2022 ODA Pavement Evaluation Program
Madras Municipal Airport

Madras, Oregon

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Prepared for

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TABLE OF CONTENTS

TABLES

FIGURES

APPENDICES

APPENDICES (continued)

Appendix F: Work History Report

1 OVERVIEW

GRI assisted with updating the Oregon Department of Aviation (ODA) airport pavement management system and developing a five-year plan for global maintenance and rehabilitation (M&R) and preservation work for the Madras Municipal Airport (Madras Airport) in Madras, 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 Madras 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

Madras Airport is located in Madras, Oregon, and is owned and operated by the City of Madras. The airport consists of one runway that serves a variety of general aviation aircraft as well as limited air taxi and wildland firefighting aircraft. The general location of the airport is shown on the Madras Airport Location Map, Figure 2.1.

Figure 2.1 – MADRAS AIRPORT LOCATION MAP

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

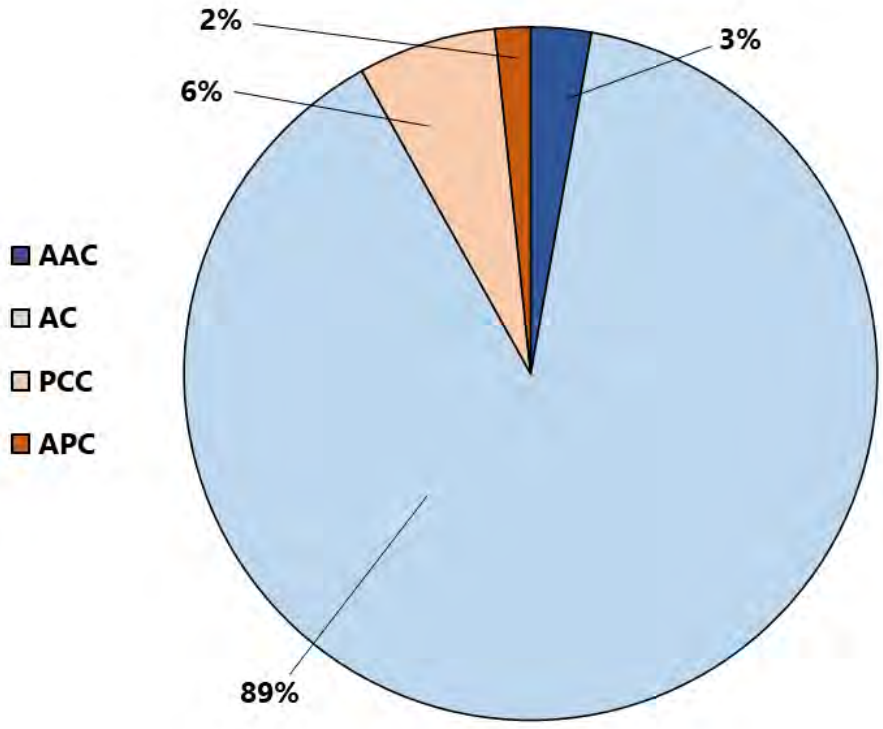


Figure 2.2 – MADRAS AIRPORT PERCENT OF PAVEMENT AREA BY SURFACE TYPE

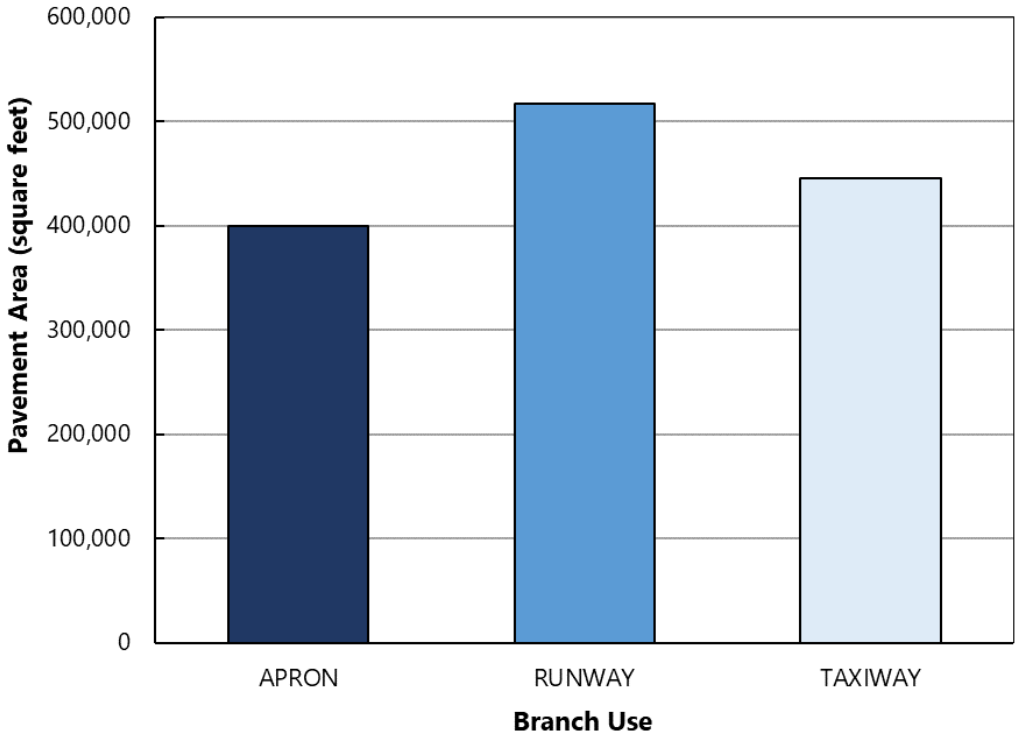
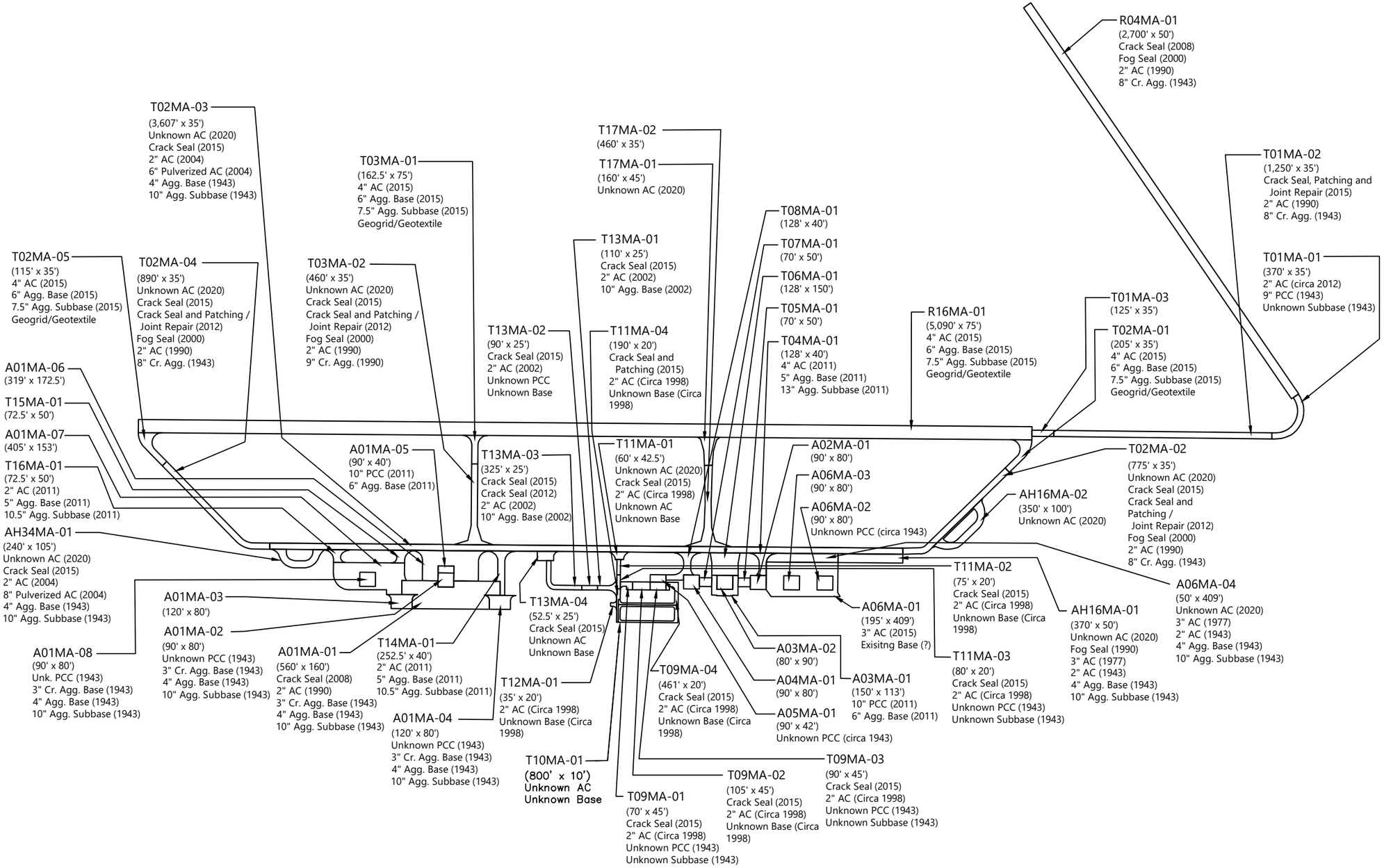


Figure 2.3 – MADRAS AIRPORT PAVEMENT AREA BY BRANCH USE



Abbreviations: AC = Asphalt Concrete; PCC = Portland Cement Concrete; Cr. = Crushed; Agg. = Aggregate

N

0 600 1,200 FEET

GRI

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STATEWIDE PAVEMENT EVALUATION PROGRAM

MADRAS AIRPORT
PAVEMENT INVENTORY

DEC. 2022 JOB NO. 6593-B FIG. 2.4

3 PAVEMENT CONDITION INSPECTION RESULTS

3.1 Introduction

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

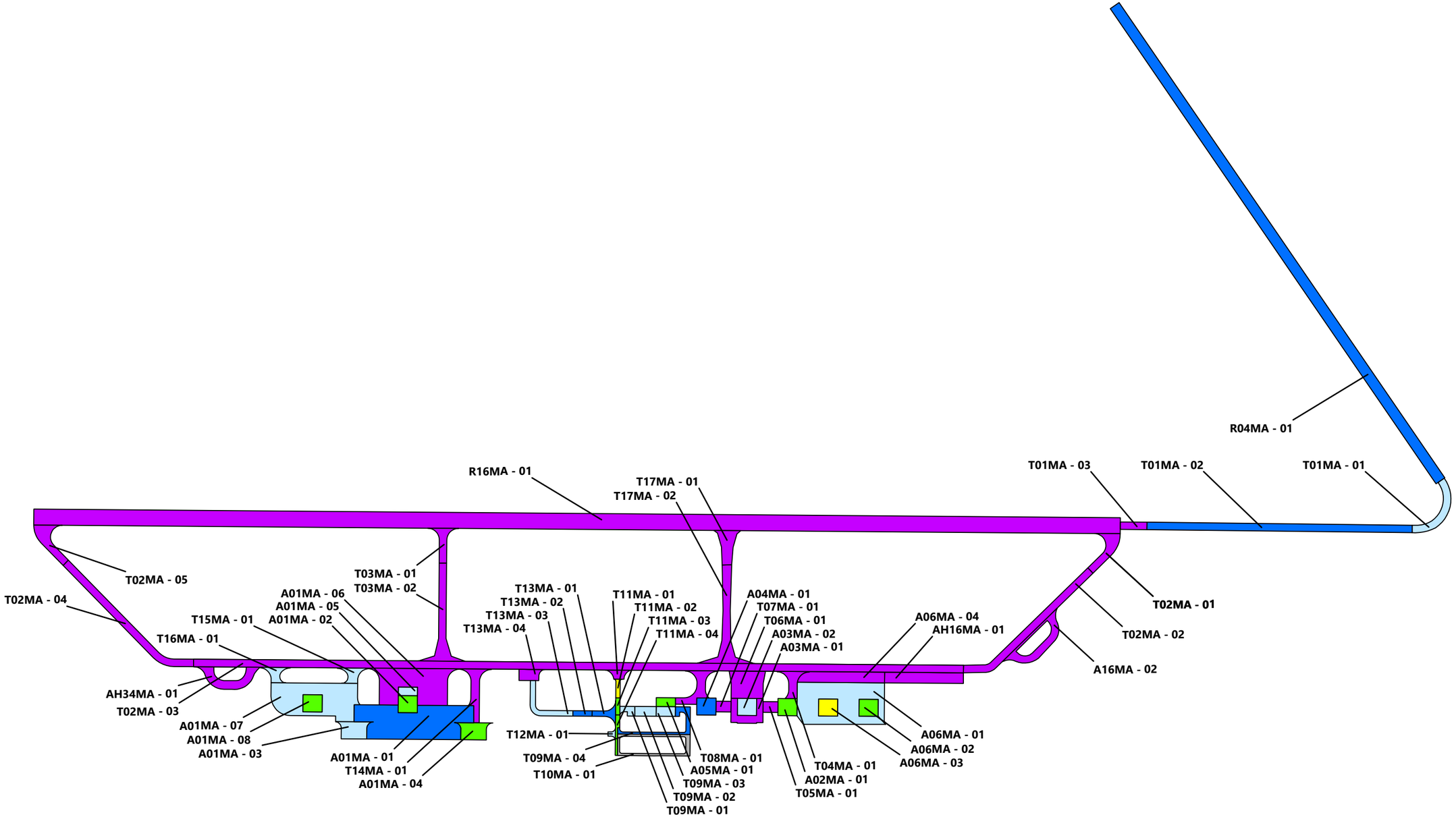
The PCI is based on the type, severity, and quantity of each distress found in an inspected sample unit. Further discussion of distress types for flexible and rigid pavement is provided in Appendix B and summarized in Table 1B.. The results of the PCI survey are displayed using a seven-category rating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

Table 3-1: ASTM PCI RATING SCALE

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

3.2 Pavement Condition Index Survey Results

The area-weighted average PCI for all airport pavements at Madras Airport is approximately 83. The section PCIs ranged from a low of 19 to a high of 100. The primary distresses observed during the inspection were weathering, longitudinal and transverse cracking, fatigue (alligator) cracking, joint reflective cracking and patching on AC-surfaced pavements, and spalling, shrinkage cracking, linear cracking and joint seal damage on PCC pavements. Section PCIs following our pavement survey are displayed below spatially on the 2022 PCI Survey Results, 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

N

0 500 1,000 Feet

OREGON DEPARTMENT OF AVIATION
STATEWIDE PAVEMENT EVALUATION PROGRAM

2022 PCI SURVEY RESULTS

MADRAS AIRPORT

DEC. 2022 JOB NO. 6593-B FIG. 3.1

The condition distribution of the network by the percent of total pavement area is provided on the Madras 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.

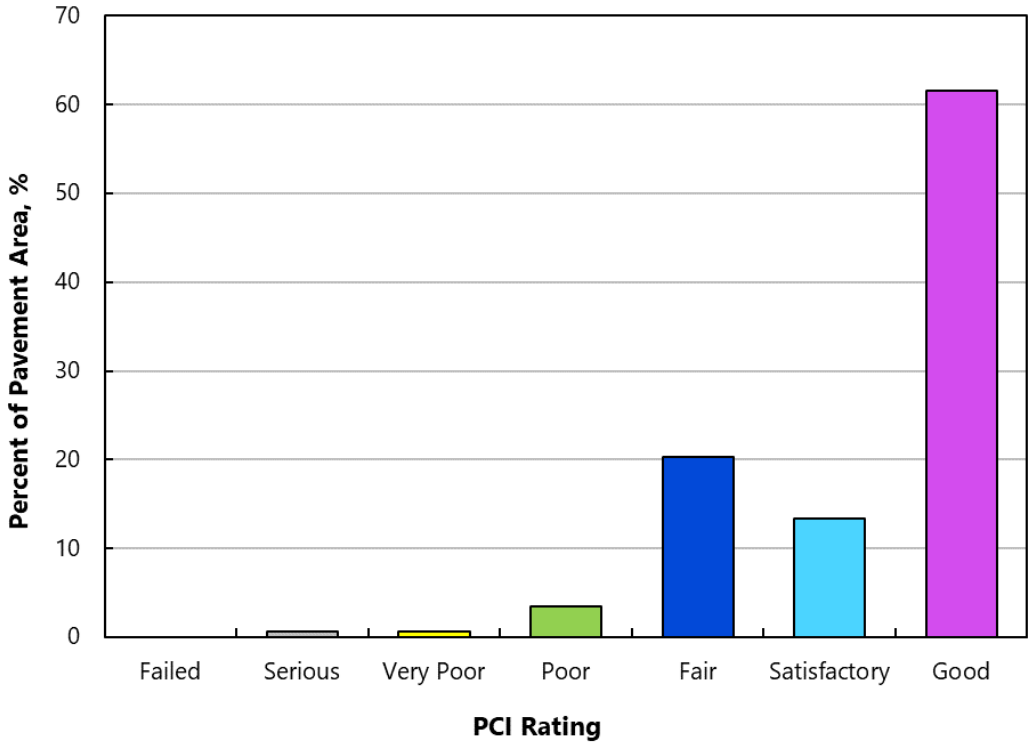


Figure 3.2 – MADRAS AIRPORT PAVEMENT CONDITION RATING BY PERCENT OF AREA

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 Madras Airport are displayed on Figures 1C through 5C 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 83 to a value of 71 in the year 2027

and 62 in year the 2032 if no maintenance or rehabilitation work is performed. The projected pavement condition in 5 years and 10 years for each pavement section at Madras Airport is displayed spatially on the Future Pavement Condition, Figure 4.1 and listed in Table 1C in Appendix C, along with the past and present PCI values for the pavement network.

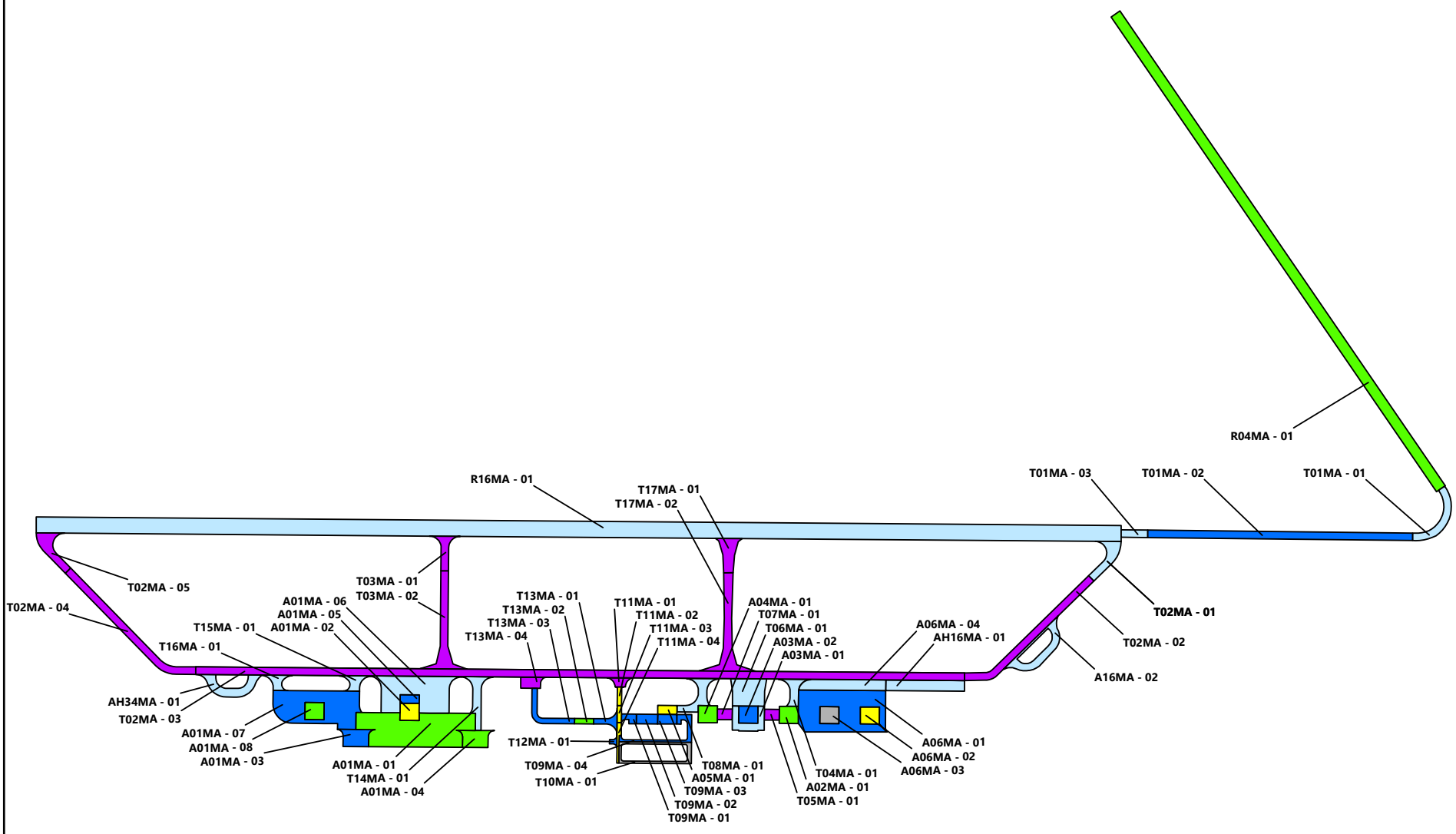
4.3 Functional Remaining Life

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

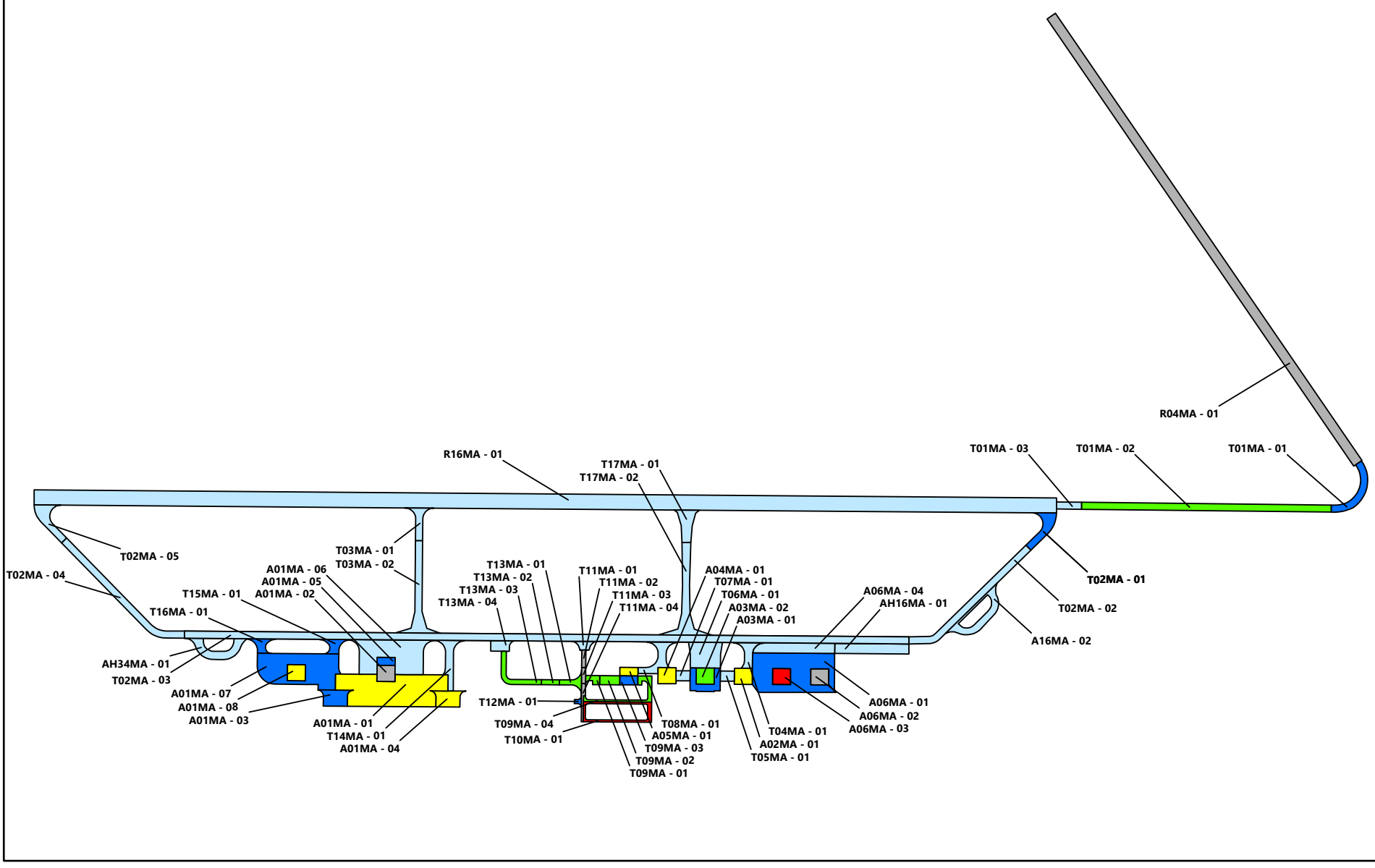
We calculated two forms of functional remaining life based on the current visual condition surveys of the pavement at Madras Airport. The first type of functional remaining life is the time until rehabilitation such as an overlay is needed. The critical PCI, further discussed in Section C.3 of Appendix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

PREDICTED CONDITION IN 2027



PREDICTED CONDITION IN 2032



SECTION PCI

- (86 - 100) GOOD
- (71 - 85) SATISFACTORY
- (56 - 70) FAIR
- (41 - 55) POOR
- (26 - 40) VERY POOR
- (11 - 25) SERIOUS
- (0 - 10) FAILED

N

0 700 1,400 FEET

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STATEWIDE PAVEMENT EVALUATION PROGRAM

FUTURE PAVEMENT CONDITION

MADRAS AIRPORT

DEC. 2022 JOB NO. 6593-B FIG. 4.1

5 MAINTENANCE AND REHABILITATION PROJECT RECOMMENDATIONS

5.1 Introduction

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

Based on the 2022 PCI-survey results, on the Madras Airport Pavement Network General Treatment Type Distribution Based on PCI, Figure 5.1 displays a breakdown of the Madras Airport network pavement condition by percent of area and general M&R treatment categories. Approximately 75%, 24%, and 1% of the area require preservation treatments, rehabilitation, and reconstruction, respectively.

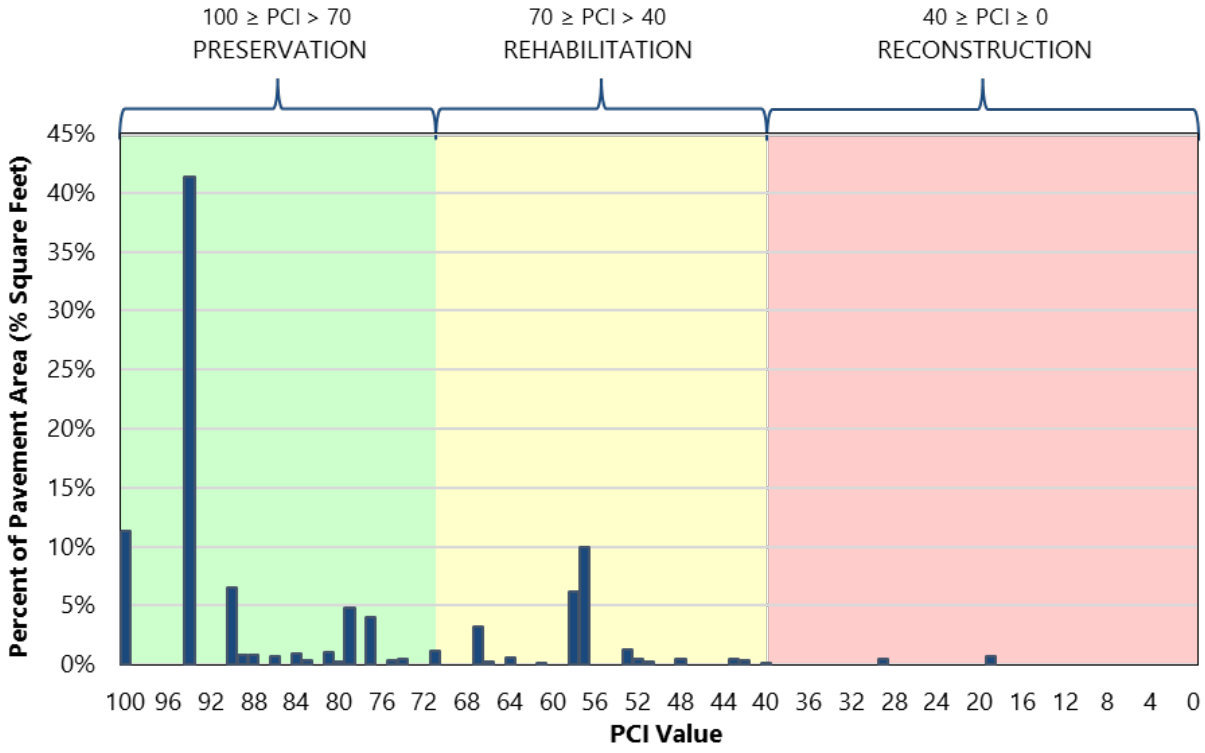


Figure 5.1 – MADRAS AIRPORT PAVEMENT NETWORK GENERAL TREATMENT TYPE DISTRIBUTION BASED ON PCI

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 the approximate total localized maintenance quantities is provided in Table 5-1 below.

Table 5-1: LOCALIZED MAINTENANCE QUANTITIES

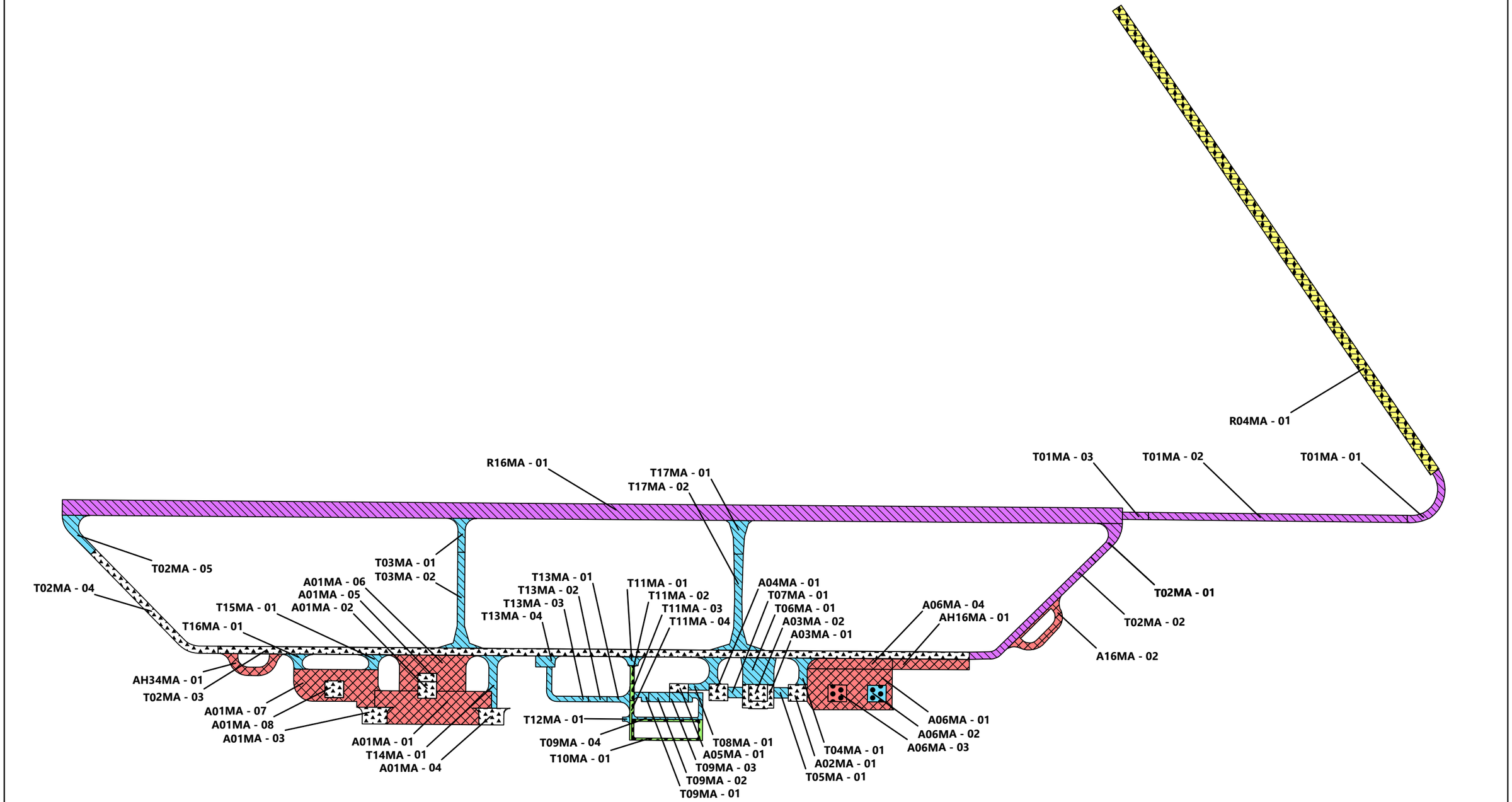
Localized Maintenance Operation	Approximate Quantity
Asphalt Concrete Crack Sealing	24,678 linear feet
Asphalt Concrete Wide Crack Sealing	108 linear feet
Portland Cement Concrete Crack Sealing	1,267 linear feet
Joint Sealing	4,103 linear feet
Asphalt Concrete Full-Depth Patching	2,981 square feet
Portland Cement Concrete Partial Depth Patching	546 square feet
Portland Cement Concrete Full Depth Patching	193 square feet

5.3 Global Maintenance and Rehabilitation Plan

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

Table 5-2: GLOBAL MAINTENANCE AND REHABILITATION QUANTITIES

Global Maintenance or Rehabilitation Operation	Quantity, square feet
Reconstruction	29,356
Overlay	134,997
Fog Seal	311,791
Slurry Seal	658,157



ACTION TIMING

- 2023
- 2024
- 2025
- 2026
- 2027

ACTION

- FOG SEAL
- SLURRY SEAL
- OVERLAY
- RECONSTRUCTION
- ROUTINE MAINTENANCE

N

0 500 1,000 Feet

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STATEWIDE PAVEMENT EVALUATION PROGRAM

5-YEAR PAVEMENT MANAGEMENT PLAN
MADRAS AIRPORT

DEC. 2022 JOB NO. 6593-B FIG. 5.2

6 LIMITATIONS

This report has been prepared to assist the ODA with pavement-related project planning for the Madras Municipal 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 Madras Airport would like to know more about the results presented in this report, please contact the undersigned.

Submitted for GRI,

RENEWS: 06/2023

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This document has been submitted electronically.

APPENDIX A

Pavement Inventory Reports and Maps

APPENDIX A

PAVEMENT INVENTORY REPORTS AND MAPS

A.1 PAVEMENT NETWORK

Madras Municipal Airport (Madras Airport) is located in Madras, Oregon, and is owned and operated by the City of Madras. The pavement network/facilities at Madras Airport serve a variety of general aviation aircraft as well as limited air taxi and wildland firefighting aircraft. Madras Airport consists of two runways, one primary parallel taxiway, and multiple connector taxiways, taxilanes, and aprons. The types of airside pavements include asphalt concrete (AC), AC overlaid with AC (AAC), portland cement concrete (PCC), and AC over PCC (APC).

The current airport pavement management system (APMS) network at Madras Airport has an approximate area of 1.36 million square feet of paved airside facilities. The pavement network has previously been divided (by others) into a hierarchical order of branches, sections, and sample units that facilitate inspection and maintenance planning. The pavement facilities summarized by branch and section are listed in Tables 1A and 2A, respectively. Pavement sections and the sample unit layout for each section are shown on Figure 1A in this appendix.

A.2 BRANCHES

A branch, as defined in the PAVER system, is a facility that is a readily identifiable part of a pavement system and has a distinct function. For airports, branches typically consist of individual runways, taxiways, and aprons. The current pavement network for Madras Airport contains 27 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 Madras Airport contains 56 sections which are managed by the City of Madras, 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 ± 2,000 square feet and 20 slabs ± 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:

$$n = \frac{N \times s^2}{\left(e^2/_4\right)(N-1)+s^2} \qquad \text{(Equation 1)}$$

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 Madras 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 Madras 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 – MADRAS AIRPORT PAVEMENT BRANCHES

Facility Designation (Branch ID)	Branch Name	Number of Sections	Approximate Area, square feet
A01MA	Apron 01 Madras	8	217,755
A02MA	Apron 02 Madras	1	7,200
A03MA	Apron 03 Madras	2	17,265
A04MA	Apron 04 Madras	1	7,200
A05MA	Apron 05 Madras	1	3,808
A06MA	Apron 06 Madras	4	99,289
AH16MA	Hold Apron 16 Madras	2	33,992
AH34MA	Hold Apron 34 Madras	1	13,127
R04MA	Runway 04/22 Madras	1	134,997
R16MA	Runway 16/34 Madras	1	381,750
T01MA	Taxiway 01 Madras	3	59,892
T02MA	Taxiway 02 Madras	5	202,245
T03MA	Taxiway 03 Madras	2	27,636
T04MA	Taxiway 04 Madras	1	6,892
T05MA	Taxiway 05 Madras	1	3,500
T06MA	Taxiway 06 Madras	1	19,816
T07MA	Taxiway 07 Madras	1	3,500
T08MA	Taxiway 08 Madras	1	10,660
T09MA	Taxiway 09 Madras	4	19,115
T10MA	Taxiway 10 Madras	1	9,313
T11MA	Taxiway 11 Madras	4	8,504
T12MA	Taxiway 12 Madras	1	872
T13MA	Taxiway 13 Madras	4	19,276
T14MA	Taxiway 14 Madras	1	10,702
T15MA	Taxiway 15 Madras	1	4,815
T16MA	Taxiway 16 Madras	1	4,463
T17MA	Taxiway 17 Madras	2	34,085

Table 2A - MADRAS AIRPORT CURRENT PAVEMENT INVENTORY

BranchID	Branch Name	Branch Use	SectionID	From	To	Rank	Length, feet	Width, feet	Approximate Area, square feet	LCD[1]	Surface Type
A01MA	Apron 01 Madras	APRON	01	T02, T04	Hangars	P	560	160	76,461	8/1/1990	AC
A01MA	Apron 01 Madras	APRON	02	A01-01	A01-01	P	90	80	7,200	9/4/1943	PCC
A01MA	Apron 01 Madras	APRON	03	A01-01	HANGAR	P	120	80	9,986	9/4/1943	PCC
A01MA	Apron 01 Madras	APRON	04	A01-01	HANGAR	P	120	80	9,986	9/4/1943	PCC
A01MA	Apron 01 Madras	APRON	05	Section 02	Taxiway 02	P	90	40	3,600	9/2/2011	PCC
A01MA	Apron 01 Madras	APRON	06	See Map	---	P	319	173	48,610	9/2/2011	AC
A01MA	Apron 01 Madras	APRON	07	See Map	---	P	405	153	54,712	9/3/2011	AC
A01MA	Apron 01 Madras	APRON	08	Concrete Pad	See Map	P	90	80	7,200	9/4/1943	PCC
A02MA	Apron 02 Madras	APRON	01	T04	T05	P	90	80	7,200	9/1/1943	PCC
A03MA	Apron 03 Madras	APRON	01	North	Edge	P	150	113	10,065	9/2/2011	PCC
A03MA	Apron 03 Madras	APRON	02	T06MA	East End	P	80	90	7,200	9/1/1943	PCC
A04MA	Apron 04 Madras	APRON	01	T07	T08	P	90	80	7,200	9/1/1943	PCC
A05MA	Apron 05 Madras	APRON	01	T08	T09	S	90	42	3,808	9/1/1943	PCC
A06MA	Apron 06 Madras	APRON	01	Hangar	End	P	195	409	65,066	9/1/2015	AC
A06MA	Apron 06 Madras	APRON	02	See Map	---	P	80	90	7,200	1/1/1943	PCC
A06MA	Apron 06 Madras	APRON	03	See Map	---	P	80	90	7,200	1/1/1943	PCC
A06MA	Apron 06 Madras	APRON	04	T01MA	A06MA-01	P	50	409	19,823	9/1/1977	AAC
AH16MA	Hold Apron 16 Madras	APRON	01	T03-02	EDGE	P	370	50	18,550	9/1/1977	AAC
AH16MA	Hold Apron 16 Madras	APRON	02	T02MA-02	End	P	350	100	15,442	7/1/2020	AC
AH34MA	Hold Apron 34 Madras	APRON	01	T03-02	EDGE	P	240	40	13,127	9/2/2004	AC
R04MA	Runway 04/22 Madras	RUNWAY	01	R03 END	AO2-01	S	2,700	50	134,997	8/1/1990	AC
R16MA	Runway 16/34 Madras	RUNWAY	01	T01-01	R34 END	P	5,090	75	381,750	5/18/2015	AC
T01MA	Taxiway 01 Madras	TAXIWAY	01	R22 End	T01MA-02	S	370	35	12,036	9/1/2012	APC
T01MA	Taxiway 01 Madras	TAXIWAY	02	T01MA-01 (old PCC)	R16 End	S	1,250	35	43,481	8/1/1990	AC
T01MA	Taxiway 01 Madras	TAXIWAY	03	T01MA-02	R16 End	S	125	35	4,375	5/18/2015	AC
T02MA	Taxiway 02 Madras	TAXIWAY	01	R16 End	T02MA-02	P	205	35	10,072	5/18/2015	AC
T02MA	Taxiway 02 Madras	TAXIWAY	02	Section 01	T03-02	P	775	35	27,340	7/1/2020	AC
T02MA	Taxiway 02 Madras	TAXIWAY	03	T03-01	T03-03	P	3,607	35	126,238	7/1/2020	AC
T02MA	Taxiway 02 Madras	TAXIWAY	04	Section 03	Section 05	P	650	35	27,685	7/1/2020	AC
T02MA	Taxiway 02 Madras	TAXIWAY	05	Section 04	R34 End	P	215	35	10,910	5/18/2015	AC
T03MA	Taxiway 03 Madras	TAXIWAY	01	R16-34	Section 02	P	163	35	6,986	5/18/2015	AC
T03MA	Taxiway 03 Madras	TAXIWAY	02	Section 01	T02MA	P	460	35	20,650	7/1/2020	AC
T04MA	Taxiway 04 Madras	TAXIWAY	01	T02	A03	P	128	40	6,892	9/3/2011	AC
T05MA	Taxiway 05 Madras	TAXIWAY	01	A03	A04	P	70	50	3,500	9/3/2011	AC
T06MA	Taxiway 06 Madras	TAXIWAY	01	T02	A04	P	128	150	19,816	9/3/2011	AC
T07MA	Taxiway 07 Madras	TAXIWAY	01	A04	A05	P	70	50	3,500	9/3/2011	AC
T08MA	Taxiway 08 Madras	TAXIWAY	01	T02	A04	P	128	40	10,660	9/3/2011	AC
T09MA	Taxiway 09 Madras	TAXIWAY	01	T11	T09-02	S	70	45	2,535	9/1/1998	APC
T09MA	Taxiway 09 Madras	TAXIWAY	02	T09-01	T09-03	S	105	45	4,725	9/2/1998	AC
T09MA	Taxiway 09 Madras	TAXIWAY	03	T09-02	T09-04	S	90	45	4,050	9/1/1998	APC
T09MA	Taxiway 09 Madras	TAXIWAY	04	T09-03	T11-01	S	461	20	7,805	9/2/1998	AC
T10MA	Taxiway 10 Madras	TAXIWAY	01	T09-04	T11-04	S	800	10	9,313	9/2/1943	AC
T11MA	Taxiway 11 Madras	TAXIWAY	01	T02	T11-02	S	60	43	2,861	7/1/2020	AC

Table 2A - MADRAS AIRPORT CURRENT PAVEMENT INVENTORY

BranchID	Branch Name	Branch Use	SectionID	From	To	Rank	Length, feet	Width, feet	Approximate Area, square feet	LCD[1]	Surface Type
T11MA	Taxiway 11 Madras	TAXIWAY	02	T11-01	T11-03	S	75	20	1,543	9/2/1998	AC
T11MA	Taxiway 11 Madras	TAXIWAY	03	T11-02	T11-04	S	80	20	1,600	9/1/1998	APC
T11MA	Taxiway 11 Madras	TAXIWAY	04	T11-03	End	S	190	20	2,500	9/2/1998	AC
T12MA	Taxiway 12 Madras	TAXIWAY	01	T05-04	End	S	35	20	872	9/2/1998	AC
T13MA	Taxiway 13 Madras	TAXIWAY	01	T02MA	T13MA-02	S	110	25	3,823	6/1/2002	AC
T13MA	Taxiway 13 Madras	TAXIWAY	02	T13MA-01	T13MA-03	S	90	25	2,250	6/1/2002	APC
T13MA	Taxiway 13 Madras	TAXIWAY	03	T13MA-02	T13MA-04	S	325	25	8,122	6/2/2002	AC
T13MA	Taxiway 13 Madras	TAXIWAY	04	T13MA-03	T11MA	S	53	95	5,081	1/1/1901	AC
T14MA	Taxiway 14 Madras	TAXIWAY	01	T02	A01	P	253	40	10,702	9/3/2011	AC
T15MA	Taxiway 15 Madras	TAXIWAY	01	T02	A01	P	73	50	4,815	9/3/2011	AC
T16MA	Taxiway 16 Madras	TAXIWAY	01	T02	A01	P	73	50	4,463	9/3/2011	AC
T17MA	Taxiway 17 Madras	TAXIWAY	01	R16MA-01	T17MA-02	P	160	45	10,265	7/1/2020	AC
T17MA	Taxiway 17 Madras	TAXIWAY	02	T17MA-01	T02MA-03	P	460	35	23,820	7/1/2020	AC

Abbreviations:
P = Primary pavement, S = Secondary pavement, AC = Asphalt Concrete, AAC = AC overlaid AC, APC = AC over PCC, PCC = Portland Cement Concrete

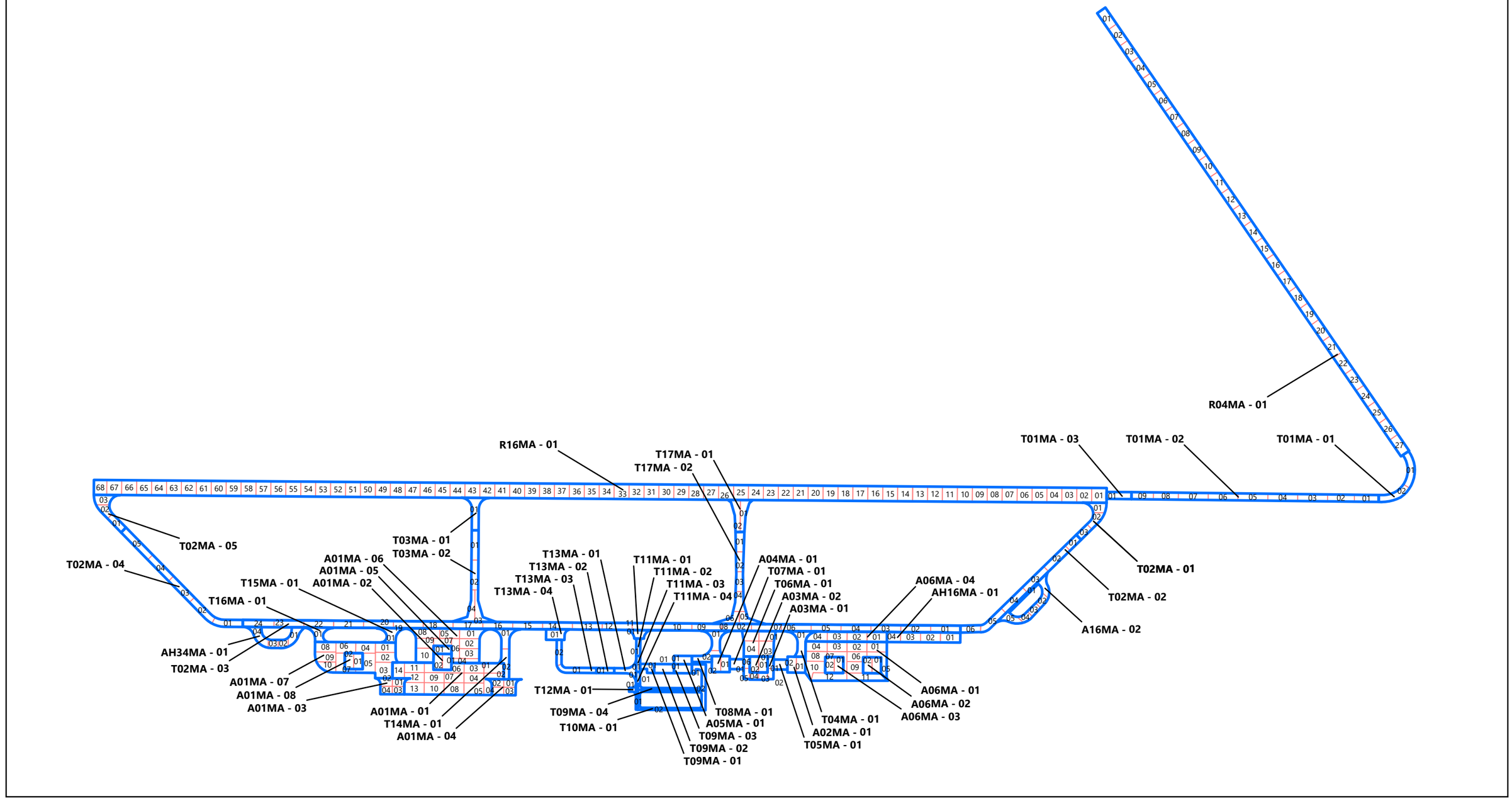
Notes:
[1] LCD = Last Construction Date. The date of the last major rehabilitation (e.g. overlay)

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

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

Note: AC = Asphalt Concrete
PCC = portland cement concrete



SECTION

SAMPLE UNIT

N

0 500 1,000

Feet

GRI

SAMPLE UNIT LAYOUT

MADRAS AIRPORT

DEC. 2022 JOB NO. 6593-B FIG. 1A

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			Rigid Pavement		
PAVER Code	Pavement Distress	Related Cause	PAVER Code	Pavement Distress	Related Cause
41	Alligator Cracking	Load	61	Blow-Up	Load
42	Bleeding	Other	62	Corner Break	Load
43	Block Cracking	Climate/ Durability	63	Longitudinal, Transverse, & Diagonal Cracks	Climate/ Durability
44	Corrugation	Other	64	Durability Cracking	Climate/ Durability
45	Depression	Other	65	Joint Seal Damage	Other
46	Jet Blast	Other	66	Small Patch	Other
47	Joint Reflection Cracking	Climate/ Durability	67	Large Patch	Other
48	Longitudinal & Transverse Cracking	Climate/ Durability	68	Pop Outs	Other
49	Oil Spillage	Other	69	Pumping	Other
50	Patching	Climate/ Durability	70	Scaling	Other
51	Polished Aggregate	Other	71	Faulting	Other
52	Raveling	Climate/ Durability	72	Shattered Slab	Load

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

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

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

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

*"The PCI is a numerical indicator that rates the surface condition of the pavement. The PCI provides a measure of the **present condition** of the pavement based on the distress observed on the surface of the pavement, which also indicates the structural integrity and surface operational condition (localized roughness and safety). The PCI **cannot** measure the structural capacity; neither does it provide a direct measurement of skid resistance or roughness. It provides an objective and rational basis for determining maintenance and repair needs and priorities. Continuous monitoring of the PCI is used to establish the rate of pavement deterioration, which permits early identification of major rehabilitation needs. The PCI provides feedback on pavement performance for validation or improvement of current pavement design and maintenance procedures."*

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

B.2 DISTRESS TYPES

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

- **Load-related:** Flexible pavement distresses include alligator/fatigue cracking, corrugation, depression, polished aggregate, rutting, and slippage cracking. Rigid

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

- **Climate- and durability-related:** Flexible pavement distresses include bleeding, block cracking, joint reflection cracking, longitudinal and transverse (L&T) cracking, swelling, and raveling/weathering. Rigid pavement distresses include blow-ups, durability cracking, longitudinal cracking, pop-outs, pumping, scaling, shrinkage cracks, and joint and corner spalling.

- **Moisture- and drainage-related:** Flexible pavement distresses include alligator/ fatigue cracking, depressions, potholes, and swelling. Rigid pavement distresses include corner breaks, divided slabs, and pumping.

- **Other factors:** Oil spillage, jet blast erosion, bleeding, patching, and concrete slab joint faulting.

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

B.3 PAVEMENT CONDITION INDEX SURVEY RESULTS

The evaluated Madras Airport pavement network consists of 27 branches and 56 sections. A total of 134 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 Madras Airport is approximately 83, 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 Madras Airport pavement sections is outlined in Table 4B in this appendix.

Table 2B - MADRAS AIPORT CURRENT BRANCH CONDITION REPORT

Branch ID	Number of Sections	Approximate Area, square feet	Use	Area Weighted Average Branch PCI	PCI Category
A01MA	8	217,755	APRON	71	Fair
A02MA	1	7,200	APRON	53	Poor
A03MA	2	17,265	APRON	83	Satisfactory
A04MA	1	7,200	APRON	58	Fair
A05MA	1	3,808	APRON	51	Poor
A06MA	4	99,289	APRON	76	Satisfactory
AH16MA	2	33,992	APRON	94	Good
AH34MA	1	13,127	APRON	94	Good
R04MA	1	134,997	RUNWAY	57	Fair
R16MA	1	381,750	RUNWAY	94	Good
T01MA	3	59,892	TAXIWAY	72	Satisfactory
T02MA	5	202,245	TAXIWAY	98	Good
T03MA	2	27,636	TAXIWAY	94	Good
T04MA	1	6,892	TAXIWAY	89	Good
T05MA	1	3,500	TAXIWAY	94	Good
T06MA	1	19,816	TAXIWAY	90	Good
T07MA	1	3,500	TAXIWAY	94	Good
T08MA	1	10,660	TAXIWAY	88	Good
T09MA	4	19,115	TAXIWAY	69	Fair
T10MA	1	9,313	TAXIWAY	19	Serious
T11MA	4	8,504	TAXIWAY	59	Fair
T12MA	1	872	TAXIWAY	75	Satisfactory
T13MA	4	19,276	TAXIWAY	75	Satisfactory
T14MA	1	10,702	TAXIWAY	90	Good
T15MA	1	4,815	TAXIWAY	83	Satisfactory
T16MA	1	4,463	TAXIWAY	81	Satisfactory
T17MA	2	34,085	TAXIWAY	94	Good

Use Category	Number of Sections	Total Area, square feet	Area Weighted Average PCI
APRON	20	399,636	74
RUNWAY	2	516,747	84
TAXIWAY	34	445,286	88
ALL	**56**	**1,361,669**	**83**

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

BranchID	SectionID	Last Construction Date	Surface Type	Use	Last Inspection Date	Age at Inspection	PCI	PCI Category	PCI % Climate	PCI % Load	PCI % Other
A01MA	01	8/1/1990	AC	APRON	3/1/2022	32	58	Fair	74	26	0
A01MA	02	9/4/1943	PCC	APRON	3/1/2022	78	48	Poor	0	81	19
A01MA	03	9/4/1943	PCC	APRON	3/1/2022	78	81	Satisfactory	0	0	100
A01MA	04	9/4/1943	PCC	APRON	3/1/2022	78	53	Poor	0	6	94
A01MA	05	9/2/2011	PCC	APRON	3/1/2022	10	80	Satisfactory	0	0	100
A01MA	06	9/2/2011	AC	APRON	3/1/2022	10	90	Good	100	0	0
A01MA	07	9/3/2011	AC	APRON	3/1/2022	10	77	Satisfactory	100	0	0
A01MA	08	9/4/1943	PCC	APRON	3/1/2022	78	52	Poor	0	66	34
A02MA	01	9/1/1943	PCC	APRON	3/1/2022	79	53	Poor	17	0	83
A03MA	01	9/2/2011	PCC	APRON	3/1/2022	10	90	Good	0	54	46
A03MA	02	9/1/1943	PCC	APRON	3/1/2022	79	74	Satisfactory	0	0	100
A04MA	01	9/1/1943	PCC	APRON	3/1/2022	79	58	Fair	21	0	79
A05MA	01	9/1/1943	PCC	APRON	3/1/2022	79	51	Poor	18	0	82
A06MA	01	9/1/2015	AC	APRON	3/1/2022	7	79	Satisfactory	100	0	0
A06MA	02	1/1/1943	PCC	APRON	3/1/2022	79	43	Poor	15	0	85
A06MA	03	1/1/1943	PCC	APRON	3/1/2022	79	29	Very Poor	10	10	80
A06MA	04	9/1/1977	AAC	APRON	3/1/2022	45	94	Good	100	0	0
AH16MA	01	9/1/1977	AAC	APRON	3/1/2022	45	94	Good	100	0	0
AH16MA	02	7/1/2020	AC	APRON	3/1/2022	2	94	Good	100	0	0
AH34MA	01	9/2/2004	AC	APRON	3/1/2022	17	94	Good	100	0	0
R04MA	01	8/1/1990	AC	RUNWAY	3/1/2022	32	57	Fair	58	42	0
R16MA	01	5/18/2015	AC	RUNWAY	3/1/2022	7	94	Good	100	0	0
T01MA	01	9/1/2012	APC	TAXIWAY	3/1/2022	10	84	Satisfactory	100	0	0
T01MA	02	8/1/1990	AC	TAXIWAY	3/1/2022	32	67	Fair	100	0	0
T01MA	03	5/18/2015	AC	TAXIWAY	3/1/2022	7	89	Good	100	0	0
T02MA	01	5/18/2015	AC	TAXIWAY	3/1/2022	7	86	Good	100	0	0
T02MA	02	7/1/2020	AC	TAXIWAY	3/1/2022	2	94	Good	100	0	0
T02MA	03	7/1/2020	AC	TAXIWAY	3/1/2022	2	100	Good	100	0	0
T02MA	04	7/1/2020	AC	TAXIWAY	3/1/2022	2	100	Good	0	0	0
T02MA	05	5/18/2015	AC	TAXIWAY	3/1/2022	7	94	Good	100	0	0
T03MA	01	5/18/2015	AC	TAXIWAY	3/1/2022	7	94	Good	100	0	0
T03MA	02	7/1/2020	AC	TAXIWAY	3/1/2022	2	94	Good	100	0	0
T04MA	01	9/3/2011	AC	TAXIWAY	3/1/2022	10	89	Good	100	0	0
T05MA	01	9/3/2011	AC	TAXIWAY	3/1/2022	10	94	Good	100	0	0
T06MA	01	9/3/2011	AC	TAXIWAY	3/1/2022	10	90	Good	100	0	0
T07MA	01	9/3/2011	AC	TAXIWAY	3/1/2022	10	94	Good	100	0	0
T08MA	01	9/3/2011	AC	TAXIWAY	3/1/2022	10	88	Good	100	0	0
T09MA	01	9/1/1998	APC	TAXIWAY	3/1/2022	24	71	Satisfactory	100	0	0
T09MA	02	9/2/1998	AC	TAXIWAY	3/1/2022	23	71	Satisfactory	100	0	0
T09MA	03	9/1/1998	APC	TAXIWAY	3/1/2022	24	75	Satisfactory	100	0	0
T09MA	04	9/2/1998	AC	TAXIWAY	3/1/2022	23	64	Fair	72	28	0
T10MA	01	9/2/1943	AC	TAXIWAY	3/1/2022	78	19	Serious	50	50	0
T11MA	01	7/1/2020	AC	TAXIWAY	3/1/2022	2	94	Good	100	0	0

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

BranchID	SectionID	Last Construction Date	Surface Type	Use	Last Inspection Date	Age at Inspection	PCI	PCI Category	PCI % Climate	PCI % Load	PCI % Other
T11MA	02	9/2/1998	AC	TAXIWAY	3/1/2022	23	40	Very Poor	100	0	0
T11MA	03	9/1/1998	APC	TAXIWAY	3/1/2022	24	42	Poor	100	0	0
T11MA	04	9/2/1998	AC	TAXIWAY	3/1/2022	23	42	Poor	63	37	0
T12MA	01	9/2/1998	AC	TAXIWAY	3/1/2022	23	75	Satisfactory	100	0	0
T13MA	01	6/1/2002	AC	TAXIWAY	3/1/2022	20	66	Fair	100	0	0
T13MA	02	6/1/2002	APC	TAXIWAY	3/1/2022	20	61	Fair	100	0	0
T13MA	03	6/2/2002	AC	TAXIWAY	3/1/2022	20	71	Satisfactory	100	0	0
T13MA	04	1/1/1901	AC	TAXIWAY	3/1/2022	121	94	Good	100	0	0
T14MA	01	9/3/2011	AC	TAXIWAY	3/1/2022	10	90	Good	100	0	0
T15MA	01	9/3/2011	AC	TAXIWAY	3/1/2022	10	83	Satisfactory	100	0	0
T16MA	01	9/3/2011	AC	TAXIWAY	3/1/2022	10	81	Satisfactory	100	0	0
T17MA	01	7/1/2020	AC	TAXIWAY	3/1/2022	2	94	Good	100	0	0
T17MA	02	7/1/2020	AC	TAXIWAY	3/1/2022	2	94	Good	100	0	0

Abbreviations:
PCI = Pavement Condition Index, AC = Asphalt Concrete, AAC = AC overlaid AC, APC = AC over PCC, PCC = Portland Cement Concrete

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

Branch ID	Section ID	Surface Type[1]	Approximate Area, square feet	LCD[2]	2017 Survey PCI	2017 Survey PCI Category	2017 Survey Insp. Date	2022 Survey PCI	2022 Survey PCI Category	Age[3]	Δ PCI/yr[4]	Rate of Deterioration
A01MA	01	AC	76,461	8/1/1990	50	Poor	6/17/2017	58	Fair	27	1.70	NONE
A01MA	02	PCC	7,200	9/4/1943	3	Failed	6/17/2017	48	Poor	74	9.56	NONE
A01MA	03	PCC	9,986	9/4/1943	95	Good	6/17/2017	81	Satisfactory	74	-2.97	NORMAL
A01MA	04	PCC	9,986	9/4/1943	86	Good	6/24/2017	53	Poor	74	-7.04	HIGH
A01MA	05	PCC	3,600	9/2/2011	100	Good	6/17/2017	80	Satisfactory	6	-4.25	HIGH
A01MA	06	AC	48,610	9/2/2011	100	Good	6/17/2017	90	Good	6	-2.12	NORMAL
A01MA	07	AC	54,712	9/3/2011	96	Good	6/17/2017	77	Satisfactory	6	-4.04	HIGH
A01MA	08	PCC	7,200	9/4/1943	0	Failed	6/17/2017	52	Poor	74	11.05	NONE
A02MA	01	PCC	7,200	9/1/1943	74	Satisfactory	6/17/2017	53	Poor	74	-4.46	HIGH
A03MA	01	PCC	10,065	9/2/2011	97	Good	6/17/2017	90	Good	6	-1.49	NORMAL
A03MA	02	PCC	7,200	9/1/1943	64	Fair	6/17/2017	74	Satisfactory	74	2.12	NONE
A04MA	01	PCC	7,200	9/1/1943	75	Satisfactory	6/17/2017	58	Fair	74	-3.61	NORMAL
A05MA	01	PCC	3,808	9/1/1943	76	Satisfactory	6/17/2017	51	Poor	74	-5.31	HIGH
A06MA	01	AC	65,066	9/1/2015	100	Good	6/17/2017	79	Satisfactory	2	-4.46	HIGH
A06MA	02	PCC	7,200	1/1/1943	50	Poor	6/17/2017	43	Poor	75	-1.49	NORMAL
A06MA	03	PCC	7,200	1/1/1943	57	Fair	6/17/2017	29	Very Poor	75	-5.95	HIGH
A06MA	04	AAC	19,823	9/1/1977	43	Poor	6/17/2017	94	Good	40	10.84	NONE
AH16MA	01	AAC	18,550	9/1/1977	37	Very Poor	6/17/2017	94	Good	40	12.11	NONE
AH16MA	02	AC	15,442	7/1/2020	--	--	--	94	Good	--	--	--
AH34MA	01	AC	13,127	9/2/2004	69	Fair	6/17/2017	94	Good	13	5.31	NONE
R04MA	01	AC	134,997	8/1/1990	53	Poor	6/17/2017	57	Fair	27	0.85	NONE
R16MA	01	AC	381,750	5/18/2015	100	Good	6/17/2017	94	Good	2	-1.27	NORMAL
T01MA	01	APC	12,036	9/1/2012	100	Good	6/17/2017	84	Satisfactory	5	-3.40	NORMAL
T01MA	02	AC	43,481	8/1/1990	76	Satisfactory	6/17/2017	67	Fair	27	-1.91	NORMAL
T01MA	03	AC	4,375	5/18/2015	100	Good	6/17/2017	89	Good	2	-2.34	NORMAL
T02MA	01	AC	10,072	5/18/2015	100	Good	6/17/2017	86	Good	2	-2.97	NORMAL
T02MA	02	AC	27,340	7/1/2020	42	Poor	6/17/2017	94	Good	-3	11.05	NONE
T02MA	03	AC	126,238	7/1/2020	59	Fair	6/17/2017	100	Good	-3	8.71	NONE
T02MA	04	AC	27,685	7/1/2020	42	Poor	6/17/2017	100	Good	-3	12.32	NONE
T02MA	05	AC	10,910	5/18/2015	100	Good	6/17/2017	94	Good	2	-1.27	NORMAL
T03MA	01	AC	6,986	5/18/2015	100	Good	6/17/2017	94	Good	2	-1.27	NORMAL
T03MA	02	AC	20,650	7/1/2020	67	Fair	6/17/2017	94	Good	-3	5.74	NONE
T04MA	01	AC	6,892	9/3/2011	95	Good	6/17/2017	89	Good	6	-1.27	NORMAL
T05MA	01	AC	3,500	9/3/2011	98	Good	6/17/2017	94	Good	6	-0.85	NORMAL
T06MA	01	AC	19,816	9/3/2011	99	Good	6/17/2017	90	Good	6	-1.91	NORMAL
T07MA	01	AC	3,500	9/3/2011	98	Good	6/17/2017	94	Good	6	-0.85	NORMAL
T08MA	01	AC	10,660	9/3/2011	100	Good	6/17/2017	88	Good	6	-2.55	NORMAL
T09MA	01	APC	2,535	9/1/1998	70	Fair	6/17/2017	71	Satisfactory	19	0.21	NONE

GRI

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

Branch ID	Section ID	Surface Type[1]	Approximate Area, square feet	LCD[2]	2017 Survey PCI	2017 Survey PCI Category	2017 Survey Insp. Date	2022 Survey PCI	2022 Survey PCI Category	Age[3]	Δ PCI/yr[4]	Rate of Deterioration
T09MA	02	AC	4,725	9/2/1998	70	Fair	6/17/2017	71	Satisfactory	19	0.21	NONE
T09MA	03	APC	4,050	9/1/1998	75	Satisfactory	6/17/2017	75	Satisfactory	19	0.00	NONE
T09MA	04	AC	7,805	9/2/1998	70	Fair	6/17/2017	64	Fair	19	-1.27	NORMAL
T10MA	01	AC	9,313	9/2/1943	29	Very Poor	6/17/2017	19	Serious	74	-2.12	NORMAL
T11MA	01	AC	2,861	7/1/2020	61	Fair	6/17/2017	94	Good	-3	7.01	NONE
T11MA	02	AC	1,543	9/2/1998	65	Fair	6/17/2017	40	Very Poor	19	-5.31	HIGH
T11MA	03	APC	1,600	9/1/1998	70	Fair	6/17/2017	42	Poor	19	-5.95	HIGH
T11MA	04	AC	2,500	9/2/1998	36	Very Poor	6/17/2017	42	Poor	19	1.27	NONE
T12MA	01	AC	872	9/2/1998	82	Satisfactory	6/17/2017	75	Satisfactory	19	-1.49	NORMAL
T13MA	01	AC	3,823	6/1/2002	63	Fair	6/17/2017	66	Fair	15	0.64	NONE
T13MA	02	APC	2,250	6/1/2002	54	Poor	6/17/2017	61	Fair	15	1.49	NONE
T13MA	03	AC	8,122	6/2/2002	68	Fair	6/17/2017	71	Satisfactory	15	0.64	NONE
T13MA	04	AC	5,081	1/1/1901	60	Fair	6/17/2017	94	Good	117	7.22	NONE
T14MA	01	AC	10,702	9/3/2011	100	Good	6/17/2017	90	Good	6	-2.12	NORMAL
T15MA	01	AC	4,815	9/3/2011	100	Good	6/17/2017	83	Satisfactory	6	-3.61	NORMAL
T16MA	01	AC	4,463	9/3/2011	100	Good	6/17/2017	81	Satisfactory	6	-4.04	HIGH
T17MA	01	AC	10,265	7/1/2020	--	--	--	94	Good	--	--	--
T17MA	02	AC	23,820	7/1/2020	--	--	--	94	Good	--	--	--

Abbreviations:

[1] AC = Asphalt Concrete, AAC = Asphalt Overlaid AC, PCC = Portland Cement Concrete, APC = Asphalt over PCC

[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

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APPENDIX C

Future Pavement Condition Analysis

APPENDIX C

FUTURE 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 Madras Airport. The delineation is based on branch use, surface type, section rank, and structural design life. We use five distinct models for the following "families" of pavements at Madras Airport. For each model, we reviewed the data in order to filter out any suspicious 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 fourth-order, 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 5C below.

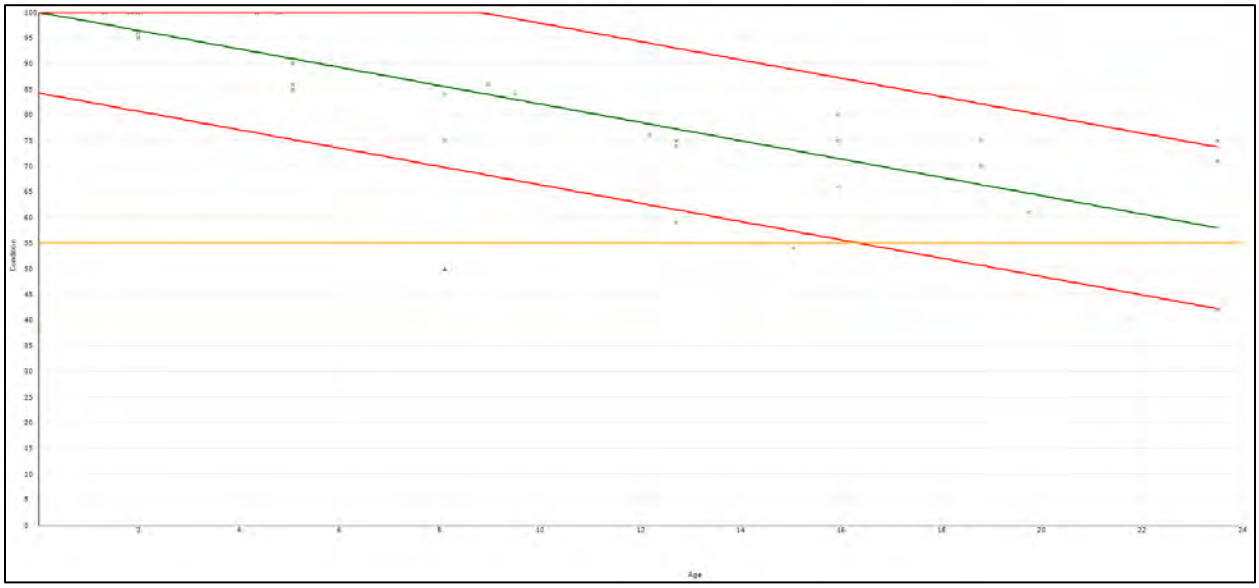

Figure 1C – CONDITION PREDICTION MODEL FOR CENTRAL CATEGORY 4 APC RUNWAYS, TAXIWAYS, AND APRONS

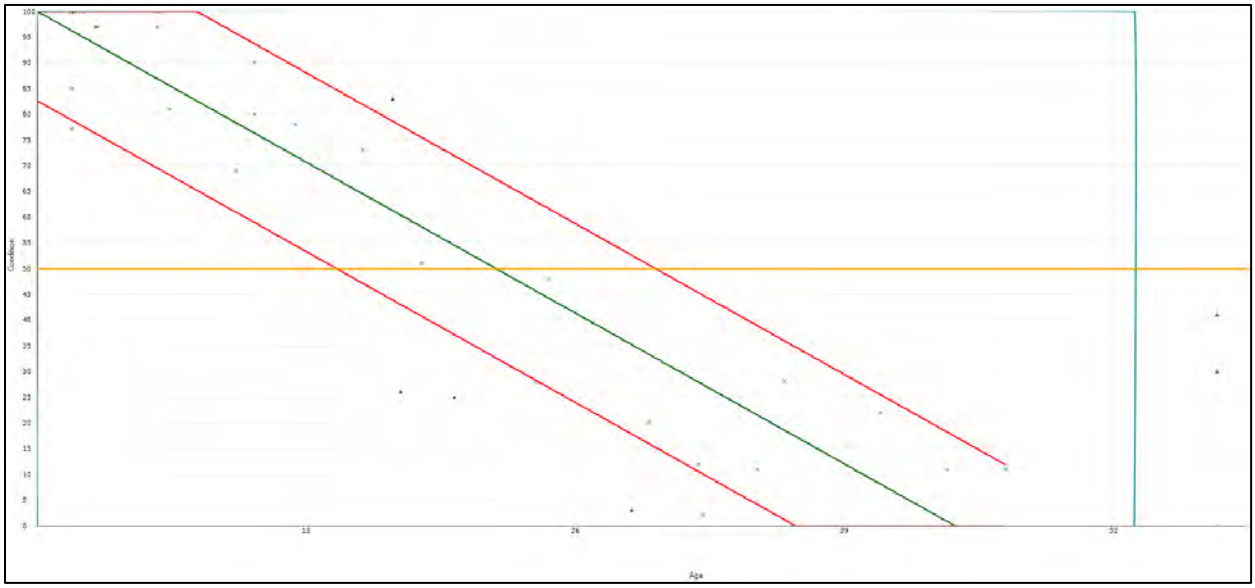

Figure 2C – CONDITION PREDICTION MODEL FOR CENTRAL CATEGORY 4 PCC RUNWAYS, TAXIWAYS, AND APRONS

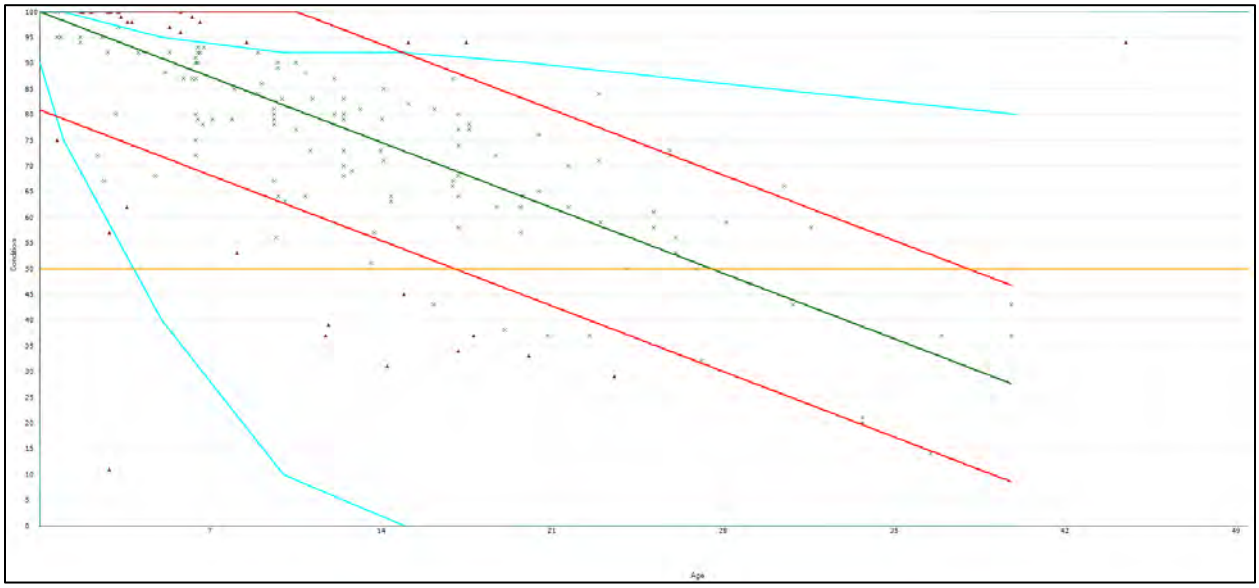

Figure 3C - CONDITION PREDICTION MODEL FOR CENTRAL CATEGORY 4 AC AND AAC APRONS

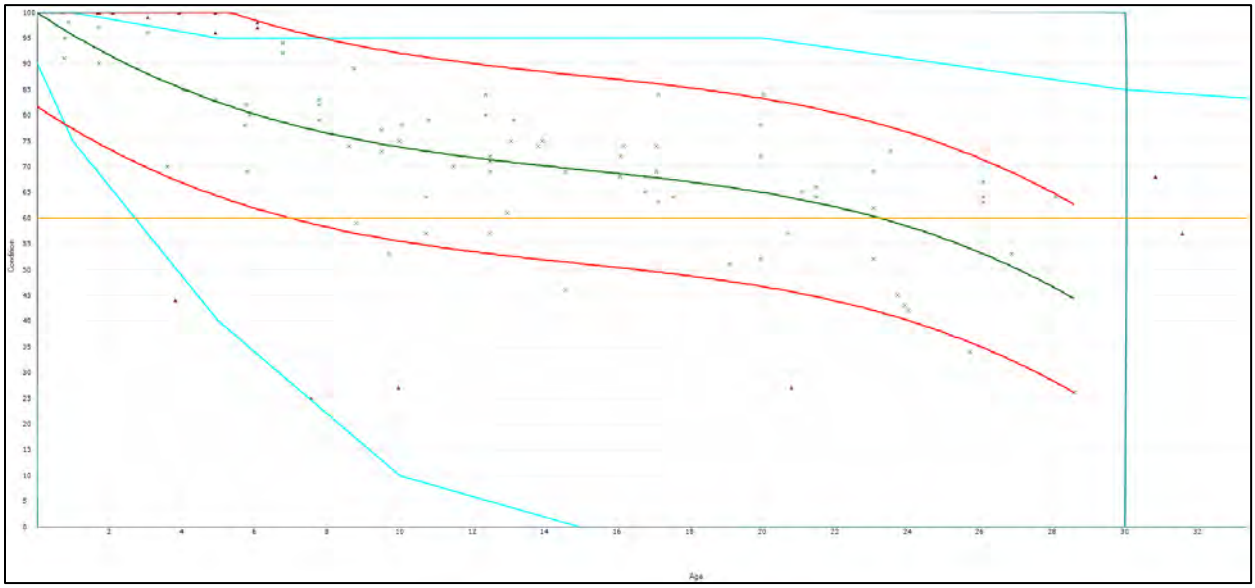

Figure 4C - CONDITION PREDICTION MODEL FOR CENTRAL CATEGORY 4 AC AND AAC RUNWAYS

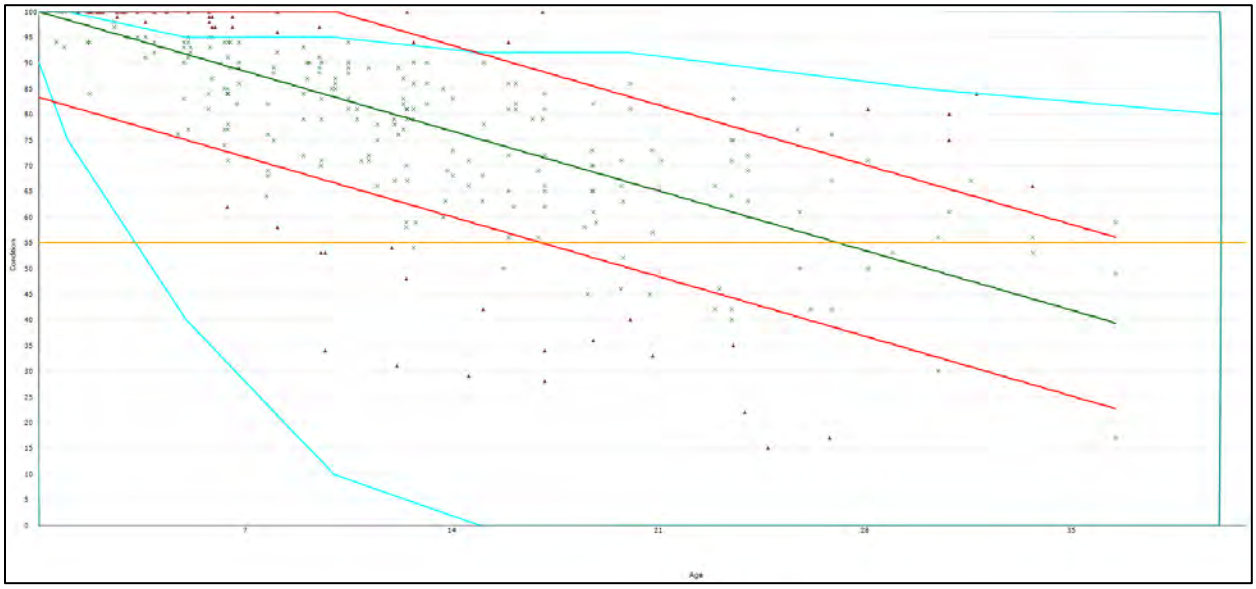

Figure 5C - CONDITION PREDICTION MODEL FOR CENTRAL CATEGORY 4 AC AND AAC TAXIWAYS

C.3 CRITICAL PAVEMENT CONDITION INDEX

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 Madras 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 Madras Airport, along with the conditions at the previous inspection, are listed in Table 1C.

C.5 FUNCTIONAL REMAINING LIFE

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

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

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

Table 1C - PAST, PRESENT, AND FUTURE PCI

		Past Inspection PCI	Current PCI	Predicted Future PCI	
BranchID	SectionID	2017	2022	2027	2032
A01MA	01	50	58	49	40
A01MA	02	3	48	37	25
A01MA	03	95	81	70	58
A01MA	04	86	53	42	30
A01MA	05	100	80	69	57
A01MA	06	100	90	81	72
A01MA	07	96	77	68	59
A01MA	08	0	52	41	29
A02MA	01	74	53	42	30
A03MA	01	97	90	79	67
A03MA	02	64	74	63	51
A04MA	01	75	58	47	35
A05MA	01	76	51	40	28
A06MA	01	100	79	70	61
A06MA	02	50	43	32	20
A06MA	03	57	29	18	6
A06MA	04	43	94	85	76
AH16MA	01	37	94	85	76
AH16MA	02	--	94	85	76
AH34MA	01	69	94	85	76
R04MA	01	53	57	41	24
R16MA	01	100	94	79	72
T01MA	01	100	84	75	66
T01MA	02	76	67	59	50
T01MA	03	100	89	81	72
T02MA	01	100	86	78	69
T02MA	02	42	94	86	77
T02MA	03	59	100	92	83
T02MA	04	42	100	92	83
T02MA	05	100	94	86	77
T03MA	01	100	94	86	77
T03MA	02	67	94	86	77
T04MA	01	95	89	81	72
T05MA	01	98	94	86	77
T06MA	01	99	90	82	73
T07MA	01	98	94	86	77
T08MA	01	100	88	80	71
T09MA	01	70	71	62	53
T09MA	02	70	71	63	54
T09MA	03	75	75	66	57
T09MA	04	70	64	56	47
T10MA	01	29	19	11	2
T11MA	01	61	94	86	77
T11MA	02	65	40	32	23
T11MA	03	70	42	33	24
T11MA	04	36	42	34	25
T12MA	01	82	75	67	58
T13MA	01	63	66	58	49
T13MA	02	54	61	52	43
T13MA	03	68	71	63	54
T13MA	04	60	94	86	77
T14MA	01	100	90	82	73
T15MA	01	100	83	75	66
T16MA	01	100	81	73	64
T17MA	01	--	94	86	77
T17MA	02	--	94	86	77

Abbreviations:
PCI = Pavement Condition Index

Table 2C - MADRAS 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
A01MA	01	AC	58	0 - 5	50	6 - 10
A01MA	02	PCC	48	0 - 5	50	0 - 5
A01MA	03	PCC	81	11 - 15	50	16 - 20
A01MA	04	PCC	53	0 - 5	50	0 - 5
A01MA	05	PCC	80	11 - 15	50	16 - 20
A01MA	06	AC	90	> 20	50	> 20
A01MA	07	AC	77	11 - 15	50	> 20
A01MA	08	PCC	52	0 - 5	50	0 - 5
A02MA	01	PCC	53	0 - 5	50	0 - 5
A03MA	01	PCC	90	16 - 20	50	> 20
A03MA	02	PCC	74	6 - 10	50	11 - 15
A04MA	01	PCC	58	0 - 5	50	6 - 10
A05MA	01	PCC	51	0 - 5	50	0 - 5
A06MA	01	AC	79	11 - 15	50	> 20
A06MA	02	PCC	43	0 - 5	50	0 - 5
A06MA	03	PCC	29	0 - 5	50	0 - 5
A06MA	04	AAC	94	> 20	50	> 20
AH16MA	01	AAC	94	> 20	50	> 20
AH16MA	02	AC	94	> 20	50	> 20
AH34MA	01	AC	94	> 20	50	> 20
R04MA	01	AC	57	0 - 5	60	0 - 5
R16MA	01	AC	94	> 20	60	> 20
T01MA	01	APC	84	16 - 20	55	> 20
T01MA	02	AC	67	6 - 10	55	16 - 20
T01MA	03	AC	89	> 20	55	> 20
T02MA	01	AC	86	16 - 20	55	> 20
T02MA	02	AC	94	> 20	55	> 20
T02MA	03	AC	100	> 20	55	> 20
T02MA	04	AC	100	> 20	55	> 20
T02MA	05	AC	94	> 20	55	> 20
T03MA	01	AC	94	> 20	55	> 20
T03MA	02	AC	94	> 20	55	> 20
T04MA	01	AC	89	> 20	55	> 20
T05MA	01	AC	94	> 20	55	> 20
T06MA	01	AC	90	> 20	55	> 20
T07MA	01	AC	94	> 20	55	> 20
T08MA	01	AC	88	> 20	55	> 20
T09MA	01	APC	71	6 - 10	55	16 - 20
T09MA	02	AC	71	6 - 10	55	16 - 20
T09MA	03	APC	75	11 - 15	55	> 20
T09MA	04	AC	64	0 - 5	55	11 - 15
T10MA	01	AC	19	0 - 5	55	0 - 5
T11MA	01	AC	94	> 20	55	> 20
T11MA	02	AC	40	0 - 5	55	0 - 5
T11MA	03	APC	42	0 - 5	55	0 - 5
T11MA	04	AC	42	0 - 5	55	0 - 5
T12MA	01	AC	75	11 - 15	55	> 20
T13MA	01	AC	66	6 - 10	55	11 - 15
T13MA	02	APC	61	0 - 5	55	11 - 15
T13MA	03	AC	71	6 - 10	55	16 - 20
T13MA	04	AC	94	> 20	55	> 20
T14MA	01	AC	90	> 20	55	> 20

Table 2C - MADRAS 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
T15MA	01	AC	83	16 - 20	55	> 20
T16MA	01	AC	81	11 - 15	55	> 20
T17MA	01	AC	94	> 20	55	> 20
T17MA	02	AC	94	> 20	55	> 20

Abbreviations:
M&R = Maintenance and Rehabilitation, AC = Asphalt Concrete, AAC = AC overlaid AC,
PCC = Portland Cement Concrete, APC = Asphalt over PCC

[1] Major M&R Trigger PCI = Critical PCI

APPENDIX D

Unit Cost Data and Maintenance and Rehabilitation Plan

APPENDIX D

UNIT COST DATA AND MAINTENANCE AND REHABILITATION PLAN

D.1 ANALYSIS METHODOLOGY

We evaluated the M&R needs, as determined from the PAVER analysis results, in order to develop project recommendations for the next five years. The purpose of this analysis is to determine the M&R needs of the Madras Airport pavement network condition over time. We used PAVER v7 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, 2023. 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

Branch Use	Section Rank		
	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 Madras 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 Madras 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: MADRAS AIRPORT UNIT COST DATA

Type of M&R	Work Type	Unit Cost	Work Unit
Major M&R	Complete Reconstruction with AC	$11.10	Sq Ft
	Cold Mill and Overlay – 3 Inches Thick	$4.90	Sq Ft
Global M&R	Surface Treatment - Slurry Seal	$0.33	Sq Ft
	Surface Treatment - Fog Seal	$0.20	Sq Ft
Localized Preventive M&R	Crack Sealing - AC	$2.00	Ft
	Crack Sealing - PCC	$15.00	Ft
	Crack Sealing – Wide Cracks	$33.00	Ft
	AC Patching – Full Depth	$50.00	Sq Ft
	PCC Patching – Full Depth	$100.00	Sq Ft

D.3 RECOMMENDED LOCALIZED MAINTENANCE

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

D.4 RECOMMENDED GLOBAL MAINTENANCE AND REHABILITATION PROJECTS

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

Table 3D - MADRAS AIRPORT NETWORK MAINTENANCE REPORT

Network	Branch ID	Section ID	Distress	Severity	Action	Work Quantity	Unit	Unit Cost	Work Cost	Section Total
Madras	A01MA	01	Alligator Cracking	Medium	Patching - AC Deep	411	SqFt	$50.00	$20,544	$34,369
Madras	A01MA	01	Long. & Trans. Cracking	Medium	Crack Sealing - AC	2,673	Ft	$2.00	$5,346	
Madras	A01MA	01	Long. & Trans. Cracking	Low	Crack Sealing - AC	4,239	Ft	$2.00	$8,478	
Madras	A01MA	02	Corner Break	Low	Crack Sealing - PCC	8	Ft	$15.00	$123	$9,423
Madras	A01MA	02	Linear Cracking	Low	Crack Sealing - PCC	310	Ft	$15.00	$4,650	
Madras	A01MA	02	Shattered Slab	Low	Crack Sealing - PCC	310	Ft	$15.00	$4,650	
Madras	A01MA	04	Joint Spall	High	Patching - PCC Partial Depth	25	SqFt	$100.00	$2,489	$22,145
Madras	A01MA	04	Linear Cracking	Low	Crack Sealing - PCC	13	Ft	$15.00	$193	
Madras	A01MA	04	Linear Cracking	Medium	Crack Sealing - PCC	13	Ft	$15.00	$193	
Madras	A01MA	04	Scaling	High	Patching - PCC Full Depth	193	SqFt	$100.00	$19,271	
Madras	A01MA	06	Long. & Trans. Cracking	Low	Crack Sealing - AC	257	Ft	$2.00	$514	$514
Madras	A01MA	07	Long. & Trans. Cracking	Medium	Crack Sealing - AC	1,513	Ft	$2.00	$3,026	$3,239
Madras	A01MA	07	Long. & Trans. Cracking	Low	Crack Sealing - AC	106	Ft	$2.00	$212	
Madras	A01MA	08	Linear Cracking	Low	Crack Sealing - PCC	403	Ft	$15.00	$6,045	$7,440
Madras	A01MA	08	Linear Cracking	Medium	Crack Sealing - PCC	31	Ft	$15.00	$465	
Madras	A01MA	08	Shattered Slab	Low	Crack Sealing - PCC	62	Ft	$15.00	$930	
Madras	A02MA	01	Corner Spall	High	Patching - PCC Partial Depth	5	SqFt	$100.00	$538	$6,342
Madras	A02MA	01	Joint Seal Damage	High	Joint Sealing	515	Ft	$5.00	$2,575	
Madras	A02MA	01	Joint Spall	High	Patching - PCC Partial Depth	32	SqFt	$100.00	$3,229	
Madras	A03MA	01	Corner Spall	High	Patching - PCC Partial Depth	2	SqFt	$100.00	$269	$1,469
Madras	A03MA	01	Linear Cracking	Low	Crack Sealing - PCC	70	Ft	$15.00	$1,050	
Madras	A03MA	01	Linear Cracking	Medium	Crack Sealing - PCC	10	Ft	$15.00	$150	
Madras	A03MA	02	Joint Spall	High	Patching - PCC Partial Depth	16	SqFt	$100.00	$1,615	$1,615
Madras	A04MA	01	Joint Seal Damage	High	Joint Sealing	1,030	Ft	$5.00	$5,150	$8,379
Madras	A04MA	01	Joint Spall	High	Patching - PCC Partial Depth	32	SqFt	$100.00	$3,229	
Madras	A05MA	01	Joint Seal Damage	High	Joint Sealing	498	Ft	$5.00	$2,490	$5,719
Madras	A05MA	01	Joint Spall	High	Patching - PCC Partial Depth	32	SqFt	$100.00	$3,229	
Madras	A06MA	01	Long. & Trans. Cracking	Medium	Crack Sealing - AC	1,035	Ft	$2.00	$2,071	$3,608
Madras	A06MA	01	Long. & Trans. Cracking	Low	Crack Sealing - AC	769	Ft	$2.00	$1,537	
Madras	A06MA	02	Corner Spall	High	Patching - PCC Partial Depth	22	SqFt	$100.00	$2,153	$25,871
Madras	A06MA	02	Joint Seal Damage	High	Joint Sealing	1,030	Ft	$5.00	$5,150	
Madras	A06MA	02	Joint Spall	High	Patching - PCC Partial Depth	185	SqFt	$100.00	$18,568	
Madras	A06MA	03	Corner Spall	High	Patching - PCC Partial Depth	32	SqFt	$100.00	$3,229	$25,088
Madras	A06MA	03	Joint Seal Damage	High	Joint Sealing	1,030	Ft	$5.00	$5,150	
Madras	A06MA	03	Joint Spall	High	Patching - PCC Partial Depth	161	SqFt	$100.00	$16,146	
Madras	A06MA	03	Linear Cracking	Medium	Crack Sealing - PCC	25	Ft	$15.00	$375	
Madras	A06MA	03	Linear Cracking	Low	Crack Sealing - PCC	12	Ft	$15.00	$188	
Madras	R04MA	01	Alligator Cracking	Low	Crack Sealing - AC	371	Ft	$2.00	$741	$58,153
Madras	R04MA	01	Alligator Cracking	Medium	Patching - AC Deep	825	SqFt	$50.00	$41,212	
Madras	R04MA	01	Long. & Trans. Cracking	Low	Crack Sealing - AC	8,057	Ft	$2.00	$16,113	
Madras	R04MA	01	Long. & Trans. Cracking	Medium	Crack Sealing - AC	43	Ft	$2.00	$86	
Madras	R16MA	01	Long. & Trans. Cracking	Low	Crack Sealing - AC	56	Ft	$2.00	$112	$112

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Table 3D - MADRAS AIRPORT NETWORK MAINTENANCE REPORT

Network	Branch ID	Section ID	Distress	Severity	Action	Work Quantity	Unit	Unit Cost	Work Cost	Section Total
Madras	T01MA	01	Joint Reflective Cracking	Low	Crack Sealing - AC	60	Ft	$2.00	$120	$322
Madras	T01MA	01	Long. & Trans. Cracking	Medium	Crack Sealing - AC	19	Ft	$2.00	$38	
Madras	T01MA	01	Long. & Trans. Cracking	Low	Crack Sealing - AC	82	Ft	$2.00	$164	
Madras	T01MA	02	Long. & Trans. Cracking	Medium	Crack Sealing - AC	532	Ft	$2.00	$1,064	$2,567
Madras	T01MA	02	Long. & Trans. Cracking	Low	Crack Sealing - AC	751	Ft	$2.00	$1,503	
Madras	T01MA	03	Long. & Trans. Cracking	Low	Crack Sealing - AC	46	Ft	$2.00	$92	$92
Madras	T02MA	01	Long. & Trans. Cracking	Low	Crack Sealing - AC	13	Ft	$2.00	$27	$27
Madras	T04MA	01	Long. & Trans. Cracking	Low	Crack Sealing - AC	55	Ft	$2.00	$110	$110
Madras	T06MA	01	Long. & Trans. Cracking	Low	Crack Sealing - AC	144	Ft	$2.00	$289	$289
Madras	T08MA	01	Long. & Trans. Cracking	Low	Crack Sealing - AC	17	Ft	$2.00	$34	$34
Madras	T09MA	01	Joint Reflective Cracking	Medium	Crack Sealing - AC	12	Ft	$2.00	$24	$282
Madras	T09MA	01	Joint Reflective Cracking	Low	Crack Sealing - AC	129	Ft	$2.00	$258	
Madras	T09MA	02	Joint Reflective Cracking	Medium	Crack Sealing - AC	8	Ft	$2.00	$16	$772
Madras	T09MA	02	Joint Reflective Cracking	Low	Crack Sealing - AC	378	Ft	$2.00	$756	
Madras	T09MA	03	Joint Reflective Cracking	Low	Crack Sealing - AC	670	Ft	$2.00	$1,340	$1,340
Madras	T09MA	04	Alligator Cracking	Medium	Patching - AC Deep	54	SqFt	$50.00	$2,665	$3,689
Madras	T09MA	04	Long. & Trans. Cracking	Medium	Crack Sealing - AC	423	Ft	$2.00	$846	
Madras	T09MA	04	Long. & Trans. Cracking	Low	Crack Sealing - AC	89	Ft	$2.00	$178	
Madras	T10MA	01	Alligator Cracking	Medium	Patching - AC Deep	1,561	SqFt	$50.00	$78,054	$85,041
Madras	T10MA	01	Alligator Cracking	High	Patching - AC Deep	47	SqFt	$50.00	$2,386	
Madras	T10MA	01	Long. & Trans. Cracking	High	Crack Seal - Wide Cracks	108	Ft	$33.00	$3,564	
Madras	T10MA	01	Long. & Trans. Cracking	Medium	Crack Sealing - AC	398	Ft	$2.00	$796	
Madras	T10MA	01	Long. & Trans. Cracking	Low	Crack Sealing - AC	120	Ft	$2.00	$240	
Madras	T11MA	02	Long. & Trans. Cracking	Low	Crack Sealing - AC	25	Ft	$2.00	$50	$250
Madras	T11MA	02	Long. & Trans. Cracking	Medium	Crack Sealing - AC	100	Ft	$2.00	$200	
Madras	T11MA	03	Long. & Trans. Cracking	Medium	Crack Sealing - AC	25	Ft	$2.00	$50	$296
Madras	T11MA	03	Long. & Trans. Cracking	Low	Crack Sealing - AC	123	Ft	$2.00	$246	
Madras	T11MA	04	Alligator Cracking	Medium	Patching - AC Deep	83	SqFt	$50.00	$4,123	$4,667
Madras	T11MA	04	Long. & Trans. Cracking	Medium	Crack Sealing - AC	164	Ft	$2.00	$328	
Madras	T11MA	04	Long. & Trans. Cracking	Low	Crack Sealing - AC	108	Ft	$2.00	$216	
Madras	T12MA	01	Long. & Trans. Cracking	Low	Crack Sealing - AC	16	Ft	$2.00	$32	$32
Madras	T13MA	01	Long. & Trans. Cracking	Medium	Crack Sealing - AC	128	Ft	$2.00	$255	$547
Madras	T13MA	01	Long. & Trans. Cracking	Low	Crack Sealing - AC	146	Ft	$2.00	$292	
Madras	T13MA	02	Long. & Trans. Cracking	Medium	Crack Sealing - AC	12	Ft	$2.00	$24	$720
Madras	T13MA	02	Long. & Trans. Cracking	Low	Crack Sealing - AC	348	Ft	$2.00	$696	
Madras	T13MA	03	Long. & Trans. Cracking	Medium	Crack Sealing - AC	235	Ft	$2.00	$470	$540
Madras	T13MA	03	Long. & Trans. Cracking	Low	Crack Sealing - AC	35	Ft	$2.00	$70	
Madras	T14MA	01	Long. & Trans. Cracking	Low	Crack Sealing - AC	18	Ft	$2.00	$36	$36
Madras	T15MA	01	Long. & Trans. Cracking	Medium	Crack Sealing - AC	20	Ft	$2.00	$40	$106
Madras	T15MA	01	Long. & Trans. Cracking	Low	Crack Sealing - AC	33	Ft	$2.00	$66	
Madras	T16MA	01	Long. & Trans. Cracking	Medium	Crack Sealing - AC	76	Ft	$2.00	$152	$152

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

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

Action Year	Branch ID	Section ID	Branch Use	Surface Type	Current PCI	Action	Area, square feet	Unit Cost per square foot	Total Cost
2023	A01MA	01	APRON	AC	58	Fog Seal	76,461	$0.20	$15,292
	A01MA	06	APRON	AC	90	Fog Seal	48,610	$0.20	$9,722
	A01MA	07	APRON	AC	77	Fog Seal	54,712	$0.20	$10,942
	A06MA	01	APRON	AC	79	Fog Seal	65,066	$0.20	$13,013
	A06MA	03	APRON	PCC	29	Reconstruction	7,200	$11.10	$79,920
	A06MA	04	APRON	AAC	94	Fog Seal	19,823	$0.20	$3,965
	AH16MA	01	APRON	AAC	94	Fog Seal	18,550	$0.20	$3,710
	AH16MA	02	APRON	AC	94	Fog Seal	15,442	$0.20	$3,088
	AH34MA	01	APRON	AC	94	Fog Seal	13,127	$0.20	$2,625
2024	R04MA	01	RUNWAY	AC	57	Overlay	134,997	$4.90	$661,446
2025	T10MA	01	TAXIWAY	AC	19	Reconstruction	9,313	$11.10	$103,375
	T11MA	02	TAXIWAY	AC	40	Reconstruction	1,543	$11.10	$17,127
	T11MA	03	TAXIWAY	APC	42	Reconstruction	1,600	$11.10	$17,760
	T11MA	04	TAXIWAY	AC	42	Reconstruction	2,500	$11.10	$27,750
2026	A06MA	02	APRON	PCC	43	Reconstruction	7,200	$11.10	$79,920
	T02MA	05	TAXIWAY	AC	94	Slurry Seal	10,910	$0.33	$3,600
	T03MA	01	TAXIWAY	AC	94	Slurry Seal	6,986	$0.33	$2,305
	T03MA	02	TAXIWAY	AC	94	Slurry Seal	20,650	$0.33	$6,815
	T04MA	01	TAXIWAY	AC	89	Slurry Seal	6,892	$0.33	$2,274
	T05MA	01	TAXIWAY	AC	94	Slurry Seal	3,500	$0.33	$1,155
	T06MA	01	TAXIWAY	AC	90	Slurry Seal	19,816	$0.33	$6,539
	T07MA	01	TAXIWAY	AC	94	Slurry Seal	3,500	$0.33	$1,155
	T08MA	01	TAXIWAY	AC	88	Slurry Seal	10,660	$0.33	$3,518
	T09MA	01	TAXIWAY	APC	71	Slurry Seal	2,535	$0.33	$837
	T09MA	02	TAXIWAY	AC	71	Slurry Seal	4,725	$0.33	$1,559
	T09MA	03	TAXIWAY	APC	75	Slurry Seal	4,050	$0.33	$1,337
	T09MA	04	TAXIWAY	AC	64	Slurry Seal	7,805	$0.33	$2,576
	T11MA	01	TAXIWAY	AC	94	Slurry Seal	2,861	$0.33	$944
	T12MA	01	TAXIWAY	AC	75	Slurry Seal	872	$0.33	$288
	T13MA	01	TAXIWAY	AC	66	Slurry Seal	3,823	$0.33	$1,262
	T13MA	02	TAXIWAY	APC	61	Slurry Seal	2,250	$0.33	$743
	T13MA	03	TAXIWAY	AC	71	Slurry Seal	8,122	$0.33	$2,680
	T13MA	04	TAXIWAY	AC	94	Slurry Seal	5,081	$0.33	$1,677
	T14MA	01	TAXIWAY	AC	90	Slurry Seal	10,702	$0.33	$3,532
	T15MA	01	TAXIWAY	AC	83	Slurry Seal	4,815	$0.33	$1,589
	T16MA	01	TAXIWAY	AC	81	Slurry Seal	4,463	$0.33	$1,473
	T17MA	01	TAXIWAY	AC	94	Slurry Seal	10,265	$0.33	$3,387
	T17MA	02	TAXIWAY	AC	94	Slurry Seal	23,820	$0.33	$7,861
2027	R16MA	01	RUNWAY	AC	94	Slurry Seal	381,750	$0.33	$125,978
	T01MA	01	TAXIWAY	APC	84	Slurry Seal	12,036	$0.33	$3,972
	T01MA	02	TAXIWAY	AC	67	Slurry Seal	43,481	$0.33	$14,349
	T01MA	03	TAXIWAY	AC	89	Slurry Seal	4,375	$0.33	$1,444
	T02MA	01	TAXIWAY	AC	86	Slurry Seal	10,072	$0.33	$3,324
	T02MA	02	TAXIWAY	AC	94	Slurry Seal	27,340	$0.33	$9,022

Abbreviations:
PCI = Pavement Condition Index, AC = Asphalt Concrete, AAC = AC overlaid AC, APC = AC over PCC, PCC = Portland Cement Concrete

Cost Summary	
2023 Total Project Cost	$142,279
2024 Total Project Cost	$661,446
2025 Total Project Cost	$166,012
2026 Total Project Cost	$139,025
2027 Total Project Cost	$158,088
Total 5-Year Project Cost	**$1,266,850**

APPENDIX E

Re-Inspection Report

Re-Inspection Report

ODA_WOC3_9-1-2022_PostBendAnalysis
Generated Date 9/30/2022

Network: Madras **Name:** Madras Municipal

Branch: A01MA **Name:** Apron 01 Madras **Use:** APRON **Area:** 217,755 SqFt

Section: 01 of 8 **From:** T02, T04 **To:** Hangars **Last Const.:** 8/1/1990

Surface: AC **Family:** 2022_Central_Cat4/5_Apron_AC/AAC **Zone:** S33 **Category:** L **Rank:** P

Area: 76,461 SqFt **Length:** 560 Ft **Width:** 160 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 8/1/1943	**Work Type:** Subbase - Aggregate	**Code:** SB-AG	**Is Major M&R:** False
Work Date: 8/2/1943	**Work Type:** Base Course - Aggregate	**Code:** BA-AG	**Is Major M&R:** False
Work Date: 8/3/1943	**Work Type:** Base Course - Aggregate	**Code:** BA-AG	**Is Major M&R:** True
Work Date: 8/1/1990	**Work Type:** New Construction - AC	**Code:** NC-AC	**Is Major M&R:** True
Work Date: 9/1/1997	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 9/1/2000	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 6/1/2001	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 9/1/2008	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 9/2/2008	**Work Type:** Patching - AC Deep	**Code:** PA-AD	**Is Major M&R:** False

Last Insp. Date: 3/1/2022 **TotalSamples:** 14 **Surveyed:** 6

Conditions: **PCI:** 58

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 5000.00 SqFt **PCI:** 54

Sample Comments: Created by Inspection Schedule

48	L & T CR	M	250.00	Ft
50	PATCHING	L	50.00	SqFt
57	WEATHERING	M	5000.00	SqFt
41	ALLIGATOR CR	M	30.00	SqFt

Sample Number: 03 **Type:** R **Area:** 5000.00 SqFt **PCI:** 69

Sample Comments: Created by Inspection Schedule

48	L & T CR	M	80.00	Ft
57	WEATHERING	M	5000.00	SqFt
48	L & T CR	L	138.00	Ft
48	L & T CR	L	198.00	Ft
48	L & T CR	L	25.00	Ft

Sample Number: 04 **Type:** R **Area:** 5000.00 SqFt **PCI:** 57

Sample Comments: Created by Inspection Schedule

48	L & T CR	L	256.00	Ft
48	L & T CR	M	65.00	Ft
57	WEATHERING	M	5000.00	SqFt
48	L & T CR	L	248.00	Ft
50	PATCHING	L	80.00	SqFt
41	ALLIGATOR CR	M	12.00	SqFt

Sample Number: 07 **Type:** R **Area:** 5000.00 SqFt **PCI:** 49

Sample Comments: Created by Inspection Schedule

57	WEATHERING	M	5000.00	SqFt
48	L & T CR	M	39.00	Ft
48	L & T CR	M	41.00	Ft
48	L & T CR	L	345.00	Ft

48	L & T CR	L	300.00	Ft
41	ALLIGATOR CR	M	12.00	SqFt
41	ALLIGATOR CR	M	20.00	SqFt
50	PATCHING	L	75.00	SqFt
50	PATCHING	L	240.00	SqFt

Sample Number: 09 **Type:** A **Area:** 5000.00 SqFt **PCI:** 44

Sample Comments:

48	L & T CR	M	160.00	Ft
41	ALLIGATOR CR	M	120.00	SqFt
48	L & T CR	M	100.00	Ft
48	L & T CR	L	56.00	Ft
57	WEATHERING	M	5000.00	SqFt
41	ALLIGATOR CR	M	10.00	SqFt

Sample Number: 10 **Type:** R **Area:** 6000.00 SqFt **PCI:** 65

Sample Comments: Created by Inspection Schedule

57	WEATHERING	M	6000.00	SqFt
48	L & T CR	L	12.00	Ft
48	L & T CR	M	313.00	Ft
48	L & T CR	M	90.00	Ft

Network: Madras **Name:** Madras Municipal

Branch: A01MA **Name:** Apron 01 Madras **Use:** APRON **Area:** 217,755 SqFt

Section: 04 of 8 **From:** A01-01 **To:** HANGAR **Last Const.:** 9/4/1943

Surface: PCC **Family:** 2022_Central_Cat4/5_All Uses_PCC **Zone:** S33 **Category:** L **Rank:** P

Area: 9,986 SqFt **Length:** 120 Ft **Width:** 80 Ft

Slabs: 72 **Slab Length:** 15 Ft **Slab Width:** 10 Ft **Joint Length:** 1,400 Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 9/1/1943 **Work Type:** Subbase - Aggregate **Code:** SB-AG **Is Major M&R:** True

Work Date: 9/2/1943 **Work Type:** Subbase - Aggregate **Code:** SB-AG **Is Major M&R:** True

Work Date: 9/3/1943 **Work Type:** Subbase - Aggregate **Code:** SB-AG **Is Major M&R:** True

Work Date: 9/4/1943 **Work Type:** New Construction - PCC **Code:** NC-PC **Is Major M&R:** True

Last Insp. Date: 3/1/2022 **TotalSamples:** 4 **Surveyed:** 4

Conditions: **PCI:** 53

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 20.00 Slabs **PCI:** 33

Sample Comments: Created by Inspection Schedule

63	LINEAR CR	M	1.00	Slabs
74	JOINT SPALL	L	3.00	Slabs
75	CORNER SPALL	L	1.00	Slabs
73	SHRINKAGE CR	N	16.00	Slabs
70	SCALING	H	1.00	Slabs
74	JOINT SPALL	H	1.00	Slabs
74	JOINT SPALL	H	2.00	Slabs
75	CORNER SPALL	M	2.00	Slabs
75	CORNER SPALL	L	1.00	Slabs
74	JOINT SPALL	M	3.00	Slabs
74	JOINT SPALL	M	3.00	Slabs
74	JOINT SPALL	L	4.00	Slabs
63	LINEAR CR	L	1.00	Slabs
70	SCALING	L	1.00	Slabs

Sample Number: 02 **Type:** R **Area:** 20.00 Slabs **PCI:** 62

Sample Comments: Created by Inspection Schedule

74	JOINT SPALL	M	3.00	Slabs
74	JOINT SPALL	L	3.00	Slabs
73	SHRINKAGE CR	N	5.00	Slabs
75	CORNER SPALL	L	4.00	Slabs
70	SCALING	L	2.00	Slabs
75	CORNER SPALL	L	3.00	Slabs
74	JOINT SPALL	M	5.00	Slabs
74	JOINT SPALL	L	7.00	Slabs

Sample Number: 03 **Type:** R **Area:** 16.00 Slabs **PCI:** 62

Sample Comments: Created by Inspection Schedule

75	CORNER SPALL	M	2.00	Slabs
75	CORNER SPALL	L	2.00	Slabs
75	CORNER SPALL	L	1.00	Slabs
73	SHRINKAGE CR	N	14.00	Slabs
74	JOINT SPALL	M	1.00	Slabs
75	CORNER SPALL	M	1.00	Slabs
74	JOINT SPALL	L	2.00	Slabs
74	JOINT SPALL	L	6.00	Slabs
74	JOINT SPALL	M	2.00	Slabs

Sample Number: 04 **Type:** R **Area:** 16.00 Slabs **PCI:** 59

Sample Comments: Created by Inspection Schedule

75	CORNER SPALL	L	4.00	Slabs
70	SCALING	L	1.00	Slabs

74	JOINT SPALL	M	3.00	Slabs
73	SHRINKAGE CR	N	15.00	Slabs
74	JOINT SPALL	L	4.00	Slabs
75	CORNER SPALL	L	1.00	Slabs
74	JOINT SPALL	M	1.00	Slabs
75	CORNER SPALL	M	1.00	Slabs
74	JOINT SPALL	L	6.00	Slabs

Network: Madras **Name:** Madras Municipal

Branch: A01MA **Name:** Apron 01 Madras **Use:** APRON **Area:** 217,755 SqFt

Section: 02 of 8 **From:** A01-01 **To:** A01-01 **Last Const.:** 9/4/1943

Surface: PCC **Family:** 2022_Central_Cat4/5_All Uses_PCC **Zone:** S33 **Category:** L **Rank:** P

Area: 7,200 SqFt **Length:** 90 Ft **Width:** 80 Ft

Slabs: 30 **Slab Length:** 16 Ft **Slab Width:** 15 Ft **Joint Length:** 760 Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 9/1/1943	**Work Type:** Subbase - Aggregate	**Code:** SB-AG	**Is Major M&R:** True
Work Date: 9/2/1943	**Work Type:** Subbase - Aggregate	**Code:** SB-AG	**Is Major M&R:** True
Work Date: 9/3/1943	**Work Type:** Subbase - Aggregate	**Code:** SB-AG	**Is Major M&R:** True
Work Date: 9/4/1943	**Work Type:** New Construction - PCC	**Code:** NC-PC	**Is Major M&R:** True

Last Insp. Date: 3/1/2022 **TotalSamples:** 2 **Surveyed:** 2

Conditions: **PCI:** 48

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 15.00 Slabs **PCI:** 37

Sample Comments: Created by Inspection Schedule

63	LINEAR CR	L	4.00	Slabs
62	CORNER BREAK	L	1.00	Slabs
73	SHRINKAGE CR	N	15.00	Slabs
72	SHAT. SLAB	L	6.00	Slabs
63	LINEAR CR	L	3.00	Slabs
72	SHAT. SLAB	L	2.00	Slabs

Sample Number: 02 **Type:** R **Area:** 15.00 Slabs **PCI:** 58

Sample Comments: Created by Inspection Schedule

72	SHAT. SLAB	L	1.00	Slabs
73	SHRINKAGE CR	N	15.00	Slabs
63	LINEAR CR	L	4.00	Slabs
63	LINEAR CR	L	9.00	Slabs
72	SHAT. SLAB	L	1.00	Slabs

Network: Madras **Name:** Madras Municipal

Branch: A01MA **Name:** Apron 01 Madras **Use:** APRON **Area:** 217,755 SqFt

Section: 03 of 8 **From:** A01-01 **To:** HANGAR **Last Const.:** 9/4/1943

Surface: PCC **Family:** 2022_Central_Cat4/5_All Uses_PCC **Zone:** S33 **Category:** L **Rank:** P

Area: 9,986 SqFt **Length:** 120 Ft **Width:** 80 Ft

Slabs: 72 **Slab Length:** 15 Ft **Slab Width:** 10 Ft **Joint Length:** 1,400 Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 9/1/1943 **Work Type:** Subbase - Aggregate **Code:** SB-AG **Is Major M&R:** True

Work Date: 9/2/1943 **Work Type:** Subbase - Aggregate **Code:** SB-AG **Is Major M&R:** True

Work Date: 9/3/1943 **Work Type:** Subbase - Aggregate **Code:** SB-AG **Is Major M&R:** True

Work Date: 9/4/1943 **Work Type:** New Construction - PCC **Code:** NC-PC **Is Major M&R:** True

Last Insp. Date: 3/1/2022 **TotalSamples:** 4 **Surveyed:** 4

Conditions: **PCI:** 81

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 20.00 Slabs **PCI:** 74

Sample Comments: Created by Inspection Schedule

74	JOINT SPALL	L	3.00	Slabs
75	CORNER SPALL	M	1.00	Slabs
74	JOINT SPALL	L	8.00	Slabs
75	CORNER SPALL	L	1.00	Slabs
75	CORNER SPALL	L	2.00	Slabs
74	JOINT SPALL	M	3.00	Slabs
75	CORNER SPALL	L	1.00	Slabs
75	CORNER SPALL	L	1.00	Slabs

Sample Number: 02 **Type:** R **Area:** 20.00 Slabs **PCI:** 89

Sample Comments: Created by Inspection Schedule

75	CORNER SPALL	L	1.00	Slabs
75	CORNER SPALL	L	1.00	Slabs
74	JOINT SPALL	L	2.00	Slabs
74	JOINT SPALL	L	3.00	Slabs

Sample Number: 03 **Type:** R **Area:** 16.00 Slabs **PCI:** 76

Sample Comments: Created by Inspection Schedule

73	SHRINKAGE CR	N	1.00	Slabs
74	JOINT SPALL	L	2.00	Slabs
74	JOINT SPALL	L	1.00	Slabs
75	CORNER SPALL	L	2.00	Slabs
74	JOINT SPALL	M	3.00	Slabs
74	JOINT SPALL	L	1.00	Slabs

Sample Number: 04 **Type:** R **Area:** 16.00 Slabs **PCI:** 84

Sample Comments: Created by Inspection Schedule

74	JOINT SPALL	L	3.00	Slabs
74	JOINT SPALL	L	2.00	Slabs
74	JOINT SPALL	M	1.00	Slabs
75	CORNER SPALL	L	1.00	Slabs

Network: Madras **Name:** Madras Municipal

Branch: A01MA **Name:** Apron 01 Madras **Use:** APRON **Area:** 217,755 SqFt

Section: 05 of 8 **From:** Section 02 **To:** Taxiway 02 **Last Const.:** 9/2/2011

Surface: PCC **Family:** 2022_Central_Cat4/5_All Uses_PCC **Zone:** S33 **Category:** L **Rank:** P

Area: 3,600 SqFt **Length:** 90 Ft **Width:** 40 Ft

Slabs: 18 **Slab Length:** 15 Ft **Slab Width:** 13 Ft **Joint Length:** 387 Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 1/1/1761 **Work Type:** New Construction - PCC **Code:** NC-PC **Is Major M&R:** True

Work Date: 9/1/2011 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

Work Date: 9/2/2011 **Work Type:** New Construction - PCC **Code:** NC-PC **Is Major M&R:** True

Last Insp. Date: 3/1/2022 **TotalSamples:** 1 **Surveyed:** 1

Conditions: **PCI:** 80

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 18.00 Slabs **PCI:** 80

Sample Comments: Created by Inspection Schedule

67	LARGE PATCH	L	1.00	Slabs
74	JOINT SPALL	L	5.00	Slabs
74	JOINT SPALL	L	6.00	Slabs
75	CORNER SPALL	M	1.00	Slabs

Network: Madras **Name:** Madras Municipal

Branch: A01MA **Name:** Apron 01 Madras **Use:** APRON **Area:** 217,755 SqFt

Section: 08 of 8 **From:** Concrete Pad **To:** See Map **Last Const.:** 9/4/1943

Surface: PCC **Family:** 2022_Central_Cat4/5_All Uses_PCC **Zone:** S33 **Category:** L **Rank:** P

Area: 7,200 SqFt **Length:** 90 Ft **Width:** 80 Ft

Slabs: 30 **Slab Length:** 15 Ft **Slab Width:** 16 Ft **Joint Length:** 760 Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 9/1/1943 **Work Type:** Subbase - Aggregate **Code:** SB-AG **Is Major M&R:** True

Work Date: 9/2/1943 **Work Type:** Subbase - Aggregate **Code:** SB-AG **Is Major M&R:** True

Work Date: 9/3/1943 **Work Type:** Subbase - Aggregate **Code:** SB-AG **Is Major M&R:** True

Work Date: 9/4/1943 **Work Type:** New Construction - PCC **Code:** NC-PC **Is Major M&R:** True

Last Insp. Date: 3/1/2022 **TotalSamples:** 2 **Surveyed:** 2

Conditions: **PCI:** 52

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 15.00 Slabs **PCI:** 45

Sample Comments: Created by Inspection Schedule

67	LARGE PATCH	L	3.00	Slabs
73	SHRINKAGE CR	N	15.00	Slabs
63	LINEAR CR	M	1.00	Slabs
63	LINEAR CR	L	8.00	Slabs
63	LINEAR CR	M	1.00	Slabs
63	LINEAR CR	L	4.00	Slabs
72	SHAT. SLAB	L	1.00	Slabs

Sample Number: 02 **Type:** R **Area:** 15.00 Slabs **PCI:** 59

Sample Comments: Created by Inspection Schedule

72	SHAT. SLAB	L	1.00	Slabs
63	LINEAR CR	L	9.00	Slabs
73	SHRINKAGE CR	N	15.00	Slabs
67	LARGE PATCH	L	3.00	Slabs
63	LINEAR CR	L	5.00	Slabs

Network: Madras **Name:** Madras Municipal

Branch: A01MA **Name:** Apron 01 Madras **Use:** APRON **Area:** 217,755 SqFt

Section: 07 of 8 **From:** See Map **To:** - **Last Const.:** 9/3/2011

Surface: AC **Family:** 2022_Central_Cat4/5_Apron_AC/AAC **Zone:** S33 **Category:** L **Rank:** P

Area: 54,712 SqFt **Length:** 405 Ft **Width:** 153 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 9/1/2011 **Work Type:** Subbase - Aggregate **Code:** SB-AG **Is Major M&R:** False

Work Date: 9/2/2011 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

Work Date: 9/3/2011 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

Last Insp. Date: 3/1/2022 **TotalSamples:** 10 **Surveyed:** 4

Conditions: **PCI:** 77

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 5000.00 SqFt **PCI:** 71

Sample Comments: Created by Inspection Schedule

48	L & T CR	M	100.00	Ft
48	L & T CR	L	25.00	Ft
57	WEATHERING	L	5000.00	SqFt
48	L & T CR	M	100.00	Ft

Sample Number: 04 **Type:** R **Area:** 5500.00 SqFt **PCI:** 73

Sample Comments: Created by Inspection Schedule

57	WEATHERING	L	5500.00	SqFt
48	L & T CR	M	200.00	Ft
48	L & T CR	L	8.00	Ft

Sample Number: 06 **Type:** R **Area:** 5500.00 SqFt **PCI:** 74

Sample Comments: Created by Inspection Schedule

57	WEATHERING	L	5500.00	SqFt
48	L & T CR	M	185.00	Ft

Sample Number: 09 **Type:** R **Area:** 5151.00 SqFt **PCI:** 91

Sample Comments: Created by Inspection Schedule

48	L & T CR	L	8.00	Ft
57	WEATHERING	L	5151.00	SqFt

Network: Madras **Name:** Madras Municipal

Branch: A01MA **Name:** Apron 01 Madras **Use:** APRON **Area:** 217,755 SqFt

Section: 06 of 8 **From:** See Map **To:** - **Last Const.:** 9/2/2011

Surface: AC **Family:** 2022_Central_Cat4/5_Apron_AC/AAC **Zone:** S33 **Category:** L **Rank:** P

Area: 48,610 SqFt **Length:** 319 Ft **Width:** 173 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 9/1/2011	**Work Type:** Subbase - Aggregate	**Code:** SB-AG	**Is Major M&R:** False
Work Date: 9/2/2011	**Work Type:** Base Course - Aggregate	**Code:** BA-AG	**Is Major M&R:** False
Work Date: 9/2/2011	**Work Type:** New Construction - AC	**Code:** NC-AC	**Is Major M&R:** True

Last Insp. Date: 3/1/2022 **TotalSamples:** 10 **Surveyed:** 4

Conditions: **PCI:** 90

Inspection Comments:

Sample Number: 02 **Type:** R **Area:** 5000.00 SqFt **PCI:** 90

Sample Comments: Created by Inspection Schedule

57	WEATHERING	L	5000.00	SqFt
48	L & T CR	L	23.00	Ft

Sample Number: 03 **Type:** R **Area:** 5000.00 SqFt **PCI:** 89

Sample Comments: Created by Inspection Schedule

57	WEATHERING	L	5000.00	SqFt
48	L & T CR	L	53.00	Ft

Sample Number: 05 **Type:** R **Area:** 5000.00 SqFt **PCI:** 91

Sample Comments: Created by Inspection Schedule

48	L & T CR	L	12.00	Ft
57	WEATHERING	L	5000.00	SqFt

Sample Number: 09 **Type:** R **Area:** 4500.00 SqFt **PCI:** 90

Sample Comments: Created by Inspection Schedule

48	L & T CR	L	15.00	Ft
57	WEATHERING	L	4500.00	SqFt

Network: Madras **Name:** Madras Municipal

Branch: A02MA **Name:** Apron 02 Madras **Use:** APRON **Area:** 7,200 SqFt

Section: 01 of 1 **From:** T04 **To:** T05 **Last Const.:** 9/1/1943

Surface: PCC **Family:** 2022_Central_Cat4/5_All Uses_PCC **Zone:** S33 **Category:** L **Rank:** P

Area: 7,200 SqFt **Length:** 90 Ft **Width:** 80 Ft

Slabs: 48 **Slab Length:** 15 Ft **Slab Width:** 10 Ft **Joint Length:** 1,030 Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 9/1/1943 **Work Type:** New Construction - PCC **Code:** NC-PC **Is Major M&R:** True

Last Insp. Date: 3/1/2022 **TotalSamples:** 2 **Surveyed:** 2

Conditions: **PCI:** 53

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 24.00 Slabs **PCI:** 44

Sample Comments: Created by Inspection Schedule

75	CORNER SPALL	L	3.00	Slabs
74	JOINT SPALL	L	4.00	Slabs
74	JOINT SPALL	M	7.00	Slabs
75	CORNER SPALL	H	2.00	Slabs
75	CORNER SPALL	M	1.00	Slabs
65	JT SEAL DMG	H	24.00	Slabs
75	CORNER SPALL	M	1.00	Slabs
74	JOINT SPALL	H	1.00	Slabs
74	JOINT SPALL	H	3.00	Slabs

Sample Number: 02 **Type:** R **Area:** 24.00 Slabs **PCI:** 63

Sample Comments: Created by Inspection Schedule

75	CORNER SPALL	L	1.00	Slabs
75	CORNER SPALL	L	4.00	Slabs
74	JOINT SPALL	L	2.00	Slabs
74	JOINT SPALL	M	3.00	Slabs
75	CORNER SPALL	M	2.00	Slabs
74	JOINT SPALL	M	6.00	Slabs
74	JOINT SPALL	L	2.00	Slabs

Network: Madras **Name:** Madras Municipal

Branch: A03MA **Name:** Apron 03 Madras **Use:** APRON **Area:** 17,265 SqFt

Section: 02 of 2 **From:** T06MA **To:** East End **Last Const.:** 9/1/1943

Surface: PCC **Family:** 2022_Central_Cat4/5_All Uses_PCC **Zone:** S33 **Category:** L **Rank:** P

Area: 7,200 SqFt **Length:** 80 Ft **Width:** 90 Ft

Slabs: 48 **Slab Length:** 15 Ft **Slab Width:** 10 Ft **Joint Length:** 1,030 Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 9/1/1943 **Work Type:** New Construction - PCC **Code:** NC-PC **Is Major M&R:** True

Last Insp. Date: 3/1/2022 **TotalSamples:** 2 **Surveyed:** 2

Conditions: **PCI:** 74

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 24.00 Slabs **PCI:** 72

Sample Comments: Created by Inspection Schedule

74	JOINT SPALL	M	6.00	Slabs
74	JOINT SPALL	H	2.00	Slabs

Sample Number: 02 **Type:** R **Area:** 24.00 Slabs **PCI:** 77

Sample Comments: Created by Inspection Schedule

74	JOINT SPALL	M	3.00	Slabs
75	CORNER SPALL	L	1.00	Slabs
74	JOINT SPALL	M	3.00	Slabs
75	CORNER SPALL	M	2.00	Slabs

Network: Madras **Name:** Madras Municipal

Branch: A03MA **Name:** Apron 03 Madras **Use:** APRON **Area:** 17,265 SqFt

Section: 01 of 2 **From:** North **To:** Edge **Last Const.:** 9/2/2011

Surface: PCC **Family:** 2022_Central_Cat4/5_All Uses_PCC **Zone:** S33 **Category:** L **Rank:** P

Area: 10,065 SqFt **Length:** 150 Ft **Width:** 113 Ft

Slabs: 102 **Slab Length:** 10 Ft **Slab Width:** 10 Ft **Joint Length:** 3,127 Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 9/1/2011 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

Work Date: 9/2/2011 **Work Type:** New Construction - PCC **Code:** NC-PC **Is Major M&R:** True

Last Insp. Date: 3/1/2022 **TotalSamples:** 6 **Surveyed:** 6

Conditions: **PCI:** 90

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 18.00 Slabs **PCI:** 98

Sample Comments: Created by Inspection Schedule

74	JOINT SPALL	L	1.00	Slabs

Sample Number: 02 **Type:** R **Area:** 18.00 Slabs **PCI:** 98

Sample Comments: Created by Inspection Schedule

75	CORNER SPALL	L	1.00	Slabs

Sample Number: 03 **Type:** R **Area:** 15.00 Slabs **PCI:** 89

Sample Comments: Created by Inspection Schedule

75	CORNER SPALL	L	2.00	Slabs
75	CORNER SPALL	L	3.00	Slabs

Sample Number: 04 **Type:** R **Area:** 15.00 Slabs **PCI:** 60

Sample Comments: Created by Inspection Schedule

74	JOINT SPALL	L	2.00	Slabs
63	LINEAR CR	L	6.00	Slabs
75	CORNER SPALL	H	1.00	Slabs
63	LINEAR CR	L	1.00	Slabs
63	LINEAR CR	M	1.00	Slabs
75	CORNER SPALL	M	1.00	Slabs

Sample Number: 05 **Type:** R **Area:** 18.00 Slabs **PCI:** 98

Sample Comments: Created by Inspection Schedule

74	JOINT SPALL	L	1.00	Slabs

Sample Number: 06 **Type:** R **Area:** 18.00 Slabs **PCI:** 91

Sample Comments: Created by Inspection Schedule

74	JOINT SPALL	L	3.00	Slabs
75	CORNER SPALL	L	2.00	Slabs

Network: Madras **Name:** Madras Municipal

Branch: A04MA **Name:** Apron 04 Madras **Use:** APRON **Area:** 7,200 SqFt

Section: 01 of 1 **From:** T07 **To:** T08 **Last Const.:** 9/1/1943

Surface: PCC **Family:** 2022_Central_Cat4/5_All Uses_PCC **Zone:** S33 **Category:** L **Rank:** P

Area: 7,200 SqFt **Length:** 90 Ft **Width:** 80 Ft

Slabs: 48 **Slab Length:** 15 Ft **Slab Width:** 10 Ft **Joint Length:** 1,030 Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 9/1/1943 **Work Type:** New Construction - PCC **Code:** NC-PC **Is Major M&R:** True

Last Insp. Date: 3/1/2022 **TotalSamples:** 2 **Surveyed:** 2

Conditions: **PCI:** 58

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 24.00 Slabs **PCI:** 67

Sample Comments: Created by Inspection Schedule

74	JOINT SPALL	M	4.00	Slabs
74	JOINT SPALL	M	3.00	Slabs
74	JOINT SPALL	H	1.00	Slabs
65	JT SEAL DMG	H	24.00	Slabs
75	CORNER SPALL	M	1.00	Slabs

Sample Number: 02 **Type:** R **Area:** 24.00 Slabs **PCI:** 50

Sample Comments: Created by Inspection Schedule

74	JOINT SPALL	M	2.00	Slabs
74	JOINT SPALL	H	1.00	Slabs
74	JOINT SPALL	M	3.00	Slabs
75	CORNER SPALL	L	2.00	Slabs
65	JT SEAL DMG	H	24.00	Slabs
74	JOINT SPALL	M	4.00	Slabs
75	CORNER SPALL	M	1.00	Slabs
74	JOINT SPALL	H	2.00	Slabs
75	CORNER SPALL	L	1.00	Slabs

Network: Madras **Name:** Madras Municipal

Branch: A05MA **Name:** Apron 05 Madras **Use:** APRON **Area:** 3,808 SqFt

Section: 01 of 1 **From:** T08 **To:** T09 **Last Const.:** 9/1/1943

Surface: PCC **Family:** 2022_Central_Cat4/5_All Uses_PCC **Zone:** S33 **Category:** L **Rank:** S

Area: 3,808 SqFt **Length:** 90 Ft **Width:** 42 Ft

Slabs: 30 **Slab Length:** 15 Ft **Slab Width:** 10 Ft **Joint Length:** 498 Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 9/1/1943 **Work Type:** New Construction - PCC **Code:** NC-PC **Is Major M&R:** True

Last Insp. Date: 3/1/2022 **TotalSamples:** 1 **Surveyed:** 1

Conditions: **PCI:** 51

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 30.00 Slabs **PCI:** 51

Sample Comments: Created by Inspection Schedule

74	JOINT SPALL	M	4.00	Slabs
74	JOINT SPALL	M	4.00	Slabs
74	JOINT SPALL	H	4.00	Slabs
74	JOINT SPALL	L	2.00	Slabs
75	CORNER SPALL	L	2.00	Slabs
75	CORNER SPALL	L	1.00	Slabs
75	CORNER SPALL	M	1.00	Slabs
65	JT SEAL DMG	H	30.00	Slabs
74	JOINT SPALL	L	6.00	Slabs

Network: Madras **Name:** Madras Municipal

Branch: A06MA **Name:** Apron 06 Madras **Use:** APRON **Area:** 99,289 SqFt

Section: 03 of 4 **From:** See Map **To:** --- **Last Const.:** 1/1/1943

Surface: PCC **Family:** 2022_Central_Cat4/5_All Uses_PCC **Zone:** S33 **Category:** L **Rank:** P

Area: 7,200 SqFt **Length:** 80 Ft **Width:** 90 Ft

Slabs: 48 **Slab Length:** 15 Ft **Slab Width:** 10 Ft **Joint Length:** 1,030 Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 1/1/1943 **Work Type:** New Construction - PCC **Code:** NC-PC **Is Major M&R:** True

Last Insp. Date: 3/1/2022 **TotalSamples:** 2 **Surveyed:** 2

Conditions: **PCI:** 29

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 24.00 Slabs **PCI:** 31

Sample Comments: Created by Inspection Schedule

75	CORNER SPALL	M	3.00	Slabs
73	SHRINKAGE CR	N	2.00	Slabs
74	JOINT SPALL	M	3.00	Slabs
74	JOINT SPALL	M	4.00	Slabs
75	CORNER SPALL	H	3.00	Slabs
65	JT SEAL DMG	H	24.00	Slabs
75	CORNER SPALL	M	4.00	Slabs
75	CORNER SPALL	H	3.00	Slabs
74	JOINT SPALL	H	6.00	Slabs
74	JOINT SPALL	H	5.00	Slabs
73	SHRINKAGE CR	N	1.00	Slabs

Sample Number: 02 **Type:** R **Area:** 24.00 Slabs **PCI:** 26

Sample Comments: Created by Inspection Schedule

75	CORNER SPALL	M	4.00	Slabs
74	JOINT SPALL	H	2.00	Slabs
63	LINEAR CR	M	2.00	Slabs
74	JOINT SPALL	H	7.00	Slabs
75	CORNER SPALL	H	3.00	Slabs
65	JT SEAL DMG	H	24.00	Slabs
74	JOINT SPALL	M	3.00	Slabs
75	CORNER SPALL	M	5.00	Slabs
75	CORNER SPALL	H	3.00	Slabs
74	JOINT SPALL	M	4.00	Slabs
63	LINEAR CR	L	1.00	Slabs
74	JOINT SPALL	M	3.00	Slabs

Network: Madras **Name:** Madras Municipal

Branch: A06MA **Name:** Apron 06 Madras **Use:** APRON **Area:** 99,289 SqFt

Section: 01 of 4 **From:** Hangar **To:** End **Last Const.:** 9/1/2015

Surface: AC **Family:** 2022_Central_Cat4/5_Apron_AC/AAC **Zone:** S33 **Category:** L **Rank:** P

Area: 65,066 SqFt **Length:** 195 Ft **Width:** 409 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 8/31/2015 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

Work Date: 9/1/2015 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

Last Insp. Date: 3/1/2022 **TotalSamples:** 12 **Surveyed:** 4

Conditions: **PCI:** 79

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 5000.00 SqFt **PCI:** 76

Sample Comments: Created by Inspection Schedule

48	L & T CR	L	111.00	Ft
57	WEATHERING	L	5000.00	SqFt
48	L & T CR	M	79.00	Ft

Sample Number: 02 **Type:** R **Area:** 5000.00 SqFt **PCI:** 73

Sample Comments: Created by Inspection Schedule

48	L & T CR	L	80.00	Ft
48	L & T CR	M	120.00	Ft
57	WEATHERING	L	5000.00	SqFt

Sample Number: 03 **Type:** R **Area:** 5000.00 SqFt **PCI:** 74

Sample Comments: Created by Inspection Schedule

48	L & T CR	L	42.00	Ft
48	L & T CR	M	23.00	Ft
48	L & T CR	M	100.00	Ft
57	WEATHERING	L	5000.00	SqFt

Sample Number: 08 **Type:** R **Area:** 5234.00 SqFt **PCI:** 92

Sample Comments: Created by Inspection Schedule

48	L & T CR	L	6.00	Ft
57	WEATHERING	L	5234.00	SqFt

Network: Madras **Name:** Madras Municipal

Branch: A06MA **Name:** Apron 06 Madras **Use:** APRON **Area:** 99,289 SqFt

Section: 04 of 4 **From:** T01MA **To:** A06MA-01 **Last Const.:** 9/1/1977

Surface: AAC **Family:** 2022_Central_Cat4/5_Apron_AC/AAC **Zone:** S33 **Category:** L **Rank:** P

Area: 19,823 SqFt **Length:** 50 Ft **Width:** 409 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 9/1/1943	**Work Type:** Subbase - Aggregate	**Code:** SB-AG	**Is Major M&R:** False
Work Date: 9/2/1943	**Work Type:** Base Course - Aggregate	**Code:** BA-AG	**Is Major M&R:** False
Work Date: 9/3/1943	**Work Type:** New Construction - AC	**Code:** NC-AC	**Is Major M&R:** True
Work Date: 9/1/1977	**Work Type:** Overlay - AC Structural	**Code:** OL-AS	**Is Major M&R:** True

Last Insp. Date: 3/1/2022 **TotalSamples:** 4 **Surveyed:** 3

Conditions: **PCI:** 94

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 5050.00 SqFt **PCI:** 94

Sample Comments: Created by Inspection Schedule

57	WEATHERING	L	5050.00	SqFt

Sample Number: 02 **Type:** R **Area:** 5050.00 SqFt **PCI:** 94

Sample Comments: Created by Inspection Schedule

57	WEATHERING	L	5050.00	SqFt

Sample Number: 03 **Type:** R **Area:** 5050.00 SqFt **PCI:** 94

Sample Comments: Created by Inspection Schedule

57	WEATHERING	L	5050.00	SqFt

Network: Madras **Name:** Madras Municipal

Branch: A06MA **Name:** Apron 06 Madras **Use:** APRON **Area:** 99,289 SqFt

Section: 02 of 4 **From:** See Map **To:** - **Last Const.:** 1/1/1943

Surface: PCC **Family:** 2022_Central_Cat4/5_All Uses_PCC **Zone:** S33 **Category:** L **Rank:** P

Area: 7,200 SqFt **Length:** 80 Ft **Width:** 90 Ft

Slabs: 48 **Slab Length:** 15 Ft **Slab Width:** 10 Ft **Joint Length:** 1,030 Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 1/1/1943 **Work Type:** New Construction - PCC **Code:** NC-PC **Is Major M&R:** True

Last Insp. Date: 3/1/2022 **TotalSamples:** 2 **Surveyed:** 2

Conditions: **PCI:** 43

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 24.00 Slabs **PCI:** 46

Sample Comments: Created by Inspection Schedule

74	JOINT SPALL	H	10.00	Slabs
75	CORNER SPALL	M	3.00	Slabs
65	JT SEAL DMG	H	24.00	Slabs
75	CORNER SPALL	H	4.00	Slabs

Sample Number: 02 **Type:** R **Area:** 24.00 Slabs **PCI:** 39

Sample Comments: Created by Inspection Schedule

75	CORNER SPALL	H	1.00	Slabs
74	JOINT SPALL	H	10.00	Slabs
75	CORNER SPALL	M	2.00	Slabs
75	CORNER SPALL	H	3.00	Slabs
65	JT SEAL DMG	H	24.00	Slabs
74	JOINT SPALL	H	3.00	Slabs
74	JOINT SPALL	M	2.00	Slabs

Network: Madras **Name:** Madras Municipal

Branch: AH16MA **Name:** Hold Apron 16 Madras **Use:** APRON **Area:** 33,992 SqFt

Section: 01 of 2 **From:** T03-02 **To:** EDGE **Last Const.:** 9/1/1977

Surface: AAC **Family:** 2022_Central_Cat4/5_Apron_AC/AAC **Zone:** S33 **Category:** L **Rank:** P

Area: 18,550 SqFt **Length:** 370 Ft **Width:** 50 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 9/1/1943	**Work Type:** Subbase - Aggregate	**Code:** SB-AG	**Is Major M&R:** True
Work Date: 9/2/1943	**Work Type:** Base Course - Aggregate	**Code:** BA-AG	**Is Major M&R:** True
Work Date: 9/3/1943	**Work Type:** New Construction - AC	**Code:** NC-AC	**Is Major M&R:** True
Work Date: 9/1/1977	**Work Type:** Overlay - AC Structural	**Code:** OL-AS	**Is Major M&R:** True
Work Date: 9/1/1990	**Work Type:** Surface Seal - Fog Seal	**Code:** SS-FS	**Is Major M&R:** False

Last Insp. Date: 3/1/2022 **TotalSamples:** 4 **Surveyed:** 3

Conditions: **PCI:** 94

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 5000.00 SqFt **PCI:** 94

Sample Comments: Created by Inspection Schedule

57	WEATHERING	L	5000.00	SqFt

Sample Number: 02 **Type:** R **Area:** 5000.00 SqFt **PCI:** 94

Sample Comments: Created by Inspection Schedule

57	WEATHERING	L	5000.00	SqFt

Sample Number: 04 **Type:** R **Area:** 3480.00 SqFt **PCI:** 94

Sample Comments:

57	WEATHERING	L	3480.00	SqFt

Network: Madras **Name:** Madras Municipal

Branch: AH16MA **Name:** Hold Apron 16 Madras **Use:** APRON **Area:** 33,992 SqFt

Section: 02 of 2 **From:** T02MA-02 **To:** End **Last Const.:** 7/1/2020

Surface: AC **Family:** 2022_Central_Cat4/5_Apron_AC/AAC **Zone:** **Category:** **Rank:** P

Area: 15,442 SqFt **Length:** 350 Ft **Width:** 100 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 7/1/2020 **Work Type:** New Construction - Initial **Code:** NU-IN **Is Major M&R:** True

Last Insp. Date: 3/1/2022 **TotalSamples:** 5 **Surveyed:** 3

Conditions: **PCI:** 94

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 4475.00 SqFt **PCI:** 94

Sample Comments:

57	WEATHERING	L	4475.00	SqFt

Sample Number: 03 **Type:** R **Area:** 2148.00 SqFt **PCI:** 94

Sample Comments:

57	WEATHERING	L	2148.00	SqFt

Sample Number: 05 **Type:** R **Area:** 4575.00 SqFt **PCI:** 94

Sample Comments:

57	WEATHERING	L	4575.00	SqFt

Network: Madras **Name:** Madras Municipal

Branch: AH34MA **Name:** Hold Apron 34 Madras **Use:** APRON **Area:** 13,127 SqFt

Section: 01 of 1 **From:** T03-02 **To:** EDGE **Last Const.:** 9/2/2004

Surface: AC **Family:** 2022_Central_Cat4/5_Apron_AC/AAC **Zone:** S33 **Category:** L **Rank:** P

Area: 13,127 SqFt **Length:** 240 Ft **Width:** 40 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 9/1/1943	**Work Type:** Subbase - Aggregate	**Code:** SB-AG	**Is Major M&R:** True
Work Date: 9/2/1943	**Work Type:** Base Course - Aggregate	**Code:** BA-AG	**Is Major M&R:** True
Work Date: 9/3/1943	**Work Type:** New Construction - AC	**Code:** NC-AC	**Is Major M&R:** True
Work Date: 9/1/1977	**Work Type:** Overlay - AC Structural	**Code:** OL-AS	**Is Major M&R:** True
Work Date: 9/1/1990	**Work Type:** Surface Seal - Fog Seal	**Code:** SS-FS	**Is Major M&R:** False
Work Date: 9/1/2004	**Work Type:** Base Course - Pulverized AC	**Code:** BA-PA	**Is Major M&R:** False
Work Date: 9/2/2004	**Work Type:** Complete Reconstruction - AC	**Code:** CR-AC	**Is Major M&R:** True
Work Date: 9/1/2012	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 9/1/2015	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False

Last Insp. Date: 3/1/2022 **TotalSamples:** 4 **Surveyed:** 3

Conditions: **PCI:** 94

Inspection Comments:

Sample Number: 02 **Type:** R **Area:** 2069.00 SqFt **PCI:** 94

Sample Comments: Created by Inspection Schedule

57	WEATHERING	L	2069.00	SqFt

Sample Number: 03 **Type:** R **Area:** 2037.00 SqFt **PCI:** 94

Sample Comments: Created by Inspection Schedule

57	WEATHERING	L	2037.00	SqFt

Sample Number: 04 **Type:** R **Area:** 5118.00 SqFt **PCI:** 94

Sample Comments: Created by Inspection Schedule

57	WEATHERING	L	5118.00	SqFt

Network: Madras **Name:** Madras Municipal

Branch: R04MA **Name:** Runway 04/22 Madras **Use:** RUNWAY **Area:** 134,997 SqFt

Section: 01 of 1 **From:** R03 END **To:** AO2-01 **Last Const.:** 8/1/1990

Surface: AC **Family:** 2022_Central_Cat4/5_RW_AC/AAC **Zone:** S33 **Category:** L **Rank:** S

Area: 134,997 SqFt **Length:** 2,700 Ft **Width:** 50 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 8/1/1943	**Work Type:** Base Course - Aggregate	**Code:** BA-AG	**Is Major M&R:** False
Work Date: 8/1/1990	**Work Type:** Complete Reconstruction - AC	**Code:** CR-AC	**Is Major M&R:** True
Work Date: 8/1/1997	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 9/1/2000	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 9/2/2000	**Work Type:** Surface Seal - Fog Seal	**Code:** SS-FS	**Is Major M&R:** False
Work Date: 6/1/2001	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 9/1/2008	**Work Type:** Crack Seal - Wide Cracks	**Code:** CS-WD	**Is Major M&R:** False
Work Date: 9/2/2008	**Work Type:** Patching - AC Deep	**Code:** PA-AD	**Is Major M&R:** False

Last Insp. Date: 3/1/2022 **TotalSamples:** 27 **Surveyed:** 5

Conditions: **PCI:** 57

Inspection Comments:

Sample Number: 05 **Type:** R **Area:** 5000.00 SqFt **PCI:** 66

Sample Comments: Created by Inspection Schedule

57	WEATHERING	M	5000.00	SqFt
50	PATCHING	L	375.00	SqFt
48	L & T CR	M	4.00	Ft
48	L & T CR	L	238.00	Ft
50	PATCHING	L	100.00	SqFt

Sample Number: 11 **Type:** R **Area:** 5000.00 SqFt **PCI:** 51

Sample Comments: Created by Inspection Schedule

57	WEATHERING	M	5000.00	SqFt
50	PATCHING	L	162.00	SqFt
48	L & T CR	L	205.00	Ft
41	ALLIGATOR CR	L	200.00	SqFt
50	PATCHING	L	150.00	SqFt

Sample Number: 16 **Type:** R **Area:** 5000.00 SqFt **PCI:** 54

Sample Comments: Created by Inspection Schedule

57	WEATHERING	M	5000.00	SqFt
48	L & T CR	L	97.00	Ft
50	PATCHING	L	200.00	SqFt
48	L & T CR	L	187.00	Ft
41	ALLIGATOR CR	M	60.00	SqFt

Sample Number: 21 **Type:** R **Area:** 5000.00 SqFt **PCI:** 69

Sample Comments: Created by Inspection Schedule

57	WEATHERING	M	5000.00	SqFt
48	L & T CR	L	250.00	Ft
48	L & T CR	L	167.00	Ft
50	PATCHING	L	82.00	SqFt
50	PATCHING	L	150.00	SqFt

Sample Number: 26 **Type:** R **Area:** 5000.00 SqFt **PCI:** 43

Sample Comments: Created by Inspection Schedule

48	L & T CR	M	4.00	Ft

50	PATCHING	M	17.00	SqFt
50	PATCHING	M	20.00	SqFt
50	PATCHING	L	250.00	SqFt
48	L & T CR	L	348.00	Ft
41	ALLIGATOR CR	M	72.00	SqFt
57	WEATHERING	M	5000.00	SqFt

Network: Madras **Name:** Madras Municipal

Branch: R16MA **Name:** Runway 16/34 Madras **Use:** RUNWAY **Area:** 381,750 SqFt

Section: 01 of 1 **From:** T01-01 **To:** R34 END **Last Const.:** 5/18/2015

Surface: AC **Family:** 2022_Central_Cat4/5_RW_AC/AAC **Zone:** S33 **Category:** L **Rank:** P

Area: 381,750 SqFt **Length:** 5,090 Ft **Width:** 75 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 8/1/1943	**Work Type:** Subbase - Aggregate	**Code:** SB-AG	**Is Major M&R:** False
Work Date: 9/1/1990	**Work Type:** Base Course - Aggregate	**Code:** BA-AG	**Is Major M&R:** False
Work Date: 9/2/1990	**Work Type:** Complete Reconstruction - AC	**Code:** CR-AC	**Is Major M&R:** True
Work Date: 8/1/1997	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 9/1/2000	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 9/2/2000	**Work Type:** Surface Seal - Fog Seal	**Code:** SS-FS	**Is Major M&R:** False
Work Date: 6/1/2001	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 9/1/2008	**Work Type:** Crack Seal - Wide Cracks	**Code:** CS-WD	**Is Major M&R:** False
Work Date: 9/2/2008	**Work Type:** Patching - AC Deep	**Code:** PA-AD	**Is Major M&R:** False
Work Date: 9/1/2012	**Work Type:** Patching - AC Deep	**Code:** PA-AD	**Is Major M&R:** False
Work Date: 5/15/2015	**Work Type:** Geotextile	**Code:** FB-TX	**Is Major M&R:** False
Work Date: 5/16/2015	**Work Type:** Subbase - Aggregate	**Code:** SB-AG	**Is Major M&R:** False
Work Date: 5/17/2015	**Work Type:** Base Course - Aggregate	**Code:** BA-AG	**Is Major M&R:** False
Work Date: 5/18/2015	**Work Type:** Complete Reconstruction - AC	**Code:** CR-AC	**Is Major M&R:** True

Last Insp. Date: 3/1/2022 **TotalSamples:** 68 **Surveyed:** 8

Conditions: **PCI:** 94

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 5625.00 SqFt **PCI:** 94

Sample Comments: Created by Inspection Schedule

57	WEATHERING	L	5625.00	SqFt

Sample Number: 04 **Type:** A **Area:** 5625.00 SqFt **PCI:** 89

Sample Comments:

57	WEATHERING	L	5000.00	SqFt
57	WEATHERING	M	625.00	SqFt

Sample Number: 13 **Type:** R **Area:** 5625.00 SqFt **PCI:** 94

Sample Comments: Created by Inspection Schedule

57	WEATHERING	L	5625.00	SqFt

Sample Number: 25 **Type:** R **Area:** 5625.00 SqFt **PCI:** 94

Sample Comments: Created by Inspection Schedule

57	WEATHERING	L	5625.00	SqFt

Sample Number: 37 **Type:** R **Area:** 5625.00 SqFt **PCI:** 94

Sample Comments: Created by Inspection Schedule

57	WEATHERING	L	5625.00	SqFt

Sample Number: 38 **Type:** A **Area:** 5625.00 SqFt **PCI:** 89

Sample Comments:

48	L & T CR	L	56.00	Ft
57	WEATHERING	L	5625.00	SqFt

Sample Number: 49 **Type:** R **Area:** 5625.00 SqFt **PCI:** 94

Sample Comments: Created by Inspection Schedule

57	WEATHERING	L	5625.00	SqFt

Sample Number: 65 **Type:** R **Area:** 5625.00 SqFt **PCI:** 94

Sample Comments: Created by Inspection Schedule

57	WEATHERING	L	5625.00	SqFt

Network: Madras **Name:** Madras Municipal

Branch: T01MA **Name:** Taxiway 01 Madras **Use:** TAXIWAY **Area:** 59,892 SqFt

Section: 02 of 3 **From:** T01MA-01 (old PCC) **To:** R16 End **Last Const.:** 8/1/1990

Surface: AC **Family:** 2022_Central_Cat4/5_Taxiway_AC/AAC **Zone:** S33 **Category:** L **Rank:** S

Area: 43,481 SqFt **Length:** 1,250 Ft **Width:** 35 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 8/1/1943	**Work Type:** Base Course - Aggregate	**Code:** BA-AG	**Is Major M&R:** True
Work Date: 8/1/1990	**Work Type:** New Construction - AC	**Code:** NC-AC	**Is Major M&R:** True
Work Date: 9/1/2000	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 6/1/2001	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 9/1/2008	**Work Type:** Crack Seal - Wide Cracks	**Code:** CS-WD	**Is Major M&R:** False
Work Date: 9/1/2015	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 9/2/2015	**Work Type:** Patching - AC Deep	**Code:** PA-AD	**Is Major M&R:** False

Last Insp. Date: 3/1/2022 **TotalSamples:** 8 **Surveyed:** 4

Conditions: **PCI:** 67

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 4275.00 SqFt **PCI:** 70

Sample Comments: Created by Inspection Schedule

50	PATCHING	L	64.00	SqFt
48	L & T CR	L	16.00	Ft
48	L & T CR	L	175.00	Ft
57	WEATHERING	M	4275.00	SqFt

Sample Number: 02 **Type:** R **Area:** 5250.00 SqFt **PCI:** 65

Sample Comments: Created by Inspection Schedule

50	PATCHING	L	105.00	SqFt
57	WEATHERING	M	5250.00	SqFt
48	L & T CR	L	75.00	Ft
48	L & T CR	M	20.00	Ft

Sample Number: 04 **Type:** R **Area:** 5250.00 SqFt **PCI:** 70

Sample Comments: Created by Inspection Schedule

48	L & T CR	M	125.00	Ft
50	PATCHING	L	91.00	SqFt
57	WEATHERING	M	5250.00	SqFt

Sample Number: 06 **Type:** R **Area:** 5250.00 SqFt **PCI:** 65

Sample Comments: Created by Inspection Schedule

48	L & T CR	L	80.00	Ft
50	PATCHING	L	70.00	SqFt
57	WEATHERING	M	5250.00	SqFt
48	L & T CR	M	100.00	Ft

Network: Madras **Name:** Madras Municipal

Branch: T01MA **Name:** Taxiway 01 Madras **Use:** TAXIWAY **Area:** 59,892 SqFt

Section: 01 of 3 **From:** R22 End **To:** T01MA-02 **Last Const.:** 9/1/2012

Surface: APC **Family:** 2022_Central_Cat4/5_All Uses_APC **Zone:** S33 **Category:** L **Rank:** S

Area: 12,036 SqFt **Length:** 370 Ft **Width:** 35 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 8/1/1943 **Work Type:** Subbase - Aggregate **Code:** SB-AG **Is Major M&R:** False

Work Date: 8/2/1943 **Work Type:** New Construction - PCC **Code:** NC-PC **Is Major M&R:** True

Work Date: 9/1/2012 **Work Type:** Overlay - AC Structural **Code:** OL-AS **Is Major M&R:** True

Last Insp. Date: 3/1/2022 **TotalSamples:** 2 **Surveyed:** 2

Conditions: **PCI:** 84

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 6275.00 SqFt **PCI:** 83

Sample Comments: Created by Inspection Schedule

57	WEATHERING	L	6275.00	SqFt
48	L & T CR	L	24.00	Ft
47	JT REF. CR	L	60.00	Ft
48	L & T CR	M	16.00	Ft

Sample Number: 02 **Type:** R **Area:** 5761.00 SqFt **PCI:** 85

Sample Comments: Created by Inspection Schedule

57	WEATHERING	L	5761.00	SqFt
48	L & T CR	L	58.00	Ft
48	L & T CR	M	3.00	Ft

Network: Madras **Name:** Madras Municipal

Branch: T01MA **Name:** Taxiway 01 Madras **Use:** TAXIWAY **Area:** 59,892 SqFt

Section: 03 of 3 **From:** T01MA-02 **To:** R16 End **Last Const.:** 5/18/2015

Surface: AC **Family:** 2022_Central_Cat4/5_Taxiway_AC/AAC **Zone:** S33 **Category:** L **Rank:** S

Area: 4,375 SqFt **Length:** 125 Ft **Width:** 35 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 5/15/2015	**Work Type:** Geotextile	**Code:** FB-TX	**Is Major M&R:** False
Work Date: 5/16/2015	**Work Type:** Subbase - Aggregate	**Code:** SB-AG	**Is Major M&R:** False
Work Date: 5/17/2015	**Work Type:** Base Course - Aggregate	**Code:** BA-AG	**Is Major M&R:** False
Work Date: 5/18/2015	**Work Type:** Complete Reconstruction - AC	**Code:** CR-AC	**Is Major M&R:** True

Last Insp. Date: 3/1/2022 **TotalSamples:** 1 **Surveyed:** 1

Conditions: **PCI:** 89

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 4375.00 SqFt **PCI:** 89

Sample Comments: Created by Inspection Schedule

48	L & T CR	L	46.00	Ft
57	WEATHERING	L	4375.00	SqFt

Network: Madras **Name:** Madras Municipal

Branch: T02MA **Name:** Taxiway 02 Madras **Use:** TAXIWAY **Area:** 202,245 SqFt

Section: 04 of 5 **From:** Section 03 **To:** Section 05 **Last Const.:** 7/1/2020

Surface: AC **Family:** 2022_Central_Cat4/5_Taxiway_AC/AAC **Zone:** S33 **Category:** L **Rank:** P

Area: 27,685 SqFt **Length:** 650 Ft **Width:** 35 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 8/1/1943	**Work Type:** Base Course - Aggregate	**Code:** BA-AG	**Is Major M&R:** False
Work Date: 8/1/1990	**Work Type:** Surface Course - AC	**Code:** SU-AC	**Is Major M&R:** True
Work Date: 9/1/2000	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 9/2/2000	**Work Type:** Surface Seal - Fog Seal	**Code:** SS-FS	**Is Major M&R:** False
Work Date: 6/1/2001	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 9/1/2008	**Work Type:** Crack Seal - Wide Cracks	**Code:** CS-WD	**Is Major M&R:** False
Work Date: 9/1/2012	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 9/2/2012	**Work Type:** Patching - AC Deep	**Code:** PA-AD	**Is Major M&R:** False
Work Date: 9/1/2015	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 7/1/2020	**Work Type:** New Construction - AC	**Code:** NC-AC	**Is Major M&R:** True

Last Insp. Date: 3/1/2022 **TotalSamples:** 6 **Surveyed:** 3

Conditions: **PCI:** 100

Inspection Comments:

Sample Number: 02 **Type:** R **Area:** 5250.00 SqFt **PCI:** 100

Sample Comments: Created by Inspection Schedule

<No Distress>

Sample Number: 03 **Type:** R **Area:** 5250.00 SqFt **PCI:** 100

Sample Comments: Created by Inspection Schedule

<No Distress>

Sample Number: 04 **Type:** R **Area:** 5250.00 SqFt **PCI:** 100

Sample Comments: Created by Inspection Schedule

<No Distress>

Network: Madras **Name:** Madras Municipal

Branch: T02MA **Name:** Taxiway 02 Madras **Use:** TAXIWAY **Area:** 202,245 SqFt

Section: 03 of 5 **From:** T03-01 **To:** T03-03 **Last Const.:** 7/1/2020

Surface: AC **Family:** 2022_Central_Cat4/5_Taxiway_AC/AAC **Zone:** S33 **Category:** L **Rank:** P

Area: 126,238 SqFt **Length:** 3,607 Ft **Width:** 35 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 8/1/1943	**Work Type:** Subbase - Aggregate	**Code:** SB-AG	**Is Major M&R:** False
Work Date: 8/2/1943	**Work Type:** Base Course - Aggregate	**Code:** BA-AG	**Is Major M&R:** False
Work Date: 8/3/1943	**Work Type:** New Construction - AC	**Code:** NC-AC	**Is Major M&R:** True
Work Date: 8/1/1977	**Work Type:** Overlay - AC Structural	**Code:** OL-AS	**Is Major M&R:** True
Work Date: 8/1/1990	**Work Type:** Surface Seal - Fog Seal	**Code:** SS-FS	**Is Major M&R:** False
Work Date: 9/1/2004	**Work Type:** Base Course - Pulverized AC	**Code:** BA-PA	**Is Major M&R:** False
Work Date: 9/2/2004	**Work Type:** Complete Reconstruction - AC	**Code:** CR-AC	**Is Major M&R:** True
Work Date: 9/1/2012	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 9/1/2015	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 7/1/2020	**Work Type:** New Construction - AC	**Code:** NC-AC	**Is Major M&R:** True

Last Insp. Date: 3/1/2022 **TotalSamples:** 24 **Surveyed:** 5

Conditions: **PCI:** 100

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 5250.00 SqFt **PCI:** 100

Sample Comments: Created by Inspection Schedule

<No Distress>

Sample Number: 08 **Type:** R **Area:** 5250.00 SqFt **PCI:** 100

Sample Comments: Created by Inspection Schedule

<No Distress>

Sample Number: 13 **Type:** R **Area:** 5250.00 SqFt **PCI:** 100

Sample Comments: Created by Inspection Schedule

<No Distress>

Sample Number: 17 **Type:** R **Area:** 5250.00 SqFt **PCI:** 100

Sample Comments: Created by Inspection Schedule

<No Distress>

Sample Number: 22 **Type:** R **Area:** 5250.00 SqFt **PCI:** 100

Sample Comments: Created by Inspection Schedule

<No Distress>

Network: Madras **Name:** Madras Municipal

Branch: T02MA **Name:** Taxiway 02 Madras **Use:** TAXIWAY **Area:** 202,245 SqFt

Section: 02 of 5 **From:** Section 01 **To:** T03-02 **Last Const.:** 7/1/2020

Surface: AC **Family:** 2022_Central_Cat4/5_Taxiway_AC/AAC **Zone:** S33 **Category:** L **Rank:** P

Area: 27,340 SqFt **Length:** 775 Ft **Width:** 35 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 8/1/1943	**Work Type:** Base Course - Aggregate	**Code:** BA-AG	**Is Major M&R:** False
Work Date: 8/1/1990	**Work Type:** Surface Course - AC	**Code:** SU-AC	**Is Major M&R:** True
Work Date: 9/1/2000	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 9/2/2000	**Work Type:** Surface Seal - Fog Seal	**Code:** SS-FS	**Is Major M&R:** False
Work Date: 9/1/2008	**Work Type:** Crack Seal - Wide Cracks	**Code:** CS-WD	**Is Major M&R:** False
Work Date: 9/1/2012	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 9/2/2012	**Work Type:** Patching - AC Deep	**Code:** PA-AD	**Is Major M&R:** False
Work Date: 9/1/2015	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 7/1/2020	**Work Type:** Complete Reconstruction - AC	**Code:** CR-AC	**Is Major M&R:** True

Last Insp. Date: 3/1/2022 **TotalSamples:** 6 **Surveyed:** 4

Conditions: **PCI:** 94

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 2750.00 SqFt **PCI:** 94

Sample Comments: Created by Inspection Schedule

57	WEATHERING	L	2750.00	SqFt

Sample Number: 03 **Type:** R **Area:** 5250.00 SqFt **PCI:** 94

Sample Comments: Created by Inspection Schedule

57	WEATHERING	L	5250.00	SqFt

Sample Number: 04 **Type:** R **Area:** 5250.00 SqFt **PCI:** 94

Sample Comments: Created by Inspection Schedule

57	WEATHERING	L	5250.00	SqFt

Sample Number: 06 **Type:** R **Area:** 3550.00 SqFt **PCI:** 94

Sample Comments:

57	WEATHERING	L	3550.00	SqFt

Network: Madras **Name:** Madras Municipal

Branch: T02MA **Name:** Taxiway 02 Madras **Use:** TAXIWAY **Area:** 202,245 SqFt

Section: 05 of 5 **From:** Section 04 **To:** R34 End **Last Const.:** 5/18/2015

Surface: AC **Family:** 2022_Central_Cat4/5_Taxiway_AC/AAC **Zone:** S33 **Category:** L **Rank:** P

Area: 10,910 SqFt **Length:** 215 Ft **Width:** 35 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 5/15/2015	**Work Type:** Geotextile	**Code:** FB-TX	**Is Major M&R:** False
Work Date: 5/16/2015	**Work Type:** Subbase - Aggregate	**Code:** SB-AG	**Is Major M&R:** False
Work Date: 5/17/2015	**Work Type:** Base Course - Aggregate	**Code:** BA-AG	**Is Major M&R:** False
Work Date: 5/18/2015	**Work Type:** Complete Reconstruction - AC	**Code:** CR-AC	**Is Major M&R:** True

Last Insp. Date: 3/1/2022 **TotalSamples:** 3 **Surveyed:** 2

Conditions: **PCI:** 94

Inspection Comments:

Sample Number: 02 **Type:** R **Area:** 3117.00 SqFt **PCI:** 94

Sample Comments: Created by Inspection Schedule

57	WEATHERING	L	3117.00	SqFt

Sample Number: 03 **Type:** R **Area:** 4388.00 SqFt **PCI:** 94

Sample Comments: Created by Inspection Schedule

57	WEATHERING	L	4388.00	SqFt

Network: Madras **Name:** Madras Municipal

Branch: T02MA **Name:** Taxiway 02 Madras **Use:** TAXIWAY **Area:** 202,245 SqFt

Section: 01 of 5 **From:** R16 End **To:** T02MA-02 **Last Const.:** 5/18/2015

Surface: AC **Family:** 2022_Central_Cat4/5_Taxiway_AC/AAC **Zone:** S33 **Category:** L **Rank:** P

Area: 10,072 SqFt **Length:** 205 Ft **Width:** 35 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 5/15/2015	**Work Type:** Geotextile	**Code:** FB-TX	**Is Major M&R:** False
Work Date: 5/16/2015	**Work Type:** Subbase - Aggregate	**Code:** SB-AG	**Is Major M&R:** False
Work Date: 5/17/2015	**Work Type:** Base Course - Aggregate	**Code:** BA-AG	**Is Major M&R:** False
Work Date: 5/18/2015	**Work Type:** Complete Reconstruction - AC	**Code:** CR-AC	**Is Major M&R:** True

Last Insp. Date: 3/1/2022 **TotalSamples:** 3 **Surveyed:** 2

Conditions: **PCI:** 86

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 3847.00 SqFt **PCI:** 86

Sample Comments: Created by Inspection Schedule

57	WEATHERING	L	3000.00	SqFt
57	WEATHERING	M	847.00	SqFt

Sample Number: 02 **Type:** R **Area:** 3601.00 SqFt **PCI:** 86

Sample Comments: Created by Inspection Schedule

57	WEATHERING	L	3300.00	SqFt
57	WEATHERING	M	301.00	SqFt
48	L & T CR	L	10.00	Ft

Network: Madras **Name:** Madras Municipal

Branch: T03MA **Name:** Taxiway 03 Madras **Use:** TAXIWAY **Area:** 27,636 SqFt

Section: 02 of 2 **From:** Section 01 **To:** T02MA **Last Const.:** 7/1/2020

Surface: AC **Family:** 2022_Central_Cat4/5_Taxiway_AC/AAC **Zone:** S33 **Category:** L **Rank:** P

Area: 20,650 SqFt **Length:** 460 Ft **Width:** 35 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 8/1/1990	**Work Type:** Base Course - Aggregate	**Code:** BA-AG	**Is Major M&R:** False
Work Date: 8/2/1990	**Work Type:** New Construction - AC	**Code:** NC-AC	**Is Major M&R:** True
Work Date: 9/1/2000	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 9/2/2000	**Work Type:** Surface Seal - Fog Seal	**Code:** SS-FS	**Is Major M&R:** False
Work Date: 6/1/2001	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 9/1/2008	**Work Type:** Crack Seal - Wide Cracks	**Code:** CS-WD	**Is Major M&R:** False
Work Date: 9/1/2012	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 9/2/2012	**Work Type:** Patching - AC Deep	**Code:** PA-AD	**Is Major M&R:** False
Work Date: 9/1/2015	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 7/1/2020	**Work Type:** New Construction - AC	**Code:** NC-AC	**Is Major M&R:** True

Last Insp. Date: 3/1/2022 **TotalSamples:** 4 **Surveyed:** 3

Conditions: **PCI:** 94

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 5250.00 SqFt **PCI:** 94

Sample Comments: Created by Inspection Schedule

57	WEATHERING	L	5250.00	SqFt

Sample Number: 02 **Type:** R **Area:** 5250.00 SqFt **PCI:** 94

Sample Comments: Created by Inspection Schedule

57	WEATHERING	L	5250.00	SqFt

Sample Number: 04 **Type:** R **Area:** 5157.00 SqFt **PCI:** 94

Sample Comments:

57	WEATHERING	L	5157.00	SqFt

Network: Madras **Name:** Madras Municipal

Branch: T03MA **Name:** Taxiway 03 Madras **Use:** TAXIWAY **Area:** 27,636 SqFt

Section: 01 of 2 **From:** R16-34 **To:** Section 02 **Last Const.:** 5/18/2015

Surface: AC **Family:** 2022_Central_Cat4/5_Taxiway_AC/AAC **Zone:** S33 **Category:** L **Rank:** P

Area: 6,986 SqFt **Length:** 163 Ft **Width:** 35 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 5/15/2015	**Work Type:** Geotextile	**Code:** FB-TX	**Is Major M&R:** False
Work Date: 5/16/2015	**Work Type:** Subbase - Aggregate	**Code:** SB-AG	**Is Major M&R:** False
Work Date: 5/17/2015	**Work Type:** Base Course - Aggregate	**Code:** BA-AG	**Is Major M&R:** False
Work Date: 5/18/2015	**Work Type:** Complete Reconstruction - AC	**Code:** CR-AC	**Is Major M&R:** True

Last Insp. Date: 3/1/2022 **TotalSamples:** 1 **Surveyed:** 1

Conditions: **PCI:** 94

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 6985.00 SqFt **PCI:** 94

Sample Comments: Created by Inspection Schedule

57	WEATHERING	L	6985.00	SqFt

Network: Madras **Name:** Madras Municipal

Branch: T04MA **Name:** Taxiway 04 Madras **Use:** TAXIWAY **Area:** 6,892 SqFt

Section: 01 of 1 **From:** T02 **To:** A03 **Last Const.:** 9/3/2011

Surface: AC **Family:** 2022_Central_Cat4/5_Taxiway_AC/AAC **Zone:** S33 **Category:** L **Rank:** P

Area: 6,892 SqFt **Length:** 128 Ft **Width:** 40 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 9/1/2011	**Work Type:** Subbase - Aggregate	**Code:** SB-AG	**Is Major M&R:** False
Work Date: 9/2/2011	**Work Type:** Base Course - Aggregate	**Code:** BA-AG	**Is Major M&R:** False
Work Date: 9/3/2011	**Work Type:** New Construction - AC	**Code:** NC-AC	**Is Major M&R:** True

Last Insp. Date: 3/1/2022 **TotalSamples:** 1 **Surveyed:** 1

Conditions: **PCI:** 89

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 6892.00 SqFt **PCI:** 89

Sample Comments: Created by Inspection Schedule

48	L & T CR	L	42.00	Ft
48	L & T CR	L	13.00	Ft
57	WEATHERING	L	6892.00	SqFt

Network: Madras **Name:** Madras Municipal

Branch: T05MA **Name:** Taxiway 05 Madras **Use:** TAXIWAY **Area:** 3,500 SqFt

Section: 01 of 1 **From:** A03 **To:** A04 **Last Const.:** 9/3/2011

Surface: AC **Family:** 2022_Central_Cat4/5_Taxiway_AC/AAC **Zone:** S33 **Category:** L **Rank:** P

Area: 3,500 SqFt **Length:** 70 Ft **Width:** 50 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 9/1/2011 **Work Type:** Subbase - Aggregate **Code:** SB-AG **Is Major M&R:** False

Work Date: 9/2/2011 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

Work Date: 9/3/2011 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

Last Insp. Date: 3/1/2022 **TotalSamples:** 1 **Surveyed:** 1

Conditions: **PCI:** 94

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 3500.00 SqFt **PCI:** 94

Sample Comments: Created by Inspection Schedule

57	WEATHERING	L	3500.00	SqFt

Network: Madras **Name:** Madras Municipal

Branch: T06MA **Name:** Taxiway 06 Madras **Use:** TAXIWAY **Area:** 19,816 SqFt

Section: 01 of 1 **From:** T02 **To:** A04 **Last Const.:** 9/3/2011

Surface: AC **Family:** 2022_Central_Cat4/5_Taxiway_AC/AAC **Zone:** S33 **Category:** L **Rank:** P

Area: 19,816 SqFt **Length:** 128 Ft **Width:** 150 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 9/1/2011 **Work Type:** Subbase - Aggregate **Code:** SB-AG **Is Major M&R:** False

Work Date: 9/2/2011 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

Work Date: 9/3/2011 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

Last Insp. Date: 3/1/2022 **TotalSamples:** 4 **Surveyed:** 3

Conditions: **PCI:** 90

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 4032.00 SqFt **PCI:** 86

Sample Comments: Created by Inspection Schedule

57	WEATHERING	L	4032.00	SqFt
48	L & T CR	L	100.00	Ft

Sample Number: 03 **Type:** R **Area:** 5875.00 SqFt **PCI:** 91

Sample Comments: Created by Inspection Schedule

48	L & T CR	L	9.00	Ft
57	WEATHERING	L	5875.00	SqFt

Sample Number: 04 **Type:** R **Area:** 5875.00 SqFt **PCI:** 92

Sample Comments: Created by Inspection Schedule

57	WEATHERING	L	5875.00	SqFt
48	L & T CR	L	6.00	Ft

Network: Madras **Name:** Madras Municipal

Branch: T07MA **Name:** Taxiway 07 Madras **Use:** TAXIWAY **Area:** 3,500 SqFt

Section: 01 of 1 **From:** A04 **To:** A05 **Last Const.:** 9/3/2011

Surface: AC **Family:** 2022_Central_Cat4/5_Taxiway_AC/AAC **Zone:** S33 **Category:** L **Rank:** P

Area: 3,500 SqFt **Length:** 70 Ft **Width:** 50 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 9/1/2011 **Work Type:** Subbase - Aggregate **Code:** SB-AG **Is Major M&R:** False

Work Date: 9/2/2011 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

Work Date: 9/3/2011 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

Last Insp. Date: 3/1/2022 **TotalSamples:** 1 **Surveyed:** 1

Conditions: **PCI:** 94

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 3500.00 SqFt **PCI:** 94

Sample Comments: Created by Inspection Schedule

57	WEATHERING	L	3500.00	SqFt

Network: Madras **Name:** Madras Municipal

Branch: T08MA **Name:** Taxiway 08 Madras **Use:** TAXIWAY **Area:** 10,660 SqFt

Section: 01 of 1 **From:** T02 **To:** A04 **Last Const.:** 9/3/2011

Surface: AC **Family:** 2022_Central_Cat4/5_Taxiway_AC/AAC **Zone:** S33 **Category:** L **Rank:** P

Area: 10,660 SqFt **Length:** 128 Ft **Width:** 40 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 9/1/2011 **Work Type:** Subbase - Aggregate **Code:** SB-AG **Is Major M&R:** False

Work Date: 9/2/2011 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

Work Date: 9/3/2011 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

Last Insp. Date: 3/1/2022 **TotalSamples:** 2 **Surveyed:** 2

Conditions: **PCI:** 88

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 5677.00 SqFt **PCI:** 91

Sample Comments: Created by Inspection Schedule

48	L & T CR	L	15.00	Ft
57	WEATHERING	L	5677.00	SqFt

Sample Number: 02 **Type:** R **Area:** 4981.00 SqFt **PCI:** 85

Sample Comments: Created by Inspection Schedule

48	L & T CR	L	2.00	Ft
57	WEATHERING	L	4981.00	SqFt
50	PATCHING	L	168.00	SqFt

Network: Madras **Name:** Madras Municipal

Branch: T09MA **Name:** Taxiway 09 Madras **Use:** TAXIWAY **Area:** 19,115 SqFt

Section: 04 of 4 **From:** T09-03 **To:** T11-01 **Last Const.:** 9/2/1998

Surface: AC **Family:** 2022_Central_Cat4/5_Taxiway_AC/AAC **Zone:** S33 **Category:** L **Rank:** S

Area: 7,805 SqFt **Length:** 461 Ft **Width:** 20 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 9/1/1998	**Work Type:** Base Course - Unknown (Major MR)	**Code:** BA-UN	**Is Major M&R:** True
Work Date: 9/2/1998	**Work Type:** New Construction - AC	**Code:** NC-AC	**Is Major M&R:** True
Work Date: 9/1/2008	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 9/1/2012	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 9/1/2015	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False

Last Insp. Date: 3/1/2022 **TotalSamples:** 2 **Surveyed:** 2

Conditions: **PCI:** 64

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 4335.00 SqFt **PCI:** 72

Sample Comments: Created by Inspection Schedule

48	L & T CR	L	20.00	Ft
48	L & T CR	L	35.00	Ft
48	L & T CR	M	100.00	Ft
48	L & T CR	M	26.00	Ft
57	WEATHERING	M	4335.00	SqFt

Sample Number: 02 **Type:** R **Area:** 3470.00 SqFt **PCI:** 54

Sample Comments: Created by Inspection Schedule

41	ALLIGATOR CR	M	20.00	SqFt
57	WEATHERING	L	3470.00	SqFt
48	L & T CR	L	34.00	Ft
48	L & T CR	M	297.00	Ft
41	ALLIGATOR CR	M	8.00	SqFt

Network: Madras **Name:** Madras Municipal

Branch: T09MA **Name:** Taxiway 09 Madras **Use:** TAXIWAY **Area:** 19,115 SqFt

Section: 01 of 4 **From:** T11 **To:** T09-02 **Last Const.:** 9/1/1998

Surface: APC **Family:** 2022_Central_Cat4/5_All Uses_APC **Zone:** S33 **Category:** L **Rank:** S

Area: 2,535 SqFt **Length:** 70 Ft **Width:** 45 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 9/1/1943	**Work Type:** Subbase - Unknown (Major MR)	**Code:** SB-UN	**Is Major M&R:** True
Work Date: 9/2/1943	**Work Type:** New Construction - PCC	**Code:** NC-PC	**Is Major M&R:** True
Work Date: 9/1/1998	**Work Type:** Overlay - AC Thin	**Code:** OL-AT	**Is Major M&R:** True
Work Date: 9/1/2012	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 9/1/2015	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False

Last Insp. Date: 3/1/2022 **TotalSamples:** 1 **Surveyed:** 1

Conditions: **PCI:** 71

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 2086.00 SqFt **PCI:** 71

Sample Comments: Created by Inspection Schedule

57	WEATHERING	M	2086.00	SqFt
47	JT REF. CR	M	10.00	Ft
47	JT REF. CR	L	106.00	Ft

Network: Madras **Name:** Madras Municipal

Branch: T09MA **Name:** Taxiway 09 Madras **Use:** TAXIWAY **Area:** 19,115 SqFt

Section: 02 of 4 **From:** T09-01 **To:** T09-03 **Last Const.:** 9/2/1998

Surface: AC **Family:** 2022_Central_Cat4/5_Taxiway_AC/AAC **Zone:** S33 **Category:** L **Rank:** S

Area: 4,725 SqFt **Length:** 105 Ft **Width:** 45 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 9/1/1998	**Work Type:** Base Course - Unknown (Major MR)	**Code:** BA-UN	**Is Major M&R:** True
Work Date: 9/2/1998	**Work Type:** New Construction - AC	**Code:** NC-AC	**Is Major M&R:** True
Work Date: 9/1/2008	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 9/1/2012	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 9/1/2015	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False

Last Insp. Date: 3/1/2022 **TotalSamples:** 1 **Surveyed:** 1

Conditions: **PCI:** 71

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 4725.00 SqFt **PCI:** 71

Sample Comments: Created by Inspection Schedule

57	WEATHERING	M	4725.00	SqFt
47	JT REF. CR	L	185.00	Ft
50	PATCHING	L	24.00	SqFt
47	JT REF. CR	M	8.00	Ft
47	JT REF. CR	L	193.00	Ft

Network: Madras **Name:** Madras Municipal

Branch: T09MA **Name:** Taxiway 09 Madras **Use:** TAXIWAY **Area:** 19,115 SqFt

Section: 03 of 4 **From:** T09-02 **To:** T09-04 **Last Const.:** 9/1/1998

Surface: APC **Family:** 2022_Central_Cat4/5_All Uses_APC **Zone:** S33 **Category:** L **Rank:** S

Area: 4,050 SqFt **Length:** 90 Ft **Width:** 45 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 9/1/1943	**Work Type:** Subbase - Unknown (Major MR)	**Code:** SB-UN	**Is Major M&R:** True
Work Date: 9/2/1943	**Work Type:** New Construction - PCC	**Code:** NC-PC	**Is Major M&R:** True
Work Date: 9/1/1998	**Work Type:** Overlay - AC Thin	**Code:** OL-AT	**Is Major M&R:** True
Work Date: 9/1/2008	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 9/1/2012	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 9/1/2015	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False

Last Insp. Date: 3/1/2022 **TotalSamples:** 1 **Surveyed:** 1

Conditions: **PCI:** 75

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 4050.00 SqFt **PCI:** 75

Sample Comments: Created by Inspection Schedule

57	WEATHERING	M	4050.00	SqFt
47	JT REF. CR	L	670.00	Ft

Network: Madras **Name:** Madras Municipal

Branch: T10MA **Name:** Taxiway 10 Madras **Use:** TAXIWAY **Area:** 9,313 SqFt

Section: 01 of 1 **From:** T09-04 **To:** T11-04 **Last Const.:** 9/2/1943

Surface: AC **Family:** 2022_Central_Cat4/5_Taxiway_AC/AAC **Zone:** S33 **Category:** L **Rank:** S

Area: 9,313 SqFt **Length:** 800 Ft **Width:** 10 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 9/1/1943 **Work Type:** Base Course - Unknown (Major MR) **Code:** BA-UN **Is Major M&R:** True

Work Date: 9/2/1943 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

Last Insp. Date: 3/1/2022 **TotalSamples:** 2 **Surveyed:** 2

Conditions: **PCI:** 19

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 4170.00 SqFt **PCI:** 18

Sample Comments: Created by Inspection Schedule

57	WEATHERING	M	4170.00	SqFt
50	PATCHING	L	120.00	SqFt
41	ALLIGATOR CR	M	540.00	SqFt
41	ALLIGATOR CR	M	424.00	SqFt
48	L & T CR	M	290.00	Ft

Sample Number: 02 **Type:** R **Area:** 5142.00 SqFt **PCI:** 21

Sample Comments: Created by Inspection Schedule

41	ALLIGATOR CR	H	24.00	SqFt
41	ALLIGATOR CR	M	175.00	SqFt
48	L & T CR	M	30.00	Ft
48	L & T CR	H	108.00	Ft
41	ALLIGATOR CR	M	267.00	SqFt
50	PATCHING	L	1100.00	SqFt
57	WEATHERING	M	4042.00	SqFt
48	L & T CR	L	120.00	Ft
48	L & T CR	M	78.00	Ft

Network: Madras **Name:** Madras Municipal

Branch: T11MA **Name:** Taxiway 11 Madras **Use:** TAXIWAY **Area:** 8,504 SqFt

Section: 04 of 4 **From:** T11-03 **To:** End **Last Const.:** 9/2/1998

Surface: AC **Family:** 2022_Central_Cat4/5_Taxiway_AC/AAC **Zone:** S33 **Category:** L **Rank:** S

Area: 2,500 SqFt **Length:** 190 Ft **Width:** 20 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 9/1/1998	**Work Type:** Base Course - Unknown (Major MR)	**Code:** BA-UN	**Is Major M&R:** True
Work Date: 9/2/1998	**Work Type:** New Construction - AC	**Code:** NC-AC	**Is Major M&R:** True
Work Date: 9/1/2008	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 9/1/2012	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 9/1/2015	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False

Last Insp. Date: 3/1/2022 **TotalSamples:** 1 **Surveyed:** 1

Conditions: **PCI:** 42

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 2500.00 SqFt **PCI:** 42

Sample Comments: Created by Inspection Schedule

48	L & T CR	M	70.00	Ft
48	L & T CR	M	94.00	Ft
48	L & T CR	L	24.00	Ft
48	L & T CR	L	84.00	Ft
57	WEATHERING	M	2500.00	SqFt
41	ALLIGATOR CR	M	50.00	SqFt

Network: Madras **Name:** Madras Municipal

Branch: T11MA **Name:** Taxiway 11 Madras **Use:** TAXIWAY **Area:** 8,504 SqFt

Section: 02 of 4 **From:** T11-01 **To:** T11-03 **Last Const.:** 9/2/1998

Surface: AC **Family:** 2022_Central_Cat4/5_Taxiway_AC/AAC **Zone:** S33 **Category:** L **Rank:** S

Area: 1,543 SqFt **Length:** 75 Ft **Width:** 20 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 9/1/1998	**Work Type:** Base Course - Unknown (Major MR)	**Code:** BA-UN	**Is Major M&R:** True
Work Date: 9/2/1998	**Work Type:** New Construction - AC	**Code:** NC-AC	**Is Major M&R:** True
Work Date: 9/1/2012	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 9/1/2015	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False

Last Insp. Date: 3/1/2022 **TotalSamples:** 1 **Surveyed:** 1

Conditions: **PCI:** 40

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 1543.00 SqFt **PCI:** 40

Sample Comments: Created by Inspection Schedule

48	L & T CR	M	100.00	Ft
57	WEATHERING	H	793.00	SqFt
57	WEATHERING	M	750.00	SqFt
50	PATCHING	L	75.00	SqFt
48	L & T CR	L	25.00	Ft

Network: Madras **Name:** Madras Municipal

Branch: T11MA **Name:** Taxiway 11 Madras **Use:** TAXIWAY **Area:** 8,504 SqFt

Section: 03 of 4 **From:** T11-02 **To:** T11-04 **Last Const.:** 9/1/1998

Surface: APC **Family:** 2022_Central_Cat4/5_All Uses_APC **Zone:** S33 **Category:** L **Rank:** S

Area: 1,600 SqFt **Length:** 80 Ft **Width:** 20 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 9/1/1943	**Work Type:** Subbase - Unknown (Major MR)	**Code:** SB-UN	**Is Major M&R:** True
Work Date: 9/2/1943	**Work Type:** New Construction - PCC	**Code:** NC-PC	**Is Major M&R:** True
Work Date: 9/1/1998	**Work Type:** Overlay - AC Thin	**Code:** OL-AT	**Is Major M&R:** True
Work Date: 9/1/2008	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 9/1/2012	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 9/1/2015	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False

Last Insp. Date: 3/1/2022 **TotalSamples:** 1 **Surveyed:** 1

Conditions: **PCI:** 42

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 1600.00 SqFt **PCI:** 42

Sample Comments: Created by Inspection Schedule

57	WEATHERING	H	800.00	SqFt
57	WEATHERING	M	800.00	SqFt
48	L & T CR	L	123.00	Ft
48	L & T CR	M	25.00	Ft

Network: Madras **Name:** Madras Municipal

Branch: T11MA **Name:** Taxiway 11 Madras **Use:** TAXIWAY **Area:** 8,504 SqFt

Section: 01 of 4 **From:** T02 **To:** T11-02 **Last Const.:** 7/1/2020

Surface: AC **Family:** 2022_Central_Cat4/5_Taxiway_AC/AAC **Zone:** S33 **Category:** L **Rank:** S

Area: 2,861 SqFt **Length:** 60 Ft **Width:** 43 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 9/1/1919	**Work Type:** Base Course - Unknown (Major MR)	**Code:** BA-UN	**Is Major M&R:** True
Work Date: 9/2/1919	**Work Type:** New Construction - AC	**Code:** NC-AC	**Is Major M&R:** True
Work Date: 9/1/1998	**Work Type:** Overlay - AC Thin	**Code:** OL-AT	**Is Major M&R:** True
Work Date: 9/1/2008	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 9/1/2012	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 9/1/2015	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 7/1/2020	**Work Type:** New Construction - AC	**Code:** NC-AC	**Is Major M&R:** True

Last Insp. Date: 3/1/2022 **TotalSamples:** 1 **Surveyed:** 1

Conditions: **PCI:** 94

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 2861.00 SqFt **PCI:** 94

Sample Comments: Created by Inspection Schedule

57	WEATHERING	L	2861.00	SqFt

Network: Madras **Name:** Madras Municipal

Branch: T12MA **Name:** Taxiway 12 Madras **Use:** TAXIWAY **Area:** 872 SqFt

Section: 01 of 1 **From:** T05-04 **To:** End **Last Const.:** 9/2/1998

Surface: AC **Family:** 2022_Central_Cat4/5_Taxiway_AC/AAC **Zone:** S33 **Category:** L **Rank:** S

Area: 872 SqFt **Length:** 35 Ft **Width:** 20 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 9/1/1998 **Work Type:** Base Course - Unknown (Major MR) **Code:** BA-UN **Is Major M&R:** True

Work Date: 9/2/1998 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

Last Insp. Date: 3/1/2022 **TotalSamples:** 1 **Surveyed:** 1

Conditions: **PCI:** 75

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 872.00 SqFt **PCI:** 75

Sample Comments: Created by Inspection Schedule

57	WEATHERING	M	872.00	SqFt
48	L & T CR	L	16.00	Ft

Network: Madras **Name:** Madras Municipal

Branch: T13MA **Name:** Taxiway 13 Madras **Use:** TAXIWAY **Area:** 19,276 SqFt

Section: 04 of 4 **From:** T13MA-03 **To:** T11MA **Last Const.:** 1/1/1901

Surface: AC **Family:** 2022_Central_Cat4/5_Taxiway_AC/AAC **Zone:** S33 **Category:** L **Rank:** S

Area: 5,081 SqFt **Length:** 53 Ft **Width:** 95 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 1/1/1901 **Work Type:** New Construction - Initial **Code:** NU-IN **Is Major M&R:** True

Work Date: 9/1/2012 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Work Date: 9/1/2015 **Work Type:** Crack Sealing - AC **Code:** CS-AC **Is Major M&R:** False

Last Insp. Date: 3/1/2022 **TotalSamples:** 1 **Surveyed:** 1

Conditions: **PCI:** 94

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 5081.00 SqFt **PCI:** 94

Sample Comments: Created by Inspection Schedule

57	WEATHERING	L	5081.00	SqFt

Network: Madras **Name:** Madras Municipal

Branch: T13MA **Name:** Taxiway 13 Madras **Use:** TAXIWAY **Area:** 19,276 SqFt

Section: 01 of 4 **From:** T02MA **To:** T13MA-02 **Last Const.:** 6/1/2002

Surface: AC **Family:** 2022_Central_Cat4/5_Taxiway_AC/AAC **Zone:** S33 **Category:** L **Rank:** S

Area: 3,823 SqFt **Length:** 110 Ft **Width:** 25 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 6/1/2002	**Work Type:** Base Course - Aggregate	**Code:** BA-AG	**Is Major M&R:** False
Work Date: 6/1/2002	**Work Type:** New Construction - AC	**Code:** NC-AC	**Is Major M&R:** True
Work Date: 9/1/2012	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 9/1/2015	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False

Last Insp. Date: 3/1/2022 **TotalSamples:** 1 **Surveyed:** 1

Conditions: **PCI:** 66

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 3773.00 SqFt **PCI:** 66

Sample Comments: Created by Inspection Schedule

48	L & T CR	L	134.00	Ft
57	WEATHERING	L	3773.00	SqFt
48	L & T CR	M	20.00	Ft
48	L & T CR	M	106.00	Ft
48	L & T CR	L	10.00	Ft
50	PATCHING	L	40.00	SqFt

Network: Madras **Name:** Madras Municipal

Branch: T13MA **Name:** Taxiway 13 Madras **Use:** TAXIWAY **Area:** 19,276 SqFt

Section: 02 of 4 **From:** T13MA-01 **To:** T13MA-03 **Last Const.:** 6/1/2002

Surface: APC **Family:** 2022_Central_Cat4/5_All Uses_APC **Zone:** S33 **Category:** L **Rank:** S

Area: 2,250 SqFt **Length:** 90 Ft **Width:** 25 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 6/1/2002	**Work Type:** Overlay - AC Thin	**Code:** OL-AT	**Is Major M&R:** True
Work Date: 6/1/2002	**Work Type:** Coat - Tack	**Code:** CO-TA	**Is Major M&R:** False
Work Date: 9/1/2012	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 9/1/2015	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False

Last Insp. Date: 3/1/2022 **TotalSamples:** 1 **Surveyed:** 1

Conditions: **PCI:** 61

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 2250.00 SqFt **PCI:** 61

Sample Comments: Created by Inspection Schedule

57	WEATHERING	L	2250.00	SqFt
48	L & T CR	L	207.00	Ft
48	L & T CR	M	12.00	Ft
48	L & T CR	L	141.00	Ft

Network: Madras **Name:** Madras Municipal

Branch: T13MA **Name:** Taxiway 13 Madras **Use:** TAXIWAY **Area:** 19,276 SqFt

Section: 03 of 4 **From:** T13MA-02 **To:** T13MA-04 **Last Const.:** 6/2/2002

Surface: AC **Family:** 2022_Central_Cat4/5_Taxiway_AC/AAC **Zone:** S33 **Category:** L **Rank:** S

Area: 8,122 SqFt **Length:** 325 Ft **Width:** 25 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 6/1/2002	**Work Type:** Base Course - Aggregate	**Code:** BA-AG	**Is Major M&R:** False
Work Date: 6/2/2002	**Work Type:** New Construction - AC	**Code:** NC-AC	**Is Major M&R:** True
Work Date: 9/1/2012	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False
Work Date: 9/1/2015	**Work Type:** Crack Sealing - AC	**Code:** CS-AC	**Is Major M&R:** False

Last Insp. Date: 3/1/2022 **TotalSamples:** 2 **Surveyed:** 2

Conditions: **PCI:** 71

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 4960.00 SqFt **PCI:** 69

Sample Comments: Created by Inspection Schedule

48	L & T CR	L	35.00	Ft
57	WEATHERING	L	4960.00	SqFt
48	L & T CR	M	35.00	Ft
50	PATCHING	L	38.00	SqFt
48	L & T CR	M	125.00	Ft

Sample Number: 02 **Type:** R **Area:** 3161.00 SqFt **PCI:** 74

Sample Comments: Created by Inspection Schedule

48	L & T CR	M	25.00	Ft
48	L & T CR	M	50.00	Ft
50	PATCHING	L	38.00	SqFt
57	WEATHERING	L	3161.00	SqFt

Network: Madras **Name:** Madras Municipal

Branch: T14MA **Name:** Taxiway 14 Madras **Use:** TAXIWAY **Area:** 10,702 SqFt

Section: 01 of 1 **From:** T02 **To:** A01 **Last Const.:** 9/3/2011

Surface: AC **Family:** 2022_Central_Cat4/5_Taxiway_AC/AAC **Zone:** S33 **Category:** L **Rank:** P

Area: 10,702 SqFt **Length:** 253 Ft **Width:** 40 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 9/1/2011 **Work Type:** Subbase - Aggregate **Code:** SB-AG **Is Major M&R:** False

Work Date: 9/2/2011 **Work Type:** Base Course - Aggregate **Code:** BA-AG **Is Major M&R:** False

Work Date: 9/3/2011 **Work Type:** New Construction - AC **Code:** NC-AC **Is Major M&R:** True

Last Insp. Date: 3/1/2022 **TotalSamples:** 2 **Surveyed:** 2

Conditions: **PCI:** 90

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 5573.00 SqFt **PCI:** 90

Sample Comments: Created by Inspection Schedule

48	L & T CR	L	16.00	Ft
57	WEATHERING	L	5573.00	SqFt

Sample Number: 02 **Type:** R **Area:** 5128.00 SqFt **PCI:** 90

Sample Comments: Created by Inspection Schedule

57	WEATHERING	M	28.00	SqFt
48	L & T CR	L	2.00	Ft
57	WEATHERING	L	5100.00	SqFt

Network: Madras **Name:** Madras Municipal

Branch: T15MA **Name:** Taxiway 15 Madras **Use:** TAXIWAY **Area:** 4,815 SqFt

Section: 01 of 1 **From:** T02 **To:** A01 **Last Const.:** 9/3/2011

Surface: AC **Family:** 2022_Central_Cat4/5_Taxiway_AC/AAC **Zone:** S33 **Category:** L **Rank:** P

Area: 4,815 SqFt **Length:** 73 Ft **Width:** 50 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 9/1/2011	**Work Type:** Subbase - Aggregate	**Code:** SB-AG	**Is Major M&R:** False
Work Date: 9/2/2011	**Work Type:** Base Course - Aggregate	**Code:** BA-AG	**Is Major M&R:** False
Work Date: 9/3/2011	**Work Type:** New Construction - AC	**Code:** NC-AC	**Is Major M&R:** True

Last Insp. Date: 3/1/2022 **TotalSamples:** 1 **Surveyed:** 1

Conditions: **PCI:** 83

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 4815.00 SqFt **PCI:** 83

Sample Comments: Created by Inspection Schedule

48	L & T CR	M	20.00	Ft
57	WEATHERING	L	4815.00	SqFt
48	L & T CR	L	33.00	Ft

Network: Madras **Name:** Madras Municipal

Branch: T16MA **Name:** Taxiway 16 Madras **Use:** TAXIWAY **Area:** 4,463 SqFt

Section: 01 of 1 **From:** T02 **To:** A01 **Last Const.:** 9/3/2011

Surface: AC **Family:** 2022_Central_Cat4/5_Taxiway_AC/AAC **Zone:** S33 **Category:** L **Rank:** P

Area: 4,463 SqFt **Length:** 73 Ft **Width:** 50 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 9/1/2011	**Work Type:** Subbase - Aggregate	**Code:** SB-AG	**Is Major M&R:** False
Work Date: 9/2/2011	**Work Type:** Base Course - Aggregate	**Code:** BA-AG	**Is Major M&R:** False
Work Date: 9/3/2011	**Work Type:** New Construction - AC	**Code:** NC-AC	**Is Major M&R:** True

Last Insp. Date: 3/1/2022 **TotalSamples:** 1 **Surveyed:** 1

Conditions: **PCI:** 81

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 4463.00 SqFt **PCI:** 81

Sample Comments: Created by Inspection Schedule

48	L & T CR	M	76.00	Ft
57	WEATHERING	L	4463.00	SqFt

Network: Madras **Name:** Madras Municipal

Branch: T17MA **Name:** Taxiway 17 Madras **Use:** TAXIWAY **Area:** 34,085 SqFt

Section: 01 of 2 **From:** R16MA-01 **To:** T17MA-02 **Last Const.:** 7/1/2020

Surface: AC **Family:** 2022_Central_Cat4/5_Taxiway_AC/AAC **Zone:** **Category:** **Rank:** P

Area: 10,265 SqFt **Length:** 160 Ft **Width:** 45 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 7/1/2020 **Work Type:** New Construction - Initial **Code:** NU-IN **Is Major M&R:** True

Last Insp. Date: 3/1/2022 **TotalSamples:** 2 **Surveyed:** 2

Conditions: **PCI:** 94

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 5027.00 SqFt **PCI:** 94

Sample Comments:

57	WEATHERING	L	5027.00	SqFt

Sample Number: 02 **Type:** R **Area:** 5238.00 SqFt **PCI:** 94

Sample Comments:

57	WEATHERING	L	5238.00	SqFt

Network: Madras **Name:** Madras Municipal

Branch: T17MA **Name:** Taxiway 17 Madras **Use:** TAXIWAY **Area:** 34,085 SqFt

Section: 02 of 2 **From:** T17MA-01 **To:** T02MA-03 **Last Const.:** 7/1/2020

Surface: AC **Family:** 2022_Central_Cat4/5_Taxiway_AC/AAC **Zone:** **Category:** **Rank:** P

Area: 23,820 SqFt **Length:** 460 Ft **Width:** 35 Ft

Slabs: **Slab Length:** Ft **Slab Width:** Ft **Joint Length:** Ft

Shoulder: **Street Type:** **Grade:** 0 **Lanes:** 0

Section Comments:

Work Date: 7/1/2020 **Work Type:** New Construction - Initial **Code:** NU-IN **Is Major M&R:** True

Last Insp. Date: 3/1/2022 **TotalSamples:** 6 **Surveyed:** 3

Conditions: **PCI:** 94

Inspection Comments:

Sample Number: 01 **Type:** R **Area:** 4219.00 SqFt **PCI:** 94

Sample Comments:

57	WEATHERING	L	4219.00	SqFt

Sample Number: 03 **Type:** R **Area:** 3613.00 SqFt **PCI:** 94

Sample Comments:

57	WEATHERING	L	3613.00	SqFt

Sample Number: 06 **Type:** R **Area:** 3783.00 SqFt **PCI:** 94

Sample Comments:

57	WEATHERING	L	3783.00	SqFt

APPENDIX F

Work History Report

Pavement Database: ODA_WOC3_10-05-2022_PostDetCurves

Network: Madras Municipal **Branch:** A01MA Apron 01 Madras **Section:** 01 **Surface:**AC

L.C.D. 8/1/1990 **Use:** APRON **Rank:** P **Length:** 560.00 (Ft) **Width:** 160.00 (Ft) **True Area:** 76461 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/2/2008	PA-AD	Patching - AC Deep	0.00	0.00	☐	PMP 2008
9/1/2008	CS-AC	Crack Sealing - AC	0.00	0.10	☐	PMP 2008
6/1/2001	CS-AC	Crack Sealing - AC	0.00	0.10	☐	Oregon DOA 2001 Maint. Program
9/1/2000	CS-AC	Crack Sealing - AC	0.00	0.10	☐	
9/1/1997	CS-AC	Crack Sealing - AC	0.00	0.10	☐	circa 1997
8/1/1990	NC-AC	New Construction - AC	0.00	2.00	☑	
8/3/1943	BA-AG	Base Course - Aggregate	0.00	3.00	☑	
8/2/1943	BA-AG	Base Course - Aggregate	0.00	4.00	☐	
8/1/1943	SB-AG	Subbase - Aggregate	0.00	10.00	☐	

Network: Madras Municipal **Branch:** A01MA Apron 01 Madras **Section:** 02 **Surface:**PCC

L.C.D. 9/4/1943 **Use:** APRON **Rank:** P **Length:** 90.00 (Ft) **Width:** 80.00 (Ft) **True Area:** 7200.000180 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/4/1943	NC-PC	New Construction - PCC	0.00	0.00	☑	unk. thickness
9/3/1943	SB-AG	Subbase - Aggregate	0.00	3.00	☑	
9/2/1943	SB-AG	Subbase - Aggregate	0.00	4.00	☑	
9/1/1943	SB-AG	Subbase - Aggregate	0.00	10.00	☑	

Network: Madras Municipal **Branch:** A01MA Apron 01 Madras **Section:** 03 **Surface:**PCC

L.C.D. 9/4/1943 **Use:** APRON **Rank:** P **Length:** 120.00 (Ft) **Width:** 80.00 (Ft) **True Area:** 9986.000241 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/4/1943	NC-PC	New Construction - PCC	0.00	0.00	☑	unk. thickness
9/3/1943	SB-AG	Subbase - Aggregate	0.00	3.00	☑	
9/2/1943	SB-AG	Subbase - Aggregate	0.00	4.00	☑	
9/1/1943	SB-AG	Subbase - Aggregate	0.00	10.00	☑	

Network: Madras Municipal **Branch:** A01MA Apron 01 Madras **Section:** 04 **Surface:**PCC

L.C.D. 9/4/1943 **Use:** APRON **Rank:** P **Length:** 120.00 (Ft) **Width:** 80.00 (Ft) **True Area:** 9986.000241 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/4/1943	NC-PC	New Construction - PCC	0.00	0.00	☑	unk. thickness
9/3/1943	SB-AG	Subbase - Aggregate	0.00	3.00	☑	
9/2/1943	SB-AG	Subbase - Aggregate	0.00	4.00	☑	
9/1/1943	SB-AG	Subbase - Aggregate	0.00	10.00	☑	

Network: Madras Municipal **Branch:** A01MA Apron 01 Madras **Section:** 05 **Surface:**PCC

L.C.D. 9/2/2011 **Use:** APRON **Rank:** P **Length:** 90.00 (Ft) **Width:** 40.00 (Ft) **True Area:** 3600.000001 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/2/2011	NC-PC	New Construction - PCC	0.00	10.00	☑	P501
9/1/2011	BA-AG	Base Course - Aggregate	0.00	6.00	☐	P209
1/1/1761	NC-PC	New Construction - PCC	0.00	9.00	☑	

Network: Madras Municipal **Branch:** A01MA Apron 01 Madras **Section:** 06 **Surface:**AC

L.C.D. 9/2/2011 **Use:** APRON **Rank:** P **Length:** 319.00 (Ft) **Width:** 172.50 (Ft) **True Area:** 48610 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/2/2011	NC-AC	New Construction - AC	0.00	2.00	☑	P401
9/2/2011	BA-AG	Base Course - Aggregate	0.00	5.00	☐	P209
9/1/2011	SB-AG	Subbase - Aggregate	0.00	10.50	☐	P209

Network: Madras Municipal **Branch:** A01MA Apron 01 Madras **Section:** 07 **Surface:**AC

L.C.D. 9/3/2011 **Use:** APRON **Rank:** P **Length:** 405.00 (Ft) **Width:** 153.00 (Ft) **True Area:** 54712 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/3/2011	NC-AC	New Construction - AC	0.00	2.00	☑	P401
9/2/2011	BA-AG	Base Course - Aggregate	0.00	5.00	☐	P209
9/1/2011	SB-AG	Subbase - Aggregate	0.00	10.50	☐	P209

Network: Madras Municipal **Branch:** A01MA Apron 01 Madras **Section:** 08 **Surface:**PCC

L.C.D. 9/4/1943 **Use:** APRON **Rank:** P **Length:** 90.00 (Ft) **Width:** 80.00 (Ft) **True Area:** 7200.000002 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/4/1943	NC-PC	New Construction - PCC	0.00	0.00	☑	unk. thickness
9/3/1943	SB-AG	Subbase - Aggregate	0.00	3.00	☑	
9/2/1943	SB-AG	Subbase - Aggregate	0.00	4.00	☑	
9/1/1943	SB-AG	Subbase - Aggregate	0.00	10.00	☑	

Network: Madras Municipal **Branch:** A02MA Apron 02 Madras **Section:** 01 **Surface:**PCC

L.C.D. 9/1/1943 **Use:** APRON **Rank:** P **Length:** 90.00 (Ft) **Width:** 80.00 (Ft) **True Area:** 7200.000002 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/1/1943	NC-PC	New Construction - PCC	0.00	0.00	☑	Unk. thickness and LCD

Network: Madras Municipal **Branch:** A03MA Apron 03 Madras **Section:** 01 **Surface:**PCC

L.C.D. 9/2/2011 **Use:** APRON **Rank:** P **Length:** 150.00 (Ft) **Width:** 113.00 (Ft) **True Area:** 10065.00000 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/2/2011	NC-PC	New Construction - PCC	0.00	10.00	☑	P501
9/1/2011	BA-AG	Base Course - Aggregate	0.00	6.00	☐	P209

Network: Madras Municipal **Branch:** A03MA Apron 03 Madras **Section:** 02 **Surface:**PCC

L.C.D. 9/1/1943 **Use:** APRON **Rank:** P **Length:** 80.00 (Ft) **Width:** 90.00 (Ft) **True Area:** 7200.000002 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/1/1943	NC-PC	New Construction - PCC	0.00	0.00	☑	

Network: Madras Municipal **Branch:** A04MA Apron 04 Madras **Section:** 01 **Surface:**PCC

L.C.D. 9/1/1943 **Use:** APRON **Rank:** P **Length:** 90.00 (Ft) **Width:** 80.00 (Ft) **True Area:** 7200.000002 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/1/1943	NC-PC	New Construction - PCC	0.00	0.00	☑	Unk. thickness and LCD

Network: Madras Municipal **Branch:** A05MA Apron 05 Madras **Section:** 01 **Surface:**PCC

L.C.D. 9/1/1943 **Use:** APRON **Rank:** S **Length:** 90.00 (Ft) **Width:** 42.00 (Ft) **True Area:** 3808 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/1/1943	NC-PC	New Construction - PCC	0.00	0.00	☑	Unk. thickness and LCD

Network: Madras Municipal **Branch:** A06MA Apron 06 Madras **Section:** 01 **Surface:**AC

L.C.D. 9/1/2015 **Use:** APRON **Rank:** P **Length:** 195.00 (Ft) **Width:** 409.00 (Ft) **True Area:** 65066.00001 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/1/2015	NC-AC	New Construction - AC	0.00	3.00	☑	
8/31/2015	BA-AG	Base Course - Aggregate	0.00	0.00	☐	Existing Base, thickness unknown

Network: Madras Municipal **Branch:** A06MA Apron 06 Madras **Section:** 02 **Surface:**PCC

L.C.D. 1/1/1943 **Use:** APRON **Rank:** P **Length:** 80.00 (Ft) **Width:** 90.00 (Ft) **True Area:** 7200.000002 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/1943	NC-PC	New Construction - PCC	0.00	0.00	☑	Unknown thickness and assumed LCD

Network: Madras Municipal **Branch:** A06MA Apron 06 Madras **Section:** 03 **Surface:**PCC

L.C.D. 1/1/1943 **Use:** APRON **Rank:** P **Length:** 80.00 (Ft) **Width:** 90.00 (Ft) **True Area:** 7200.000002 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/1943	NC-PC	New Construction - PCC	0.00	0.00	☑	Unknown thickness and assumed LCD

Network: Madras Municipal **Branch:** A06MA Apron 06 Madras **Section:** 04 **Surface:**AAC

L.C.D. 9/1/1977 **Use:** APRON **Rank:** P **Length:** 50.00 (Ft) **Width:** 409.00 (Ft) **True Area:** 19823.00000 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/1/1977	OL-AS	Overlay - AC Structural	0.00	3.00	☑	
9/3/1943	NC-AC	New Construction - AC	0.00	2.00	☑	
9/2/1943	BA-AG	Base Course - Aggregate	0.00	4.00	☐	
9/1/1943	SB-AG	Subbase - Aggregate	0.00	10.00	☐	

Network: Madras Municipal **Branch:** AH16MA Hold Apron 16 Ma **Section:** 01 **Surface:**AAC

L.C.D. 9/1/1977 **Use:** APRON **Rank:** P **Length:** 370.00 (Ft) **Width:** 50.00 (Ft) **True Area:** 18550.00000 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/1/1990	SS-FS	Surface Seal - Fog Seal	0.00	0.10	☐	
9/1/1977	OL-AS	Overlay - AC Structural	0.00	3.00	☑	
9/3/1943	NC-AC	New Construction - AC	0.00	2.00	☑	
9/2/1943	BA-AG	Base Course - Aggregate	0.00	4.00	☑	
9/1/1943	SB-AG	Subbase - Aggregate	0.00	10.00	☑	

Network: Madras Municipal **Branch:** AH16MA Hold Apron 16 Ma **Section:** 02 **Surface:**AC

L.C.D. 7/1/2020 **Use:** APRON **Rank:** P **Length:** 350.00 (Ft) **Width:** 100.00 (Ft) **True Area:** 15442.00000 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
7/1/2020	NU-IN	New Construction - Initial	0.00	0.00	☑	

Network: Madras Municipal **Branch:** AH34MA Hold Apron 34 Ma **Section:** 01 **Surface:**AC
L.C.D. 9/2/2004 **Use:** APRON **Rank:** P **Length:** 240.00 (Ft) **Width:** 40.00 (Ft) **True Area:** 13127.00000 (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 2015
9/1/2012	CS-AC	Crack Sealing - AC	0.00	0.00	☐	PMP 2012
9/2/2004	CR-AC	Complete Reconstruction - AC	0.00	2.00	☑	
9/1/2004	BA-PA	Base Course - Pulverized AC	0.00	8.00	☐	
9/1/1990	SS-FS	Surface Seal - Fog Seal	0.00	0.10	☐	
9/1/1977	OL-AS	Overlay - AC Structural	0.00	3.00	☑	
9/3/1943	NC-AC	New Construction - AC	0.00	2.00	☑	
9/2/1943	BA-AG	Base Course - Aggregate	0.00	4.00	☑	
9/1/1943	SB-AG	Subbase - Aggregate	0.00	10.00	☑	

Network: Madras Municipal **Branch:** R04MA Runway 04/22 Ma **Section:** 01 **Surface:**AC
L.C.D. 8/1/1990 **Use:** RUNWAY **Rank:** S **Length:** 2,700.00 (Ft) **Width:** 50.00 (Ft) **True Area:** 134997.0033 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/2/2008	PA-AD	Patching - AC Deep	0.00	0.00	☐	PMP 2008
9/1/2008	CS-WD	Crack Seal - Wide Cracks	0.00	0.00	☐	PMP 2008
6/1/2001	CS-AC	Crack Sealing - AC	0.00	0.10	☐	Oregon DOA 2001 Maint. Program
9/2/2000	SS-FS	Surface Seal - Fog Seal	0.00	0.10	☐	
9/1/2000	CS-AC	Crack Sealing - AC	0.00	0.10	☐	
8/1/1997	CS-AC	Crack Sealing - AC	0.00	0.10	☐	circa 1997
8/1/1990	CR-AC	Complete Reconstruction - AC	0.00	2.00	☑	
8/1/1943	BA-AG	Base Course - Aggregate	0.00	8.00	☐	

Network: Madras Municipal **Branch:** R16MA Runway 16/34 Ma **Section:** 01 **Surface:**AC
L.C.D. 5/18/2015 **Use:** RUNWAY **Rank:** P **Length:** 5,090.00 (Ft) **Width:** 75.00 (Ft) **True Area:** 381749.9969 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
5/18/2015	CR-AC	Complete Reconstruction - AC	0.00	4.00	☑	
5/17/2015	BA-AG	Base Course - Aggregate	0.00	6.00	☐	
5/16/2015	SB-AG	Subbase - Aggregate	0.00	7.50	☐	Pulverized Existing Pavement
5/15/2015	FB-TX	Geotextile	0.00	0.00	☐	GeoGrid/Geotextile
9/1/2012	PA-AD	Patching - AC Deep	0.00	0.00	☐	PMP 2012, including Joint Repair
9/2/2008	PA-AD	Patching - AC Deep	0.00	0.00	☐	PMP 2008
9/1/2008	CS-WD	Crack Seal - Wide Cracks	0.00	0.00	☐	PMP 2008
6/1/2001	CS-AC	Crack Sealing - AC	0.00	0.10	☐	Oregon DOA 2001 Maint. Program
9/2/2000	SS-FS	Surface Seal - Fog Seal	0.00	0.10	☐	
9/1/2000	CS-AC	Crack Sealing - AC	0.00	0.10	☐	
8/1/1997	CS-AC	Crack Sealing - AC	0.00	0.10	☐	circa 1997
9/2/1990	CR-AC	Complete Reconstruction - AC	0.00	2.00	☑	
9/1/1990	BA-AG	Base Course - Aggregate	0.00	3.00	☐	
8/1/1943	SB-AG	Subbase - Aggregate	0.00	5.00	☐	

Network: Madras Municipal **Branch:** T01MA Taxiway 01 Madra **Section:** 01 **Surface:**APC
L.C.D. 9/1/2012 **Use:** TAXIWAY **Rank:** S **Length:** 370.00 (Ft) **Width:** 35.00 (Ft) **True Area:** 12036.00000 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/1/2012	OL-AS	Overlay - AC Structural	0.00	2.00	☑	Approximate thickness and estimated
8/2/1943	NC-PC	New Construction - PCC	0.00	9.00	☑	
8/1/1943	SB-AG	Subbase - Aggregate	0.00	0.00	☐	

Network: Madras Municipal **Branch:** T01MA Taxiway 01 Madra **Section:** 02 **Surface:**AC
L.C.D. 8/1/1990 **Use:** TAXIWAY **Rank:** S **Length:** 1,250.00 (Ft) **Width:** 35.00 (Ft) **True Area:** 43481.00001 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/2/2015	PA-AD	Patching - AC Deep	0.00	0.00	☐	PMP 2015
9/1/2015	CS-AC	Crack Sealing - AC	0.00	0.00	☐	PMP 2015
9/1/2008	CS-WD	Crack Seal - Wide Cracks	0.00	0.00	☐	PMP 2008
6/1/2001	CS-AC	Crack Sealing - AC	0.00	0.10	☐	Oregon DOA 2001 Maint. Program
9/1/2000	CS-AC	Crack Sealing - AC	0.00	0.10	☐	
8/1/1990	NC-AC	New Construction - AC	0.00	2.00	☑	
8/1/1943	BA-AG	Base Course - Aggregate	0.00	8.00	☑	

Network: Madras Municipal **Branch:** T01MA Taxiway 01 Madra **Section:** 03 **Surface:**AC
L.C.D. 5/18/2015 **Use:** TAXIWAY **Rank:** S **Length:** 125.00 (Ft) **Width:** 35.00 (Ft) **True Area:** 4375.000055 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
5/18/2015	CR-AC	Complete Reconstruction - AC	0.00	4.00	☑	
5/17/2015	BA-AG	Base Course - Aggregate	0.00	6.00	☐	
5/16/2015	SB-AG	Subbase - Aggregate	0.00	7.50	☐	Pulverized Existing Pavement
5/15/2015	FB-TX	Geotextile	0.00	0.00	☐	GeoGrid/Geotextile

Network: Madras Municipal **Branch:** T02MA Taxiway 02 Madra **Section:** 01 **Surface:**AC
L.C.D. 5/18/2015 **Use:** TAXIWAY **Rank:** P **Length:** 205.00 (Ft) **Width:** 35.00 (Ft) **True Area:** 10072.00000 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
5/18/2015	CR-AC	Complete Reconstruction - AC	0.00	4.00	☑	
5/17/2015	BA-AG	Base Course - Aggregate	0.00	6.00	☐	
5/16/2015	SB-AG	Subbase - Aggregate	0.00	7.50	☐	Pulverized Existing Pavement
5/15/2015	FB-TX	Geotextile	0.00	0.00	☐	GeoGrid/Geotextile

Network: Madras Municipal **Branch:** T02MA Taxiway 02 Madra **Section:** 02 **Surface:**AC
L.C.D. 7/1/2020 **Use:** TAXIWAY **Rank:** P **Length:** 775.00 (Ft) **Width:** 35.00 (Ft) **True Area:** 27340.00000 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
7/1/2020	CR-AC	Complete Reconstruction - AC	0.00	0.00	☑	
9/1/2015	CS-AC	Crack Sealing - AC	0.00	0.00	☐	PMP 2015
9/2/2012	PA-AD	Patching - AC Deep	0.00	0.00	☐	PMP 2012, includes Joint Repair
9/1/2012	CS-AC	Crack Sealing - AC	0.00	0.00	☐	PMP 2012
9/1/2008	CS-WD	Crack Seal - Wide Cracks	0.00	0.00	☐	PMP 2008
9/2/2000	SS-FS	Surface Seal - Fog Seal	0.00	0.10	☐	
9/1/2000	CS-AC	Crack Sealing - AC	0.00	0.10	☐	
8/1/1990	SU-AC	Surface Course - AC	0.00	2.00	☑	
8/1/1943	BA-AG	Base Course - Aggregate	0.00	8.00	☐	

Network: Madras Municipal **Branch:** T02MA Taxiway 02 Madra **Section:** 03 **Surface:**AC
L.C.D. 7/1/2020 **Use:** TAXIWAY **Rank:** P **Length:** 3,607.00 (Ft) **Width:** 35.00 (Ft) **True Area:** 126238 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
7/1/2020	NC-AC	New Construction - AC	0.00	0.00	☑	
9/1/2015	CS-AC	Crack Sealing - AC	0.00	0.00	☐	PMP 2015
9/1/2012	CS-AC	Crack Sealing - AC	0.00	0.00	☐	PMP 2012
9/2/2004	CR-AC	Complete Reconstruction - AC	0.00	2.00	☑	
9/1/2004	BA-PA	Base Course - Pulverized AC	0.00	6.00	☐	
8/1/1990	SS-FS	Surface Seal - Fog Seal	0.00	0.10	☐	
8/1/1977	OL-AS	Overlay - AC Structural	0.00	3.00	☑	
8/3/1943	NC-AC	New Construction - AC	0.00	2.00	☑	
8/2/1943	BA-AG	Base Course - Aggregate	0.00	4.00	☐	
8/1/1943	SB-AG	Subbase - Aggregate	0.00	10.00	☐	

Network: Madras Municipal **Branch:** T02MA Taxiway 02 Madra **Section:** 04 **Surface:**AC
L.C.D. 7/1/2020 **Use:** TAXIWAY **Rank:** P **Length:** 650.00 (Ft) **Width:** 35.00 (Ft) **True Area:** 27685.00000 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
7/1/2020	NC-AC	New Construction - AC	0.00	0.00	☑	
9/1/2015	CS-AC	Crack Sealing - AC	0.00	0.00	☐	PMP 2015
9/2/2012	PA-AD	Patching - AC Deep	0.00	0.00	☐	PMP 2012, includes Joint Repair
9/1/2012	CS-AC	Crack Sealing - AC	0.00	0.00	☐	PMP 2012
9/1/2008	CS-WD	Crack Seal - Wide Cracks	0.00	0.00	☐	PMP 2008
6/1/2001	CS-AC	Crack Sealing - AC	0.00	0.10	☐	Oregon DOA 2001 Maint. Program
9/2/2000	SS-FS	Surface Seal - Fog Seal	0.00	0.10	☐	
9/1/2000	CS-AC	Crack Sealing - AC	0.00	0.10	☐	
8/1/1990	SU-AC	Surface Course - AC	0.00	2.00	☑	
8/1/1943	BA-AG	Base Course - Aggregate	0.00	8.00	☐	

Network: Madras Municipal **Branch:** T02MA Taxiway 02 Madra **Section:** 05 **Surface:**AC

L.C.D. 5/18/2015 **Use:** TAXIWAY **Rank:** P **Length:** 215.00 (Ft) **Width:** 35.00 (Ft) **True Area:** 10910.00000 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
5/18/2015	CR-AC	Complete Reconstruction - AC	0.00	4.00	☑	
5/17/2015	BA-AG	Base Course - Aggregate	0.00	6.00	☐	
5/16/2015	SB-AG	Subbase - Aggregate	0.00	7.50	☐	Pulverized Existing Pavement
5/15/2015	FB-TX	Geotextile	0.00	0.00	☐	GeoGrid/Geotextile

Network: Madras Municipal **Branch:** T03MA Taxiway 03 Madra **Section:** 01 **Surface:**AC

L.C.D. 5/18/2015 **Use:** TAXIWAY **Rank:** P **Length:** 162.50 (Ft) **Width:** 35.00 (Ft) **True Area:** 6986.000000 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
5/18/2015	CR-AC	Complete Reconstruction - AC	0.00	4.00	☑	
5/17/2015	BA-AG	Base Course - Aggregate	0.00	6.00	☐	
5/16/2015	SB-AG	Subbase - Aggregate	0.00	7.50	☐	Pulverized Existing Pavement
5/15/2015	FB-TX	Geotextile	0.00	0.00	☐	GeoGrid/Geotextile

Network: Madras Municipal **Branch:** T03MA Taxiway 03 Madra **Section:** 02 **Surface:**AC

L.C.D. 7/1/2020 **Use:** TAXIWAY **Rank:** P **Length:** 460.00 (Ft) **Width:** 35.00 (Ft) **True Area:** 20650.00000 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
7/1/2020	NC-AC	New Construction - AC	0.00	0.00	☑	
9/1/2015	CS-AC	Crack Sealing - AC	0.00	0.00	☐	PMP 2015
9/2/2012	PA-AD	Patching - AC Deep	0.00	0.00	☐	PMP 2012, includes Joint Repair
9/1/2012	CS-AC	Crack Sealing - AC	0.00	0.00	☐	PMP 2012
9/1/2008	CS-WD	Crack Seal - Wide Cracks	0.00	0.00	☐	PMP 2008
6/1/2001	CS-AC	Crack Sealing - AC	0.00	0.10	☐	Oregon DOA 2001 Maint. Program
9/2/2000	SS-FS	Surface Seal - Fog Seal	0.00	0.10	☐	
9/1/2000	CS-AC	Crack Sealing - AC	0.00	0.00	☐	
8/2/1990	NC-AC	New Construction - AC	0.00	2.00	☑	
8/1/1990	BA-AG	Base Course - Aggregate	0.00	9.00	☐	

Network: Madras Municipal **Branch:** T04MA Taxiway 04 Madra **Section:** 01 **Surface:**AC

L.C.D. 9/3/2011 **Use:** TAXIWAY **Rank:** P **Length:** 128.00 (Ft) **Width:** 40.00 (Ft) **True Area:** 6892 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/3/2011	NC-AC	New Construction - AC	0.00	4.00	☑	P401
9/2/2011	BA-AG	Base Course - Aggregate	0.00	5.00	☐	P209
9/1/2011	SB-AG	Subbase - Aggregate	0.00	13.00	☐	P209

Network: Madras Municipal **Branch:** T05MA Taxiway 05 Madra **Section:** 01 **Surface:**AC

L.C.D. 9/3/2011 **Use:** TAXIWAY **Rank:** P **Length:** 70.00 (Ft) **Width:** 50.00 (Ft) **True Area:** 3500 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/3/2011	NC-AC	New Construction - AC	0.00	4.00	☑	P401
9/2/2011	BA-AG	Base Course - Aggregate	0.00	5.00	☐	P209
9/1/2011	SB-AG	Subbase - Aggregate	0.00	13.00	☐	P209

Network: Madras Municipal **Branch:** T06MA Taxiway 06 Madra **Section:** 01 **Surface:**AC
L.C.D. 9/3/2011 **Use:** TAXIWAY **Rank:** P **Length:** 128.00 (Ft) **Width:** 150.00 (Ft) **True Area:** 19816 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/3/2011	NC-AC	New Construction - AC	0.00	4.00	☑	P401
9/2/2011	BA-AG	Base Course - Aggregate	0.00	5.00	☐	P209
9/1/2011	SB-AG	Subbase - Aggregate	0.00	13.00	☐	P209

Network: Madras Municipal **Branch:** T07MA Taxiway 07 Madra **Section:** 01 **Surface:**AC
L.C.D. 9/3/2011 **Use:** TAXIWAY **Rank:** P **Length:** 70.00 (Ft) **Width:** 50.00 (Ft) **True Area:** 3500.000001 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/3/2011	NC-AC	New Construction - AC	0.00	4.00	☑	P401
9/2/2011	BA-AG	Base Course - Aggregate	0.00	5.00	☐	P209
9/1/2011	SB-AG	Subbase - Aggregate	0.00	13.00	☐	P209

Network: Madras Municipal **Branch:** T08MA Taxiway 08 Madra **Section:** 01 **Surface:**AC
L.C.D. 9/3/2011 **Use:** TAXIWAY **Rank:** P **Length:** 128.00 (Ft) **Width:** 40.00 (Ft) **True Area:** 10660 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/3/2011	NC-AC	New Construction - AC	0.00	4.00	☑	P401
9/2/2011	BA-AG	Base Course - Aggregate	0.00	5.00	☐	P209
9/1/2011	SB-AG	Subbase - Aggregate	0.00	13.00	☐	P209

Network: Madras Municipal **Branch:** T09MA Taxiway 09 Madra **Section:** 01 **Surface:**APC
L.C.D. 9/1/1998 **Use:** TAXIWAY **Rank:** S **Length:** 70.00 (Ft) **Width:** 45.00 (Ft) **True Area:** 2535 (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 2015
9/1/2012	CS-AC	Crack Sealing - AC	0.00	0.00	☐	PMP 2012
9/1/1998	OL-AT	Overlay - AC Thin	0.00	2.00	☑	circa 1998
9/2/1943	NC-PC	New Construction - PCC	0.00	0.00	☑	unk. thickness
9/1/1943	SB-UN	Subbase - Unknown (Major MR)	0.00	0.00	☑	

Network: Madras Municipal **Branch:** T09MA Taxiway 09 Madra **Section:** 02 **Surface:**AC
L.C.D. 9/2/1998 **Use:** TAXIWAY **Rank:** S **Length:** 105.00 (Ft) **Width:** 45.00 (Ft) **True Area:** 4725.000118 (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 2015
9/1/2012	CS-AC	Crack Sealing - AC	0.00	0.00	☐	PMP 2012
9/1/2008	CS-AC	Crack Sealing - AC	0.00	0.10	☐	PMP 2008
9/2/1998	NC-AC	New Construction - AC	0.00	2.00	☑	circa 1998
9/1/1998	BA-UN	Base Course - Unknown (Major MR)	0.00	0.00	☑	circa 1998

Network: Madras Municipal **Branch:** T09MA Taxiway 09 Madra **Section:** 03 **Surface:**APC

L.C.D. 9/1/1998 **Use:** TAXIWAY **Rank:** S **Length:** 90.00 (Ft) **Width:** 45.00 (Ft) **True Area:** 4050.000101 (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 2015
9/1/2012	CS-AC	Crack Sealing - AC	0.00	0.00	☐	PMP 2012
9/1/2008	CS-AC	Crack Sealing - AC	0.00	0.10	☐	PMP 2008
9/1/1998	OL-AT	Overlay - AC Thin	0.00	2.00	☑	circa 1998
9/2/1943	NC-PC	New Construction - PCC	0.00	0.00	☑	unk. thickness
9/1/1943	SB-UN	Subbase - Unknown (Major MR)	0.00	0.00	☑	

Network: Madras Municipal **Branch:** T09MA Taxiway 09 Madra **Section:** 04 **Surface:**AC

L.C.D. 9/2/1998 **Use:** TAXIWAY **Rank:** S **Length:** 461.00 (Ft) **Width:** 20.00 (Ft) **True Area:** 7805 (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 2015
9/1/2012	CS-AC	Crack Sealing - AC	0.00	0.00	☐	PMP 2012
9/1/2008	CS-AC	Crack Sealing - AC	0.00	0.10	☐	PMP 2008
9/2/1998	NC-AC	New Construction - AC	0.00	2.00	☑	circa 1998
9/1/1998	BA-UN	Base Course - Unknown (Major MR)	0.00	0.00	☑	circa 1998

Network: Madras Municipal **Branch:** T10MA Taxiway 10 Madra **Section:** 01 **Surface:**AC

L.C.D. 9/2/1943 **Use:** TAXIWAY **Rank:** S **Length:** 800.00 (Ft) **Width:** 10.00 (Ft) **True Area:** 9313 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/2/1943	NC-AC	New Construction - AC	0.00	0.00	☑	date estimated from curve
9/1/1943	BA-UN	Base Course - Unknown (Major MR)	0.00	0.00	☑	date estimated from curve

Network: Madras Municipal **Branch:** T11MA Taxiway 11 Madra **Section:** 01 **Surface:**AC

L.C.D. 7/1/2020 **Use:** TAXIWAY **Rank:** S **Length:** 60.00 (Ft) **Width:** 42.50 (Ft) **True Area:** 2861.000000 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
7/1/2020	NC-AC	New Construction - AC	0.00	0.00	☑	
9/1/2015	CS-AC	Crack Sealing - AC	0.00	0.00	☐	PMP 2015
9/1/2012	CS-AC	Crack Sealing - AC	0.00	0.00	☐	PMP 2012
9/1/2008	CS-AC	Crack Sealing - AC	0.00	0.10	☐	PMP 2008
9/1/1998	OL-AT	Overlay - AC Thin	0.00	2.00	☑	circa 1998
9/2/1919	NC-AC	New Construction - AC	0.00	0.00	☑	unk. thickness
9/1/1919	BA-UN	Base Course - Unknown (Major MR)	0.00	0.00	☑	

Network: Madras Municipal **Branch:** T11MA Taxiway 11 Madra **Section:** 02 **Surface:**AC
L.C.D. 9/2/1998 **Use:** TAXIWAY **Rank:** S **Length:** 75.00 (Ft) **Width:** 20.00 (Ft) **True Area:** 1543.000037 (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 2015
9/1/2012	CS-AC	Crack Sealing - AC	0.00	0.00	☐	PMP 2012
9/2/1998	NC-AC	New Construction - AC	0.00	2.00	☑	circa 1998
9/1/1998	BA-UN	Base Course - Unknown (Major MR)	0.00	0.00	☑	circa 1998

Network: Madras Municipal **Branch:** T11MA Taxiway 11 Madra **Section:** 03 **Surface:**APC
L.C.D. 9/1/1998 **Use:** TAXIWAY **Rank:** S **Length:** 80.00 (Ft) **Width:** 20.00 (Ft) **True Area:** 1600.000040 (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 2015
9/1/2012	CS-AC	Crack Sealing - AC	0.00	0.00	☐	PMP 2012
9/1/2008	CS-AC	Crack Sealing - AC	0.00	0.10	☐	PMP 2008
9/1/1998	OL-AT	Overlay - AC Thin	0.00	2.00	☑	circa 1998
9/2/1943	NC-PC	New Construction - PCC	0.00	0.00	☑	unk. thickness
9/1/1943	SB-UN	Subbase - Unknown (Major MR)	0.00	0.00	☑	

Network: Madras Municipal **Branch:** T11MA Taxiway 11 Madra **Section:** 04 **Surface:**AC
L.C.D. 9/2/1998 **Use:** TAXIWAY **Rank:** S **Length:** 190.00 (Ft) **Width:** 20.00 (Ft) **True Area:** 2500.000089 (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 2015
9/1/2012	CS-AC	Crack Sealing - AC	0.00	0.00	☐	PMP 2012
9/1/2008	CS-AC	Crack Sealing - AC	0.00	0.10	☐	PMP 2008
9/2/1998	NC-AC	New Construction - AC	0.00	2.00	☑	circa 1998
9/1/1998	BA-UN	Base Course - Unknown (Major MR)	0.00	0.00	☑	circa 1998

Network: Madras Municipal **Branch:** T12MA Taxiway 12 Madra **Section:** 01 **Surface:**AC
L.C.D. 9/2/1998 **Use:** TAXIWAY **Rank:** S **Length:** 35.00 (Ft) **Width:** 20.00 (Ft) **True Area:** 872.0000182 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/2/1998	NC-AC	New Construction - AC	0.00	2.00	☑	circa 1998
9/1/1998	BA-UN	Base Course - Unknown (Major MR)	0.00	0.00	☑	circa 1998

Network: Madras Municipal **Branch:** T13MA Taxiway 13 Madra **Section:** 01 **Surface:**AC
L.C.D. 6/1/2002 **Use:** TAXIWAY **Rank:** S **Length:** 110.00 (Ft) **Width:** 25.00 (Ft) **True Area:** 3823.000039 (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 2015
9/1/2012	CS-AC	Crack Sealing - AC	0.00	0.00	☐	PMP 2012
6/1/2002	NC-AC	New Construction - AC	0.00	2.00	☑	
6/1/2002	BA-AG	Base Course - Aggregate	0.00	10.00	☐	

Network: Madras Municipal **Branch:** T13MA Taxiway 13 Madra **Section:** 02 **Surface:**APC

L.C.D. 6/1/2002 **Use:** TAXIWAY **Rank:** S **Length:** 90.00 (Ft) **Width:** 25.00 (Ft) **True Area:** 2250.000056 (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 2015
9/1/2012	CS-AC	Crack Sealing - AC	0.00	0.00	☐	PMP 2012
6/1/2002	OL-AT	Overlay - AC Thin	0.00	2.00	☑	
6/1/2002	CO-TA	Coat - Tack	0.00	0.00	☐	

Network: Madras Municipal **Branch:** T13MA Taxiway 13 Madra **Section:** 03 **Surface:**AC

L.C.D. 6/2/2002 **Use:** TAXIWAY **Rank:** S **Length:** 325.00 (Ft) **Width:** 25.00 (Ft) **True Area:** 8122 (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 2015
9/1/2012	CS-AC	Crack Sealing - AC	0.00	0.00	☐	PMP 2012
6/2/2002	NC-AC	New Construction - AC	0.00	2.00	☑	
6/1/2002	BA-AG	Base Course - Aggregate	0.00	10.00	☐	

Network: Madras Municipal **Branch:** T13MA Taxiway 13 Madra **Section:** 04 **Surface:**AC

L.C.D. 1/1/1901 **Use:** TAXIWAY **Rank:** S **Length:** 52.50 (Ft) **Width:** 95.00 (Ft) **True Area:** 5081.000001 (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 2015
9/1/2012	CS-AC	Crack Sealing - AC	0.00	0.00	☐	PMP 2012
1/1/1901	NU-IN	New Construction - Initial	0.00	0.00	☑	

Network: Madras Municipal **Branch:** T14MA Taxiway 14 Madra **Section:** 01 **Surface:**AC

L.C.D. 9/3/2011 **Use:** TAXIWAY **Rank:** P **Length:** 252.50 (Ft) **Width:** 40.00 (Ft) **True Area:** 10702 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/3/2011	NC-AC	New Construction - AC	0.00	2.00	☑	P401
9/2/2011	BA-AG	Base Course - Aggregate	0.00	5.00	☐	P209
9/1/2011	SB-AG	Subbase - Aggregate	0.00	10.50	☐	P209

Network: Madras Municipal **Branch:** T15MA Taxiway 15 Madra **Section:** 01 **Surface:**AC

L.C.D. 9/3/2011 **Use:** TAXIWAY **Rank:** P **Length:** 72.50 (Ft) **Width:** 50.00 (Ft) **True Area:** 4815 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/3/2011	NC-AC	New Construction - AC	0.00	2.00	☑	P401
9/2/2011	BA-AG	Base Course - Aggregate	0.00	5.00	☐	P209
9/1/2011	SB-AG	Subbase - Aggregate	0.00	10.50	☐	P209

Network: Madras Municipal **Branch:** T16MA Taxiway 16 Madra **Section:** 01 **Surface:**AC

L.C.D. 9/3/2011 **Use:** TAXIWAY **Rank:** P **Length:** 72.50 (Ft) **Width:** 50.00 (Ft) **True Area:** 4463 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/3/2011	NC-AC	New Construction - AC	0.00	2.00	☑	P401
9/2/2011	BA-AG	Base Course - Aggregate	0.00	5.00	☐	P209
9/1/2011	SB-AG	Subbase - Aggregate	0.00	10.50	☐	P209

Network: Madras Municipal **Branch:** T17MA Taxiway 17 Madra **Section:** 01 **Surface:**AC
L.C.D. 7/1/2020 **Use:** TAXIWAY **Rank:** P **Length:** 160.00 (Ft) **Width:** 45.00 (Ft) **True Area:** 10265.00000 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
7/1/2020	NU-IN	New Construction - Initial	0.00	0.00	☑	

Network: Madras Municipal **Branch:** T17MA Taxiway 17 Madra **Section:** 02 **Surface:**AC
L.C.D. 7/1/2020 **Use:** TAXIWAY **Rank:** P **Length:** 460.00 (Ft) **Width:** 35.00 (Ft) **True Area:** 23820.00000 (SqFt

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
7/1/2020	NU-IN	New Construction - Initial	0.00	0.00	☑	

Summary:

Work Description	Section Count	Area Total (SqFt)	Thickness Avg (in)	Thickness STD (in)
Base Course - Unknown (Major MR)	7	29,619.00	0.00	0.00
Base Course - Aggregate	32	1,639,002.00	5.59	2.06
Base Course - Pulverized AC	2	139,365.00	7.00	1.00
Coat - Tack	1	2,250.00	0.00	0.00
Complete Reconstruction - AC	10	1,097,545.00	2.80	1.33
Crack Seal - Wide Cracks	6	635,903.00	0.00	0.00
Crack Sealing - AC	58	2,657,949.00	0.04	0.05
Geotextile	5	414,093.00	0.00	0.00
New Construction - AC	31	770,064.00	1.97	1.20
New Construction - Initial	4	54,608.00	0.00	0.00
New Construction - PCC	17	111,666.00	2.24	4.04
Overlay - AC Structural	5	189,774.00	2.80	0.40
Overlay - AC Thin	5	13,296.00	2.00	0.00
Patching - AC Deep	8	1,094,114.00	0.00	0.00
Subbase - Aggregate	34	1,332,864.00	8.18	3.55
Subbase - Unknown (Major MR)	3	8,185.00	0.00	0.00
Surface Course - AC	2	55,025.00	2.00	0.00
Surface Seal - Fog Seal	8	750,337.00	0.10	0.00