 (Ft) True Area: 11259.00000 (Step 1) Comments PMP 2015	
Work Date 9/1/2015 8/1/2002 Network: L.C.D. 8/1/2 Work Date	Work Code CS-AC NC-AC Joseph Sta 002 Us Work Code	Work Description Crack Sealing - AC New Construction - AC te Branch: A03JG se: APRON Rank: S Work Description	Cost 0.00 0.00 Apron Length: 180 Cost	.00 (Ft) Wickness (in) 0.00 0.00 0.00 0.00 Wickness (in) Wickness (in)	Major M&R	Comments PMP 2015 Unknown date and thickness 02 Surface:AC 0 (Ft) True Area: 11259.00000 (S	
Work Date 9/1/2015 8/1/2002 Network: L.C.D. 8/1/2 Work Date 9/1/2015 8/1/2002	Work Code CS-AC NC-AC Joseph Sta 002 Us Work Code CS-AC NC-AC	Work Description Crack Sealing - AC New Construction - AC te Branch: A03JG se: APRON Rank: S Work Description Crack Sealing - AC New Construction - AC	Cost O.00 O.00 Apron Length: 180 Cost O.00 O.00 O.00 O.00 O.00 O.00	.00 (Ft) Wid Thickness (in) 0.00 0.00 03 Joseph .00 (Ft) Wid Thickness (in) 0.00 0.00	Major M&R Section: dth: 120.00 Major M&R	Comments PMP 2015 Unknown date and thickness 02 Surface:AC 0 (Ft) True Area: 11259.00000 (S Comments PMP 2015 Unknown date and thickness	
Work Date 9/1/2015 8/1/2002 Network: L.C.D. 8/1/2 Work Date 9/1/2015	Work Code CS-AC NC-AC Joseph Sta 002 Work Code CS-AC NC-AC	Work Description Crack Sealing - AC New Construction - AC te Branch: A03JC Rese: APRON Rank: S Work Description Crack Sealing - AC New Construction - AC te Branch: A03JC	Cost	.00 (Ft) Wich Thickness (in) 0.00 0.00 03 Joseph .00 (Ft) Wich Thickness (in) 0.00	Major M&R Section: dth: 120.00 Major M&R Section:	Comments PMP 2015 Unknown date and thickness 02 Surface:AC 0 (Ft) True Area: 11259.00000 (S Comments PMP 2015 Unknown date and thickness	qFt
Work Date 9/1/2015 8/1/2002 Network: L.C.D. 8/1/2 Work Date 9/1/2015 8/1/2002 Network:	Work Code CS-AC NC-AC Joseph Sta 002 Us Work Code CS-AC NC-AC Us Work Vork Vork Vork	Work Description Crack Sealing - AC New Construction - AC te Branch: A03JC se: APRON Rank: S Work Description Crack Sealing - AC New Construction - AC te Branch: A03JC	Cost	.00 (Ft) Wid Thickness (in) 0.00 0.00 03 Joseph .00 (Ft) Wid Thickness (in) 0.00 0.00 03 Joseph .00 (Ft) Wid Thickness (in) 0.100 Thickness (in) 0.100 Thickness (in)	Major M&R Section: dth: 120.00 Major M&R Section: dth: 70.00 Major	Comments PMP 2015 Unknown date and thickness 02 Surface:AC 0 (Ft) True Area: 11259.00000 (S Comments PMP 2015 Unknown date and thickness 03 Surface:PCC	qFt
Network: L.C.D. 8/1/20 Network: L.C.D. 8/1/2 Work Date 9/1/2015 8/1/2002 Network: L.C.D. 8/1/2 L.C.D. 8/1/2 Network:	Work Code CS-AC NC-AC Joseph Sta 002 Work Code CS-AC NC-AC	Work Description Crack Sealing - AC New Construction - AC te Branch: A03JG se: APRON Rank: S Work Description Crack Sealing - AC New Construction - AC te Branch: A03JG Rese: APRON Rank: S	Cost O.00 O.00 Apron Length: 180 Cost O.00 Apron Length: 60	.00 (Ft) Wid Thickness (in) 0.00 0.00 03 Joseph .00 (Ft) Wid Thickness (in) 0.00 0.00 03 Joseph .00 (Ft) Wid	Major M&R Section: dth: 120.00 Major M&R Section: dth: 70.00	Comments PMP 2015 Unknown date and thickness 02 Surface:AC 0 (Ft) True Area: 11259.00000 (S Comments PMP 2015 Unknown date and thickness 03 Surface:PCC 0 (Ft) True Area: 4200.000105 (S	dqFt

Page 2 of 4

Pavement Database: ODA_WOC3_4-10-2023_PostWHEdits_4PM

Network:	Joseph Sta	te Branch: R15JO	Runwa	ay 15/33 Jose	Section:	01		Surface:AC
L.C.D. 9/3/2	011 Us	se: RUNWAY Rank: P L	ength: 5,200	.00 (Ft) Wi o	dth: 60.0	0 (Ft)	True Area:	312000.0078 (SqFt
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R		Comn	nents
9/3/2011	CR-AC	Complete Reconstruction - AC	0.00	2.50	V :	P-401		
9/2/2011	BA-CA	Base Course - Crushed Aggregate	0.00	4.00		P-209		
9/1/2011	SB-AG	Subbase - Aggregate	0.00	9.00		P-154		
9/1/1999	ST-SS	Surface Treatment - Slurry Seal	0.00	0.50				
9/2/1996	CR-AC	Complete Reconstruction - AC	0.00	2.00				
9/1/1996	BA-AG	Base Course - Aggregate	0.00	6.00				
Network:	•			ay A1 Josep	Section:		T A	Surface:AC
L.C.D. 9/3/2		se: TAXIWAY Rank: P L	ength: 177	<u>`</u>		0 (Ft)	True Area:	7492 (SqFt
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R		Comn	nents
9/3/2011	CR-AC	Complete Reconstruction - AC	0.00	2.50	~ :	P-401		
9/2/2011	BA-CA	Base Course - Crushed Aggregate	0.00	4.00		P-209		
9/1/2011	SB-AG	Subbase - Aggregate	0.00	9.00		P-154		
9/2/1996	CR-AC	Complete Reconstruction - AC	0.00	2.00				
9/1/1996	BA-AG	Base Course - Aggregate	0.00	6.00				
Network:	Joseph Sta	te Branch: TA2JO	Taxiw	ay A2 Josep	Section:	01		Surface:AC
T C D 0/20/	2002 11		41 102	50 (E) XXII			m .	
L.C.D. 9/30/	2003 Us	se: TAXIWAY Rank: P L	ength: 182	.50 (Ft) Wie	dth: 30.0	0 (Ft)	True Area:	8565.000149 (SqFt
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	0 (Ft)	Comn	` 1
	Work	Work Description Crack Sealing - AC		Thickness	Major M&R	O (Ft) PMP 2	Comn	` 1
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major		Comn	` 1
Work Date 9/1/2015	Work Code CS-AC NC-AC	Work Description Crack Sealing - AC	Cost 0.00	Thickness (in)	Major M&R		Comn	` 1
Work Date 9/1/2015 9/30/2003 9/29/2003	Work Code CS-AC NC-AC BA-AG	Work Description Crack Sealing - AC New Construction - AC Base Course - Aggregate	Cost 0.00 0.00 0.00	Thickness (in) 0.00 2.00 6.00	Major M&R	PMP 2	Comn	nents
Work Date 9/1/2015 9/30/2003 9/29/2003 Network:	Work Code CS-AC NC-AC BA-AG	Work Description Crack Sealing - AC New Construction - AC Base Course - Aggregate te Branch: TA3JO	Cost 0.00 0.00 0.00 Taxiw	Thickness (in) 0.00 2.00 6.00 ay A3 Josep	Major M&R	PMP 2	Comn 2015	nents Surface:AC
Work Date 9/1/2015 9/30/2003 9/29/2003	Work Code CS-AC NC-AC BA-AG Joseph Sta 2003 Us	Work Description Crack Sealing - AC New Construction - AC Base Course - Aggregate te Branch: TA3JO	Cost 0.00 0.00 0.00 Taxiw	Thickness (in) 0.00 2.00 6.00 ay A3 Josep50 (Ft) Wid	Major M&R	PMP 2	Comn 2015	nents
Work Date 9/1/2015 9/30/2003 9/29/2003 Network:	Work Code CS-AC NC-AC BA-AG	Work Description Crack Sealing - AC New Construction - AC Base Course - Aggregate te Branch: TA3JO	Cost 0.00 0.00 0.00 Taxiw	Thickness (in) 0.00 2.00 6.00 ay A3 Josep	Major M&R	PMP 2	Comn 2015	Surface:AC 8565.000149 (SqFt
Work Date 9/1/2015 9/30/2003 9/29/2003 Network: L.C.D. 9/30/	Work Code CS-AC NC-AC BA-AG Joseph Sta 2003 Us Work Code CS-AC	Work Description Crack Sealing - AC New Construction - AC Base Course - Aggregate te Branch: TA3JO se: TAXIWAY Rank: P L	Cost 0.00 0.00 0.00 Taxiw. ength: 182	Thickness (in) 0.00 2.00 6.00 ay A3 Josep50 (Ft) Wid Thickness	Major M&R Section: dth: 30.00	PMP 2	Comn 2015 True Area: Comn	Surface:AC 8565.000149 (SqFt
Work Date 9/1/2015 9/30/2003 9/29/2003 Network: L.C.D. 9/30/ Work Date 9/1/2015 9/30/2003	Work Code CS-AC NC-AC BA-AG Joseph Sta 2003 Us Work Code CS-AC	Work Description Crack Sealing - AC New Construction - AC Base Course - Aggregate te Branch: TA3JO se: TAXIWAY Rank: P L Work Description	Cost 0.00 0.00 0.00 Taxiwength: 182 Cost	Thickness (in) 0.00 2.00 6.00 ay A3 Josep .50 (Ft) Wid Thickness (in)	Major M&R Section: dth: 30.00 Major M&R	PMP 2	Comn 2015 True Area: Comn	Surface:AC 8565.000149 (SqFt
Work Date 9/1/2015 9/30/2003 9/29/2003 Network: L.C.D. 9/30/ Work Date 9/1/2015	Work Code CS-AC NC-AC BA-AG Joseph Sta 2003 Us Work Code CS-AC NC-AC	Work Description Crack Sealing - AC New Construction - AC Base Course - Aggregate te Branch: TA3JO se: TAXIWAY Rank: P L Work Description Crack Sealing - AC	Cost 0.00 0.00 0.00 Taxiweength: 182 Cost 0.00	Thickness (in) 0.00 2.00 6.00 ay A3 Josep50 (Ft) Wid Thickness (in) 0.00	Major M&R Section: dth: 30.00 Major M&R	PMP 2	Comn 2015 True Area: Comn	Surface:AC 8565.000149 (SqFt
Work Date 9/1/2015 9/30/2003 9/29/2003 Network: L.C.D. 9/30/ Work Date 9/1/2015 9/30/2003 9/29/2003	Work Code CS-AC NC-AC BA-AG Joseph Sta 2003 Us Work Code CS-AC NC-AC BA-AG	Work Description Crack Sealing - AC New Construction - AC Base Course - Aggregate te Branch: TA3JO se: TAXIWAY Rank: P L Work Description Crack Sealing - AC New Construction - AC Base Course - Aggregate	Cost 0.00 0.00 0.00 Taxiwa ength: 182 Cost 0.00 0.00 0.00	Thickness (in) 0.00 2.00 6.00 ay A3 Josep50 (Ft) Wid Thickness (in) 0.00 2.00 6.00	Major M&R Section: dth: 30.00 Major M&R V	PMP 2 01 0 (Ft)	Comn 2015 True Area: Comn	Surface:AC 8565.000149 (SqFt
Work Date 9/1/2015 9/30/2003 9/29/2003 Network: L.C.D. 9/30/ Work Date 9/1/2015 9/30/2003 9/29/2003 Network:	Work Code CS-AC NC-AC BA-AG Joseph Sta 2003 Us Work Code CS-AC NC-AC BA-AG	Work Description Crack Sealing - AC New Construction - AC Base Course - Aggregate te Branch: TA3JO se: TAXIWAY Rank: P L Work Description Crack Sealing - AC New Construction - AC Base Course - Aggregate te Branch: TA4JO	Cost 0.00 0.00 0.00 Taxiw.ength: 182 Cost 0.00 0.00 0.00 Taxiw.	Thickness (in) 0.00 2.00 6.00 ay A3 Josep50 (Ft) Wid Thickness (in) 0.00 2.00 6.00 ay A4 Josep	Major M&R Section: dth: 30.00 Major M&R V Section:	PMP 2 01 0 (Ft) PMP 2	Comn 2015 True Area: Comn 2015	Surface:AC 8565.000149 (SqFt nents
Work Date 9/1/2015 9/30/2003 9/29/2003 Network: L.C.D. 9/30/ Work Date 9/1/2015 9/30/2003 9/29/2003 Network: L.C.D. 9/3/2	Work Code CS-AC NC-AC BA-AG Joseph Sta 2003 Us Work Code CS-AC NC-AC BA-AG Joseph Sta 011 Us Work	Work Description Crack Sealing - AC New Construction - AC Base Course - Aggregate te Branch: TA3JO se: TAXIWAY Rank: P L Work Description Crack Sealing - AC New Construction - AC Base Course - Aggregate te Branch: TA4JO se: TAXIWAY Rank: P L	Cost 0.00 0.00 0.00 Taxiw. ength: 182 Cost 0.00 0.00 0.00 Taxiw. ength: 181	Thickness (in) 0.00 2.00 6.00 ay A3 Josep .50 (Ft) Wid Thickness (in) 0.00 2.00 6.00 ay A4 Josep	Major M&R Section: dth: 30.00 Major M&R Section: dth: 30.00 Major	PMP 2 01 0 (Ft) PMP 2	Comn 2015 True Area: Comn 2015	Surface:AC 8565.000149 (SqFt nents Surface:AC 7785 (SqFt
Work Date 9/1/2015 9/30/2003 9/29/2003 Network: L.C.D. 9/30// Work Date 9/1/2015 9/30/2003 9/29/2003 Network: L.C.D. 9/3/2 Work Date	Work Code CS-AC NC-AC BA-AG Joseph Sta 2003 Us Work Code CS-AC NC-AC BA-AG Joseph Sta 011 Us Work Code	Work Description Crack Sealing - AC New Construction - AC Base Course - Aggregate te Branch: TA3JO se: TAXIWAY Rank: P L Work Description Crack Sealing - AC New Construction - AC Base Course - Aggregate te Branch: TA4JO se: TAXIWAY Rank: P L Work Description	Cost 0.00 0.00 0.00 Taxiwength: 182 Cost 0.00 0.00 Taxiwength: 181 Cost	Thickness (in) 0.00 2.00 6.00 ay A3 Josep .50 (Ft) Wid Thickness (in) 0.00 2.00 6.00 ay A4 Josep .50 (Ft) Wid Thickness (in)	Section: dth: 30.00 Major M&R Section: dth: 30.00 Major M&R Major M&R	PMP 2 01 0 (Ft) PMP 2	Comn 2015 True Area: Comn 2015	Surface:AC 8565.000149 (SqFt nents Surface:AC 7785 (SqFt
Work Date 9/1/2015 9/30/2003 9/29/2003 Network: L.C.D. 9/30/ Work Date 9/1/2015 9/30/2003 9/29/2003 Network: L.C.D. 9/3/2 Work Date 9/3/2011	Work Code CS-AC NC-AC BA-AG Joseph Sta 2003 Us Work Code CS-AC NC-AC BA-AG Joseph Sta 011 Us Work Code CR-AC	Work Description Crack Sealing - AC New Construction - AC Base Course - Aggregate te Branch: TA3JO se: TAXIWAY Rank: P L Work Description Crack Sealing - AC New Construction - AC Base Course - Aggregate te Branch: TA4JO se: TAXIWAY Rank: P L Work Description Complete Reconstruction - AC	Cost 0.00 0.00 0.00 Taxiw. ength: 182 Cost 0.00 0.00 Taxiw. ength: 181 Cost 0.00	Thickness (in) 0.00 2.00 6.00 ay A3 Josep50 (Ft) Wid Thickness (in) 0.00 2.00 6.00 ay A4 Josep50 (Ft) Wid Thickness (in) 2.50 (Ft) Wid	Major M&R Section: dth: 30.00 Major M&R Section: dth: 30.00 Major	PMP 2 01 0 (Ft) 01 0 (Ft) P-401	Comn 2015 True Area: Comn 2015	Surface:AC 8565.000149 (SqFt nents Surface:AC 7785 (SqFt
Work Date 9/1/2015 9/30/2003 9/29/2003 Network: L.C.D. 9/30// Work Date 9/1/2015 9/30/2003 9/29/2003 Network: L.C.D. 9/3/2 Work Date	Work Code CS-AC NC-AC BA-AG Joseph Sta 2003 Us Work Code CS-AC NC-AC BA-AG Joseph Sta 011 Us Work Code	Work Description Crack Sealing - AC New Construction - AC Base Course - Aggregate te Branch: TA3JO se: TAXIWAY Rank: P L Work Description Crack Sealing - AC New Construction - AC Base Course - Aggregate te Branch: TA4JO se: TAXIWAY Rank: P L Work Description Complete Reconstruction - AC Base Course - Crushed Aggregate	Cost 0.00 0.00 0.00 Taxiwength: 182 Cost 0.00 0.00 Taxiwength: 181 Cost	Thickness (in) 0.00 2.00 6.00 ay A3 Josep .50 (Ft) Wid Thickness (in) 0.00 2.00 6.00 ay A4 Josep .50 (Ft) Wid Thickness (in)	Section: dth: 30.00 Major M&R Section: dth: 30.00 Major M&R Major M&R	PMP 2 01 0 (Ft) PMP 2	Comn 2015 True Area: Comn 2015	Surface:AC 8565.000149 (SqFt nents Surface:AC 7785 (SqFt
Work Date 9/1/2015 9/30/2003 9/29/2003 Network: L.C.D. 9/30/ Work Date 9/1/2015 9/30/2003 9/29/2003 Network: L.C.D. 9/3/2 Work Date 9/3/2011	Work Code CS-AC NC-AC BA-AG Joseph Sta 2003 Us Work Code CS-AC NC-AC BA-AG Joseph Sta 011 Us Work Code CR-AC	Work Description Crack Sealing - AC New Construction - AC Base Course - Aggregate te Branch: TA3JO se: TAXIWAY Rank: P L Work Description Crack Sealing - AC New Construction - AC Base Course - Aggregate te Branch: TA4JO se: TAXIWAY Rank: P L Work Description Complete Reconstruction - AC Base Course - Crushed	Cost 0.00 0.00 0.00 Taxiw. ength: 182 Cost 0.00 0.00 Taxiw. ength: 181 Cost 0.00	Thickness (in) 0.00 2.00 6.00 ay A3 Josep50 (Ft) Wid Thickness (in) 0.00 2.00 6.00 ay A4 Josep50 (Ft) Wid Thickness (in) 2.50 (Ft) Wid	Section: dth: 30.00 Major M&R Section: dth: 30.00 Major M&R Major M&R	PMP 2 01 0 (Ft) 01 0 (Ft) P-401	Comn 2015 True Area: Comn 2015	Surface:AC 8565.000149 (SqFt nents Surface:AC 7785 (SqFt
Work Date 9/1/2015 9/30/2003 9/29/2003 Network: L.C.D. 9/30/ Work Date 9/1/2015 9/30/2003 Network: L.C.D. 9/3/2 Work Date 9/3/2011 9/2/2011	Work Code CS-AC NC-AC BA-AG Joseph Sta 2003 Us Work Code CS-AC NC-AC BA-AG Joseph Sta 011 Us Work Code CR-AC BA-CA	Work Description Crack Sealing - AC New Construction - AC Base Course - Aggregate te Branch: TA3JO se: TAXIWAY Rank: P L Work Description Crack Sealing - AC New Construction - AC Base Course - Aggregate te Branch: TA4JO se: TAXIWAY Rank: P L Work Description Complete Reconstruction - AC Base Course - Crushed Aggregate	Cost 0.00 0.00 0.00 Taxiw. ength: 182 Cost 0.00 0.00 Taxiw. ength: 181 Cost 0.00 0.00	Thickness (in) 0.00 2.00 6.00 ay A3 Josep50 (Ft) Wid Thickness (in) 0.00 2.00 6.00 ay A4 Josep50 (Ft) Wid Thickness (in) 2.50 (Ft) Wid Thickness (in)	Major M&R Section: dth: 30.00 Major M&R Section: dth: 30.00 Major M&R	PMP 2 01 0 (Ft) 01 0 (Ft) P-401 P-209	Comn 2015 True Area: Comn 2015	Surface:AC 8565.000149 (SqFt nents Surface:AC 7785 (SqFt
Work Date 9/1/2015 9/30/2003 9/29/2003 Network: L.C.D. 9/30/ Work Date 9/1/2015 9/30/2003 Network: L.C.D. 9/3/2 Work Date 9/3/2011 9/2/2011 9/1/2011	Work Code CS-AC NC-AC BA-AG Joseph Sta 2003 Us Work Code CS-AC NC-AC BA-AG Joseph Sta 011 Us Work Code CR-AC BA-CA SB-AG ST-SS CR-AC	Work Description Crack Sealing - AC New Construction - AC Base Course - Aggregate te Branch: TA3JO se: TAXIWAY Rank: P L Work Description Crack Sealing - AC New Construction - AC Base Course - Aggregate te Branch: TA4JO se: TAXIWAY Rank: P L Work Description Complete Reconstruction - AC Base Course - Crushed Aggregate Subbase - Aggregate	Cost 0.00 0.00 0.00 Taxiw. ength: 182 Cost 0.00 0.00 Taxiw. ength: 181 Cost 0.00 0.00 0.00 0.00	Thickness (in) 2.00 6.00 2.00 6.00 ay A3 Josep .50 (Ft) Wide Thickness (in) 0.00 2.00 6.00 ay A4 Josep .50 (Ft) Wide Thickness (in) 2.50 4.00 9.00 0.50 2.00	Major M&R Section: dth: 30.00 Major M&R Section: dth: 30.00 Major M&R	PMP 2 01 0 (Ft) 01 0 (Ft) P-401 P-209	Comn 2015 True Area: Comn 2015	Surface:AC 8565.000149 (SqFt nents Surface:AC 7785 (SqFt

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Pavement Database: ODA_WOC3_4-10-2023_PostWHEdits_4PM

Network:	Joseph Sta	te Branch: TA5JO	Taxiw	ay A5 Josep	Section:	01	Surface:AC
L.C.D. 9/3/20	011 Us	se: TAXIWAY Rank: P L	ength: 180	.00 (Ft) Wie	dth: 30.0	0 (Ft)	True Area: 6462.000001 (SqFt
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R		Comments
9/3/2011	CR-AC	Complete Reconstruction - AC	0.00	2.50	V	P-401	
9/2/2011	BA-CA	Base Course - Crushed	0.00	4.00		P-209	
9/1/2011	SB-AG	Aggregate Subbase - Aggregate	0.00	9.00		P-154	
9/1/1999	ST-SS	Surface Treatment - Slurry Seal	0.00	0.50		1 10.	
9/2/1996	CR-AC	Complete Reconstruction - AC	0.00	2.00			
9/1/1996	BA-AG	Base Course - Aggregate	0.00	6.00			
Network:	Joseph Sta	te Branch: TAJO	Taxiw	ay A Joseph	Section:	01	Surface: AC
L.C.D. 9/3/20	011 Us	se: TAXIWAY Rank: P L	ength: 980	.00 (Ft) Wie	dth: 25.0	0 (Ft)	True Area: 25802.00000 (SqFt
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R		Comments
9/3/2011	CR-AC	Complete Reconstruction - AC	0.00	2.50	V	P-401	
9/2/2011	BA-CA	Base Course - Crushed Aggregate	0.00	4.00		P-209	
9/1/2011	SB-AG	Subbase - Aggregate	0.00	9.00		P-154	
9/1/1998	OL-AT	Overlay - AC Thin	0.00	2.00			
9/1/1985	BS-SE	Break and Seat	0.00	0.00			
9/1/1983	CS-AC	Crack Sealing - AC	0.00	0.10			
9/2/1967	NC-AC	New Construction - AC	0.00	1.50	~		
9/1/1967	BA-AG	Base Course - Aggregate	0.00	5.00	Y		
Network:	Ioganh Sta	te Branch: TAJO	Toving	ay A Joseph	Section:	02	Surface:AC
L.C.D. 9/30/2			ength: 4,912				True Area: 123788.0000 (SqFt
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R		Comments
9/1/2015	CS-AC	Crack Sealing - AC	0.00	0.00		PMP 2	2015
9/30/2003	NC-AC	New Construction - AC	0.00	2.00			
9/29/2003	BA-AG	Base Course - Aggregate	0.00	6.00	~		
Network:	Iosenh Sta	te Branch: TAJO	Taxiw	ay A Joseph	Section:	03	Surface: AC
L.C.D. 9/3/20				.00 (Ft) Wi o			True Area: 6790.000000 (SqFt
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R		Comments
9/3/2011	CR-AC	Complete Reconstruction - AC	0.00	2.50	V	P-401	
9/2/2011	BA-CA	Base Course - Crushed Aggregate	0.00	4.00		P-209	
9/1/2011	SB-AG	Subbase - Aggregate	0.00	9.00		P-154	
9/1/1999	ST-SS	Surface Treatment - Slurry Seal	0.00	0.50			
9/2/1996	CR-AC	Complete Reconstruction - AC	0.00	2.00			
9/1/1996	BA-AG	Base Course - Aggregate	0.00	6.00			

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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	11	563,875.01	5.82	0.39
Base Course - Crushed Aggregate	8	422,957.01	4.00	0.00
Break and Seat	1	25,802.00	0.00	0.00
Complete Reconstruction - AC	13	763,486.02	2.31	0.24
Crack Sealing - AC	8	242,444.00	0.04	0.05
New Construction - AC	8	237,266.00	1.37	0.82
New Construction - PCC	1	4,200.00	0.00	0.00
Overlay - AC Thin	2	56,704.00	2.00	0.00
Subbase - Aggregate	8	422,957.01	9.00	0.00
Surface Treatment - Slurry Seal	4	333,037.01	0.50	0.00