FLORIDA DEPARTMENT OF TRANSPORTATION AVIATION AND SPACEPORTS OFFICE

Statewide Airfield Pavement Management Program

Airport Pavement Evaluation Report September 2017



Immokalee Regional Airport (IMM) General Aviation Airport District 1





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Florida Department of Transportation

Statewide Airfield Pavement Management Program

Prepared by:

FDOT Aviation and Spaceports Office 605 Suwannee Street Tallahassee, Florida 32399-0450

OFFICE OF FREIGHT, LOGISTICS & PASSENGER OPERATIONS



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Executive Summary



Executive Summary

Program Background

Airport airfield pavement infrastructure facilities represent a large capital investment in the Florida Airport System. Timely and appropriate maintenance and strategic rehabilitation are essential as repair costs increase significantly in proportion to deterioration. Airport pavement distresses can also contribute to the development of loose debris and decreased ride quality, which can be a safety concern for aircraft operations.

In 2016, the Florida Department of Transportation (FDOT) Aviation and Spaceports Office (ASO) selected Kimley-Horn and Associates, Inc. with subconsultants Airfield Pavement Management Systems, LLC and AVCON, Inc. to provide professional services in support of FDOT in the continued efforts of performing a system update to the Statewide Airfield Pavement Management Program (SAPMP). This work is to be completed from fiscal year 2016 through fiscal year 2019. The SAPMP has 95 public use airport facilities throughout the seven FDOT Districts that participate in the system update. The results of this system update for this specific airport are presented in this report and can be utilized by FDOT and the Federal Aviation Administration (FAA) to identify, prioritize, and schedule pavement maintenance, repair, and major rehabilitation projects.

Pavement condition was assessed utilizing the pavement condition index (PCI) methodology as defined in the FAA Advisory Circular 150/5380-7B "Airport Pavement Management Program (PMP)" using the documented procedures set forth by ASTM D5340-12 "Standard Test Method for Airport Pavement Condition Index Surveys."

Pavement deterioration, in accordance with the ASTM D5340-12, was characterized in terms of distinct distress types, severity level of distress, and quantity of distress. This information is utilized to calculate a PCI numeric that represents the overall condition of the pavement in a numeric index that ranges from 0 (a condition category of FAILED) to 100 (GOOD). The PCI methodology analyzes an overall measure of the pavement condition and provides an indication of the degree of maintenance, repair, or rehabilitation efforts that will be required to sustain functional pavement.

The tasks required for the system update at each participating airport consist of the following:

- Obtain recent and anticipated airfield pavement construction work data.
- Update airport airfield pavement system inventory records (construction history, identification, geometry, and facility classification).
- Perform PCI Survey Inspections at each participating airport.
- Update the FDOT SAPMP PAVER[™] database system.
- Update the FDOT SAPMP GIS Airfield Navigation GPS enabled Maps.
- Update airfield pavement performance models and pavement condition forecasting.
- Identification of planning-level maintenance, repair, and major rehabilitation to address pavement needs based on functional PCI analysis.
- Development of planning-level opinion of probable construction costs for pavement rehabilitation.

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Summary of Results

Pavement Condition Index (Latest Inspection)

 Table E-1 Pavement Condition Index Summary (Last Inspection) – Section Level

Network ID	Branch Name	Branch Use	Section ID	Area (SF)	PCI	Condition Rating
IMM	RUNWAY 18-36	RUNWAY	6105	30,000	28	Very Poor
IMM	RUNWAY 18-36	RUNWAY	6110	15,000	29	Very Poor
IMM	RUNWAY 18-36	RUNWAY	6115	406,752	24	Serious
IMM	RUNWAY 18-36	RUNWAY	6120	206,705	28	Very Poor
IMM	RUNWAY 9-27	RUNWAY	6235	500,000	94	Good
IMM	RUNWAY 4-22	RUNWAY	6305	16,098	34	Very Poor
IMM	RUNWAY 4-22	RUNWAY	6310	34,357	33	Very Poor
IMM	TAXIWAY A	TAXIWAY	205	222,150	25	Serious
IMM	TAXIWAY A	TAXIWAY	207	16,854	94	Good
IMM	TAXIWAY A1	TAXIWAY	210	23,396	20	Serious
IMM	TAXIWAY A2	TAXIWAY	225	25,177	94	Good
IMM	TAXIWAY A2	TAXIWAY	230	22,664	94	Good
IMM	TAXIWAY B	TAXIWAY	105	75,000	94	Good
IMM	TAXIWAY B	TAXIWAY	110	101,170	25	Serious
IMM	TAXIWAY B	TAXIWAY	120	12,050	92	Good
IMM	TAXIWAY B	TAXIWAY	125	65,249	93	Good
IMM	TAXIWAY B	TAXIWAY	415	39,812	91	Good
IMM	TAXIWAY B2	TAXIWAY	420	45,468	94	Good
IMM	TAXIWAY B3	TAXIWAY	425	21,549	91	Good
IMM	TAXIWAY C	TAXIWAY	310	52,883	81	Satisfactory
IMM	TAXIWAY C	TAXIWAY	315	73,566	83	Satisfactory
IMM	TAXIWAY TO CROP AP	TAXIWAY	305	33,633	61	Fair
IMM	CROP APRON	APRON	4105	10,000	33	Very Poor
IMM	SOUTH APRON AND FUELING RAMPS	APRON	4205	29,873	78	Satisfactory
IMM	SOUTH APRON AND FUELING RAMPS	APRON	4210	54,026	76	Satisfactory
IMM	SOUTH APRON AND FUELING RAMPS	APRON	4215	48,256	87	Good
IMM	SOUTH APRON AND FUELING RAMPS	APRON	4220	29,117	92	Good
IMM	APRON RUN-UP RW 36	APRON	4305	9,779	77	Satisfactory
IMM	APRON RUN-UP RW 36	APRON	4310	6,046	70	Fair
IMM	APRON RUN-UP RW 36	APRON	4315	18,864	88	Good
IMM	APRON TO HANGARS	APRON	4405	46,919	83	Satisfactory
IMM	APRON RUN-UP RW 27	APRON	5105	25,727	94	Good
IMM	APRON RUN-UP RW 9	APRON	5205	31,086	94	Good
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Forecasted Pavement Condition Index 2018-2027

Table E-2 Pavement Condition Index Forecast 2018-2027

Network ID	Duran als JD	0		Forecasted PCI									
Network ID	Branch ID	Section ID	Last PCI	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
IMM	AP HANG	4405	83	81	80	78	76	75	73	72	70	69	67
IMM	AP RU RW27	5105	94	92	91	89	87	86	84	83	81	80	78
IMM	AP RU RW36	4305	77	75	74	72	70	69	67	66	64	63	61
IMM	AP RU RW36	4310	70	68	67	65	63	62	60	59	57	56	54
IMM	AP RU RW36	4315	88	86	85	83	81	80	78	77	75	74	72
IMM	AP RU RW9	5205	94	92	91	89	87	86	84	83	81	80	78
IMM	AP S	4205	78	76	75	73	71	70	68	67	65	64	62
IMM	AP S	4210	76	74	73	71	69	68	66	65	63	62	60
IMM	AP S	4215	87	85	84	82	80	79	77	76	74	73	71
IMM	AP S	4220	92	90	89	87	85	84	82	81	79	78	76
IMM	CROP AP	4105	33	31	30	28	26	25	23	22	20	19	17
IMM	RW 18-36	6105	28	27	26	25	24	23	23	22	21	20	19
IMM	RW 18-36	6110	29	28	27	26	25	24	24	23	22	21	20
IMM	RW 18-36	6115	24	22	21	19	17	16	14	12	11	9	8
IMM	RW 18-36	6120	28	26	25	23	21	20	18	16	15	13	12
IMM	RW 4-22	6305	34	33	32	31	30	29	29	28	27	26	25
IMM	RW 4-22	6310	33	32	31	30	29	28	28	27	26	25	24
IMM	RW 9-27	6235	94	92	91	89	87	86	84	82	81	79	78
IMM	TW A	205	25	23	21	18	15	12	10	7	4	2	0
IMM	TW A	207	94	91	89	86	84	82	80	77	76	74	72
IMM	TW A1	210	20	17	14	11	9	6	3	1	0	0	0
IMM	TW A2	225	94	91	89	86	84	82	80	77	76	74	72
IMM	TW A2	230	94	91	89	86	84	82	80	77	76	74	72
IMM	TW B	105	94	91	89	86	84	82	80	77	76	74	72
IMM	TW B	110	25	23	21	18	15	12	10	7	4	2	0
IMM	TW B	120	92	89	87	84	82	80	78	76	74	73	71
IMM	TW B	125	93	90	88	85	83	81	79	77	75	73	72
IMM	TW B1	415	91	88	86	84	81	79	77	75	74	72	71
IMM	TW B2	420	94	91	89	86	84	82	80	77	76	74	72
IMM	TW B3	425	91	88	86	84	81	79	77	75	74	72	71
IMM	TW C	310	81	79	77	75	73	72	71	69	68	67	66
IMM	TW C	315	83	81	79	77	75	73	72	70	69	68	67
IMM	TW TO AP	305	61	60	59	57	56	55	54	52	51	49	47

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Major Rehabilitation Planning 2018-2027

Table E-3 Major Rehabilitation Planning 2018-2027

Program Year	Network ID	Branch ID	Section ID	Surface	Area (SF)	PCI Before	Rehabilitation Type	Planning Cost
2018	IMM	CROP AP	4105	AC	10,000	31	AC Reconstruction	\$ 91,000.00
2018	IMM	RW 18-36	6105	PCC	30,000	27	PCC Reconstruction	\$ 451,000.00
2018	IMM	RW 18-36	6110	PCC	15,000	28	PCC Reconstruction	\$ 226,000.00
2018	IMM	RW 18-36	6115	AC	406,752	22	AC Reconstruction	\$ 3,661,000.00
2018	IMM	RW 18-36	6120	AC	206,705	26	AC Reconstruction	\$ 1,861,000.00
2018	IMM	RW 4-22	6305	PCC	16,098	33	PCC Reconstruction	\$ 242,000.00
2018	IMM	RW 4-22	6310	PCC	34,357	32	PCC Reconstruction	\$ 516,000.00
2018	IMM	TW A	205	AC	222,150	23	AC Reconstruction	\$ 2,000,000.00
2018	IMM	TW A1	210	AC	23,396	17	AC Reconstruction	\$ 211,000.00
2018	IMM	TW B	110	AC	101,170	23	AC Reconstruction	\$ 911,000.00
2018	IMM	TW TO AP	305	AC	33,633	60	AC Restoration	\$ 236,000.00
2021	IMM	AP RU RW36	4310	AC	6,046	63	AC Restoration	\$ 43,000.00
2025	IMM	AP RU RW36	4305	AC	9,779	64	AC Restoration	\$ 69,000.00
2025	IMM	AP S	4210	AC	54,026	63	AC Restoration	\$ 379,000.00
2026	IMM	AP S	4205	AC	29,873	64	AC Restoration	\$ 210,000.00

*All planning cost values have been rounded to the nearest thousand-dollar.

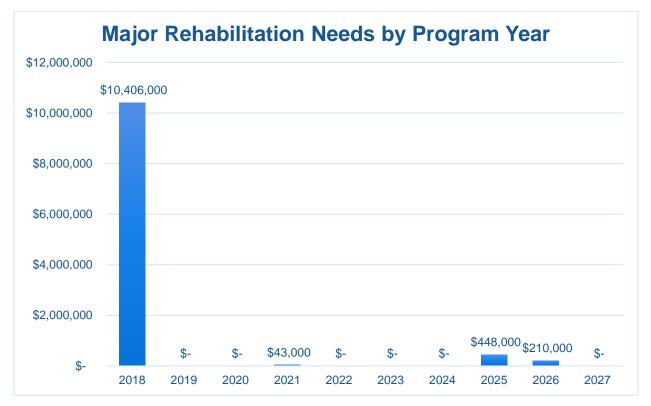


Figure E-4 Major Rehabilitation Planning Annual Budget 2018-2027

Summary of Immokalee Regional Airport

Immokalee Regional Airport was inspected in March 2017 – the overall weighted PCI value was 60, a condition rating of Fair. The results of the maintenance, repair, and major rehabilitation analysis identified \$3,541,670 in localized M&R needs based on current conditions and a 10-Year major rehabilitation need of \$11,107,000 based on forecasted conditions. The current major rehabilitation needs based on the latest inspection consist of \$10,406,000 for pavements below critical condition.

Localized maintenance and repair identified within this report are categorized as preventive or stopgap; the FDOT SAPMP has defined maintenance policies based on FAA recommendations. Major rehabilitation is identified within the FDOT SAPMP as major construction activity that would result in an improvement or resetting of the pavement section's PCI to a value of 100. Such activities could include: mill and hot-mix asphalt overlay, rigid pavement repair and slab replacement, and full-depth reconstruction. It is recommended that the airport use this as a planning tool for future project development and prioritization – all localized maintenance and repair and major rehabilitation recommendations should be considered as planning-level only. All final localized maintenance, repair, and major rehabilitation is subject to change based on airport prioritization and further design-level evaluation.



Chapter 1

Chapter 1 – Introduction

1.1 Background

The State of Florida has 128 public airports of which 100 public-use airports are recognized as part of the Federal Aviation Administration's (FAA) National Plan of Integrated Airport Systems (NPIAS) that are vital to the Florida economy as well as the economy of the United States. The Florida Aviation System (FAS) provides opportunities for the State to capitalize on an increasingly global marketplace. Florida's system of commercial service and general aviation (GA) airports are important to businesses throughout the entire State. Air travel is essential to tourism, Florida's number one industry.

There are millions of square feet of pavement infrastructure that consists of runways, taxiways, aprons, ramps, and other areas of airports that are vital to the support and safety of aircraft operations. Timely pavement maintenance, repair and major rehabilitation of these pavements will support the airport in operating safely, efficiently, economically and without excessive down time.

In general, adherence to the FAA Advisory Circulars are mandatory for all projects funded with federal grant monies through the Airport Improvement Program (AIP) and with revenue from the Passenger Facilities Charges (PFC) Program. Further information is detailed in FAA Grant Assurance No. 11 "Pavement Maintenance," No. 34 "Policies, Standards, and Specifications," and PFC Assurance No. 9 "Standards and Specifications." The Florida Department of Transportation (FDOT) performs the Statewide Airfield Pavement Management Program (SAPMP) System Updates for the benefit of participating public-use and publicly owned airports through the Aviation and Spaceports Office (ASO).

The SAPMP addresses the requirements of maintaining an effective pavement management program for the participating airports at the network level. Network-level management of pavement assets provides insight for short-term and long-term budget needs, understanding of the overall condition of the network (current and future), and pavement facilities that are subject for project consideration. A network-level evaluation can be supportive in the identification of maintenance, repair, and major rehabilitation needs and budgetary planning-level opinions of probable construction costs.

1.2 Statewide Airfield Pavement Management Program (SAPMP) Update 2016-2017

In 1992, the FDOT established the Statewide Airfield Pavement Management Program (SAPMP) to provide program managers, District Aviation and Spaceport Offices, and airport operators a system to proactively manage airport airfield pavement infrastructure within the Florida Aviation System. The SAPMP performs network-level Pavement Condition Index (PCI) survey inspections for airport facilities that are categorized as General Aviation (GA), Reliever (RL), and Commercial (PR). Currently, the program consists of 95 actively participating publicuse airports with pavement facilities and provides users with comprehensive data to better manage pavement assets.



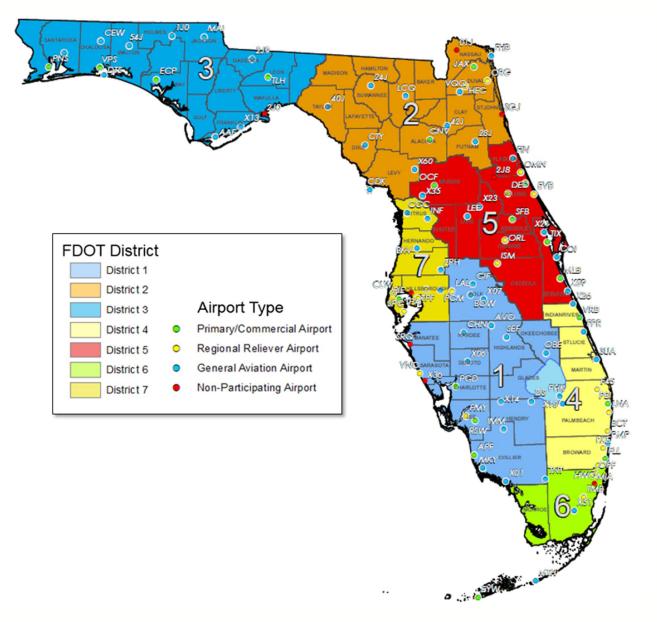


Figure 1.2 Florida Aviation System (Facilities with Pavement) and FDOT Districts

In 2016, the Florida Department of Transportation Aviation and Spaceports Office contracted Kimley-Horn and Associates, Inc. along with subconsultants Airfield Pavement Management Systems, LLC and AVCON, Inc. to provide professional services in support of FDOT in the continued efforts of performing a system update to the SAPMP. This work is to be completed from fiscal year 2016 through fiscal year 2019.



1.3 Organization

1.3.1 Florida Department of Transportation Aviation and Spaceports Office Program Manager

The FDOT Aviation and Spaceports Office (ASO) Aviation Engineering Manager serves as the Program Manager (ASO-PM) for the SAPMP. The ASO-PM monitors the work performed by the designated Consultant for the program. The ASO-PM has review and approval authority for each program task and manages the program's day-to-day details and pertinent updates.

The ASO-PM reports updates and milestones to the FDOT State Aviation and Spaceports Manager and Development Administrator.

1.3.2 Participating Florida Public-Use and Publicly Owned Airports

The airports are the end-user and beneficiary of the SAPMP. The SAPMP provides a specific Airport Pavement Evaluation Report that meets the requirements of the FAA Advisory Circular **150/5380-7B "Airport Pavement Management Program (PMP)."** Individual participating airports will be provided a final Airport Pavement Evaluation Report by the designated Consultant that is specific to each airport's airfield pavement condition index survey. The ASO-PM has full authority and final approval of each report prior to finalization. In advance of each PCI survey and prior to completion of each Airport Pavement Evaluation Report, participating airports are asked to provide the necessary record documentation for the proper analysis efforts. Relevant record documentation artifacts may consist of but are not limited to: Airport Layout Plans (ALP), Construction Bid Tabulations, As-Built Construction Drawings, Engineer's Reports, and/or field pavement inspection reports.

1.3.3 Florida Department of Transportation District Offices

The seven (7) FDOT District Offices, specifically the Aviation representatives (currently the Freight and Logistics personnel), provide essential support to the SAPMP update and the ASO-PM. Each District supports the SAPMP's on-going efforts by providing local construction cost information throughout the State. The construction cost information, typically consisting of plans and bid tabulations, are used as the basis of the development maintenance, repair, and major rehabilitation opinions of probable construction costs for planning purposes. Each District Office receives copies of individual Airport Pavement Evaluation Reports for the participating airport facilities located within their respective Districts.

1.3.4 Consultant

The Consultant, Kimley-Horn and Associates, Inc., provides technical and administrative support to the ASO-PM for the SAPMP update. The support consists of airfield pavement system inventory updates, performance of PCI Surveys in accordance with ASTM *D5340-12* "*Standard Test Method for Airport Pavement Condition Index Surveys,*" evaluation and reporting of the pavement condition in accordance with the FAA Advisory Circular *150/5380-7B* "*Airport Pavement Management Program (PMP).*"

The Consultant Team consists of Kimley-Horn, Airfield Pavement Management Systems, LLC., and AVCON, Inc.

A brief description of the general scope of work undertaken to update the SAPMP includes but is not limited to:

- Research and evaluation of existing record documentation was performed to identify construction projects that have taken place since the most recent major update of the SAPMP. This data is used to update the pavement inventory and network definition.
- An update to the existing Network Definition Map was made to reflect geometric changes, pavement composition updates, and section characterization. Furthermore, an update to the PCI Survey sample units were made to reflect the field investigation efforts.
- A functional pavement evaluation with PCI Survey inspections was completed on all airfield pavements maintained by the Airport. The PCI Survey procedure, as defined by ASTM D5340-12, was used as the basis of the functional pavement evaluation. For this specific evaluation, the sample units defined by prior studies were inspected as to better develop performance models for prediction curves. Pavement subject to construction or anticipated construction during scheduled PCI Survey inspection or within 2 years were omitted from inspection based on confirmation of airport personnel.
- Condition Analysis was performed based on the distress data observed, rated, measured, and recorded in accordance with the ASTM D5340-12 for the calculation of PCI values and ratings. The results of the current condition analysis were used in concert with the historic PCI Survey data and construction work history to develop performance models to forecast future PCI values for each section for a 10-year study duration.
- Maintenance, Repair, and Rehabilitation Planning was performed predicated on the results of the condition analysis with updated policies and planning-level unit costs. The policies, or M&R policies, have been updated to reflect standard practices for maintenance, repair, and major rehabilitation as defined by the FAA AC 150/5380-6C "Guidelines and Procedures for Maintenance of Airport Pavements." Planning-level unit costs were developed based on representative construction bid tabulations provided by participating airports. The bid tabulations consisted of limited airfield pavement construction projects that took place between 2009 and 2015 at participating airports.

1.4 Purpose of Airport Pavement Evaluation Report

The individual airport airfield pavement evaluation report discusses the work performed, a summary of findings, condition analysis results, and recommendations for maintenance, repair, and major rehabilitation (M&R) planning associated with the SAPMP system update. It also briefly describes the procedures used to ensure that the appropriate engineering and scientific standards of care, quality, budget, schedules, and safety requirements were implemented during the performance of this work.

The purpose of this Airfield Pavement Evaluation Report is to achieve the following:

- Describe the goals, procedures, and purpose of the SAPMP
- Provide a brief technical explanation of the pavement management methodology, standard practices, and objectives
- Analyze pavement distresses data for the determination of pavement conditions and for identification of airfield pavement maintenance, repair, and major rehabilitation needs based on functional PCI trends

The identification of rehabilitation needs has been determined at the planning level. Design-level investigation is recommended prior to developing construction-level design documents and budgets.

In compliance with FAA Grant Assurances 11 and 19; the FDOT SAPMP provides airports with airfield pavement evaluation reports in accordance with FAA AC 150/5380-7B Airport Pavement Management Program (PMP) and AC 150/5380-6C Guidelines and Procedures for Maintenance of Airport Pavements. The application of the results of a PCI survey are for planning purposes and are limited to the visual observation of deteriorated pavements in limited sampling; design-level investigation is recommended in accordance with the FAA procedures defined in AC 5320-6F Airport Pavement Design and Evaluation and AC 150/5370-11B Use of Nondestructive Testing in the Evaluation of Airport Pavements. The aforementioned ACs provide the design-level material properties of in-situ pavement and subgrade layers for the determination of appropriate rehabilitation actions. The FDOT Statewide Airfield Pavement Management Program is organized to provide airports with planning-level data and does not intend to preclude the responsible engineer in performing the appropriate level of investigation and analysis in determining the appropriate design details of a pavement rehabilitation. It would not be advisable to solely base design-level rehabilitation without the appropriate level of investigation and determination of pavement deterioration beyond that of a visual functional condition assessment.

1.5 History of the Program

In 1992, the FDOT implemented the SAPMP to understand the pavement conditions at public airports in the FAS, systematically update pavement infrastructure information, and assist airport operators with recommendations of pavement maintenance, repair, and major rehabilitation needs. The 1992 SAPMP implementation provided the FDOT and the participating airports valuable information for establishing and performing timely and appropriate pavement rehabilitation.

During the 1992-1993 implementation and again during the 1998-1999 updates; the SAPMP performed the development with proprietary software for pavement management system analysis. This development allowed for the creation of pavement management database file system populated with airport attributes and condition data. The pavement management database was used to establish maintenance, repair, and rehabilitation policies; consider planning-level unit costs; and develop recommendations for performing pavement maintenance. This system, known as AIRPAV, was initially developed during the 1992-1993 SAPMP implementation for the analysis of distress data. The AIRPAV system was used again in the 1998-1999 SAPMP update.

In 2004, the SAPMP system update included the review of the AIRPAV software compared to other industry available non-proprietary software packages. As a result of this review, MicroPAVER[™] (currently known as PAVER[™]) was selected for implementation of the system update. MicroPAVER[™] was developed by the U.S. Army Corps of Engineers Construction Engineering Research Laboratory for pavement management. Data from the 1998-1999 FDOT SAPMP update, which was built upon the initial 1992-1993 implementation of AIRPAV, was reviewed and converted to be compatible with the MicroPAVER[™] system. This data conversion included all documented pavement facilities, classifications, types, histories, geometries, PCI condition data and pertinent attributes gathered from airport feedback at the time. This information was used to develop the inventory of each participating airport's pavement facilities in a consistent format. This was the development of Airfield Pavement Network Definition Exhibits. These inventory exhibits visually depicted the branch, section, and sample units that were based upon the pavement construction history and composition information provided by each airport.

In the 2006-2008 system update, the SAPMP was updated again with continued use of the MicroPAVER[™] system. Based on the distress data collected, a maintenance repair and major rehabilitation planning program was developed for each airport. As part of this SAPMP update, the procedures for the inspection and the collection of the pavement distress data were documented, and an interactive website (http://www.dot.state.fl.us/aviation/pavement.shtm) was established for input of data.

In the 2010-2012 system update, the SAPMP was updated using new global positioning system (GPS) integrated technology to digitally collect pavement distress data. Interactive geographic information system (GIS) map files were developed from updated Airfield Pavement Network Definition Exhibits to aid pavement condition inspectors in the collection of sample distress data. The data collected was utilized to develop pavement performance models to predict future pavement PCI values and make recommendations for major rehabilitation.

In the 2013-2015 system update, the SAPMP integrated PAVER[™] and FieldInspector[™] with the use of GPS and GIS capable field tablets. Furthermore, the update included continued adherence to the ASTM *D5340-12* "*Standard Test Method for Airport Pavement Condition Index Surveys.*" The ASTM update consisted of refinement of distress definition types and deduction values for select asphalt concrete and Portland Cement Concrete distresses.



1.6 Federal Aviation Administration (FAA)

Currently, airports participating in the Airport Improvement Program (AIP) Grant Program are required by the FAA to develop and implement a pavement maintenance program to be eligible for funding (FAA Advisory Circular 150/5380-6C "Guidelines and Procedures for *Maintenance of Airport Pavements*" and 150/5380-7B "Airport Pavement Management **Program (PMP)**"). This program requires detailed inspection of airfield pavement conditions by trained personnel. The inspections are required to be performed at least once a year using the PASER method or every three years if the pavement is inspected as defined by the PCI survey procedure in accordance with the ASTM D5340-12 "Standard Test Method for Airport Pavement Condition Index Surveys."

In general, adherence to the Advisory Circulars are mandatory for all projects funded with federal grant monies through the AIP program and with revenue from the Passenger Facilities Charges (PFC) Program. Further information is detailed in FAA Grant Assurance No. 11 "Pavement Maintenance," No. 34 "Policies, Standards, and Specifications," and PFC Assurance No. 9 "Standards and Specifications."

1.7 FDOT SAPMP Objectives and Components

The FDOT SAPMP is a program that provides the FAS support in implementing and/or maintaining a network-level Pavement Management Program in a consistent and regularly scheduled manner.

In accordance with FAA AC150/5380-7B "Airport Pavement Management Program (PMP)" an effective Pavement Management Program consists of a system that achieves specific objectives. The FDOT SAPMP objectives are as follows:

1.7.1 Program Objectives

- 1 A systematic means for collecting and storing information regarding existing pavement structure and condition.
- 2 An objective and repeatable system for evaluating pavement condition.
- 3 Procedures for predicting future pavement condition.
- 4 Procedures for modeling both past and future pavement performance conditions.
- 5 Procedures to determine the budget requirements to meet management objectives, such as the maintenance, repair, and major rehabilitation budget required to keep a pavement at a specified PCI level or the budget required to improve to target PCI level.
- 6 Procedures for formulating and prioritizing maintenance, repair, and major rehabilitation projects.

The objectives are accomplished by the following components:

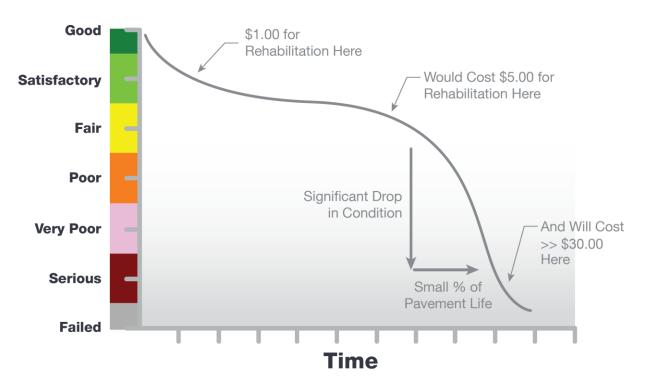
1.7.2 Program Components

- A. Database
- B. Pavement Inventory
- C. Pavement Structure
- D. Pavement Work History
- E. Pavement Condition Data



- F. Pavement Performance Modeling for the Prediction/Forecast of PCI
- G. Maintenance, Repair, and Major Rehabilitation Policies and Budget Simulation

A well-maintained network-level pavement management program may provide airport staff a better understanding of the airfield pavement performance for developing and planning for specific maintenance, repair, and major rehabilitation projects. The understanding of specific distress types and severities will assist the airport in addressing pavement maintenance and repair with the appropriate treatments as defined by the FAA Advisory Circular 150/5380-6C "Guidelines and Procedures for Maintenance of Airport Pavements." The development of projects with an understanding of system inventory, deterioration details, and pavement condition forecasts may assist airport staff in developing practical rehabilitation actions and budgets. Furthermore, the understanding of pavements' past performance and forecasted condition may assist airport staff in addressing pavement rehabilitation in a timely and costeffective manner. Figure 1.7-1 Typical Pavement Condition Life Cycle, which is based on the FAA Advisory Circular 150/5380-7B "Airport Pavement Management Program (PMP)." Figure 1.7-1 Typical Pavement Condition Life Cycle, depicts a general duration of a pavement section and identifies the ideal condition to perform rehabilitative treatments at an optimal cost rather than allowing significant increase in rate of deterioration that would result in increased costs.



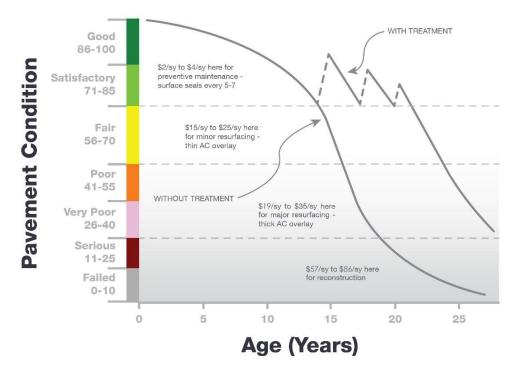


*Figure is for conceptual purposes only – unit costs are not specific to airfield pavements (AC vs PCC).

Figure 1.7-2 General Pavement Treatments by Condition Range depicts generic flexible asphalt concrete (AC) pavement treatments that are effective at specific condition ranges. This graphic is a general concept and will vary based on pavement surface type and overall

composition. The intent is to convey various treatment types that would be effective based on the condition of the pavement along the deterioration model.





Pavement maintenance, repair, and major rehabilitation would be quite anticipatory if all pavements behaved as depicted in **Figures 1.7-1 and 1.7-2**, however pavement condition performance vary significantly based on several factors. Factors that contribute to a pavement section's condition and deterioration performance may include: functional design life, material type, material construction quality, climatic conditions, aircraft loading type and frequency, non-aircraft loading type and frequency, maintenance history, subgrade conditions, and other infrastructure in the vicinity. The list of factors is not all-inclusive of all factors that may contribute to a pavement's life cycle, it is intended to clarify that unique conditions certainly will affect a pavement's deterioration.

Figures 1.7-3 and Figure 1.7-4 depict visual conditions of pavement facilities, for both AC and PCC respectively, with approximated PCI ranges and corresponding repair and rehabilitation measures.

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	PCI Range	Representative PCI	Representative Pavement Surface	Rehabilitation Activities
Routine Maintenance	86-100	90		Pavements with PCI values above 85, or 'Good', may require periodic joint/crack sealing and local patching.
Pavement Preservation	65-85	70		Pavements with PCI conditions ranging from 'Fair' to 'Satisfactory' may require surface treatments (seal coat), thin overlays, and/or joint/crack sealing.
Major Rehabiliation	40-64	50	AT.	Pavements that have deteriorated below a PCI 65, or within the range of 'Very Poor' to 'Fair' conditions, may require major rehabilitation such as pavement mill and overlay or partial full-depth reconstruction.
Major Reconstruction	0-39	15		Pavements that have deteriorated below a PCI 40, or within the range of 'Failed' to 'Very Poor' conditions, may require major reconstruction.

Figure 1.7-3 Flexible Asphalt Concrete



	PCI Range	Representative PCI	Representative Pavement Surface	Rehabilitation Activities
Routine Maintenance	86-100	90		Pavements with PCI values above 85, or 'Good', may require periodic joint/crack sealing and local patching.
Pavement Preservation	65-85	70		Pavements with PCI conditions ranging from 'Fair' to 'Satisfactory' may require patches and/or joint/crack sealing.
Major Rehabiliation	40-64	50		Pavements that have deteriorated below a PCI 65, or within the range of 'Very Poor' to 'Fair' conditions may require major rehabilitation such as slab replacement and PCC restoration activity.
Major Reconstruction	0-39	15		Pavements that have deteriorated below a PCI 40, or within the range of 'Failed' to 'Very Poor' conditions, may require major reconstruction.



1.8 References

The following reference documents were referenced as specific guidelines and procedures for maintaining airport pavements; establishing an effective pavement maintenance program; and identifying specific pavement distresses, probable causes of distresses, inspection guidelines, and recommended methods of repair:

- ASTM D5340-12 "Standard Test Method for Airport Pavement Condition Index Surveys."
- FAA Advisory Circular 150/5380-7B 150/5380-7B "Airport Pavement Management Program."
- FAA Advisory Circular 150/5380-6C "Guidelines and Procedures for Maintenance of Airport Pavements."
- FAA Advisory Circular 150/5320-6F "Airport Pavement Design and Evaluation."
- Department of the Air Force, Air Force Civil Engineer Center "Engineering Technical Letter (ETL) 14-3: Preventive Maintenance Plan (PMP) for Airfield Pavements."
- Unified Facilities Criteria (UFC) 3-260-16FA 16 "Airfield Pavement Condition Survey Procedures Pavements."
- Unified Facilities Criteria (UFC) 3-260-03 "Airfield Pavement Evaluation."
- Pavement Management for Airports, Roads, and Parking Lots 2nd Edition, M.Y. Shahin.



Chapter 2

Chapter 2 – Methodology

An effective pavement management program incorporates the regular collection of pavement condition information and communication of information to appropriate sponsors. This chapter of the report defines the specific methods utilized as part of the SAPMP System Update to meet the requirements of an effective pavement management system as defined by the FAA Advisory Circular **150/5380-7B** "Airport Pavement Management Program (PMP)."

2.1 Airfield Pavement Database

The SAPMP program has historically utilized PAVER[™] (formerly MicroPAVER[™]); the current update has maintained the use of the PAVER[™] 7.0 version of the software. The PAVER[™] software application was developed by the U.S. Army Construction Engineering Research Laboratory sponsored by the FAA, Federal Highway Administration, U.S. Army, U.S. Air Force, and the U.S. Navy to meet the objectives of an effective pavement management system. The SAPMP consists of a network-level database of the airport's airfield pavement facilities that are part of the program. PAVER[™] can achieve the following pavement management objectives: a manageable inventory system, the analysis of the current condition of pavements in accordance with the ASTM D5340, the development of pavement performance models to forecast conditions, and the development of maintenance, repair, and major rehabilitation recommendations based on budgetary scenarios.

PAVER[™] inventory management is based on a tiered organizational structure that consists of networks, branches, and sections, with the section being the smallest unit of management. Critical elements of an effective pavement management program are maintained within the network-level PAVER[™] database. These elements typically consist of pavement inventory characteristics, pavement structure, work history, historic condition records, and analytical customization.

The SAPMP System Update consisted of the conversion of the previous database from a PAVER[™] version 6.5 to a version 7.0.

2.2 Airfield Pavement System Inventory

An airfield pavement system inventory typically maintains the location of all runways, taxiways, and aprons; geometric characteristics; type of pavement structure, year of construction and/or last major rehabilitation; and general composition details of the pavement.

The pavement inventory for an airport's airfield is an assembly of pavement infrastructure information that builds an inventory of branches and sections that codifies the airport's airfield pavement network. General geometry characteristics, estimated length, width, functional classification, pavement surface type, and operational function are among the characteristics identified at this initial phase in the pavement management process. The development of a pavement inventory that reasonably reflects the airport's airfield pavement facilities that are maintained by the airport provides a defined scope of the inspection and analysis efforts. As in the past, the SAPMP scope of work is specific to the airport-maintained airfield pavements as defined in the field network definition exhibits presented to current airport personnel.

A critical input to the pavement system inventory and network definition in the development of the SAPMP update is the date of last major rehabilitation/construction performed on the pavement assets that would set the asset at a PCI of 100 and a condition rating of Good. The airport provided a limited combination of record drawings, reports, and staff input that was pertinent information in developing the construction history of the airport's pavements from inception. Major rehabilitation/construction activities performed in the last 24-months or anticipated in the next 24-months are assumed to restore the PCI to 100. These activities include; pavement overlay, mill and replace, mill and overlay, new construction, and/or complete reconstruction.

Aerial imagery was obtained through the FDOT Surveying & Mapping Office's *Aerial Photo Look Up System (APLUS)*. This spatially projected imagery was utilized with computer-aided drafting software (AutoCAD) in concert with geographical information system software (ArcGIS) to develop a planning-level representative model that reasonably reflects the pavement assets at the airport.

2.2.1 Pavement Management Program Network Definition Terminology

There are several terms that are common in the communication of the results of the SAPMP System Update, these terms are defined as follows:

Pavement Network

A pavement network is a logical unit for organizing pavements into a structure for pavement management. A network will typically consist of one or more pavement *branches*, which are typically comprised of one or many pavement *sections*. The network is the starting point of the hierarchy of pavement management organization. For example, a network can be all the pavements within an airport's airfield or all the pavements in a statewide program. For the FDOT SAPMP, a network represents an individual airport's airfield pavement facilities maintained by the airport.

The SAPMP System Update consists of research and evaluation of existing record documentation for the participating airports' airfield facilities. The pavement network is typically limited to the pavement facilities subject to aircraft use that is also maintained by the airport owner and eligible for public funding.

Pavement Branch

A pavement branch, also known as a facility, is a logical unit of generally identifiable pavement of a network with distinct functional classification. For example, within an airfield each runway, taxiway, or apron is considered a branch. A branch must consist of at least one section.

Pavement Section

A pavement section, also known as a feature, is the most specific management unit when considering the application and selection of maintenance, repair, and/or major rehabilitation treatments on an area of pavement within a branch. Each branch consists of at least one section, but may consist of more if pavement feature characteristics are distinct throughout the branch. Characteristics considered when subdividing branches into sections include, but are not limited to: pavement structure, type, age, condition, and function; traffic composition and frequency (current and future); geometric location; construction history; and other related

infrastructure features (e.g. drainage). A pavement section is defined as a subordinate of a pavement branch, which is a subordinate of a "parent" pavement network.

Pavement Sample Unit

A pavement sample unit is a subdivision of a pavement section that has a standard size range: twenty (20) continuous slabs (± 8 slabs) for Portland Cement Concrete (PCC) pavement and 5,000 contiguous square feet ($\pm 2,000$ ft²) for flexible asphalt concrete (AC) or porous friction course pavements.

PMS Network Level	Common Definition	Airport Example
Network	Overall pavement assets maintained by the Airport	"Tallahassee International Airport – Airfield Pavements"
Branch Name	Commonly defined asset name as established by Airport and by use	"Runway 18-36"
Branch ID	Codified shorthand name for commonly defined asset established for database identification	"RW 18-36" RW, Branch Use, "Runway" 18-36, Runway Facility
Section ID	Codified identification for pavement asset that is distinct by the following: Pavement Composition Construction Work History Aircraft Traffic Condition Records	"6105"
Sample Unit	A numeric identification of an area of pavement (5,000±2,000 SF of AC or 20±8 slabs of PCC) that has been inspected in accordance with ASTM D5340-12.	"300"

Table 2.2.1 Airfield Pavement Database Network Definition Terminology



2.3 Airfield Pavement Structure

2.3.1 Pavement Structure Types

Airport airfield pavements are constructed to provide adequate support for the loads imposed by aircraft and produce a firm, stable, smooth, all-year, all-weather surface free of debris or other particles that may be blown or dislocated by propeller wash or jet blast. Typical pavement planning and design requires coordination of factors that include but are not limited to; subgrade conditions, material layer types, aircraft fleet mix (type, frequency, and traffic growth), and functional use. A pavement structure is composed of constructed layers that consist of subgrade, subbase, base course, structural courses, and surfaces courses. For the FDOT SAPMP, two major pavement structure types are classified for evaluation and analysis: Flexible Asphalt Concrete Surface and Rigid Portland Cement Concrete Surface. Additionally, Composite Structures known as Whitetopping Pavements are also present at limited airports within the Florida Airports System; these unique pavement structures are evaluated separately.

Flexible Asphalt Concrete Surface

A pavement comprised of aggregate mixture with an asphalt cement binder. The FDOT SAPMP consists of three (3) asphalt concrete surface types: Asphalt Concrete (AC), Asphalt Concrete Overlaid on Asphalt Concrete (AAC), and Asphalt Concrete Overlaid on Portland Cement Concrete (APC).

Asphalt Concrete (AC)

A flexible pavement section consisting of aggregate mixture with asphalt cement binder layered on engineered base course material that is layered on subbase and subgrade soil material.

Asphalt Concrete Overlaid on Asphalt Concrete (AAC)

A flexible pavement section consisting of aggregate mixture with asphalt cement binder layered on an existing flexible AC pavement section. Flexible airfield pavement sections are AAC when a pavement rehabilitation consists of a pavement milling operation and a resurfacing of asphalt layers; or a direct overlay of asphalt concrete without surface preparation.

Asphalt Concrete Overlaid on Portland Cement Concrete (APC)

A flexible pavement section consisting of aggregate mixture with asphalt cement binder layered on an existing Rigid PCC pavement section. This unique pavement composition may result in distinct pavement distress manifestations known as reflective joint cracking.



Rigid Portland Cement Concrete Surface

A pavement comprised of aggregate mixture with a Portland Cement binder. The FDOT SAPMP recognizes Portland Cement Concrete (PCC) as the primary rigid pavement section.

Portland Cement Concrete (PCC)

A rigid pavement section composed of Portland cement concrete placed on a granular or treated base course that is supported on a compacted subgrade. The concrete surface must provide a texture of nonskid qualities, prevent the infiltration of surface water into the subgrade, and provide structural support to the airplanes. Rigid pavement construction requires the layout of appropriately designed joint spacing.

Composite Structure – Whitetopping Pavement

A composite pavement comprised of relatively thin Portland Cement Concrete overlaid on an existing flexible asphalt concrete pavement structure. There are three (3) types of Whitetopping Pavements; Conventional (WHT), Thin (TWT), and Ultra-Thin (UTW).

Conventional Whitetopping (WHT)

A composite pavement structure consisting of a modified PCC overlaid on an existing flexible AC pavement section area. The modified PCC layer is typically greater than 6-inches in thickness.

Thin Whitetopping (TWT)

A composite pavement structure consisting of a modified PCC overlaid on an existing flexible asphalt concrete pavement section. The modified PCC layer is typically between 4 and 6 inches in thickness.

Ultra-Thin Whitetopping (UTW)

A composite pavement structure consisting of a modified PCC overlaid on an existing flexible asphalt concrete pavement section. The Portland Cement Concrete layer is typically between 2 and 4 inches in thickness.

2.4 Airfield Pavement Work History

2.4.1 Airfield Pavement Record Keeping

It is strongly recommended that airports maintain records of all airfield construction and maintenance related to the pavement facilities. A history of all maintenance and repair performed and its associated costs (construction and soft costs) can provide valuable information on the effectiveness of various treatments on pavements. An airport should maintain detailed records of maintenance (routine, emergency, and proactive) activities. The records should consist of the following:

- 1. Location and Limits of Work.
- 2. Types and Severity of Distresses Repaired.
- 3. Type of Work.
- 4. Cost of Work.
- 5. Supporting Documents (contract documents, construction drawings, specifications, bid tabulations, repair product, photograph records, etc.).

2.5 Airfield Pavement Traffic

A pavement section is typically designed to meet the needs of the user (airlines, air cargo, general aviation, and/or military) in providing a safe, smooth, operational surface. Pavement deterioration generally occurs gradually through increased roughness and/or fatigue cracking caused by successive and heavy aircraft traffic.

This study does not consist of a study or analysis of each individual airport's airfield aircraft fleet mix or traffic operations. However, it is strongly recommended that airports incorporate the requirements of FAA Advisory Circular **150/5320-6F Airport Pavement Design and Evaluation** when developing design-level rehabilitation activities. The AC provides guidance on incorporation of aircraft traffic fleet mix data.

2.6 Airfield Pavement Condition Index (PCI) Survey

2.6.1 PCI Survey Methodology

In adherence to the FAA Advisory Circular **150/5380-7B** "Airport Pavement Management **Program (PMP)**," the FDOT SAPMP utilizes the PCI Survey Method of inspection to collect pavement distress data and analyze the condition. The PCI Survey Inspection procedure is a visual statistical sampling of pavements for recording primary distress types (e.g. cracking and deformation), associated severities, and quantities as defined by the ASTM D5340-12. This effort is the primary means of obtaining and recording pavement distress data. The survey inspection consists primarily of visual inspection of pavement surfaces for signs of distress and deterioration resulting from loading (aircraft) and environmental influences.

A visual pavement condition survey provides an indication of the cause and rate of deterioration of a pavement section from a functional point of view and can be an indicator of structural distress. The functional condition analysis assesses the rating of the operational surface. A visual PCI Survey Inspection does not predict the remaining structural life of a pavement section, or its ability to support loads. The functional condition determined by the PCI method



can provide a cost-effective means to plan for pavement rehabilitation projects. The timely application of pavement rehabilitation may lead to the extension of functional life of individual pavement sections. This method varies from structural evaluation; functional condition is limited to visually observed distresses and indicative modes of pavement deterioration. A formal structural evaluation analyzes subsurface conditions, material characteristics, and qualitative pavement structure attributes. A structural evaluation may consist of; subsurface geotechnical exploration, falling weight deflectometer testing, petrographic testing, material coring, and/or flexural testing.

2.6.2 Pavement Distress Types

For each section, the severity and quantity of defined distresses are recorded and then analyzed in accordance with the ASTM D5340-12 standard. The standard identifies 17 distinct flexible asphalt concrete distress types and 16 distinct rigid Portland Cement Concrete distress types.

Table 2.6.2-1 (a) Pavement Distress Types – Flexible Asphalt Concrete-Surfaced Airfields

Distress	Common Distress Mechanisms
Alligator Cracking	Load / Fatigue
Bleeding	Construction Quality/ Mix Design
Block Cracking	Climate / Age
Corrugation	Load / Construction Quality
Depression	Load / Subsurface
Jet Blast	Aircraft
Joint Reflection - Cracking	Climate / Subsurface Pavement / Traffic Load
Longitudinal/Transverse Cracking	Climate / Construction Quality
Oil Spillage	Aircraft / Vehicle
Patching	Utility / Pavement Repair / Age
Polished Aggregate	Repeated Traffic Loading
Raveling	Climate / Age
Rutting	Load / Fatigue
Shoving	PCC Pavement Growth / Movement
Slippage Cracking	Load / Pavement Bond / Mix Design
Swelling	Climate / Subsurface
Weathering	Climate / Age

Table 2.6.2-1 (b) Pavement Distresses Possible Causes – Flexible Asphalt Concrete-SurfacedAirfields

	Classification by Poss	sible Causes	
Load	Climate / Durability	Moisture / Drainage	Others
 Alligator Cracking Corrugation Depression Patching of Load-based distress Polished Aggregate Rutting Slippage Cracking 	 Bleeding Block Cracking Joint Reflection Cracking L/T Cracking Patching of climate / durability-caused distresses Shoving from PCC Raveling Weathering Swelling 	 Alligator Cracking Depression Patching of moisture / drainage caused distress Swelling Raveling Weathering 	 Oil Spillage Jet Blast Erosion Polished Aggregate

Table 2.6.2-1 (c) Pavement Distresses Possible Effects – Flexible Asphalt Concrete-SurfacedAirfields

	Classificat	ion by Possible Effects	
Roughness	Skid / Hydroplaning Potential	FOD Potential	Rate of Deterioration and Maintenance Requirements
 Corrugation Depression Rutting Shoving of asphalt pavement Swelling Raveling Weathering 	 Bleeding Depression Polished Aggregate Rutting 	 Block Cracking Joint Reflection Cracking L/T Cracking Slippage Cracking 	All Distresses



Distress	Common Distress Mechanisms
Blowup	Climate / ASR
Corner Break	Load Repetition / Curling Stresses
Linear Cracking	Load Repetition / Curling Stresses / Shrinkage Stresses
Durability Cracking	Freeze-Thaw Cycling
Joint Seal Damage	Material Deterioration / Construction Quality / Age
Small Patch	Pavement Repair
Large Patch/Utility Cut	Utility / Pavement Repair
Popout	Freeze-Thaw Cycling / ASR / Material Quality
Pumping	Load Repetition / Poor Joint Sealant
Scaling	Construction Quality / Freeze-Thaw Cycling
Faulting	Subgrade Quality / ASR / Inadequate Load Transfer
Shattered Slab	Overloading
Shrinkage Cracking	Construction Quality / Climate
Joint Spalling	Load Repetition / Infiltration of Incompressible Material / Deterioration of Dowel (Load Transfer) Bars
Corner Spalling	Load Repetition / Infiltration of Incompressible Material / Deterioration of Dowel (Load Transfer) Bars
Alkali-Silica Reaction (ASR)	Construction Quality / Climate / Chemical Reaction

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Table 2.6.2-2 (b) Pavement Distresses Possible Causes – Rigid Portland Cement Concrete-
Surfaced Airfields

	Classification by Pos	sible Causes	
Load	Climate / Durability	Moisture / Drainage	Others
 Corner Break Shattered Slab L/T/D Cracking Pumping Patching of Load- associated distress Spalling 	 Blowup "D" Cracking Joint Seal Damage Popouts Scaling Patch of Climate/Durability- associated distress Shrinkage Cracking Spalling L/T/D Cracking 	 Corner Break Shattered Slab Pumping Patching of Moisture/Drainage- associated distress 	Settlement / Faulting

Table 2.6.2-2 (c) Pavement Distresses Possible Effects – Rigid Portland Cement Concrete-
Surfaced Airfields

	Classifica	ation by Possible Effect	S
Roughness	Skid / Hydroplaning Potential	FOD Potential	Rate of Deterioration and Maintenance Requirements
 Blowup Corner Break L/T/D Cracking Shattered Slab Settlement / Faulting Spalling 	 Settlement / Faulting Spalling 	 Corner Break L/T/D Cracking "D" Cracking Joint Seal Damage Shattered Slab Popouts Scaling 	All distresses



2.6.3 PCI Survey Inspection Procedures

Inspection Sampling Rate

The FDOT SAPMP performs PCI Survey Inspections on sample units defined in the previous update. The sample units are subject to change at the discretion of the inspection personnel and/or to major pavement rehabilitation treatments. Furthermore, access to the sample units based on accessibility or impacts to operations may affect the overall sampling rate effort at each airport. The following **Tables 2.6.3 (a) and (b)** define the sampling criteria used by the FDOT SAPMP. A higher sampling rate may be utilized to achieve a greater statistical confidence should the airport have the available resources to perform PCI Survey Inspections independent of the FDOT SAPMP.

Table 2.6.3 (a) Recommended Sample Rate Schedule for Flexible Asphalt Concrete

Number of Total	Sample Units to Inspect					
Sample Units in Section	Runways	Taxiways, Aprons, and Others				
1 - 4	1	1				
5 - 10	2	1				
11 - 15	3	2				
16 - 30	5	3				
31 - 40	7	4				
41 - 50	8	5				
51 or more	20% but ≤20	10% but ≤10				

Table 2.6.3 (b) Recommended Sample Rate Schedule for Rigid Portland Cement Concrete

Number of Total	Sample Units to Inspect					
Sample Units in Section	Runways	Taxiways, Aprons, and Others				
1 - 3	1	1				
4 - 6	2	1				
7 - 10	3	2				
11 - 15	4	2				
16 - 20	5	3				
21 - 30	7	3				
31 - 40	8	4				
41 - 50	10	5				
51 or more	20% but ≤20	10% but ≤10				



2.6.4 Updates to the ASTM D5340-12

Airfield pavement distresses and conditions were surveyed in accordance with the methods outlined in FAA Advisory Circular 150/5380-6C and ASTM D5340-12. These procedures define distress type, severity, and quantity for sampling areas within each defined pavement section area to analyze and determine the PCI value and condition rating. During the 2013-2015 System Update, the incorporation of the significant chances to the ASTM D5340 (version D5340-12) resulted in an adjusted pavement condition indices on pavement sections subject to the distress types updated. Furthermore, the revision of the PCI deduction curves and the separation of distress types from the original, such as Weathering and Raveling, have in select cases increased the PCI value of the section without any rehabilitation performed.

Flexible Asphalt Concrete Pavement Distress Updates

The previous methodology which featured "(52) Weathering and Raveling" distress has been separated into two distresses "(52) Raveling" and "(57) Weathering." Previously, areas that were recorded as "Weathering and Raveling" were considered as one distress with a high deduction. Based on the updated methodology, in certain situations where "Weathering" only exists and does not meet the definition of "Raveling," the PCI deduction is not as high as the former "Weathering and Raveling." Therefore, areas identified only as "(57) Weathering" based on current ASTM standards, which were previously identified as "(52) Weathering and Raveling," may be subject to an improvement in PCI. In instances where pavement PCI has increased due to this update, it is not due to an improvement in actual condition, however indicative of the adjusted distress deterioration effects.

Rigid Portland Cement Concrete Pavement Distress Updates

The previous methodology defined "(70) Scaling" as a distress that consisted of surface deterioration caused by construction defects, material defects, and environmental factors. The distress included Alkali-Silica Reaction, also known as ASR. The current methodology has separated Alkali-Silica Reaction as a distress identified as "(76) Alkali-Silica Reaction / ASR." As a result the previous "(70) Scaling" numerical deduction contribution to the PCI has been reduced. Previous inspections that recorded "(70) Scaling," and currently do not exhibit "(76) Alkali-Silica Reactivity / ASR" may potentially see an increase in PCI. Additionally, "(73) Shrinkage Cracks" has been redefined as "(73) Shrinkage Cracking". Shrinkage Cracking is characterized in two forms; drying shrinkage and plastic shrinkage. Drying shrinkage occurs over time as moisture leaves the pavement, it develops when hardened pavement continues to shrink as excess water not needed for cement hydration evaporates. It forms when subsurface resistance to the shrinkage is present and may extend through the entire depth of the slab. Plastic shrinkage develops when there is rapid loss of water in the surface of recently placed pavement or can form from over finishing/overworking of the pavement during construction. These shrinkage cracks appear as a series of inter-connected hairline cracks, or pattern cracking, and are often observed throughout the majority of the slab surface. This condition is also referred to as map cracking or crazing.



Use and	Updated Distress	Former Distress in Prior to	Deduction	Potential Effect
Surface Type		5340-10	Curve	
AC/AAC/ APC Airfield	(52) Raveling - Low	(52) Weathering and Raveling - Low	No Change	N/A
	(52) Raveling - Medium	(52) Weathering and Raveling - Medium	No Change	N/A
	(52) Raveling - High	(52) Weathering and Raveling - High	No Change	N/A
	(57) Weathering - Low	N/A – was part of 'Weathering and Raveling'	New	Increase in PCI with no maintenance
	(57) Weathering - Medium	N/A – was part of 'Weathering and Raveling'	New	Increase in PCI with no maintenance
	(57) Weathering - High	N/A – was part of 'Weathering and Raveling'	New	Increase in PCI with no maintenance
PCC Airfield	(70) Scaling - Low	(70) Scaling, Map Cracking, and Crazing - Low	New	Increase in PCI with no maintenance
	(70) Scaling - Medium	(70) Scaling, Map Cracking, and Crazing - Medium	New	Increase in PCI with no maintenance
	(70) Scaling - High	(70) Scaling, Map Cracking, and Crazing - High	New	Increase in PCI with no maintenance
	(76) Alkali Silica Reaction – Low	N/A – was part of 'Scaling, Map Cracking, and Crazing'	New	Increase in PCI with no maintenance
	(76) Alkali Silica Reaction – Medium	N/A – was part of 'Scaling, Map Cracking, and Crazing'	New	Increase in PCI with no maintenance
	(76) Alkali Silica Reaction – High	N/A – was part of 'Scaling, Map Cracking, and Crazing'	New	Increase in PCI with no maintenance
	(73) Shrinkage Cracking	(73) Shrinkage Cracking	No Change	Prior distress types identified as 'Scaling, Map Cracking, and Crazing' may now be identified as 'Shrinkage Cracking'

Table 2.6.4 Summary of Updates to ASTM D5340-12

Statewide Airfield Pavement Management Program



Chapter 3



Chapter 3 – Airfield Pavement System Inventory

A significant element of an effective airfield pavement management system is the appropriate record keeping of changes due to construction or operational use of the pavement facilities. This chapter discusses the inventory data collected from the airport and summarizes network-level characteristics of the airport's airfield pavements. At the start of each FDOT SAPMP System Update, all airports are asked to review the existing Airfield Pavement Network Definition exhibit for accuracy. Furthermore, participating airports are asked to provide documentation for any recent or anticipated construction related to their airfield pavements.

3.1 Airfield Pavement Network Information

3.1.1 Previous and/or Anticipated Airfield Pavement Construction

Based on information provided by the airport, the following **Table 3.1.1** summarizes the airfield pavement construction projects that have been incorporated into the SAPMP database system since the 2013-2015 System Update. **Figure 3.1.1-1** and **Figure 3.1.1-2** provides an inset view of the 2017 Airfield Pavement Network Definition Exhibit and the 2017 Airfield Pavement System Inventory Exhibits that depict the updated network details for the airport reflected in the PAVER Database. Large format exhibits are referenced in **Appendix C Technical Exhibits**.

Year	General Work Description
	RW 9-27 - New Construction: 4" P-401, 6" P-211, 12" P-160
	AP RU RW9, AP RU RW27 - New Construction: 4" P-401, 6" P-211, 12" P-160
2014	TW B - Reconstruction: 3" P-401, 6" P-211, Existing Subgrade
	TW B, B1, B2, B3 - New Construction: 4" P-401, 6" P-211, 12" P-160
	TW A, A2 - New Construction: 4" P-401, 6" P-211, 12" P-160

Table 3.1.1 Previous and/or Anticipated Airfield Pavement Construction

The airport provided a limited combination of record drawings, reports, and staff input that was pertinent information in developing the construction history of the airport's pavements from inception. Major rehabilitation/construction activities performed in the last 24-months or anticipated in the next 24-months are assumed to restore the PCI to 100. These activities include: pavement overlay, mill and replace, mill and overlay, new construction, and/or complete reconstruction. These pavements were not formally subject to a PCI Survey and actual conditions may vary. Furthermore, any localized maintenance or repair performed that would improve the PCI will be considered in the condition analysis, if performed within inspection areas.



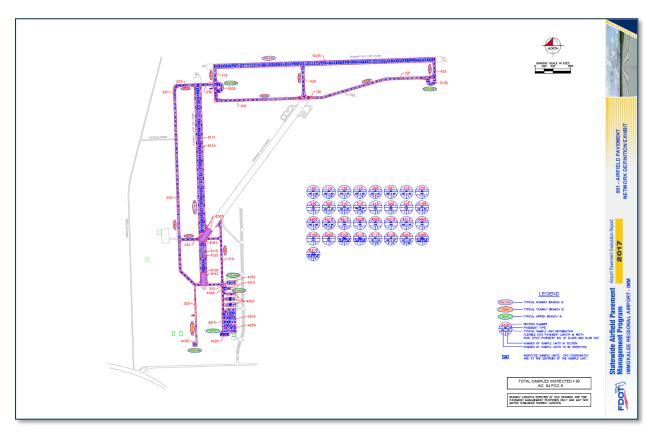


Figure 3.1.1-1 2017 Airfield Pavement Network Definition Exhibit

The Airfield Pavement Network Definition Exhibit provides details to the PCI Survey inspection efforts. The exhibit identifies the pavement facilities, surface type, section definition, and sample unit delineation.



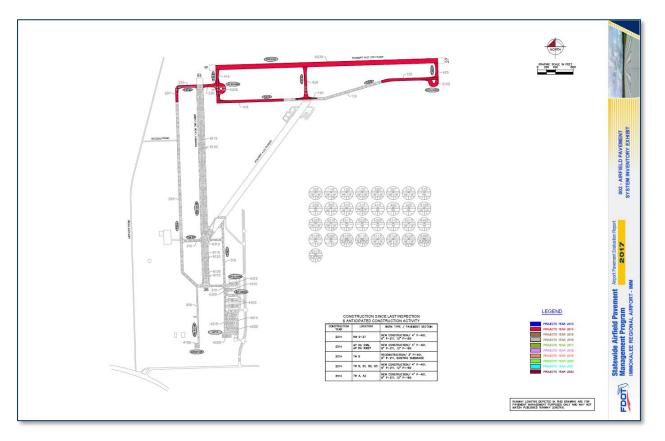
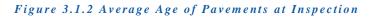


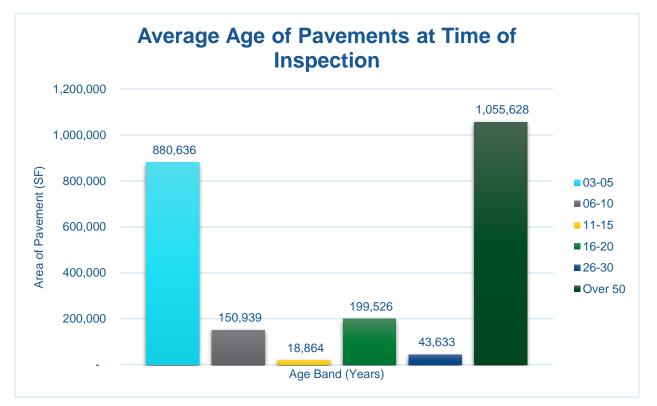
Figure 3.1.1-2 2017 Airfield Pavement System Inventory Exhibit

The Airfield Pavement System Inventory Exhibit provides details to the work history updates communicated by the Airport. The Exhibit provides the approximate limits of recent and/or anticipated construction on the airfield pavement facilities. The limits are based on documentation provided by the Airport and, if constructed, observed in the field.

3.1.2 Estimated Pavement Age

Standard pavement design practice considers a design life of a 20-year period. Design inputs typically require subgrade soil conditions, pavement section layer material characteristics, and anticipated loading (aircraft fleet mix) for the design-life period. Based on the review of the historic airfield pavement construction, **Figure 3.1.2** summarizes the average age of the pavement sections since any major construction activity has occurred during the PCI Survey inspection. This is intended to be a rough estimate based on interpretation of the limited data available at the time of report.





The estimation of the pavement age is based on information requested and provided by participating airports. Additionally, data collected in the prior system updates since 1992 have been relied upon.

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3.1.3 Functional Use Classification

Pavements are subject to varying aircraft loading patterns based on utilization and overall operations. For this SAPMP Update, the following categories of airfield functional use have been identified and associated with the following possible pavement branch facilities: Apron, Runway, Taxiway, and Taxilane. **Figure 3.1.3** summarizes the identified pavements' functional use by area in square feet. The pavement areas reviewed exclude shoulder pavement facilities.

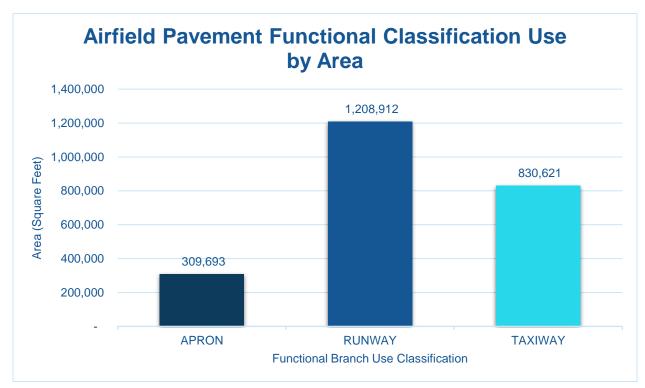


Figure 3.1.3 Airfield Pavement Functional Classification Use by Area

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3.1.4 Pavement Surface Type

The airfield pavement facility surface types within the SAPMP include four common types of pavement: Portland cement concrete (PCC), asphalt concrete (AC), asphalt concrete overlaid on asphalt concrete (AAC), and asphalt concrete overlaid on Portland cement concrete (APC).

Based on the record documentation incorporated within the SAPMP database throughout the years, the pavement surface types have been assigned to the various pavement sections in accordance to its work history composition. The following **Figures 3.1.4 (a) and (b)** summarize the applicable pavement types observed at this specific airport's airfield.

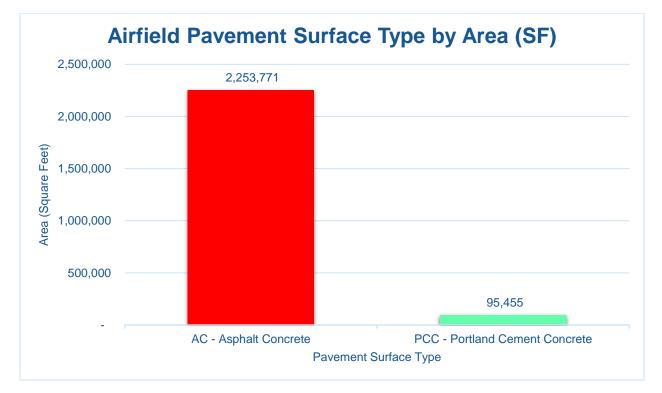
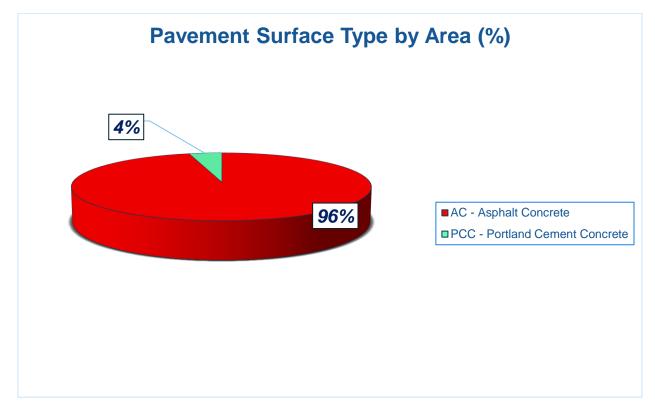


Figure 3.1.4 (a) Pavement Surface Type by Area (SF)





3.1.5 Pavement System Inventory Details

The following **Table 3.1.5** displays the section-level details assembled as part of this update. The section-level details are based on the record documentation provided by the airports to FDOT and from SAPMP System Updates. The details assembled rely on the accuracy and the adequacy of data provided; however, it should be noted that characteristics such as pavement areas may be based on aerial interpretation of spatially projected imagery. The accuracy of data is presented with the intention of a network planning-level document; should the airport elect to perform rehabilitation work, it is recommended that further investigation be performed at the project level for construction purposes.

In summary, the scope of the pavement inventory update resulted in the updating of select existing pavement geometry and the development of an AutoCAD model with spatial projection for use within GIS. **Appendix A** includes the Airfield Pavement Network Definition Exhibit and the Airfield Pavement System Inventory Exhibit which visually summarize the results of the Airfield Pavement System Inventory analysis and reporting.

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Table 3.1.5 Pavement System In	nventory Details
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Network ID	Branch Name	Branch ID	Branch Use	Section ID	Length (FT)	Width (FT)	Area (SF)	Surface Type	Est. Last Construction Date
ІММ	APRON TO HANGARS	AP HANG	APRON	4405	900	50	46,919	AC	1/1/1998
IMM	APRON RUN-UP RW 27	AP RU RW27	APRON	5105	400	60	25,727	AC	11/1/2014
IMM	APRON RUN-UP RW 36	AP RU RW36	APRON	4305	180	50	9,779	AC	1/1/1998
IMM	APRON RUN-UP RW 36	AP RU RW36	APRON	4310	80	66	6,046	AC	1/1/2001
IMM	APRON RUN-UP RW 36	AP RU RW36	APRON	4315	185	86	18,864	AC	1/1/2002
IMM	APRON RUN-UP RW 9	AP RU RW9	APRON	5205	500	60	31,086	AC	11/1/2014
IMM	SOUTH APRON AND FUELING RAMPS	AP S	APRON	4205	140	200	29,873	AC	1/1/1997
IMM	SOUTH APRON AND FUELING RAMPS	AP S	APRON	4210	216	355	54,026	AC	1/1/1998
IMM	SOUTH APRON AND FUELING RAMPS	AP S	APRON	4215	340	160	48,256	AC	7/31/2007
IMM	SOUTH APRON AND FUELING RAMPS	AP S	APRON	4220	180	200	29,117	AC	7/31/2007
IMM	CROP APRON	CROP AP	APRON	4105	100	100	10,000	AC	1/1/1987
IMM	RUNWAY 18-36	RW 18-36	RUNWAY	6105	300	100	30,000	PCC	1/1/1942
IMM	RUNWAY 18-36	RW 18-36	RUNWAY	6110	600	25	15,000	PCC	1/1/1942
IMM	RUNWAY 18-36	RW 18-36	RUNWAY	6115	4225	100	406,752	AC	1/1/1942
IMM	RUNWAY 18-36	RW 18-36	RUNWAY	6120	8450	25	206,705	AC	1/1/1942
IMM	RUNWAY 4-22	RW 4-22	RUNWAY	6305	600	25	16,098	PCC	1/1/1942
IMM	RUNWAY 4-22	RW 4-22	RUNWAY	6310	350	100	34,357	PCC	1/1/1942
IMM	RUNWAY 9-27	RW 9-27	RUNWAY	6235	5000	100	500,000	AC	11/1/2014
IMM	ΤΑΧΙΨΑΥ Α	TW A	TAXIWAY	205	4450	50	222,150	AC	1/1/1942
IMM	TAXIWAY A	TW A	TAXIWAY	207	450	35	16,854	AC	11/1/2014
IMM	TAXIWAY A1	TW A1	TAXIWAY	210	469	50	23,396	AC	1/1/1942
IMM	TAXIWAY A2	TW A2	TAXIWAY	225	750	35	25,177	AC	11/1/2014
IMM	TAXIWAY A2	TW A2	TAXIWAY	230	650	35	22,664	AC	11/1/2014
IMM	TAXIWAY B	TW B	TAXIWAY	105	1525	50	75,000	AC	11/1/2014
IMM	TAXIWAY B	TW B	TAXIWAY	110	2653	50	101,170	AC	1/1/1942

Statewide Airfield Pavement Management ProgramAirport Pavement Evaluation Report2017				Immok	alee Regiona	al Airport (IM	1M)	1	F
Network ID	Branch Name	Branch ID	Branch Use	Section ID	Length (FT)	Width (FT)	Area (SF)	Surface Type	Est. Last Construction Date
IMM	TAXIWAY B	TW B	TAXIWAY	120	375	35	12,050	AC	11/1/2014
IMM	TAXIWAY B	TW B	TAXIWAY	125	1900	35	65,249	AC	11/1/2014
IMM	TAXIWAY B	TW B1	TAXIWAY	415	1100	35	39,812	AC	11/1/2014
IMM	TAXIWAY B2	TW B2	TAXIWAY	420	1300	35	45,468	AC	11/1/2014
IMM	TAXIWAY B3	TW B3	TAXIWAY	425	600	35	21,549	AC	11/1/2014
ІММ	TAXIWAY C	TW C	TAXIWAY	310	1600	35	52,883	AC	1/1/1998
IMM	TAXIWAY C	TW C	TAXIWAY	315	2100	35	73,566	AC	1/1/2007
IMM	TAXIWAY TO CROP AP	TW TO AP	TAXIWAY	305	1260	25	33,633	AC	1/1/1987



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Statewide Airfield Pavement Management Program



Chapter 4

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Chapter 4 – Airfield Pavement Condition

The examination of specific distress types (with causes attributed to load, climate, or other defined distress mechanism), determination of the severity of distress, and determination of the quantity of distress manifestation are required in the computation of a PCI value. The PCI provides valuable information that can be used to determine the existing condition of the pavement, possible cause of the pavement deterioration, and eventually aid in the planning of the rehabilitation of pavements. It should be noted that the PCI method of pavement condition evaluation is strictly a visual and functional evaluation. Further evaluation of the pavement rehabilitation.

4.1 Airfield Pavement Condition Index (Latest Inspection)

4.1.1 Network-Level Analysis

The following **Figure 4.1.1** summarizes the network-level pavement condition analysis based on the most recent PCI Survey inspection results.

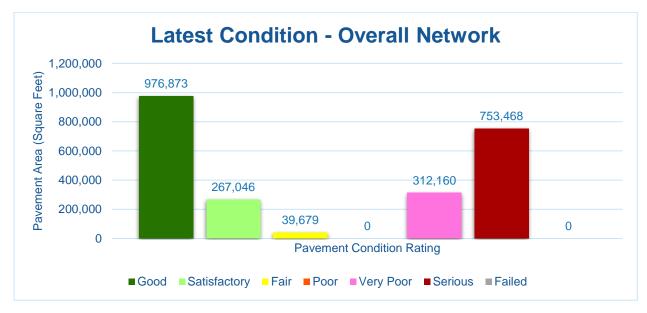


Figure 4.1.1 Latest Condition – Overall Network

4.1.2 Branch-Level Analysis

The following **Figures 4.1.2 (a) through (c)** summarize the branch-level pavement condition analysis based on the most recent PCI Survey inspection results; the following Figures provide overall branch-level conditions by branch use.







Figure 4.1.2 (b) Latest Condition – Taxiway Pavements









4.1.3 Section-Level Analysis

The following **Table 4.1.3** provides details for each pavement section of its area-weighted average PCI and the percent of distress which is related to load, climate, or other factors. The amount of distress attributed to the various causes provides insight into maintenance, repair, and rehabilitation needs. Load-related distress indicates that pavements are reaching the end of their structural design life, and for those pavements exhibiting a significant amount of these distress types, rehabilitation should be planned to strengthen or reconstruct the pavement. **Appendix C Technical Exhibits** provides a technical exhibit that graphically depicts the PCI values and ratings determined from this SAPMP System Update.

Any pavement facilities subject to pavement construction within the past 2 years or anticipated for construction within the next year may have been omitted from inspection. Pavement subject to major rehabilitation will be set to a PCI of 100.

Network ID	Branch ID	Branch Name	Branch Use	Section ID	Area (SF)	Surface	PCI	PCI Rating	PCI Pct Climate	PCI Pct Load	PCI Pct Other	Sample Units Inspected	Total Sample Units in Section
IMM	AP HANG	APRON TO HANGARS	APRON	4405	46,919	AC	83	Satisfactory	100%	0%	0%	1	8
IMM	AP RU RW27	APRON RUN-UP RW 27	APRON	5105	25,727	AC	94	Good	100%	0%	0%	1	5
IMM	AP RU RW36	APRON RUN-UP RW 36	APRON	4305	9,779	AC	77	Satisfactory	100%	0%	0%	1	2
IMM	AP RU RW36	APRON RUN-UP RW 36	APRON	4310	6,046	AC	70	Fair	87%	0%	13%	1	1
IMM	AP RU RW36	APRON RUN-UP RW 36	APRON	4315	18,864	AC	88	Good	100%	0%	0%	1	4
IMM	AP RU RW9	APRON RUN-UP RW 9	APRON	5205	31,086	AC	94	Good	100%	0%	0%	1	6
IMM	AP S	SOUTH APRON AND FUELING RAMPS	APRON	4205	29,873	AC	78	Satisfactory	82%	0%	18%	1	6
IMM	AP S	SOUTH APRON AND FUELING RAMPS	APRON	4210	54,026	AC	76	Satisfactory	100%	0%	0%	2	10
IMM	AP S	SOUTH APRON AND FUELING RAMPS	APRON	4215	48,256	AC	87	Good	100%	0%	0%	2	11
IMM	AP S	SOUTH APRON AND FUELING RAMPS	APRON	4220	29,117	AC	92	Good	100%	0%	0%	1	7
IMM	CROP AP	CROP APRON	APRON	4105	10,000	AC	33	Very Poor	85%	0%	15%	1	2
IMM	RW 18-36	RUNWAY 18-36	RUNWAY	6105	30,000	PCC	28	Very Poor	7%	45%	48%	2	4
IMM	RW 18-36	RUNWAY 18-36	RUNWAY	6110	15,000	PCC	29	Very Poor	7%	69%	24%	1	2
IMM	RW 18-36	RUNWAY 18-36	RUNWAY	6115	406,752	AC	24	Serious	100%	0%	0%	16	82
IMM	RW 18-36	RUNWAY 18-36	RUNWAY	6120	206,705	AC	28	Very Poor	100%	0%	0%	8	42
IMM	RW 4-22	RUNWAY 4-22	RUNWAY	6305	16,098	PCC	34	Very Poor	11%	52%	37%	1	2
IMM	RW 4-22	RUNWAY 4-22	RUNWAY	6310	34,357	PCC	33	Very Poor	12%	49%	39%	2	5
IMM	RW 9-27	RUNWAY 9-27	RUNWAY	6235	500,000	AC	94	Good	100%	0%	0%	20	100
IMM	TW A	ΤΑΧΙΨΑΥ Α	TAXIWAY	205	222,150	AC	25	Serious	100%	0%	0%	5	44
IMM	TW A	ΤΑΧΙΨΑΥ Α	TAXIWAY	207	16,854	AC	94	Good	100%	0%	0%	1	4
IMM	TW A1	TAXIWAY A1	TAXIWAY	210	23,396	AC	20	Serious	100%	0%	0%	1	4
IMM	TW A2	TAXIWAY A2	TAXIWAY	225	25,177	AC	94	Good	100%	0%	0%	1	5
IMM	TW A2	TAXIWAY A2	TAXIWAY	230	22,664	AC	94	Good	100%	0%	0%	1	4
IMM	TW B	TAXIWAY B	TAXIWAY	105	75,000	AC	94	Good	100%	0%	0%	2	15
IMM	TW B	TAXIWAY B	TAXIWAY	110	101,170	AC	25	Serious	100%	0%	0%	3	20
IMM	TW B	TAXIWAY B	TAXIWAY	120	12,050	AC	92	Good	100%	0%	0%	1	2
IMM	TW B	TAXIWAY B	TAXIWAY	125	65,249	AC	93	Good	100%	0%	0%	2	13
IMM	TW B1	TAXIWAY B	TAXIWAY	415	39,812	AC	91	Good	100%	0%	0%	1	8
ІММ	TW B2	TAXIWAY B2	TAXIWAY	420	45,468	AC	94	Good	100%	0%	0%	1	9
IMM	TW B3	TAXIWAY B3	TAXIWAY	425	21,549	AC	91	Good	100%	0%	0%	1	4
IMM	TW C	TAXIWAY C	TAXIWAY	310	52,883	AC	81	Satisfactory	100%	0%	0%	2	14
IMM	TW C	TAXIWAY C	TAXIWAY	315	73,566	AC	83	Satisfactory	100%	0%	0%	3	19
IMM	TW TO AP	TAXIWAY TO CROP AP	TAXIWAY	305	33,633	AC	61	Fair	98%	0%	2%	2	6

Table 4.1.3 Latest Pavement Condition Index Summary



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Figure 4.1.3 is an inset view of the 2017 Airfield Pavement Condition Index Exhibit that visually represents the results of the latest PCI Survey inspection. A large format exhibit is located in **Appendix C Technical Exhibits.**

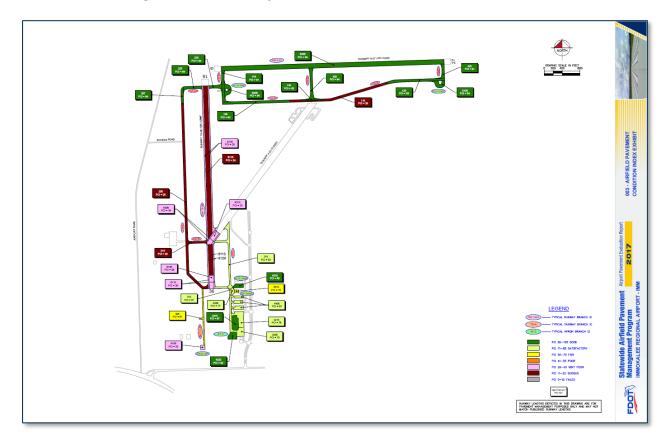


Figure 4.1.3 2017 Airfield Pavement Condition Index Exhibit



4.2 Summary of Pavement Condition Evaluation Results

4.2.1 Network-Level Observations

The field PCI Survey performed at Immokalee Regional Airport (IMM) was started and completed on 03/14/2017. The resulting overall average area-weighted PCI value was 60 representing a condition rating of Fair. Two runways service Immokalee Regional Airport: Runway 09-27 is 100-ft wide and 5,000-ft long, Runway 18-36 is 150-ft wide and 5,000-ft long. Runway 04-22 was closed and is mostly used as a drag strip. The portion that intersects Runway 18-36 is still a part of the airport's pavement network.

Based on the FAA 5010 Report as of 07/24/2017 the Airport has reported 36,500 operations for 12 months ending 10/06/2015.

4.2.2 Branch-Level Observations

The following branch-level observations are intended to be an overall summary of select pavement facilities identified during the PCI Survey; further detail at the section and sample-level may be referenced for all pavements assessed as part of this System Update. The branch-level observations discussed are limited to select branches based on use and condition.

Runway 09-27

Runway 09-27 consists of 1 section constructed of AC. The last construction year for Runway 09-27 was 2014. The average area-weighted PCI for Runway 09-27 is 94 representing a Good condition rating. The pavement distresses observed were related to Climate distress classifications. Distresses observed in Runway 09-27 consist of Weathering.

Runway 18-36

Runway 18-36 consists of 4 sections constructed of AC and PCC. The last construction year for Runway 18-36 was 1942. The average area-weighted PCI for Runway 18-36 is 25 representing a Serious condition rating. The pavement distresses observed were related to Climate, Load, and Other distress classifications. Distresses observed in Runway 18-36 consist of Block Cracking, Longitudinal & Transverse Cracking, Raveling, Corner Break, Linear Cracking, Joint Seal Damage, Shrinkage Cracking, Joint Spall, and Corner Spall.

Taxiway A

Taxiway A consists of 2 sections constructed of AC. The last construction years range from 1942 to 2014. The average area-weighted PCI for Taxiway A is 29 representing a Very Poor condition rating. The pavement distresses observed were related to Climate distress classifications. Distresses observed in Taxiway A consist of Block Cracking, Longitudinal & Transverse Cracking, Patching, Raveling, and Weathering.

Facility Use	Average Area-Weighted PCI	Condition Rating
Runway	54	Poor
Taxiway	61	Fair
Apron	83	Satisfactory

Figure 4.2.2 Pavement Condition Summary by Facility Use

4.3 Forecasted Pavement Conditions

4.3.1 Performance Models and Prediction Curves

Pavement Performance Models are developed from the distress data and historic construction records collected for the SAPMP. This data is consolidated in a database and organized by inspection/construction date, pavement type, age, and pavement use. The pavement Performance Models are used to develop broad Prediction Curves, alternatively known as deterioration curves or family curves. These Prediction Curves are utilized to developed forecasted PCI values based on historic trends and statistical models.

4.3.2 Branch-Level Pavement Condition Forecast

The following **Figures 4.3.2 (a) through (c)** depict the branch-level pavement condition forecast by Branch Use (Runway, Taxiway, and/or Apron). The forecasted conditions are for a 10-year duration starting in January 2018 through January 2027.

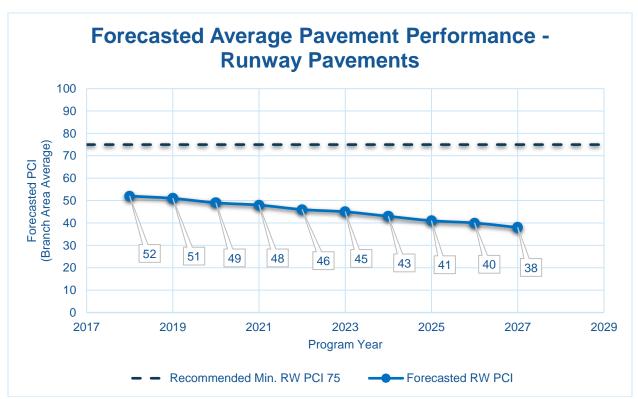


Figure 4.3.2 (a) Forecasted Runway Pavement Performance



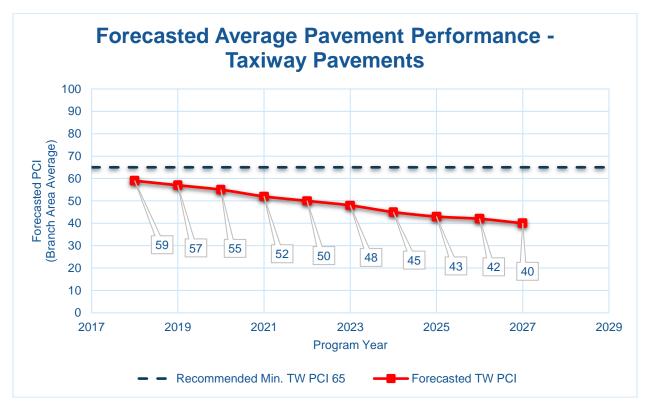
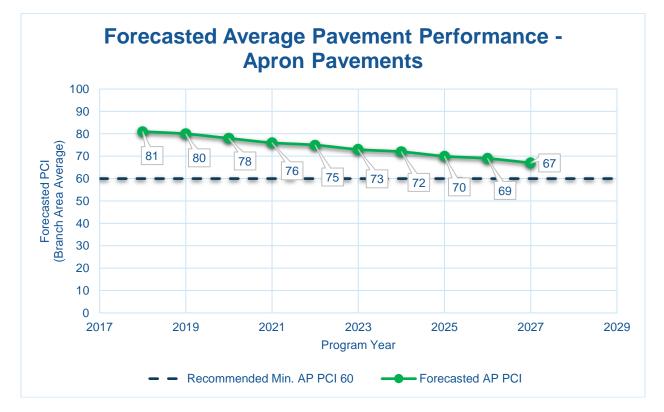


Figure 4.3.2 (c) Forecasted Apron Pavement Performance





4.3.3 Section-Level Pavement Condition Forecast

The following **Table 4.3.3** provides detail to the forecasted PCI values for each section inspected. Please note the forecasted Branch- and Section-Level PCI's are for planning purposes and are subject to the sensitivities in changes in traffic and maintenance frequency. Airport staff should perform annual visual condition assessments to maintain recent understanding of pavement conditions.

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Natural	Dronok ID	Continu ID		Forecasted PCI									
Network ID	ID Branch ID	ID Section ID	Last PCI	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
IMM	AP HANG	4405	83	81	80	78	76	75	73	72	70	69	67
IMM	AP RU RW27	5105	94	92	91	89	87	86	84	83	81	80	78
IMM	AP RU RW36	4305	77	75	74	72	70	69	67	66	64	63	61
IMM	AP RU RW36	4310	70	68	67	65	63	62	60	59	57	56	54
IMM	AP RU RW36	4315	88	86	85	83	81	80	78	77	75	74	72
IMM	AP RU RW9	5205	94	92	91	89	87	86	84	83	81	80	78
IMM	AP S	4205	78	76	75	73	71	70	68	67	65	64	62
IMM	AP S	4210	76	74	73	71	69	68	66	65	63	62	60
IMM	AP S	4215	87	85	84	82	80	79	77	76	74	73	71
IMM	AP S	4220	92	90	89	87	85	84	82	81	79	78	76
IMM	CROP AP	4105	33	31	30	28	26	25	23	22	20	19	17
IMM	RW 18-36	6105	28	27	26	25	24	23	23	22	21	20	19
IMM	RW 18-36	6110	29	28	27	26	25	24	24	23	22	21	20
IMM	RW 18-36	6115	24	22	21	19	17	16	14	12	11	9	8
IMM	RW 18-36	6120	28	26	25	23	21	20	18	16	15	13	12
IMM	RW 4-22	6305	34	33	32	31	30	29	29	28	27	26	25
IMM	RW 4-22	6310	33	32	31	30	29	28	28	27	26	25	24
IMM	RW 9-27	6235	94	92	91	89	87	86	84	82	81	79	78
IMM	TW A	205	25	23	21	18	15	12	10	7	4	2	0
IMM	TW A	207	94	91	89	86	84	82	80	77	76	74	72
IMM	TW A1	210	20	17	14	11	9	6	3	1	0	0	0
IMM	TW A2	225	94	91	89	86	84	82	80	77	76	74	72
IMM	TW A2	230	94	91	89	86	84	82	80	77	76	74	72
IMM	TW B	105	94	91	89	86	84	82	80	77	76	74	72
IMM	TW B	110	25	23	21	18	15	12	10	7	4	2	0

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Immokalee Regional Airport (IMM)

Network ID	Branch ID	Section ID			Forecasted PCI								
Network ID	Branch	Section ID	Last PCI	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
IMM	TW B	120	92	89	87	84	82	80	78	76	74	73	71
IMM	TW B	125	93	90	88	85	83	81	79	77	75	73	72
IMM	TW B1	415	91	88	86	84	81	79	77	75	74	72	71
IMM	TW B2	420	94	91	89	86	84	82	80	77	76	74	72
IMM	TW B3	425	91	88	86	84	81	79	77	75	74	72	71
IMM	TW C	310	81	79	77	75	73	72	71	69	68	67	66
IMM	TW C	315	83	81	79	77	75	73	72	70	69	68	67
IMM	TW TO AP	305	61	60	59	57	56	55	54	52	51	49	47

FDOT



4.3.4 Forecasted PCI Considerations

As FDOT continues to update the SAPMP with future PCI Survey inspections and assembly of airfield pavement construction work history, the performance models will be further refined. With the refinement of additional PCI and work history data points, the forecasting of pavement conditions will continue to better reflect the performance trends of airfield pavements in the Florida Airports System. Forecasted or predicted pavement conditions for the airport are intended for planning purposes only. Design-level recommendations for pavement rehabilitation and/or reconstruction will require the appropriate application of the procedures defined in FAA *AC 150/5320-6F Airport Pavement Design and Evaluation* and *AC 150/5370-11B Use of Nondestructive Testing in the Evaluation of Airport Pavements* to determine structural and/or functional conditions at the time of project.

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Chapter 5



General Maintenance and Rehabilitation (M&R) methods are characterized under three broad categories: localized maintenance and repair, global treatments, and major rehabilitation.

- > Localized Maintenance and Repair includes patching and crack sealing.
- Global Treatments includes surface seals and rejuvenators (flexible pavements).
- Major Rehabilitation includes overlays, significant slab replacement, and reconstruction.

This chapter discusses the FDOT SAPMP Localized Maintenance and Repair Planning approach. Proactive localized maintenance and repair, specifically preservation, is highly recommended to the airports. However, it is certainly recognized that once pavements have deteriorated below a certain condition, the facility would benefit from a more substantial rehabilitation in lieu of localized efforts. Chapter 6 Major Rehabilitation Planning discusses the addressing of pavements through timely rehabilitation once it has deteriorated below a critical PCI where localized repairs may not be as cost effective.

5.1 Localized Maintenance and Repair

Localized maintenance and repair is best applied as a conservation measure and is oftentimes applied to slow the rate of deterioration of distress pavements; however, may be applied as a temporary corrective measure in isolated areas. Localized maintenance and repair can be applied either as a safety ("stopgap") measure or preventive measure. Example distress types subject to localized preventive maintenance and repair may consist of low-severity longitudinal and transverse cracking and low-severity weathering. In many cases however, localized stopgap repair is applied as a safety measure to address high-severity distress manifestations when major rehabilitation is not funded for a given section with a PCI value below critical PCI. Some agencies may elect to define both types; preventative and stopgap, as localized maintenance.

Localized Stopgap/Safety Maintenance and Repair

Localized Stopgap or Safety Maintenance and Repair is defined as the localized distress repair needed to keep pavements operational in a safe condition. These activities are typically applied to high-severity distresses or distresses affecting operational activities. Typical pavement section PCIs will range from 0 to 65.

Localized Preventive Maintenance and Repair

Localized Preventive Maintenance and Repair is defined as distress maintenance activities performed with the primary objective of slowing the rate of deterioration. These activities typically include crack sealing and patching. Typical pavement section PCIs will be above 65.



5.2 Localized Maintenance and Repair Policy

The resulting Localized Maintenance and Repair recommendations are identified based on the policy defined in **Table 5.2.1** and **Table 5.2.2**, for flexible asphalt concrete and rigid Portland cement concrete pavements, respectively. The activities identified were based on the research of practical pavement treatments in consideration of the FAA *AC 150/5380-6C "Guidelines and Procedures for Maintenance of Airport Pavements"* and the *FDOT Airfield Pavement Distress Repair Manual.* Additionally, the *Engineering Technical Letter (ETL) 14-3: Preventive Maintenance Plan (PMP) for Airfield Pavements* was referenced for conservative application of pavement treatments. The Localized Maintenance and Repair Policy and associated planning-level unit costs were developed in consideration of a network-level analysis – it is strictly intended to provide a glimpse of the condition of the airport pavements with a limited PCI survey effort.

The developed Localized Maintenance and Repair Policy and associated planning-level unit costs were based on a statewide consideration of pavement treatments and review of state construction costs for both Airfield Pavements and from the FDOT Historical Cost Information archives. Furthermore, a consideration of limited repair quantities was factored in the determination of conservative planning-level unit costs. The identified Localized maintenance activities for both preventive and stopgap activities are based on a statewide network approach; project-specific evaluation and maintenance quantities should be developed prior to any construction.

Distress	Severity	Description	Code	Work Type	Work Unit
41	Low	ALLIGATOR CR	FDOT-PA-AF	FDOT - PATCHING - AC FULL DEPTH	SqFt
41	Medium	ALLIGATOR CR	FDOT-PA-AF	FDOT - PATCHING - AC FULL DEPTH	SqFt
41	High	ALLIGATOR CR	FDOT-PA-AF	FDOT - PATCHING - AC FULL DEPTH	SqFt
42	N/A	BLEEDING	FDOT-MO-PV	FDOT - MONITOR	N/A
43	Low	BLOCK CR	FDOT-MO-PV	FDOT - MONITOR	N/A
43	Medium	BLOCK CR	FDOT-CS-AC	FDOT - CRACK SEALING - AC	Ft
43	High	BLOCK CR	FDOT-PA-AP	FDOT - PATCHING - AC PARTIAL DEPTH	SqFt
44	Low	CORRUGATION	FDOT-ML-AC	FDOT - MILLING - AC	SqFt
44	Medium	CORRUGATION	FDOT-ML-AC	FDOT - MILLING - AC	SqFt
44	High	CORRUGATION	FDOT-PA-AF	FDOT - PATCHING - AC FULL DEPTH	SqFt
45	Low	DEPRESSION	FDOT-PA-AF	FDOT - PATCHING - AC FULL DEPTH	SqFt
45	Medium	DEPRESSION	FDOT-PA-AF	FDOT - PATCHING - AC FULL DEPTH	SqFt
45	High	DEPRESSION	FDOT-PA-AF	FDOT - PATCHING - AC FULL DEPTH	SqFt
46	High	JET BLAST	FDOT-PA-AP	FDOT - PATCHING - AC PARTIAL DEPTH	SqFt
46	N/A	JET BLAST	FDOT-PA-AP	FDOT - PATCHING - AC PARTIAL DEPTH	SqFt
47	Low	JT REF. CR	FDOT-MO-PV	FDOT - MONITOR	N/A
47	Medium	JT REF. CR	FDOT-CS-AC	FDOT - CRACK SEALING - AC	Ft
47	High	JT REF. CR	FDOT-CS-AC	FDOT - CRACK SEALING - AC	Ft

Table 5.2-1 Localized Maintenance and Repair – Flexible Asphalt Concrete

FDOT

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Distress	Severity	Description	Code	Work Type	Work Unit
48	Low	L&TCR	FDOT-MO-PV	FDOT - MONITOR	N/A
48	Medium	L&TCR	FDOT-CS-AC	FDOT - CRACK SEALING - AC	Ft
48	High	L&TCR	FDOT-CS-AC	FDOT - CRACK SEALING - AC	Ft
49	N/A	OIL SPILLAGE	FDOT-PA-AP	FDOT - PATCHING - AC PARTIAL DEPTH	SqFt
50	Low	PATCHING	FDOT-MO-PV	FDOT - MONITOR	N/A
50	Medium	PATCHING	FDOT-PA-AF	FDOT - PATCHING - AC FULL DEPTH	SqFt
50	High	PATCHING	FDOT-PA-AF	FDOT - PATCHING - AC FULL DEPTH	SqFt
51	N/A	POLISHED AG	FDOT-SS-LO	FDOT - SURFACE SEAL	SqFt
52	Low	RAVELING	FDOT-SS-LO	FDOT - SURFACE SEAL	SqFt
52	Medium	RAVELING	FDOT-PA-AP	FDOT - PATCHING - AC PARTIAL DEPTH	SqFt
52	High	RAVELING	FDOT-PA-AP	FDOT - PATCHING - AC PARTIAL DEPTH	SqFt
53	Low	RUTTING	FDOT-MO-PV	FDOT - MONITOR	N/A
53	Medium	RUTTING	FDOT-PA-AF	FDOT - PATCHING - AC FULL DEPTH	SqFt
53	High	RUTTING	FDOT-PA-AF	FDOT - PATCHING - AC FULL DEPTH	SqFt
54	Low	SHOVING	FDOT-MO-PV	FDOT - MONITOR	N/A
54	Medium	SHOVING	FDOT-ML-AC	FDOT - MILLING - AC	SqFt
54	High	SHOVING	FDOT-PA-AF	FDOT - PATCHING - AC FULL DEPTH	SqFt
55	N/A	SLIPPAGE CR	FDOT-PA-AP	FDOT - PATCHING - AC PARTIAL DEPTH	SqFt
56	Low	SWELLING	FDOT-MO-PV	FDOT - MONITOR	N/A
56	Medium	SWELLING	FDOT-PA-AF	FDOT - PATCHING - AC FULL DEPTH	SqFt
56	High	SWELLING	FDOT-PA-AF	FDOT - PATCHING - AC FULL DEPTH	SqFt
57	Low	WEATHERING	FDOT-MO-PV	FDOT - MONITOR	N/A
57	Medium	WEATHERING	FDOT-SS-LO	FDOT - SURFACE SEAL	SqFt
57	High	WEATHERING	FDOT-PA-AP	FDOT - PATCHING - AC PARTIAL DEPTH	SqFt

Table 5.2-2 Localized Maintenance and Repair – Rigid Portland Cement Concrete

Distress	Severity	Description	Code	Work Type	Work Unit
61	Low	BLOW-UP	FDOT-PA-PP	FDOT - PATCHING - PCC PARTIAL DEPTH	SqFt
61	Medium	BLOW-UP	FDOT-PA-PF	FDOT - PATCHING - PCC FULL DEPTH	SqFt
61	High	BLOW-UP	FDOT-SL-PC	FDOT - SLAB REPLACEMENT - PCC	SqFt
62	Low	CORNER BREAK	FDOT-CS-PC	FDOT - CRACK SEALING - PCC	Ft
62	Medium	CORNER BREAK	FDOT-PA-PF	FDOT - PATCHING - PCC FULL DEPTH	SqFt
62	High	CORNER BREAK	FDOT-PA-PF	FDOT - PATCHING - PCC FULL DEPTH	SqFt
63	Low	LINEAR CR	FDOT-MO-PV	FDOT - MONITOR	N/A
63	Medium	LINEAR CR	FDOT-CS-PC	FDOT - CRACK SEALING - PCC	Ft
63	High	LINEAR CR	FDOT-PA-PP	FDOT - PATCHING - PCC PARTIAL DEPTH	SqFt

FDOT

Distress	Severity	Description	Code	Work Type	Work Unit
64	Low	DURABIL. CR	FDOT-MO-PV	FDOT - MONITOR	N/A
64	Medium	DURABIL. CR	FDOT-PA-PF	FDOT - PATCHING - PCC FULL DEPTH	SqFt
64	High	DURABIL. CR	FDOT-SL-PC	FDOT - SLAB REPLACEMENT - PCC	SqFt
65	Low	JT SEAL DMG	FDOT-JS-PC	FDOT - JOINT SEAL - PCC	Ft
65	Medium	JT SEAL DMG	FDOT-JS-PC	FDOT - JOINT SEAL - PCC	Ft
65	High	JT SEAL DMG	FDOT-JS-PC	FDOT - JOINT SEAL - PCC	Ft
66	Low	SMALL PATCH	FDOT-MO-PV	FDOT - MONITOR	N/A
66	Medium	SMALL PATCH	FDOT-PA-PP	FDOT - PATCHING - PCC PARTIAL DEPTH	SqFt
66	High	SMALL PATCH	FDOT-PA-PP	FDOT - PATCHING - PCC PARTIAL DEPTH	SqFt
67	Low	LARGE PATCH	FDOT-MO-PV	FDOT - MONITOR	N/A
67	Medium	LARGE PATCH	FDOT-PA-PF	FDOT - PATCHING - PCC FULL DEPTH	SqFt
67	High	LARGE PATCH	FDOT-PA-PF	FDOT - PATCHING - PCC FULL DEPTH	SqFt
68	N/A	POPOUTS	FDOT-PO-FL	FDOT - POPOUT FILLER	SqFt
69	N/A	PUMPING	FDOT-SB-PC	FDOT – SLAB STABILIZATION - PCC	SqFt
70	Low	SCALING	FDOT-MO-PV	FDOT - MONITOR	N/A
70	Medium	SCALING	FDOT-PA-PP	FDOT - PATCHING - PCC PARTIAL DEPTH	SqFt
70	High	SCALING	FDOT-SL-PC	FDOT - SLAB REPLACEMENT - PCC	SqFt
71	Low	FAULTING	FDOT-MO-PV	FDOT - MONITOR	N/A
71	Medium	FAULTING	FDOT-GR-PP	FDOT - GRINDING (LOCALIZED)	Ft
71	High	FAULTING	FDOT-GR-PP	FDOT - GRINDING (LOCALIZED)	Ft
72	Low	SHAT. SLAB	FDOT-CS-PC	FDOT - CRACK SEALING - PCC	Ft
72	Medium	SHAT. SLAB	FDOT-SL-PC	FDOT - SLAB REPLACEMENT - PCC	SqFt
72	High	SHAT. SLAB	FDOT-SL-PC	FDOT - SLAB REPLACEMENT - PCC	SqFt
73	N/A	SHRINKAGE CR	FDOT-MO-PV	FDOT - MONITOR	N/A
74	Low	JOINT SPALL	FDOT-CS-PC	FDOT - CRACK SEALING - PCC	Ft
74	Medium	JOINT SPALL	FDOT-PA-PP	FDOT - PATCHING - PCC PARTIAL DEPTH	SqFt
74	High	JOINT SPALL	FDOT-PA-PP	FDOT - PATCHING - PCC PARTIAL DEPTH	SqFt
75	Low	CORNER SPALL	FDOT-CS-PC	FDOT - CRACK SEALING - PCC	Ft
75	Medium	CORNER SPALL	FDOT-PA-PP	FDOT - PATCHING - PCC PARTIAL DEPTH	SqFt
75	High	CORNER SPALL	FDOT-PA-PP	FDOT - PATCHING - PCC PARTIAL DEPTH	SqFt
76	Low	ASR	FDOT-MO-PV	FDOT - MONITOR	N/A
76	Medium	ASR	FDOT-PA-PF	FDOT - PATCHING - PCC FULL DEPTH	SqFt
76	High	ASR	FDOT-SL-PC	FDOT - SLAB REPLACEMENT - PCC	SqFt



Code	Name	Cost	Units
FDOT-SS-LO	FDOT - SURFACE SEAL	\$0.55	SqFt
FDOT-ML-AC	FDOT - MILLING - AC	\$2.00	SqFt
FDOT-GR-PP	FDOT - GRINDING (LOCALIZED)	\$2.00	Ft
FDOT-CS-AC	FDOT - CRACK SEALING - AC	\$3.00	Ft
FDOT-MO-PV	FDOT - MONITOR	\$0.00	SqFt
FDOT-PA-AF	FDOT - PATCHING - AC FULL DEPTH	\$6.00	SqFt
FDOT-PA-AP	FDOT - PATCHING - AC PARTIAL DEPTH	\$3.00	SqFt

Table 5.2-3 (b) Localized M&R Planning-Level Unit Costs – Rigid Portland Cement Concrete

Code	Name	Cost	Units
FDOT-PA-PF	FDOT - PATCHING - PCC FULL DEPTH	\$100.00	SqFt
FDOT-SL-PC	FDOT - SLAB REPLACEMENT - PCC	\$30.00	SqFt
FDOT-SB-PC	FDOT - SLAB STABILIZATION - PCC	\$30.00	SqFt
FDOT-PA-PP	FDOT - PATCHING - PCC PARTIAL DEPTH	\$72.00	SqFt
FDOT-PO-FL	FDOT - POPOUT FILLER	\$0.05	SqFt
FDOT-GR-PP	FDOT - GRINDING (LOCALIZED)	\$2.00	Ft
FDOT-CS-PC	FDOT - CRACK SEALING - PCC	\$4.25	Ft
FDOT-MO-PV	FDOT - MONITOR	\$0.00	N/A
FDOT-JS-PC	FDOT - JOINT SEAL - PCC	\$2.75	Ft

*PCC Patching (Full Depth and Partial Depth) consider high-early-strength and high-performing repair material.



5.3 Localized Maintenance and Repair Analysis and Recommendations

The SAPMP provides a planning-level estimation of Localized Maintenance and Repair based on the results of the latest PCI Survey Inspection performed at the airport. Based on the limited sample units inspected, a statistical extrapolation of distresses at the section level is used to estimate the quantities of recommended repair activities based on the policies defined in 5.2 Localized M&R Policy. The PCI Survey Inspections did not consist of 100% inspection of all sample units; therefore, the section-level distress quantities used to estimate the Localized Maintenance and Repair needs are for conceptual planning purposes. The accuracy of the extrapolated distresses, and therefore work quantities, is subject to the amount of sample units inspected and the concentration of distress types observed in sample units. Appendix B provides the estimated Localized Maintenance and Repair based on this SAPMP's PCI Survey Inspection efforts. Localized Preventive Maintenance and Repair is typically applied to pavements that are in a condition at or above the Critical PCI of 65. Localized Stopgap Maintenance and Repair is typically applied to pavements that are below the Critical PCI of 65. It is recommended that airport staff evaluate the application of Localized Maintenance and Repair in concert with the planning of Major Rehabilitation efforts identified in Chapter 6 Major Rehabilitation Planning. Pavements with Stopgap recommendations that are subject to nearterm Major Rehabilitation efforts may remove the need to perform localized maintenance efforts.

The following Table 5.3-1 summarizes the anticipated Localized Maintenance and Repair efforts based on the PCI Survey Inspection efforts performed at this airport as part of this SAPMP System Update. The following table depicts planning-level costs rounded to the nearest ten dollars.

Work Description	Work Category	Rough Estimate of Work Quantity	Work Units	Ρ	lanning Material Cost
FDOT - PATCHING - AC PARTIAL DEPTH	PREVENTIVE	285	SqFt	\$	850.00
FDOT - SURFACE SEAL	PREVENTIVE	14,880	SqFt	\$	8,190.00
FDOT - PATCHING - AC FULL DEPTH	PREVENTIVE	110	SqFt	\$	660.00
FDOT - JOINT SEAL - PCC	STOPGAP	9,300	Ft	\$	25,580.00
FDOT - PATCHING - PCC FULL DEPTH	STOPGAP	205	SqFt	\$	20,200.00
FDOT - CRACK SEALING - AC	STOPGAP	184,245	Ft	\$	552,730.00
FDOT - PATCHING - AC PARTIAL DEPTH	STOPGAP	956,015	SqFt	\$	2,868,030.00
FDOT - PATCHING - AC FULL DEPTH	STOPGAP	1,295	SqFt	\$	7,770.00
FDOT - SURFACE SEAL	STOPGAP	42,100	SqFt	\$	23,160.00
FDOT - PATCHING - PCC PARTIAL DEPTH	STOPGAP	325	SqFt	\$	23,270.00
FDOT - CRACK SEALING - PCC	STOPGAP	2,645	Ft	\$	11,230.00

The following Table 5.3-2 provides further breakdown of the anticipated planning-level cost at the section level for the pavements exhibiting distresses that would benefit from Localized M&R. The table shows the approximate improved "End Condition" of the section after the application of Localized M&R. The following table depicts planning-level costs rounded to the nearest ten dollars.

Network ID	Branch ID	Section ID	Area (SF)	Start Condition	End Condition	Cost
IMM	AP HANG	4405	46,919	83	92	\$ 2,550.00
IMM	AP RU RW27	5105	25,727	94	94	\$-
IMM	AP RU RW36	4305	9,779	77	89	\$ 980.00
IMM	AP RU RW36	4310	6,046	70	88	\$ 1,580.00
IMM	AP RU RW36	4315	18,864	88	94	\$ 490.00
IMM	AP RU RW9	5205	31,086	94	94	\$-
IMM	AP S	4205	29,873	78	89	\$ 2,820.00
IMM	AP S	4210	54,026	76	79	\$ 820.00
IMM	AP S	4215	48,256	87	87	\$-
IMM	AP S	4220	29,117	92	94	\$ 100.00
IMM	CROP AP	4105	10,000	33	54	\$ 17,410.00
IMM	RW 18-36	6105	30,000	28	64	\$ 23,530.00
IMM	RW 18-36	6110	15,000	29	63	\$ 11,930.00
IMM	RW 18-36	6115	406,752	24	47	\$ 1,431,440.00
IMM	RW 18-36	6120	206,705	28	53	\$ 711,570.00
IMM	RW 4-22	6305	16,098	34	60	\$ 15,060.00
IMM	RW 4-22	6310	34,357	33	63	\$ 29,920.00
IMM	RW 9-27	6235	500,000	94	94	\$-
IMM	TW A	205	222,150	25	50	\$ 817,590.00
IMM	TW A	207	16,854	94	94	\$-
IMM	TW A1	210	23,396	20	50	\$ 93,730.00
IMM	TW A2	225	25,177	94	94	\$-
IMM	TW A2	230	22,664	94	94	\$ -
IMM	TW B	105	75,000	94	94	\$-
IMM	TW B	110	101,170	25	49	\$ 357,500.00
IMM	TW B	120	12,050	92	92	\$-
IMM	TW B	125	65,249	93	93	\$ -
IMM	TW B1	415	39,812	91	91	\$ -
IMM	TW B2	420	45,468	94	94	\$ -
IMM	TW B3	425	21,549	91	91	\$ -
IMM	TW C	310	52,883	81	84	\$ 410.00
IMM	TW C	315	73,566	83	83	\$-
IMM	TW TO AP	305	33,633	61	73	\$ 22,540.00

Table 5.3-2 Summary of Airport Localized M&R Planning Cost and Quantity at Section Level

The following **Table 5.3-3** provides a summary of the anticipated planning-level costs for Localized Preventive Maintenance and Repair and Localized Stopgap Maintenance and Repair. The following table depicts planning-level costs rounded to the nearest ten dollars.

Table 5.3-3 Summary of Localized Maintenance

Work Category	Cost
Preventive	\$ 9,700.00
Stopgap	\$ 3,531,970.00
Planning-Level Localized M&R Needs =	\$ 3,541,670.00

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Chapter 6

Chapter 6 – Major Rehabilitation Planning

6.1 Major Rehabilitation

Major rehabilitation is recommended to correct or improve structural deficiencies and/or functional deterioration for pavement sections within a network. Often, when pavements are subject to significant changes in the aircraft fleet mix (frequency and type), major rehabilitation is required to provide a pavement section to meet the traffic demand. Major rehabilitation is recommended when a pavement section falls below the Critical PCI value that is defined during the system customization or if a pavement section has a significant observation of load-related distress. Observation of any load-related distress potentially indicates that the section may be structurally deficient or that the aircraft loads being applied to the pavement section are different than what the section was designed for. **Figures 6.1-1 and 6.1-2** depict the decision process for major rehabilitation project identification with the assumption of available funds. Should funding be unavailable for pavement sections in need of major rehabilitation, the airport may elect to apply the appropriate localized stopgap repair.

Figure 6.1-1 Major Rehabilitation Planning Decision Diagram, PCI ≤ Critical PCI

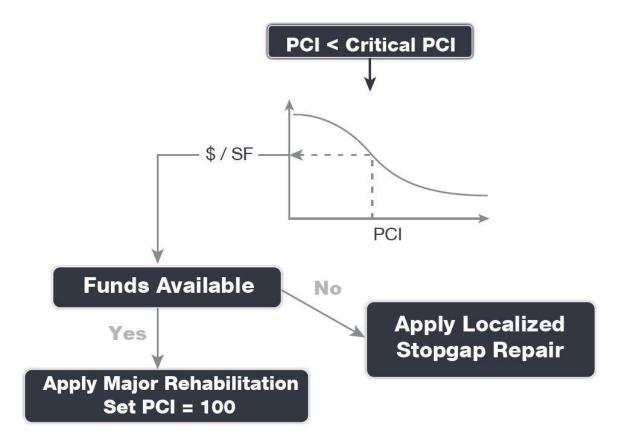
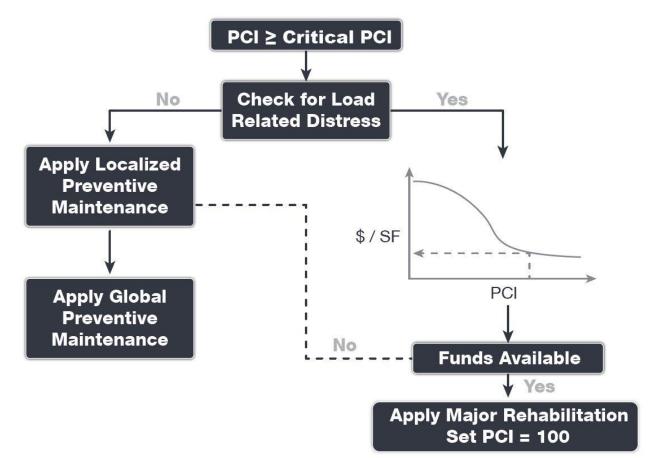




Figure 6.1-2 Major Rehabilitation Planning Decision Diagram, PCI > Critical PCI



FDOT

6.1.1 Critical PCI

For the FDOT SAPMP the development of a major rehabilitation program is based on the Critical PCI concept. The *Critical PCI* concept assumes that it is more cost-effective to maintain pavements above, rather than below their critical PCI. It is assumed that once a pavement section deteriorates to the Critical PCI value that it is more cost-effective to complete a major rehabilitation project rather than continuing to apply preventive maintenance. This method includes defining the Critical PCI and introducing major rehabilitation work types.

Identification of annual and long-range Major Rehabilitation work plans are typically based on the Critical PCI concept. The Critical PCI is defined as the PCI value at which the rate of loss (deterioration) increases with time, or the cost of applying localized maintenance and repair increases or is not effective. A Critical PCI is usually within a range of 55 and 70; the following procedure is standard approach in developing a specific Critical PCI:

- 1. Develop a pavement performance model and refine a prediction model for the pavements considered.
- 2. Select a localized maintenance and repair policy to be used in developing a work plan.
- 3. Apply the selected localized policy to the pavement sections for a range of PCI.
- 4. Compute the unit cost per area for each PCI range.
- 5. Plot the cost versus the PCI.
- 6. Determine the Critical PCI based on the point where the cost is insignificant.

The FDOT SAPMP defines the Critical PCI at 65 – this is based on the historic trends in pavement performance and Statewide planning efforts.

6.1.2 FDOT Recommended Minimum Service-Level PCI

The FDOT has recommended *Minimum Service-Level PCI* for airports' airfield pavements based on the following characteristics; airport type within FDOT SAPMP, branch use, and expected aircraft operations. For the purposes of Major Rehabilitation, the Critical PCI is typically the threshold condition that triggers major construction, however it is recommended that the airports maintain the Minimum Service-Level PCI with a combination of Localized Maintenance and Repair and timely Major Rehabilitation. **Table 6.1.2** summarizes the FDOT Recommended Minimum Service-Level PCI.

Branch Use	FDOT Recommended PCI	Additional Consideration		
Runway	75	Aircraft Fleet Mix Changes Primary Runway		
Taxiway / Taxilane	65	Aircraft Fleet Mix Changes Expected Operations		
Aprons / Run-Ups / Ramps	60	Ground Service Equipment Non-Aircraft Operations (e.g. fueling)		

Table 6.1.2 FDOT Recommended Minimum Service-Level PCI



6.2 Major Rehabilitation Policy

6.2.1 Major Rehabilitation Pavement Section Development

The review of the existing as-built record documentation within the participating airports' archives was used as the basis of the conceptual pavement design sections. Refinement of the pavement section layers was performed in consideration of the FAA *AC 150/ 5320-6F "Airport Pavement Design and Evaluation."* It should be noted that no subsurface geotechnical investigation, ALTA/ACSM Survey, topographic survey, utilities survey, environmental, or site specific air traffic study(s) have been utilized in the development of the design criteria. No warranty or assurance is implied in this document for final design nor construction for any airfield pavements discussed within this report. The following **Tables 6.2.1 (a) and (b)** provide details on the conceptual pavement sections developed for this study.

Major rehabilitation is divided into two policy categories as part of this program: Full-Depth Reconstruction (Reconstruction) and Intermediate-Level Major Rehabilitation (Restoration). Based on the pavement type, the general categories are defined as AC Reconstruction and AC Restoration for AC, AAC, and APC flexible pavement types and PCC Reconstruction and PCC Restoration for PCC rigid pavement types. The pavement sections have been based on the average GA Airport Type requirements; no pavement design has been performed in accordance with AC 150/5320-6F for the determined conceptual sections.

Rehabilitation Type	General Aviation (GA) Airport
AC Restoration Combination of asphalt pavement milling and overlay with 25% of the areas subject to full- depth reconstruction.	75% Mill and Overlay P-101 AC Milling (2") P-603 Bituminous Tack P-401 (HMA) (2")
PCI = 41 to 65	25% AC Reconstruction P-101 Pavement Removal P-152 Subgrade (12") P-211 Base (6") P-602 Bituminous Prime P-603 Bituminous Tack P-401 HMA (2") Excludes any paved shoulder features.
AC Reconstruction	P-101 Pavement Removal P-152 Subgrade (12") P-211 Base (6")
Full-depth asphalt pavement section reconstruction.	P-602 Bituminous Prime P-603 Bituminous Tack P-401 HMA (2")
PCI = 40 or less	Excludes any paved shoulder features.

Table 6.2.1 (a) Conceptual Pavement Section for Major Rehabilitation – Flexible AsphaltConcrete

Table 6.2.1 (b) Conceptual Pavement Section for Major Rehabilitation – Rigid Portland CementConcrete

Rehabilitation Type	General Aviation (GA) Airport
PCC RestorationRestoration of PCC pavement with a combination of crack sealing, joint seal replacement, and replacement of 25% of slab panels.PCI = 41 to 65	P-101 Pavement Removal P-605 Joint Seal Repair P-152 Subgrade (6") P-211 Base (if needed, typical) (6") P-501 Rigid PCC (10") *Select Slabs (25%) **Crack Seal and Limited Patching
PCC Reconstruction Full-depth rigid pavement section reconstruction. PCI = 40 or less	P-101 Pavement Removal P-605 Joint Seal Repair P-152 Subgrade (6") P-211 Base (6") P-501 Rigid PCC (10")

The identification of rehabilitation needs and conceptual pavement sections have been determined at the planning level. Design-level investigation is recommended prior to developing construction-level design documents and budgets.

In compliance with FAA Grant Assurances 11 and 19, the FDOT SAPMP provides airports with airfield pavement evaluation reports in accordance with FAA AC 150/5380-7B Airport Pavement Management Program (PMP) and AC 150/5380-6C Guidelines and Procedures for Maintenance of Airport Pavements. The application of the results of a PCI survey are for planning purposes and are limited to the visual observation of deteriorated pavements in limited sampling; design-level investigation is recommended in accordance with the FAA procedures defined in AC 5320-6F Airport Pavement Design and Evaluation and AC 150/5370-11B Use of Nondestructive Testing in the Evaluation of Airport Pavements. The aforementioned ACs provide the design-level material properties of in-situ pavement and subgrade layers for the determination of appropriate rehabilitation actions. The FDOT SAPMP is organized to provide airports with planning-level data and does not intend to preclude the responsible engineer in performing the appropriate level of investigation and analysis in determining the appropriate design-level rehabilitation. It would not be advisable to solely base design-level rehabilitation without the appropriate level of investigation and determination of pavement deterioration beyond that of a visual functional condition assessment.

6.2.2 Major Rehabilitation Planning-Level Unit Costs

Planning-level opinion of probable construction unit costs developed for this System Update was based on archived bid tabulations and records from airfield pavement projects provided by participating airports. A review of cost trends and cost factors have been incorporated to assist airports in planning for project budgets. Neither FDOT nor the Consultant Team has control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable construction costs

provided herein are based on the information known to FDOT at this time and represent only the Consultant Team's judgment as a design professional familiar with the construction industry. This report cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable construction costs.

Table 6.2.2 General Aviation Majo	· Rehabilitation Planning-Level	Unit Cost by Pavement Type
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Rehabilitation Type	PCI Range	Flexible Asphalt Concrete Cost Per SF				
Restoration	41 to 65	\$	7.00	\$	10.00	
Reconstruction	0 to 40	\$	9.00	\$	15.00	

Planning-level opinion of probable construction unit costs consider factors for non-pavement improvements, QA/QC testing, and administrative costs.

6.3 Major Rehabilitation Needs

The objective of the major pavement rehabilitation needs analysis is to provide planning-level projects within an airport's airfield pavement network. Major rehabilitation activities are recommended when a pavement section has deteriorated below the Critical PCI value, a point at which localized maintenance and repair activities may not be the most cost-effective solution. In addition, major rehabilitation is also recommended when the Section PCI is at or above the Critical PCI but the section has significant load-related PCI distresses. Identification of rehabilitation needs is done at the Airfield Pavement Network Definition's section level. This however does not limit the airport from further refining limits of project planning areas.

Major rehabilitation is identified within the FDOT SAPMP as major construction activity that would result in an improvement or resetting of the pavement section's PCI to a value of 100. Major rehabilitation recommendations (AC Restoration, AC Reconstruction, PCC Restoration, and PCC Reconstruction) should be considered as planning-level only. Additional design-level investigation in accordance to the FAA Advisory Circulars will be required. Recommendations identified within this planning document do not imply final design.

6.3.1 10-Year Unconstrained Budget Major Rehabilitation Needs

An unconstrained budget (unlimited budget) is performed for a 10-year duration to identify pavement rehabilitation needs based on current or forecasted PCI values deteriorating below the Critical PCI. FDOT recognizes airports are constrained by budgets and does not intend to convey an unrealistic approach of addressing pavement rehabilitation. The intent of the 10-Year Major Rehabilitation Needs analysis is to identify pavements that will warrant rehabilitation. It is highly recommended that airport staff utilize this information in support of the development of a practical Capital Improvement Program based on priorities, further design/project-level investigation, and budgetary constraints. The following **Table 6.3.1** summarizes all identified section-level major rehabilitation needs forecasted for the next 10-year period. It should be noted that the following table depicts planning-level costs and have been rounded for planning purposes.



Program Year	Network ID	Branch ID	Section ID	Surface	Area (SF)	PCI Before	Rehabilitation Type	Planning Cost
2018	IMM	CROP AP	4105	AC	10,000	31	AC Reconstruction	\$ 91,000.00
2018	IMM	RW 18-36	6105	PCC	30,000	27	PCC Reconstruction	\$ 451,000.00
2018	IMM	RW 18-36	6110	PCC	15,000	28	PCC Reconstruction	\$ 226,000.00
2018	IMM	RW 18-36	6115	AC	406,752	22	AC Reconstruction	\$ 3,661,000.00
2018	IMM	RW 18-36	6120	AC	206,705	26	AC Reconstruction	\$ 1,861,000.00
2018	IMM	RW 4-22	6305	PCC	16,098	33	PCC Reconstruction	\$ 242,000.00
2018	IMM	RW 4-22	6310	PCC	34,357	32	PCC Reconstruction	\$ 516,000.00
2018	IMM	TW A	205	AC	222,150	23	AC Reconstruction	\$ 2,000,000.00
2018	IMM	TW A1	210	AC	23,396	17	AC Reconstruction	\$ 211,000.00
2018	IMM	TW B	110	AC	101,170	23	AC Reconstruction	\$ 911,000.00
2018	IMM	TW TO AP	305	AC	33,633	60	AC Restoration	\$ 236,000.00
2021	IMM	AP RU RW36	4310	AC	6,046	63	AC Restoration	\$ 43,000.00
2025	IMM	AP RU RW36	4305	AC	9,779	64	AC Restoration	\$ 69,000.00
2025	IMM	AP S	4210	AC	54,026	63	AC Restoration	\$ 379,000.00
2026	IMM	AP S	4205	AC	29,873	64	AC Restoration	\$ 210,000.00

Table 6.3.1 10-Year Major Rehabilitation Needs

*All values have been rounded to the nearest thousand-dollar.

The following **Figure 6.3.1-1** summarizes the section-level major rehabilitation needs for a 10year period between 2018 and 2027. **Figure 6.3.1-2** provides an inset view of Airfield Pavement Major Rehabilitation Exhibit, a large format exhibit is located in **Appendix C Technical Exhibits**. The exhibit graphically depicts the Major Rehabilitation Needs with rounded costs.

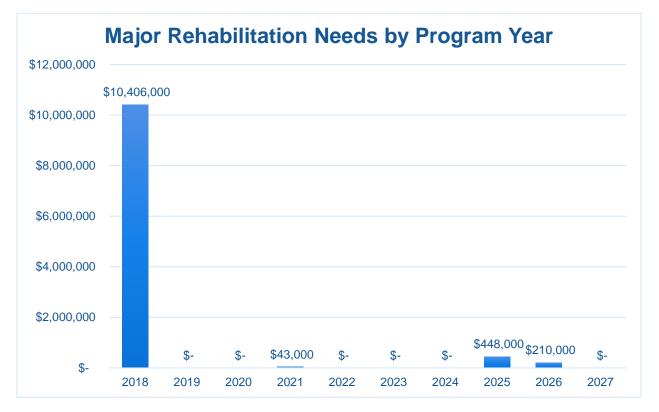
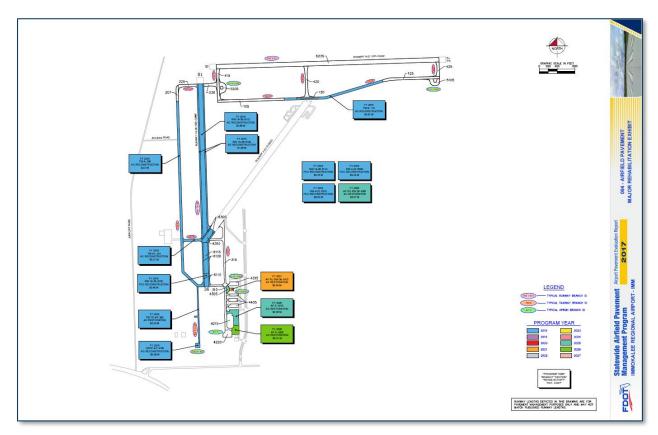


Figure 6.3.1-1 10-Year Major Rehabilitation Needs by Program Year







Statewide Airfield Pavement Management Program



Chapter 7

Chapter 7 – Conclusion

7.1 Recommendations

7.1.1 Continued PCI Survey Inspections

It is recommended that the airport continue to perform regularly scheduled PCI Survey inspections in accordance with the ASTM D5340-12 (or latest edition) to monitor the condition of the airfield pavement facilities.

A high priority should be considered for continuous maintenance record keeping and reinspection of all the airport's maintained pavement facilities to ensure continued safe aircraft operations. A series of scheduled periodic inspections must be carried out for an effective maintenance program. Re-inspection of pavements should be scheduled in a timely manner to ensure that all areas, particularly those that may not come under day-to-day observation, are thoroughly evaluated and reported.

7.1.2 Localized Maintenance and Repair

While deterioration of the pavements due to usage and exposure to the environment cannot be completely prevented, applying timely and effective maintenance efforts can slow the anticipated rate of deterioration. Lack of adequate and timely maintenance is the significant factor in pavement deterioration.

It is recommended that airport sponsors coordinate with their respective Airport Maintenance staff and Airport Engineer when developing project-level maintenance and repair efforts.

7.1.3 Major Rehabilitation

Chapter 6 – Major Rehabilitation Planning identified major pavement rehabilitation project needs from 2018-2027. The identification of the rehabilitation needs was performed at the section level for manageable project areas with the assumption of an unconstrained budget scenario. Given the uncertainty in the airport-specific budget information and prioritization goals, the unconstrained budget scenario was performed to evaluate the worst-case scenario and identify all the inspected pavements' needs in a 10-year period. Certainly, it is understood that most airports are faced with constrained budgets; further evaluation of projects based on prioritization, operational criticality, funding availability, and practicality is recommended.

7.1.4 Pavement Management System

The following recommendations are made to fully implement an effective pavement management program for the airport:

- > Develop a detailed preventive maintenance program for the airport.
- Further refine and implement the identified 10-year major rehabilitation needs.
- Maintain detailed records on pavement maintenance, construction, and inspection.
- Maintain records on major pavement construction projects (year, scope, cost, and construction documents).



7.2 Supporting Documents

001 – Airfield Pavement Network Definition Exhibit

The Airfield Pavement Network Definition Exhibit is located in **Appendix C Technical Exhibits**. The exhibit depicts the airfield layout in a manner that defines the airfield pavement infrastructure as branches, sections, and sample units in accordance with the ASTM D5340-12. The exhibit is intended for planning purposes only – further detail on facilities can be found on the Airport's adopted Airport Layout Plan. Detailed characteristics are tabulated in **Appendix A Pavement Analysis Tables**.

002 – Airfield Pavement System Inventory Exhibit

The Airfield Pavement System Inventory Exhibit in is located in **Appendix C Technical Exhibits**. The exhibit depicts any recent and/or anticipated construction activity within the airfield pavement facilities reported by airport staff. The exhibit is intended to schematically identify the pavement limits of works and general work description. The information reported on the *Airport Response Form* provided by each participating airport was used as the basis of the changes; furthermore, changes are confirmed at the airport with airport staff during the in-brief and debrief meeting.

003 – Airfield Pavement Condition Index Exhibit

The Airfield Pavement Condition Index Exhibit is located in **Appendix C Technical Exhibits**. The exhibit is a visual summary of the latest conditions calculated from the results of the PCI Survey performed at the airport. The analysis of the distresses surveyed in accordance with the ASTM D5340-12 (referenced in **Appendix E Inspection Distress Details**) were analyzed using PAVER[™] software to determine PCI values. The PCI values are identified in the exhibit and graphically represented using the standard ASTM D5340-12 colors for condition rating categories.

004 – Airfield Pavement Major Rehabilitation Exhibit

The Airfield Pavement Major Rehabilitation Exhibit is located in **Appendix C Technical Exhibits**. The exhibit has been prepared based on the section condition analysis, pavement condition forecasts, and major rehabilitation needs analysis. The exhibit graphically depicts the inventory with the associated rehabilitation type activity, program year, and the planning-level costs. The area limits, rehabilitation type, and planning-level costs should not be considered a design-level recommendation. A tabulation of the 10-Year Major Rehabilitation is located in **Appendix B Airfield Pavement Localized Maintenance and Repair and Major Rehabilitation**.

Inspection Photograph Documentation

Representative field conditions from the PCI Survey are documented with digital photographs located in **Appendix D Inspection Photograph Documentation.** Select photographs are provided with limited caption on the distresses observed – the Appendix does not contain photographs for every sample unit.



7.3 Conclusion

The FDOT SAPMP Update Phase 1 2016-2017 was completed for the airport on behalf of the FDOT ASO in accordance with the Advisory Circulars **150/5380-7B** "Airport Pavement Management Program (PMP)" and **150/5380-6C** "Guidelines and Procedures for Maintenance of Airport Pavements." FDOT's implementation of the SAPMP has assisted public airports with this requirement in performing PCI survey inspections and analysis in accordance with the ASTM D5340-12 "Standard Test Method for Airport Pavement Condition Index Surveys."

Statewide Airfield Pavement Management Program



Appendix A

Airfield Pavement Analysis Tables

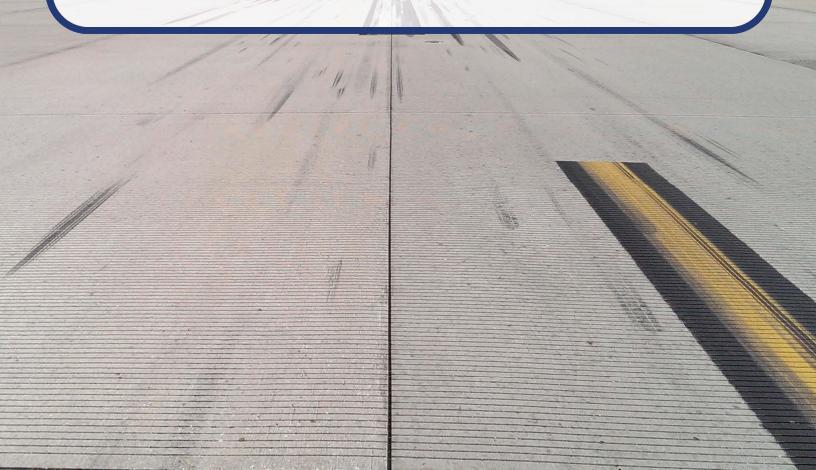




Table A-1 Pavement System Inventory Details

Network ID	Branch Name	Branch ID	Branch Use	Section ID	Length (FT)	Width (FT)	Area (SF)	Surface Type	Est. Last Construction Date
IMM	APRON TO HANGARS	AP HANG	APRON	4405	900	50	46,919	AC	1/1/1998
IMM	APRON RUN-UP RW 27	AP RU RW27	APRON	5105	400	60	25,727	AC	11/1/2014
IMM	APRON RUN-UP RW 36	AP RU RW36	APRON	4305	180	50	9,779	AC	1/1/1998
IMM	APRON RUN-UP RW 36	AP RU RW36	APRON	4310	80	66	6,046	AC	1/1/2001
IMM	APRON RUN-UP RW 36	AP RU RW36	APRON	4315	185	86	18,864	AC	1/1/2002
IMM	APRON RUN-UP RW 9	AP RU RW9	APRON	5205	500	60	31,086	AC	11/1/2014
IMM	SOUTH APRON AND FUELING RAMPS	AP S	APRON	4205	140	200	29,873	AC	1/1/1997
IMM	SOUTH APRON AND FUELING RAMPS	AP S	APRON	4210	216	355	54,026	AC	1/1/1998
IMM	SOUTH APRON AND FUELING RAMPS	AP S	APRON	4215	340	160	48,256	AC	7/31/2007
IMM	SOUTH APRON AND FUELING RAMPS	AP S	APRON	4220	180	200	29,117	AC	7/31/2007
IMM	CROP APRON	CROP AP	APRON	4105	100	100	10,000	AC	1/1/1987
IMM	RUNWAY 18-36	RW 18-36	RUNWAY	6105	300	100	30,000	PCC	1/1/1942
IMM	RUNWAY 18-36	RW 18-36	RUNWAY	6110	600	25	15,000	PCC	1/1/1942
IMM	RUNWAY 18-36	RW 18-36	RUNWAY	6115	4225	100	406,752	AC	1/1/1942
IMM	RUNWAY 18-36	RW 18-36	RUNWAY	6120	8450	25	206,705	AC	1/1/1942
IMM	RUNWAY 4-22	RW 4-22	RUNWAY	6305	600	25	16,098	PCC	1/1/1942
IMM	RUNWAY 4-22	RW 4-22	RUNWAY	6310	350	100	34,357	PCC	1/1/1942
IMM	RUNWAY 9-27	RW 9-27	RUNWAY	6235	5000	100	500,000	AC	11/1/2014
IMM	ΤΑΧΙΨΑΥ Α	TW A	TAXIWAY	205	4450	50	222,150	AC	1/1/1942
IMM	ΤΑΧΙΨΑΥ Α	TW A	TAXIWAY	207	450	35	16,854	AC	11/1/2014
IMM	TAXIWAY A1	TW A1	TAXIWAY	210	469	50	23,396	AC	1/1/1942
IMM	TAXIWAY A2	TW A2	TAXIWAY	225	750	35	25,177	AC	11/1/2014
IMM	TAXIWAY A2	TW A2	TAXIWAY	230	650	35	22,664	AC	11/1/2014
IMM	TAXIWAY B	TW B	TAXIWAY	105	1525	50	75,000	AC	11/1/2014
ІММ	ΤΑΧΙΨΑΥ Β	TW B	TAXIWAY	110	2653	50	101,170	AC	1/1/1942
IMM	TAXIWAY B	TW B	TAXIWAY	120	375	35	12,050	AC	11/1/2014
IMM	ΤΑΧΙΨΑΥ Β	TW B	TAXIWAY	125	1900	35	65,249	AC	11/1/2014
IMM	TAXIWAY B	TW B1	TAXIWAY	415	1100	35	39,812	AC	11/1/2014
IMM	TAXIWAY B2	TW B2	TAXIWAY	420	1300	35	45,468	AC	11/1/2014
IMM	TAXIWAY B3	TW B3	TAXIWAY	425	600	35	21,549	AC	11/1/2014
IMM	TAXIWAY C	TW C	TAXIWAY	310	1600	35	52,883	AC	1/1/1998
IMM	TAXIWAY C	TW C	TAXIWAY	315	2100	35	73,566	AC	1/1/2007
IMM	TAXIWAY TO CROP AP	TW TO AP	TAXIWAY	305	1260	25	33,633	AC	1/1/1987



Table A-2 Pavement Condition Index Summary (Last Inspection) – Section Level

Network ID	Branch Name	Branch Use	Section ID	Area (SF)	PCI	Condition Rating
IMM	RUNWAY 18-36	RUNWAY	6105	30,000	28	Very Poor
IMM	RUNWAY 18-36	RUNWAY	6110	15,000	29	Very Poor
IMM	RUNWAY 18-36	RUNWAY	6115	406,752	24	Serious
IMM	RUNWAY 18-36	RUNWAY	6120	206,705	28	Very Poor
IMM	RUNWAY 9-27	RUNWAY	6235	500,000	94	Good
IMM	RUNWAY 4-22	RUNWAY	6305	16,098	34	Very Poor
IMM	RUNWAY 4-22	RUNWAY	6310	34,357	33	Very Poor
IMM	TAXIWAY A	TAXIWAY	205	222,150	25	Serious
IMM	ΤΑΧΙΨΑΥ Α	TAXIWAY	207	16,854	94	Good
IMM	TAXIWAY A1	TAXIWAY	210	23,396	20	Serious
IMM	TAXIWAY A2	TAXIWAY	225	25,177	94	Good
IMM	TAXIWAY A2	TAXIWAY	230	22,664	94	Good
IMM	TAXIWAY B	TAXIWAY	105	75,000	94	Good
IMM	TAXIWAY B	TAXIWAY	110	101,170	25	Serious
IMM	TAXIWAY B	TAXIWAY	120	12,050	92	Good
IMM	TAXIWAY B	TAXIWAY	125	65,249	93	Good
ІММ	TAXIWAY B	TAXIWAY	415	39,812	91	Good
IMM	TAXIWAY B2	TAXIWAY	420	45,468	94	Good
ІММ	TAXIWAY B3	TAXIWAY	425	21,549	91	Good
IMM	TAXIWAY C	TAXIWAY	310	52,883	81	Satisfactory
ІММ	TAXIWAY C	TAXIWAY	315	73,566	83	Satisfactory
IMM	TAXIWAY TO CROP AP	TAXIWAY	305	33,633	61	Fair
ІММ	CROP APRON	APRON	4105	10,000	33	Very Poor
IMM	SOUTH APRON AND FUELING RAMPS	APRON	4205	29,873	78	Satisfactory
IMM	SOUTH APRON AND FUELING RAMPS	APRON	4210	54,026	76	Satisfactory
IMM	SOUTH APRON AND FUELING RAMPS	APRON	4215	48,256	87	Good
IMM	SOUTH APRON AND FUELING RAMPS	APRON	4220	29,117	92	Good
IMM	APRON RUN-UP RW 36	APRON	4305	9,779	77	Satisfactory
IMM	APRON RUN-UP RW 36	APRON	4310	6,046	70	Fair
IMM	APRON RUN-UP RW 36	APRON	4315	18,864	88	Good
IMM	APRON TO HANGARS	APRON	4405	46,919	83	Satisfactory
IMM	APRON RUN-UP RW 27	APRON	5105	25,727	94	Good
IMM	APRON RUN-UP RW 9	APRON	5205	31,086	94	Good
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Table A-3 Forecasted PCI 2018-2027

Network ID	Drevek ID	Continu ID						Forecas	sted PC	I			
Network ID	Branch ID	Section ID	Last PCI	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
IMM	AP HANG	4405	83	81	80	78	76	75	73	72	70	69	67
IMM	AP RU RW27	5105	94	92	91	89	87	86	84	83	81	80	78
IMM	AP RU RW36	4305	77	75	74	72	70	69	67	66	64	63	61
IMM	AP RU RW36	4310	70	68	67	65	63	62	60	59	57	56	54
IMM	AP RU RW36	4315	88	86	85	83	81	80	78	77	75	74	72
IMM	AP RU RW9	5205	94	92	91	89	87	86	84	83	81	80	78
IMM	AP S	4205	78	76	75	73	71	70	68	67	65	64	62
IMM	AP S	4210	76	74	73	71	69	68	66	65	63	62	60
IMM	AP S	4215	87	85	84	82	80	79	77	76	74	73	71
IMM	AP S	4220	92	90	89	87	85	84	82	81	79	78	76
IMM	CROP AP	4105	33	31	30	28	26	25	23	22	20	19	17
IMM	RW 18-36	6105	28	27	26	25	24	23	23	22	21	20	19
IMM	RW 18-36	6110	29	28	27	26	25	24	24	23	22	21	20
IMM	RW 18-36	6115	24	22	21	19	17	16	14	12	11	9	8
IMM	RW 18-36	6120	28	26	25	23	21	20	18	16	15	13	12
IMM	RW 4-22	6305	34	33	32	31	30	29	29	28	27	26	25
ІММ	RW 4-22	6310	33	32	31	30	29	28	28	27	26	25	24
IMM	RW 9-27	6235	94	92	91	89	87	86	84	82	81	79	78
ІММ	TW A	205	25	23	21	18	15	12	10	7	4	2	0
IMM	TW A	207	94	91	89	86	84	82	80	77	76	74	72
ІММ	TW A1	210	20	17	14	11	9	6	3	1	0	0	0
IMM	TW A2	225	94	91	89	86	84	82	80	77	76	74	72
IMM	TW A2	230	94	91	89	86	84	82	80	77	76	74	72
IMM	TW B	105	94	91	89	86	84	82	80	77	76	74	72
IMM	TW B	110	25	23	21	18	15	12	10	7	4	2	0
IMM	TW B	120	92	89	87	84	82	80	78	76	74	73	71
IMM	TW B	125	93	90	88	85	83	81	79	77	75	73	72
IMM	TW B1	415	91	88	86	84	81	79	77	75	74	72	71
IMM	TW B2	420	94	91	89	86	84	82	80	77	76	74	72
IMM	TW B3	425	91	88	86	84	81	79	77	75	74	72	71
IMM	TW C	310	81	79	77	75	73	72	71	69	68	67	66
IMM	TW C	315	83	81	79	77	75	73	72	70	69	68	67
IMM	TW TO AP	305	61	60	59	57	56	55	54	52	51	49	47

7/28/2017	Wol Pavement Database:	rk History <i>FDOT</i>	y Report			Page 1 of 6
Network: IMMOKA L.C.D.: 1/1/1998 Us Work Date Work Code 1/1/1998 IMPORT ED	e: APRON Rank: P L Work Description		N TO HAN 0.00 (Ft) Wite Thickness (in) 0.00	Section: dth: 50.0 Major M&R	4405 00 (Ft) True Area: Comm 1998 AC PAVEMEN	
Network: IMMOKA L.C.D.: 11/1/2014 Us Work Date Work Code 11/1/2014 NC-AC			0.00 (Ft) Wid Thickness (in)	Section: dth: 60.0 Major M&R	5105 00 (Ft) True Area: Comm 4" P-401; 6" P-211; 1	
Network: IMMOKA L.C.D.: 1/1/1998 Us Work Date Work Code 1/1/1998 IMPORT ED	e: APRON Rank: P L Work Description			Section: dth: 50.0 Major M&R	4305 00 (Ft) True Area: Comm 1998 AC PAVEMEN	
Network: IMMOKA L.C.D.: 1/1/2001 Us Work Date Work Code 1/1/2001 NC-AC			0.00 (Ft) Wid Thickness (in)	Section: dth: 66.0 Major M&R	4310 00 (Ft) True Area: Comm	Surface: AC 6,046.00 (SqFt) ments
Work Date Work Code				Section: dth: 86.0 Major M&R	4315 00 (Ft) True Area: Comm	Surface: AC 18,864.00 (SqFt) ments
Network: IMMOKA L.C.D.: 11/1/2014 Us Work Date Work Code 11/1/2014 NC-AC			N RUN-UP 0.00 (Ft) Wite Thickness (in) 0.00	Section: dth: 60.0 Major M&R	5205 00 (Ft) True Area: Comm 4" P-401; 6" P-211; 1	
Network: IMMOKA L.C.D.: 1/1/1997 Us Work Work 1/1/1997 IMPORT ED ED	e: APRON Rank: P L Work Description		H APRON 0.00 (Ft) Wite Thickness (in) 0.00	Section: dth: 200.0 Major M&R	4205 00 (Ft) True Area: Comm 1997 AC PAVEMEN	

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		Pavement Database:				
		LEE REGI Branch: AP S	SOUT	H APRON	Section:	
L.C.D.: 1/1/1		se: APRON Rank: P	Length: 216			00 (Ft) True Area: 54,026.00 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/1998	IMPORT ED	BUILT	0.00	0.00		1998 AC PAVEMENT
Network:	IMMOKA	LEE REGI Branch: AP S	SOUT	'H APRON	Section:	4215 Surface: AC
L.C.D.: 7/31/2		se: APRON Rank: P	Length: 340	. ,		00 (Ft) True Area: 48,256.00 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
7/31/2007	NU-IN	New Construction - Initial	0.00	0.00		
Notwork	IMMORA	LEE REGI Branch: AP S	SOUT	H APRON	Section:	4220 Surfaces AC
Network: L.C.D.: 7/31/						4220 Surface: AC 00 (Ft) True Area: 29,117.00 (SqFt)
	Work		0	Thickness	Major	
Work Date 7/31/2007	Code NU-IN	Work Description New Construction - Initial	Cost	(in) 0.00	M&R	Comments
7/31/2007	NU-IIN	New Construction - Initian	0.00	0.00		
Network:	IMMOKA	LEE REGI Branch: CROI	PAP CROP	APRON	Section:	4105 Surface: AC
L.C.D.: 1/1/1	987 Us	se: APRON Rank: P	Length: 100	0.00 (Ft) Wi	dth: 100.	00 (Ft) True Area: 10,000.00 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/1987	IMPORT ED	BUILT	0.00	0.00		ESTIMATE 1987 AC PAVEMENT
	ED					
Network:	IMMOKA	LEE REGI Branch: RW 1	8-36 RUNV	WAY 18-36	Section:	6105 Surface: PCC
L.C.D.: 1/1/1		se: RUNWAY Rank: P	Length: 300	0.00 (Ft) Wi	dth: 100.	00 (Ft) True Area: 30,000.00 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/1942	IMPORT	BUILT	0.00	< , ,		ESTIMATE 1942 PCC
	ED					
Network:	IMMOKA	LEE REGI Branch: RW 1	8-36 RUNV	WAY 18-36	Section:	6110 Surface: PCC
L.C.D.: 1/1/1	942 Us	se: RUNWAY Rank: P	Length: 600	0.00 (Ft) Wi	dth: 25.	00 (Ft) True Area: 15,000.00 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/1942	IMPORT	BUILT	0.00	0.00		ESTIMATE 1942 PCC
-	ED					
Network:	IMMOKA	LEE REGI Branch: RW 1	8-36 RUNV	WAY 18-36	Section:	6115 Surface: AC
L.C.D.: 1/1/1	942 Us	se: RUNWAY Rank: P	Length: 4,225	5.00 (Ft) Wi	dth: 100.	00 (Ft) True Area: 406,752.00 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/1942	IMPORT	OVERLAY	0.00			ESTIMATE 1942 AC PAVEMENT
1/1/1942	ED IMPORT	BUILT	0.00	0.00		*EMULSION SEAL - RECENT SEAL -
1/1/1942	ED IMPORT	OVERLAY	0.00	2.00		REDUCES SEVERITY OF RAVELIN ? PAVEMENT SECTION IS 2" AC ON
1/1/1/942	ED	O TENEN I	0.00	2.00		8" BASE?

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		Pavement Database:	•			
		LEE REGI Branch: RW 18		VAY 18-36	Section:	
L.C.D.: 1/1/1		se: RUNWAY Rank: P L	.ength: 8,450			00 (Ft) True Area: 206,705.00 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/1942	IMPORT ED	BUILT	0.00	2.00		? PAVEMENT SECTION IS 2" AC ON 8" BASE?
1/1/1942		OVERLAY	0.00	0.00		ESTIMATE 1942 AC PAVEMENT
Natarah					G t.	C205 DCC
Network: L.C.D.: 1/1/1		LEE REGI Branch: RW 4-3 se: RUNWAY Rank: S L		VAY 4-22 0.00 (Ft) Wie	Section: dth: 25.0	6305 Surface: PCC 00 (Ft) True Area: 16,098.00 (SqFt)
	Work			Thickness	Major	
Work Date		Work Description	Cost	(in)	M&R	Comments ESTIMATE 1942 PCC
1/1/1942	IMPORT ED	BUILI	0.00	0.00		ESTIMATE 1942 PCC
		LEE REGI Branch: RW 4-2		VAY 4-22	Section:	
L.C.D.: 1/1/1	942 Us Work	se: RUNWAY Rank: S L	2ength: 350	0.00 (Ft) Wie Thickness		00 (Ft) True Area: 34,357.00 (SqFt)
Work Date	Code	Work Description	Cost	(in)	Major M&R	Comments
1/1/1942	IMPORT ED	BUILT	0.00	0.00		ESTIMATE 1942 PCC
Network:	IMMOKA	LEE REGI Branch: RW 9-2	27 RUNW	VAY 9-27	Section:	6235 Surface: AC
L.C.D.: 11/1/		se: RUNWAY Rank: P L	ength: 5,000	、 <i>,</i>	dth: 100.	00 (Ft) True Area: 500,000.00 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
11/1/2014	NC-AC	New Construction - AC	0.00	0.00		4" P-401; 6" P-211; 12" P-160
Natara	NAVOVA	LEE REGI Branch: TW A1		X7 A X7 A 1	G	
Network: L.C.D.: 1/1/1				WAY A1	Section:	210 Surface: AC
				$(OO(E_t) \mathbf{W})$	dth. 500	00 (Et) True Areas 22 206 00 (SaEt)
Work Date	и могк					00 (Ft) True Area: 23,396.00 (SqFt)
-	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/1942	Code			Thickness	Major	
1/1/1942 1/1/1942	Code IMPORT ED IMPORT	Work Description	Cost	Thickness (in) 2.00	Major M&R	Comments PAVEMENT SECTION IS 2" AC ON
	Code IMPORT ED	Work Description	Cost 0.00	Thickness (in) 2.00	Major M&R ✓	Comments PAVEMENT SECTION IS 2" AC ON 8" BASE?
1/1/1942	Code IMPORT ED IMPORT ED	Work Description	Cost 0.00 0.00	Thickness (in) 2.00	Major M&R ✓	Comments PAVEMENT SECTION IS 2" AC ON 8" BASE? ESTIMATE 1942 AC PAVEMENT
1/1/1942	Code IMPORT ED IMPORT ED	Work Description OVERLAY BUILT LEE REGI Branch: TW A	Cost 0.00 0.00	Thickness (in) 2.00 0.00 WAY A	Major M&R	Comments PAVEMENT SECTION IS 2" AC ON 8" BASE? ESTIMATE 1942 AC PAVEMENT
1/1/1942 Network:	Code IMPORT ED IMPORT ED	Work Description OVERLAY BUILT LEE REGI Branch: TW A	Cost 0.00 0.00 TAXIV	Thickness (in) 2.00 0.00 WAY A	Major M&R	Comments PAVEMENT SECTION IS 2" AC ON 8" BASE? ESTIMATE 1942 AC PAVEMENT 205 Surface: AC
1/1/1942 Network: L.C.D.: 1/1/1	Code IMPORT ED IMPORT ED IMMOKA 942 Us Work Code IMPORT	Work Description OVERLAY BUILT LEE REGI Branch: TW A se: TAXIWAY Rank: P L	Cost 0.00 0.00 TAXIV ength: 4,450	Thickness (in) 2.00 0.00 WAY A 0.00 (Ft) With Thickness	Major M&R Section: dth: 50.0 Major	Comments Comments PAVEMENT SECTION IS 2" AC ON 8" BASE? ESTIMATE 1942 AC PAVEMENT 205 Surface: AC 00 (Ft) True Area: 222,150.00 (SqFt)
1/1/1942 Network: L.C.D.: 1/1/1 Work Date	Code IMPORT ED IMPORT ED IMMOKA 942 Us Work Code	Work Description OVERLAY BUILT LEE REGI Branch: TW A se: TAXIWAY Rank: P L Work Description OVERLAY	Cost 0.00 0.00 TAXIV ength: 4,450 Cost	Thickness (in) 2.00 0.00 WAY A 0.00 (Ft) With Thickness (in)	Major M&R Section: dth: 50. Major M&R	Comments PAVEMENT SECTION IS 2" AC ON 8" BASE? ESTIMATE 1942 AC PAVEMENT 205 Surface: AC 00 (Ft) True Area: 222,150.00 (SqFt) Comments
1/1/1942 Network: L.C.D.: 1/1/1 Work Date 1/1/1942 1/1/1942	Code IMPORT ED IMPORT ED IMMOKA 942 Us Work Code IMPORT ED IMPORT ED	Work Description OVERLAY BUILT LEE REGI Branch: TW A se: TAXIWAY Rank: P Work Description OVERLAY BUILT	Cost 0.00 TAXIV ength: 4,450 Cost 0.00 0.00	Thickness (in) 2.00 0.00 0.00 WAY A Way 0.00 (Ft) With Thickness (in) 0.00 0.00 2.00	Major M&R V Section: dth: 50.0 Major M&R V	Comments PAVEMENT SECTION IS 2" AC ON 8" BASE? ESTIMATE 1942 AC PAVEMENT 205 Surface: AC 00 (Ft) True Area: 222,150.00 (SqFt) Comments ESTIMATE 1942 AC PAVEMENT ? PAVEMENT SECTIONIS 2" AC ON 8" BASE?
1/1/1942 Network: L.C.D.: 1/1/1 Work Date 1/1/1942 1/1/1942 Network:	Code IMPORT ED IMPORT ED IMMOKA 942 Us Work Code IMPORT ED IMPORT ED	Work Description OVERLAY BUILT LEE REGI Branch: TW A se: TAXIWAY Rank: P L Work Description OVERLAY BUILT E BUILT LEE REGI Branch: TW A	Cost 0.00 0.00 TAXIV cength: 4,450 Cost 0.00 0.00 TAXIV	Thickness (in) 2.00 0.00 0.00 WAY A With the second	Major M&R V Section: dth: 50.0 Major M&R V Section:	Comments PAVEMENT SECTION IS 2" AC ON 8" BASE? ESTIMATE 1942 AC PAVEMENT 205 Surface: AC 00 (Ft) True Area: 222,150.00 (SqFt) Comments ESTIMATE 1942 AC PAVEMENT ? PAVEMENT SECTIONIS 2" AC ON 8" BASE? 207 Surface: AC
1/1/1942 Network: L.C.D.: 1/1/1 Work Date 1/1/1942 1/1/1942	Code IMPORT ED IMPORT ED IMMOKA 942 Us Work Code IMPORT ED IMPORT ED	Work Description OVERLAY BUILT LEE REGI Branch: TW A se: TAXIWAY Rank: P L Work Description OVERLAY BUILT E BUILT LEE REGI Branch: TW A	Cost 0.00 0.00 TAXIV ength: 4,450 Cost 0.00 TAXIV	Thickness (in) 2.00 0.00 0.00 WAY A With the second	Major M&R V Section: dth: 50.0 Major M&R V Section:	Comments PAVEMENT SECTION IS 2" AC ON 8" BASE? ESTIMATE 1942 AC PAVEMENT 205 Surface: AC 00 (Ft) True Area: 222,150.00 (SqFt) Comments ESTIMATE 1942 AC PAVEMENT ? PAVEMENT SECTIONIS 2" AC ON 8" BASE?

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		LEE REGI Branch: TW A2		WAY A2	Section:	
L.C.D.: 11/1/	2014 Us Work		0	.00 (Ft) Wie Thickness	dth: 35.0 Major	00 (Ft) True Area: 25,177.00 (SqFt)
Work Date	Code NC-AC	Work Description New Construction - AC	Cost 0.00	(in) 0.00	M&R	Comments 4" P-401: 6" P-211: 12" P-160
11/1/2011	ne ne		0.00	0.00		1 1 101, 0 1 211, 12 1 100
Network:	IMMOKA	LEE REGI Branch: TW A2	2 TAXIV	WAY A2	Section:	230 Surface: AC
L.C.D.: 11/1/		e: TAXIWAY Rank: P L	ength: 650	· · ·		00 (Ft) True Area: 22,664.00 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
11/1/2014	NC-AC	New Construction - AC	0.00	0.00		4" P-401; 6" P-211; 12" P-160
Network:	IMMOKA	LEE REGI Branch: TW B	TAXIV	WAY B	Section:	105 Surface: AC
L.C.D.: 11/1/	2014 Us	e: TAXIWAY Rank: P L	ength: 1,525	.00 (Ft) Wie	dth: 50.0	00 (Ft) True Area: 75,000.00 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
11/1/2014		Complete Reconstruction - AC	0.00	0.00		4" P-401; 6" P-211; 12" P-160
1/1/1942	IMPORT ED	OVERLAY	0.00	0.00		ESTIMATE 1942 AC
1/1/1942	IMPORT ED	BUILT	0.00	2.00		? PAVEMENT SECTION IS 2" AC ON 8" BASE?
Natara	DALOVA					
петмогк:				VAVD	Castions	
L.C.D.: 1/1/1		LEE REGI Branch: TW B e: TAXIWAY Rank: P L		WAY B .00 (Ft) Wi d	Section: dth: 50.0	
L.C.D.: 1/1/1 Work Date	942 Us Work		TAXIV ength: 2,653 Cost	.00 (Ft) Wie Thickness	dth: 50.0 Major	110 Surface: AC 00 (Ft) True Area: 101,170.00 (SqFt) Comments
	942 Us Work Code IMPORT	e: TAXIWAY Rank: P L	ength: 2,653	.00 (Ft) Wie	dth: 50.	00 (Ft) True Area: 101,170.00 (SqFt)
Work Date	942 Us Work Code IMPORT ED	e: TAXIWAY Rank: P L	ength: 2,653 Cost	.00 (Ft) Wit Thickness (in) 2.00	dth: 50.0 Major M&R	00 (Ft) True Area: 101,170.00 (SqFt) Comments
Work Date 1/1/1942 1/1/1942	942 Us Work Code IMPORT ED IMPORT ED	e: TAXIWAY Rank: P L Work Description BUILT OVERLAY	ength: 2,653 Cost 0.00 0.00	.00 (Ft) Wit Thickness (in) 2.00 0.00	dth: 50. Major M&R ✓ ✓	00 (Ft) True Area: 101,170.00 (SqFt) Comments ? 2" AC ON 8" BASE? ESTIMATE 1942 AC PAVEMENT
Work Date 1/1/1942 1/1/1942 Network:	942 Us Work Code IMPORT ED IMPORT ED	e: TAXIWAY Rank: P L Work Description BUILT OVERLAY LEE REGI Branch: TW B	ength: 2,653 Cost 0.00 0.00 TAXIV	.00 (Ft) Wit Thickness (in) 2.00 0.00 WAY B	dth: 50.4 Major M&R V Section:	00 (Ft) True Area: 101,170.00 (SqFt) Comments ? 2" AC ON 8" BASE? ESTIMATE 1942 AC PAVEMENT 120 Surface: AC
Work Date 1/1/1942 1/1/1942 Network: L.C.D.: 11/1/	942 Us Work Code IMPORT ED IMPORT ED	e: TAXIWAY Rank: P L Work Description BUILT OVERLAY LEE REGI Branch: TW B se: TAXIWAY Rank: P L	ength: 2,653 Cost 0.00 0.00 TAXIV ength: 375	.00 (Ft) Wit Thickness (in) 2.00 0.00 WAY B	dth: 50.4 Major M&R V Section:	00 (Ft) True Area: 101,170.00 (SqFt) Comments ? 2" AC ON 8" BASE? ESTIMATE 1942 AC PAVEMENT 120 Surface: AC 00 (Ft) True Area: 12,050.00 (SqFt)
Work Date 1/1/1942 1/1/1942 Network: L.C.D.: 11/1/ Work Date	942 Us Work Code IMPORT ED IMPORT ED IMMOKA 2014 Us Work Code	e: TAXIWAY Rank: P L Work Description BUILT OVERLAY LEE REGI Branch: TW B se: TAXIWAY Rank: P L Work Description	ength: 2,653 Cost 0.00 0.00 TAXIV ength: 375 Cost	.00 (Ft) Wit Thickness (in) 2.00 0.00 WAY B .00 (Ft) Wit Thickness (in)	dth: 50.4 Major M&R Section: dth: 35.4 Major M&R	00 (Ft) True Area: 101,170.00 (SqFt) Comments ? 2" AC ON 8" BASE? ESTIMATE 1942 AC PAVEMENT 120 Surface: AC 00 (Ft) True Area: 12,050.00 (SqFt) Comments
Work Date 1/1/1942 1/1/1942 Network: L.C.D.: 11/1/	942 Us Work Code IMPORT ED IMPORT ED IMMOKA 2014 Us Work	e: TAXIWAY Rank: P L Work Description BUILT OVERLAY LEE REGI Branch: TW B se: TAXIWAY Rank: P L	ength: 2,653 Cost 0.00 0.00 TAXIV ength: 375	.00 (Ft) Wit Thickness (in) 2.00 0.00 WAY B .00 (Ft) Wit Thickness	dth: 50.4 Major M&R V Section: dth: 35.4 Major	00 (Ft) True Area: 101,170.00 (SqFt) Comments ? 2" AC ON 8" BASE? ESTIMATE 1942 AC PAVEMENT 120 Surface: AC 00 (Ft) True Area: 12,050.00 (SqFt)
Work Date 1/1/1942 1/1/1942 Network: L.C.D.: 11/1/ Work Date 11/1/2014 Network:	942 Us Work Code IMPORT ED IMPORT ED IMMOKA 2014 Us Work Code NC-AC	e: TAXIWAY Rank: P L Work Description BUILT OVERLAY LEE REGI Branch: TW B se: TAXIWAY Rank: P L Work Description New Construction - AC LEE REGI Branch: TW B	ength: 2,653 Cost 0.00 0.00 TAXIV ength: 375 Cost 0.00 TAXIV	.00 (Ft) Wit Thickness (in) 2.00 0.00 WAY B .00 (Ft) Wit Thickness (in) 0.00 WAY B	dth: 50.4 Major M&R V Section: dth: 35.4 Major M&R V Section:	00 (Ft) True Area: 101,170.00 (SqFt) Comments ? 2" AC ON 8" BASE? ESTIMATE 1942 AC PAVEMENT 120 Surface: AC 00 (Ft) True Area: 12,050.00 (SqFt) Comments 4" P-401; 6" P-211; 12" P-160 125 Surface: AC
Work Date 1/1/1942 1/1/1942 Network: L.C.D.: 11/1/ Work Date 11/1/2014	942 Us Work Code IMPORT ED IMPORT ED IMMOKA 2014 Us MOCKA 2014 Us	e: TAXIWAY Rank: P L Work Description BUILT OVERLAY LEE REGI Branch: TW B se: TAXIWAY Rank: P L Work Description New Construction - AC LEE REGI Branch: TW B	ength: 2,653 Cost 0.00 0.00 TAXIV ength: 375 Cost 0.00	.00 (Ft) Wit Thickness (in) 2.00 0.00 WAY B .00 (Ft) Wit Thickness (in) 0.00 WAY B .00 (Ft) Wit	dth: 50.4 Major M&R V Section: dth: 35.4 Section: dth: 35.4	00 (Ft) True Area: 101,170.00 (SqFt) Comments ? 2" AC ON 8" BASE? ESTIMATE 1942 AC PAVEMENT 120 Surface: AC 00 (Ft) True Area: 12,050.00 (SqFt) Comments 4" P-401; 6" P-211; 12" P-160
Work Date 1/1/1942 1/1/1942 Network: L.C.D.: 11/1/ Work Date 11/1/2014 Network:	942 Us Work Code IMPORT ED IMPORT ED IMMOKA 2014 Us Work Code NC-AC	e: TAXIWAY Rank: P L Work Description BUILT OVERLAY LEE REGI Branch: TW B se: TAXIWAY Rank: P L Work Description New Construction - AC LEE REGI Branch: TW B	ength: 2,653 Cost 0.00 0.00 TAXIV ength: 375 Cost 0.00 TAXIV	.00 (Ft) Wit Thickness (in) 2.00 0.00 WAY B .00 (Ft) Wit Thickness (in) 0.00 WAY B	dth: 50.4 Major M&R V Section: dth: 35.4 Major M&R V Section:	00 (Ft) True Area: 101,170.00 (SqFt) Comments ? 2" AC ON 8" BASE? ESTIMATE 1942 AC PAVEMENT 120 Surface: AC 00 (Ft) True Area: 12,050.00 (SqFt) Comments 4" P-401; 6" P-211; 12" P-160 125 Surface: AC
Work Date 1/1/1942 1/1/1942 Network: L.C.D.: 11/1/ Work Date 11/1/2014 Network: L.C.D.: 11/1/	942 Us Work Code IMPORT ED IMPORT ED IMMOKA 2014 Us NC-AC IMMOKA 2014 Us Work Code	e: TAXIWAY Rank: P L Work Description BUILT OVERLAY LEE REGI Branch: TW B se: TAXIWAY Rank: P L Work Description New Construction - AC LEE REGI Branch: TW B se: TAXIWAY Rank: P L	ength: 2,653 Cost 0.00 0.00 TAXIV ength: 375 Cost 0.00 TAXIV ength: 1,900	.00 (Ft) Win Thickness (in) 2.00 0.00 0.00 WAY B .00 (Ft) Win Chickness (in) 0.00 WAY B .00 (Ft) Win Chickness	dth: 50.4 Major M&R V Section: dth: 35.4 Major M&R V Section: dth: 35.4 Major	00 (Ft) True Area: 101,170.00 (SqFt) Comments ? 2" AC ON 8" BASE? ESTIMATE 1942 AC PAVEMENT 120 Surface: AC 00 (Ft) True Area: 12,050.00 (SqFt) Comments 4" P-401; 6" P-211; 12" P-160 125 Surface: AC 00 (Ft) True Area: 65,249.00 (SqFt)
Work Date 1/1/1942 1/1/1942 Network: L.C.D.: 11/1/ Work Date 11/1/2014 Network: L.C.D.: 11/1/ Work Date	942 Us Work Code IMPORT ED IMPORT ED IMMOKA 2014 Us Work Code NC-AC	e: TAXIWAY Rank: P L Work Description BUILT OVERLAY LEE REGI Branch: TW B se: TAXIWAY Rank: P L Work Description New Construction - AC LEE REGI Branch: TW B se: TAXIWAY Rank: P L Work Description New Construction - AC	ength: 2,653 Cost 0.00 0.00 TAXIV ength: 375 Cost 0.00 TAXIV ength: 1,900 Cost 0.00	.00 (Ft) Win Thickness (in) 2.00 0.00 WAY B .00 (Ft) Win Thickness (in) 0.00 WAY B .00 (Ft) Win Thickness (in)	dth: 50.4 Major M&R V Section: dth: 35.4 Major M&R C Section: dth: 35.4 Major M&R	00 (Ft) True Area: 101,170.00 (SqFt) Comments ? 2" AC ON 8" BASE? ESTIMATE 1942 AC PAVEMENT 120 Surface: AC 00 (Ft) True Area: 12,050.00 (SqFt) Comments 4" P-401; 6" P-211; 12" P-160 125 Surface: AC 00 (Ft) True Area: 65,249.00 (SqFt) Comments 4" P-401; 6" P-211; 12" P-160
Work Date 1/1/1942 1/1/1942 Network: L.C.D.: 11/1/ Work Date 11/1/2014 Network: L.C.D.: 11/1/ Work Date 11/1/2014	942 Us Work Code IMPORT ED IMPORT ED IMMOKA 2014 Us Work Code NC-AC IMMOKA	e: TAXIWAY Rank: P L Work Description BUILT OVERLAY LEE REGI Branch: TW B se: TAXIWAY Rank: P L Work Description New Construction - AC LEE REGI Branch: TW B se: TAXIWAY Rank: P L Work Description New Construction - AC LEE REGI Branch: TW B1	ength: 2,653 Cost 0.00 0.00 TAXIV ength: 375 Cost 0.00 TAXIV ength: 1,900 Cost 0.00	.00 (Ft) Wie Thickness (in) 2.00 0.00 0.00 WAY B .00 (Ft) Wie MAY B .00 (Ft) Wie Thickness (in) 0.00 WAY B	dth: 50.4 Major M&R V Section: dth: 35.4 Major M&R V Section: dth: 35.4 Major M&R V Section:	00 (Ft) True Area: 101,170.00 (SqFt) Comments ? 2" AC ON 8" BASE? ESTIMATE 1942 AC PAVEMENT 120 Surface: AC 00 (Ft) True Area: 12,050.00 (SqFt) Comments 4" P-401; 6" P-211; 12" P-160 125 Surface: AC 00 (Ft) True Area: 65,249.00 (SqFt) Comments 4" P-401; 6" P-211; 12" P-160
Work Date 1/1/1942 1/1/1942 Network: L.C.D.: 11/1/ Work Date 11/1/2014 Network: L.C.D.: 11/1/ Work Date 11/1/2014 Network: Nork Date 11/1/2014	942 Us Work Code IMPORT ED IMPORT ED IMMOKA 2014 Us Work Code NC-AC IMMOKA	e: TAXIWAY Rank: P L Work Description BUILT OVERLAY LEE REGI Branch: TW B se: TAXIWAY Rank: P L Work Description New Construction - AC LEE REGI Branch: TW B se: TAXIWAY Rank: P L Work Description New Construction - AC LEE REGI Branch: TW B1	ength: 2,653 Cost 0.00 0.00 TAXIV ength: 375 Cost 0.00 TAXIV ength: 1,900 Cost 0.00 TAXIV	.00 (Ft) Wie Thickness (in) 2.00 0.00 0.00 WAY B .00 (Ft) Wie MAY B .00 (Ft) Wie Thickness (in) 0.00 WAY B	dth: 50.4 Major M&R V Section: dth: 35.4 Major M&R V Section: dth: 35.4 Major M&R V Section:	00 (Ft) True Area: 101,170.00 (SqFt) Comments ? 2" AC ON 8" BASE? ESTIMATE 1942 AC PAVEMENT 120 Surface: AC 00 (Ft) True Area: 12,050.00 (SqFt) Comments 4" P-401; 6" P-211; 12" P-160 125 Surface: AC 00 (Ft) True Area: 65,249.00 (SqFt) Comments 4" P-401; 6" P-211; 12" P-160 415 Surface: AC

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		LEE REGI Branch: TW B2 se: TAXIWAY Rank: P L		WAY B2 0.00 (Ft) Wi d	Section: lth: 35.0	420 00 (Ft) True Area :	Surface: AC 45,468.00 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Com	ments
11/1/2014	NC-AC	New Construction - AC	0.00	0.00		4" P-401; 6" P-211;	12" P-160
Network: L.C.D.: 11/1/2				WAY B3 0.00 (Ft) Wi a	Section: 1th: 35.0	425 00 (Ft) True Area :	Surface: AC 21,549.00 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Com	ments
11/1/2014	NC-AC	New Construction - AC	0.00				
Network: L.C.D.: 1/1/19 Work Date 1/1/1998		LEE REGI Branch: TW C se: TAXIWAY Rank: S L Work Description New Construction - Initial	TAXF ength: 1,600 Cost 0.00	WAY C 0.00 (Ft) Wit Thickness (in) 0.00	Section: dth: 35.0 Major M&R	00 (Ft) True Area :	Surface: AC : 52,883.00 (SqFt) ments
Network:	IMMOKA	LEE REGI Branch: TW C	TAXI	WAY C	Section:	315	Surface: AC
L.C.D.: 1/1/2 Work Date	007 Us Work Code	se: TAXIWAY Rank: S L Work Description	ength: 2,100 Cost	0.00 (Ft) Wid Thickness (in)	ith: 35.0 Major M&R	00 (Ft) True Area: Com	73,566.00 (SqFt)
1/1/2007	NU-IN	New Construction - Initial	0.00				
Network: L.C.D.: 1/1/19		LEE REGI Branch: TW TC se: TAXIWAY Rank: T L) AP TAXI ength: 1,260	WAY TO C 0.00 (Ft) Wi ơ	Section: lth: 25.0	305 00 (Ft) True Area :	Surface: AC 33,633.00 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Com	ments
1/1/1987	IMPORT ED	BUILT	0.00	0.00		ESTIMATE 1987 A	C PAVEMENT

7/28/2017

Work History Report

Pavement Database: FDOT

Summary:

Work Description	Section Count	Area Total (SqFt)	Thickness Avg (in)	Thickness STD (in)
BUILT	16	1,314,858.00	0.50	0.87
Complete Reconstruction - AC	1	75,000.00	0.00	0.00
New Construction - AC	13	830,546.00	0.00	0.00
New Construction - Initial	4	203,822.00	0.00	0.00
OVERLAY	7	1,441,925.00	0.57	0.90

7/28/2017	Branch Condition Report Page 1 of 2											
		Pavement Dat	tabase: FDC	DT								
Branch ID	Number of Sections	Sum Section Length (Ft)	Avg Section Width (Ft)	True Area (SqFt)	Use	Average PCI	Standard Deviation PCI	Weighted Average PCI				
AP HANG	1	900.00	50.00	46,919.00	APRON	83.00	0.00	83.00				
AP RU RW2	1	400.00	60.00	25,727.00	APRON	94.00	0.00	94.00				
AP RU RW3	3	445.00	67.33	34,689.00	APRON	78.33	7.41	81.76				
AP RU RW9	1	500.00	60.00	31,086.00	APRON	94.00	0.00	94.00				
AP S	4	876.00	228.75	161,272.00	APRON	83.25	6.53	82.55				
CROP AP	1	100.00	100.00	10,000.00	APRON	33.00	0.00	33.00				
RW 18-36	4	13,575.00	62.50	658,457.00	RUNWAY	27.25	1.92	25.55				
RW 4-22	2	950.00	62.50	50,455.00	RUNWAY	33.50	0.50	33.32				
RW 9-27	1	5,000.00	100.00	500,000.00	RUNWAY	94.00	0.00	94.00				
TW A	2	4,900.00	42.50	239,004.00	TAXIWAY	59.50	34.50	29.87				
TW A1	1	469.00	50.00	23,396.00	TAXIWAY	20.00	0.00	20.00				
TW A2	2	1,400.00	35.00	47,841.00	TAXIWAY	94.00	0.00	94.00				
TW B	4	6,453.00	42.50	253,469.00	TAXIWAY	76.00	29.45	66.11				
TW B1	1	1,100.00	35.00	39,812.00	TAXIWAY	91.00	0.00	91.00				
TW B2	1	1,300.00	35.00	45,468.00	TAXIWAY	94.00	0.00	94.00				
TW B3	1	600.00	35.00	21,549.00	TAXIWAY	91.00	0.00	91.00				
TW C	2	3,700.00	35.00	126,449.00	TAXIWAY	82.00	1.00	82.16				
TW TO AP	1	1,260.00	25.00	33,633.00	TAXIWAY	61.00	0.00	61.00				

7/28/2017 Branch Condition Report Page 2 of 2 Pavement Database: FDOT										
Use Category	Number of Sections	Total Area (SqFt)	Arithmetic Average PCI	Average STD PCI	Weighted Average PCI					
APRON	11	309693.000094746	79.27	16.49	83.03					
RUNWAY	7	1208912.0003699	38.57	22.84	54.19					
TAXIWAY	15	830621.000253902	75.47	27.38	61.59					
ALL	33	2349226.00071854	68.91	28.15	60.61					

Last Const		orkId: Lanes 0 0 0 0 0 0 0	IMM True Area (SqFt) 46,919.00 25,727.00 9,779.00 6,046.00 18,864.00	Last Inspection Date 3/14/2017 3/14/2017 3/14/2017 3/14/2017	Age At Inspec tion 19 3 19	PCI 83 94
Branch ID Section ID Date Surface Use R AP HANG 4405 1/1/1998 AC APRON Integration Integratingration Integration	P T P T T T P	0 0 0 0 0 0	(SqFt) 46,919.00 25,727.00 9,779.00 6,046.00	Inspection Date 3/14/2017 3/14/2017 3/14/2017	Inspec tion 19 3	83
AP RU RW27 5105 11/1/2014 AC APRON AP RU RW36 4305 1/1/1998 AC APRON AP RU RW36 4310 1/1/2001 AC APRON AP RU RW36 4315 1/1/2002 AC APRON	T P T T P	0 0 0 0	25,727.00 9,779.00 6,046.00	3/14/2017 3/14/2017	3	
AP RU RW36 4305 1/1/1998 AC APRON AP RU RW36 4310 1/1/2001 AC APRON AP RU RW36 4315 1/1/2002 AC APRON	P P T T P	0 0 0	9,779.00 6,046.00	3/14/2017	-	94
AP RU RW36 4310 1/1/2001 AC APRON AP RU RW36 4315 1/1/2002 AC APRON	P T T P	0 0	6,046.00		19	
	T P		18,864.00		16	77 70
AP RU RW9 5205 11/1/2014 AC APRON	Р	0		3/14/2017	15	88
	-		31,086.00	3/14/2017	3	94
AP S 4205 1/1/1997 AC APRON AP S 4210 1/1/1998 AC APRON AP S 4215 7/31/2007 AC APRON	P	0 0 0	29,873.00 54,026.00 48,256.00	3/14/2017 3/14/2017 3/14/2017	20 19 10	78 76 87
AP S 4220 7/31/2007 AC APRON	Р	0	29,117.00	3/14/2017	10	92
CROP AP 4105 1/1/1987 AC APRON	Р	0	10,000.00	3/14/2017	30	33
RW 18-36 6105 1/1/1942 PCC RUNWAY RW 18-36 6110 1/1/1942 PCC RUNWAY RW 18-36 6115 1/1/1942 AC RUNWAY	P P P	0 0 0	30,000.00 15,000.00 406,752.00	3/14/2017 3/14/2017 3/14/2017	75 75 75	28 29 24
RW 18-36 6120 1/1/1942 AC RUNWAY	Р	0	206,705.00	3/14/2017	75	28
RW 4-22 6305 1/1/1942 PCC RUNWAY RW 4-22 6310 1/1/1942 PCC RUNWAY	S S	0 0	16,098.00 34,357.00	3/14/2017 3/14/2017	75 75	34 33
RW 9-27 6235 11/1/2014 AC RUNWAY	Р	0	500,000.00	3/14/2017	3	94
TW A 205 1/1/1942 AC TAXIWAY TW A 207 11/1/2014 AC TAXIWAY	P P	0 0	222,150.00 16,854.00	3/14/2017 3/14/2017	75 3	25 94
TW A1 210 1/1/1942 AC TAXIWAY	Р	0	23,396.00	3/14/2017	75	20
TW A2 225 11/1/2014 AC TAXIWAY TW A2 230 11/1/2014 AC TAXIWAY	P P	0 0	25,177.00 22,664.00	3/14/2017 3/14/2017	3 3	94 94
TW B 105 11/1/2014 AC TAXIWAY TW B 110 1/1/1942 AC TAXIWAY	P P	0 0	75,000.00 101,170.00	3/14/2017 3/14/2017	3 75	94 25
TW B 120 11/1/2014 AC TAXIWAY TW B 125 11/1/2014 AC TAXIWAY	P P	0 0	12,050.00 65,249.00	3/14/2017 3/14/2017	3 3	92 93
TW B1 415 11/1/2014 AC TAXIWAY	Р	0	39,812.00	3/14/2017	3	91
TW B2 420 11/1/2014 AC TAXIWAY	Р	0	45,468.00	3/14/2017	3	94
TW B3 425 11/1/2014 AC TAXIWAY	Р	0	21,549.00	3/14/2017	3	91
TW C 310 1/1/1998 AC TAXIWAY TW C 315 1/1/2007 AC TAXIWAY	S S	0 0	52,883.00 73,566.00	3/14/2017 3/14/2017	19 10	81 83
TW TO AP 305 1/1/1987 AC TAXIWAY	Т	0	33,633.00	3/14/2017	30	61

7/28/2017 Section Condition Report (Summary) Pavement Database: FDOT											
Age Category	Average Age at Inspection	Total Area (SqFt)	Number of Sections	Arithmetic Average PCI	Standard Deviation PCI	Weighted Average PCI					
03-05	3	880,636.00	12	93.25	1.16	93.69					
06-10	10	150,939.00	3	87.33	3.68	86.01					
11-15	15	18,864.00	1	88.00	0.00	88.00					
16-20	19	199,526.00	6	77.50	4.11	79.14					
26-30	30	43,633.00	2	47.00	14.00	54.58					
ALL	28	2,349,226.00	33	68.91	28.15	60.61					
Over 50	75	1,055,628.00	9	27.33	4.16	25.63					

Statewide Airfield Pavement Management Program



Appendix B

Airfield Pavement Localized Maintenance and Repair and Major Rehabilitation

Network ID	Branch ID	Section ID	Distress Code	Description	Severity	Distress Qty	Distress Unit	Percent Distress	Work Description	Work Qty	Work Unit	Unit Cost	Work Cost
ІММ	AP HANG	4405	52	RAVELING	Low	4627.84	SqFt	9.9%	FDOT - SURFACE SEAL	4627.41	SqFt	\$ 0.55	\$ 2,550.00
ІММ	AP RU RW36	4305	52	RAVELING	Low	1770.88	SqFt	18.1%	FDOT - SURFACE SEAL	1770.66	SqFt	\$ 0.55	\$ 980.00
IMM	AP RU RW36	4310	49	OIL SPILLAGE	N/A	75.02	SqFt	1.2%	FDOT - PATCHING - AC PARTIAL DEPTH	114.1	SqFt	\$ 3.00	\$ 350.00
IMM	AP RU RW36	4310	52	RAVELING	Low	2225.01	SqFt	36.8%	FDOT - SURFACE SEAL	2224.9	SqFt	\$ 0.55	\$ 1,230.00
IMM	AP RU RW36	4315	52	RAVELING	Low	877.37	SqFt	4.7%	FDOT - SURFACE SEAL	877.26	SqFt	\$ 0.55	\$ 490.00
IMM	AP S	4205	45	DEPRESSION	Low	71.69	SqFt	0.2%	FDOT - PATCHING - AC FULL DEPTH	109.79	SqFt	\$ 6.00	\$ 660.00
IMM	AP S	4205	49	OIL SPILLAGE	N/A	119.48	SqFt	0.4%	FDOT - PATCHING - AC PARTIAL DEPTH	167.92	SqFt	\$ 3.00	\$ 510.00
IMM	AP S	4205	52	RAVELING	Low	2987.31	SqFt	10.0%	FDOT - SURFACE SEAL	2986.99	SqFt	\$ 0.55	\$ 1,650.00
IMM	AP S	4210	52	RAVELING	Low	1480.68	SqFt	2.7%	FDOT - SURFACE SEAL	1481.11	SqFt	\$ 0.55	\$ 820.00
IMM	AP S	4220	57	WEATHERING	Medium	174.7	SqFt	0.6%	FDOT - SURFACE SEAL	174.38	SqFt	\$ 0.55	\$ 100.00
IMM	CROP AP	4105	43	BLOCK CR	Medium	399.99	SqFt	4.0%	FDOT - CRACK SEALING - AC	122.05	Ft	\$ 3.00	\$ 370.00
IMM	CROP AP	4105	45	DEPRESSION	Low	203.98	SqFt	2.0%	FDOT - PATCHING - AC FULL DEPTH	265.87	SqFt	\$ 6.00	\$ 1,600.00
IMM	CROP AP	4105	49	OIL SPILLAGE	N/A	100	SqFt	1.0%	FDOT - PATCHING - AC PARTIAL DEPTH	144.24	SqFt	\$ 3.00	\$ 440.00
IMM	CROP AP	4105	52	RAVELING	Medium	5000.05	SqFt	50.0%	FDOT - PATCHING - AC PARTIAL DEPTH	4999.84	SqFt	\$ 3.00	\$ 15,000.00
IMM	RW 18-36	6105	63	LINEAR CR	Medium	56	Slabs	58.3%	FDOT - CRACK SEALING - PCC	1049.87	Ft	\$ 4.25	\$ 4,470.00
IMM	RW 18-36	6105	65	JT SEAL DMG	Medium	96	Slabs	100.0%	FDOT - JOINT SEAL - PCC	3200.13	Ft	\$ 2.75	\$ 8,800.00
IMM	RW 18-36	6105	74	JOINT SPALL	Low	4	Slabs	4.2%	FDOT - CRACK SEALING - PCC	6.56	Ft	\$ 4.25	\$ 30.00
IMM	RW 18-36	6105	74	JOINT SPALL	Medium	10	Slabs	10.4%	FDOT - PATCHING - PCC PARTIAL DEPTH	64.58	SqFt	\$ 72.00	\$ 4,660.00
IMM	RW 18-36	6105	74	JOINT SPALL	High	4	Slabs	4.2%	FDOT - PATCHING - PCC PARTIAL DEPTH	32.29	SqFt	\$ 72.00	\$ 2,330.00
IMM	RW 18-36	6105	75	CORNER SPALL	Low	18	Slabs	18.8%	FDOT - CRACK SEALING - PCC	29.53	Ft	\$ 4.25	\$ 130.00
IMM	RW 18-36	6105	75	CORNER SPALL	Medium	16	Slabs	16.7%	FDOT - PATCHING - PCC PARTIAL DEPTH	43.06	SqFt	\$ 72.00	\$ 3,110.00
IMM	RW 18-36	6110	62	CORNER BREAK	Medium	2	Slabs	4.2%	FDOT - PATCHING - PCC FULL DEPTH	64.58	SqFt	\$ 100.00	\$ 6,460.00
IMM	RW 18-36	6110	63	LINEAR CR	Medium	22	Slabs	45.8%	FDOT - CRACK SEALING - PCC	412.4	Ft	\$ 4.25	\$ 1,760.00
IMM	RW 18-36	6110	65	JT SEAL DMG	Medium	48	Slabs	100.0%	FDOT - JOINT SEAL - PCC	1174.87	Ft	\$ 2.75	\$ 3,240.00
IMM	RW 18-36	6110	74	JOINT SPALL	Low	8	Slabs	16.7%	FDOT - CRACK SEALING - PCC	13.12	Ft	\$ 4.25	\$ 60.00
IMM	RW 18-36	6110	75	CORNER SPALL	Low	2	Slabs	4.2%	FDOT - CRACK SEALING - PCC	3.28	Ft	\$ 4.25	\$ 20.00
IMM	RW 18-36	6110	75	CORNER SPALL	High	2	Slabs	4.2%	FDOT - PATCHING - PCC PARTIAL DEPTH	5.38	SqFt	\$ 72.00	\$ 390.00
IMM	RW 18-36	6115	43	BLOCK CR	Medium	149801.56	SqFt	36.8%	FDOT - CRACK SEALING - AC	45659.45	Ft	\$ 3.00	\$ 136,980.00
IMM	RW 18-36	6115	48	L & T CR	Medium	24732.55	Ft	6.1%	FDOT - CRACK SEALING - AC	24732.61	Ft	\$ 3.00	\$ 74,200.00
IMM	RW 18-36	6115	52	RAVELING	Medium	406752.03	SqFt	100.0%	FDOT - PATCHING - AC PARTIAL DEPTH	406752	SqFt	\$ 3.00	\$ 1,220,260.00
IMM	RW 18-36	6120	43	BLOCK CR	Medium	68998.17	SqFt	33.4%	FDOT - CRACK SEALING - AC	21030.51	Ft	\$ 3.00	\$ 63,100.00
IMM	RW 18-36	6120	48	L & T CR	Medium	9417.68	Ft	4.6%	FDOT - CRACK SEALING - AC	9417.65	Ft	\$ 3.00	\$ 28,260.00
IMM	RW 18-36	6120	48	L & T CR	High	29.95	Ft	0.0%	FDOT - CRACK SEALING - AC	29.86	Ft	\$ 3.00	\$ 90.00
IMM	RW 18-36	6120	52	RAVELING	Medium	206704.97	SqFt	100.0%	FDOT - PATCHING - AC PARTIAL DEPTH	206704.8	SqFt	\$ 3.00	\$ 620,120.00
IMM	RW 4-22	6305	62	CORNER BREAK	Medium	1.92	Slabs	4.0%	FDOT - PATCHING - PCC FULL DEPTH	62.43	SqFt	\$ 100.00	\$ 6,210.00
IMM	RW 4-22	6305	63	LINEAR CR	Medium	13.44	Slabs	28.0%	FDOT - CRACK SEALING - PCC	251.97	Ft	\$ 4.25	\$ 1,080.00
IMM	RW 4-22	6305	65	JT SEAL DMG	High	48	Slabs	100.0%	FDOT - JOINT SEAL - PCC	1174.87	Ft	\$ 2.75	\$ 3,240.00
IMM	RW 4-22	6305	74	JOINT SPALL	Low	15.36	Slabs	32.0%	FDOT - CRACK SEALING - PCC	25.26	Ft	\$ 4.25	\$ 110.00

Table B-1 Localized Maintenance and Repair Needs based on Current Condition



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e Airfield Pave ent Program	ement Airport Pay Evaluation		7		Immokalee Regional Airport (IMM)								
Network ID	Branch ID	Section ID	Distress Code	Description	Severity	Distress Qty	Distress Unit	Percent Distress	Work Description	Work Qty	Work Unit	Unit Cost	Work C
IMM	RW 4-22	6305	74	JOINT SPALL	Medium	3.84	Slabs	8.0%	FDOT - PATCHING - PCC PARTIAL DEPTH	24.76	SqFt	\$ 72.00	\$ 1,7
ІММ	RW 4-22	6305	75	CORNER SPALL	Low	1.92	Slabs	4.0%	FDOT - CRACK SEALING - PCC	3.28	Ft	\$ 4.25	\$
ІММ	RW 4-22	6305	75	CORNER SPALL	Medium	13.44	Slabs	28.0%	FDOT - PATCHING - PCC PARTIAL DEPTH	36.6	SqFt	\$ 72.00	\$2,
IMM	RW 4-22	6310	62	CORNER BREAK	Medium	2.33	Slabs	2.1%	FDOT - PATCHING - PCC FULL DEPTH	75.35	SqFt	\$ 100.00	\$ 7
ІММ	RW 4-22	6310	63	LINEAR CR	Medium	44.33	Slabs	39.6%	FDOT - CRACK SEALING - PCC	831.36	Ft	\$ 4.25	\$ 3
IMM	RW 4-22	6310	65	JT SEAL DMG	High	112	Slabs	100.0%	FDOT - JOINT SEAL - PCC	3750	Ft	\$ 2.75	\$ 10
ІММ	RW 4-22	6310	66	SMALL PATCH	Medium	2.33	Slabs	2.1%	FDOT - PATCHING - PCC PARTIAL DEPTH	6.46	SqFt	\$ 72.00	\$
IMM	RW 4-22	6310	66	SMALL PATCH	High	2.33	Slabs	2.1%	FDOT - PATCHING - PCC PARTIAL DEPTH	6.46	SqFt	\$ 72.00	\$
ІММ	RW 4-22	6310	74	JOINT SPALL	Low	7	Slabs	6.3%	FDOT - CRACK SEALING - PCC	11.48	Ft	\$ 4.25	\$
IMM	RW 4-22	6310	74	JOINT SPALL	Medium	9.33	Slabs	8.3%	FDOT - PATCHING - PCC PARTIAL DEPTH	60.28	SqFt	\$ 72.00	\$ 4
ІММ	RW 4-22	6310	75	CORNER SPALL	Low	2.33	Slabs	2.1%	FDOT - CRACK SEALING - PCC	3.94	Ft	\$ 4.25	\$
IMM	RW 4-22	6310	75	CORNER SPALL	Medium	11.67	Slabs	10.4%	FDOT - PATCHING - PCC PARTIAL DEPTH	31.22	SqFt	\$ 72.00	\$ 2
ІММ	RW 4-22	6310	75	CORNER SPALL	High	4.67	Slabs	4.2%	FDOT - PATCHING - PCC PARTIAL DEPTH	12.92	SqFt	\$ 72.00	\$
IMM	TW A	205	43	BLOCK CR	Medium	181316.67	SqFt	81.6%	FDOT - CRACK SEALING - AC	55265.42	Ft	\$ 3.00	\$ 165
ІММ	TW A	205	48	L & T CR	Medium	1827.99	Ft	0.8%	FDOT - CRACK SEALING - AC	1828.08	Ft	\$ 3.00	\$5
IMM	TW A	205	50	PATCHING	High	101.5	SqFt	0.1%	FDOT - PATCHING - AC FULL DEPTH	146.39	SqFt	\$ 6.00	\$
ІММ	TW A	205	52	RAVELING	Low	8462.91	SqFt	3.8%	FDOT - SURFACE SEAL	8462.59	SqFt	\$ 0.55	\$4
IMM	TW A	205	52	RAVELING	Medium	213585.58	SqFt	96.1%	FDOT - PATCHING - AC PARTIAL DEPTH	213586.1	SqFt	\$ 3.00	\$ 640
ІММ	TW A1	210	43	BLOCK CR	Medium	22694.09	SqFt	97.0%	FDOT - CRACK SEALING - AC	6917.32	Ft	\$ 3.00	\$ 20
ІММ	TW A1	210	50	PATCHING	High	701.91	SqFt	3.0%	FDOT - PATCHING - AC FULL DEPTH	812.68	SqFt	\$ 6.00	\$ 4
ІММ	TW A1	210	52	RAVELING	Medium	22694.09	SqFt	97.0%	FDOT - PATCHING - AC PARTIAL DEPTH	22694.63	SqFt	\$ 3.00	\$ 68
ІММ	TW B	110	43	BLOCK CR	Medium	58702.28	SqFt	58.0%	FDOT - CRACK SEALING - AC	17892.39	Ft	\$ 3.00	\$ 53
ІММ	TW B	110	50	PATCHING	Medium	40.69	SqFt	0.0%	FDOT - PATCHING - AC FULL DEPTH	69.97	SqFt	\$ 6.00	\$
IMM	TW B	110	52	RAVELING	Medium	101129.31	SqFt	100.0%	FDOT - PATCHING - AC PARTIAL DEPTH	101129.1	SqFt	\$ 3.00	\$ 303
ІММ	TW C	310	52	RAVELING	Low	732.05	SqFt	1.4%	FDOT - SURFACE SEAL	731.95	SqFt	\$ 0.55	\$
ІММ	TW TO AP	305	48	L & T CR	Medium	1345.31	Ft	4.0%	FDOT - CRACK SEALING - AC	1345.47	Ft	\$ 3.00	\$ 4
ІММ	TW TO AP	305	57	WEATHERING	Medium	33633.02	SqFt	100.0%	FDOT - SURFACE SEAL	33632.91	SqFt	\$ 0.55	\$ 18



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Appendix B B-2

Report 2017



Table	B-2	10-Year	Major	Rehabilitation	Planning	Needs	at	Section	Level	
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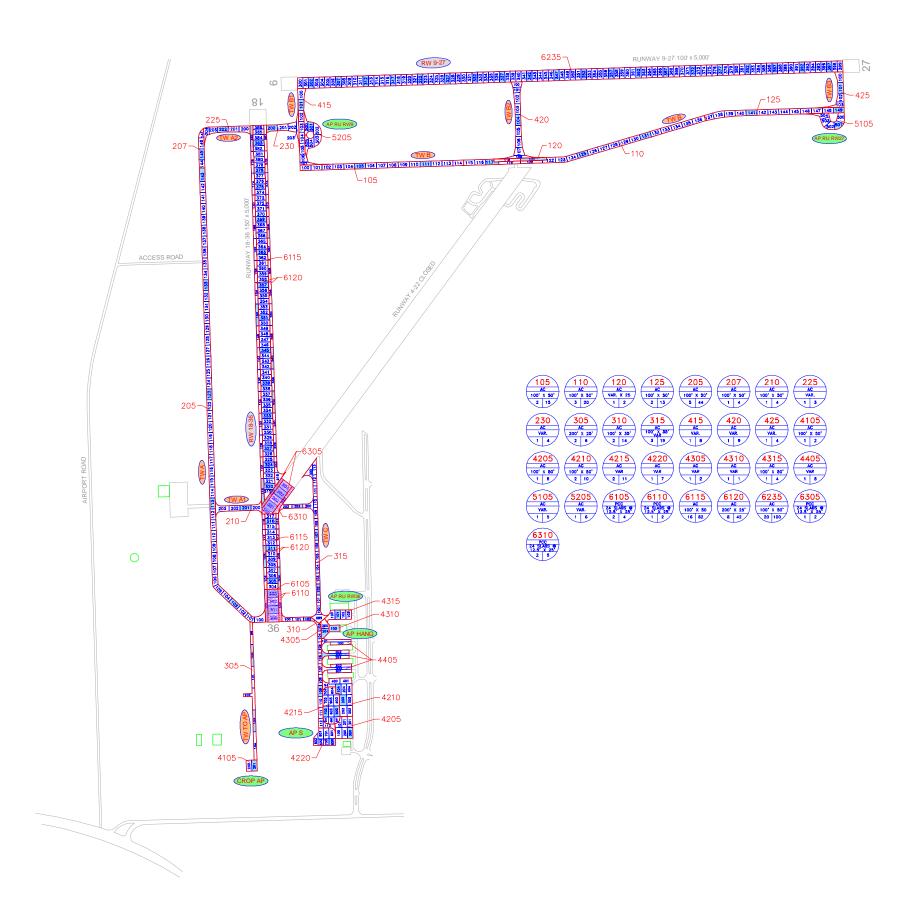
Program Year	Network ID	Branch ID	Section ID	Surface	Area (SF)	PCI Before	Rehabilitation Type	Planning Cost
2018	ІММ	CROP AP	4105	AC	10,000	31	AC Reconstruction	\$ 91,000.00
2018	IMM	RW 18-36	6105	PCC	30,000	27	PCC Reconstruction	\$ 451,000.00
2018	IMM	RW 18-36	6110	PCC	15,000	28	PCC Reconstruction	\$ 226,000.00
2018	IMM	RW 18-36	6115	AC	406,752	22	AC Reconstruction	\$ 3,661,000.00
2018	IMM	RW 18-36	6120	AC	206,705	26	AC Reconstruction	\$ 1,861,000.00
2018	IMM	RW 4-22	6305	PCC	16,098	33	PCC Reconstruction	\$ 242,000.00
2018	IMM	RW 4-22	6310	PCC	34,357	32	PCC Reconstruction	\$ 516,000.00
2018	IMM	TW A	205	AC	222,150	23	AC Reconstruction	\$ 2,000,000.00
2018	IMM	TW A1	210	AC	23,396	17	AC Reconstruction	\$ 211,000.00
2018	IMM	TW B	110	AC	101,170	23	AC Reconstruction	\$ 911,000.00
2018	IMM	TW TO AP	305	AC	33,633	60	AC Restoration	\$ 236,000.00
2021	IMM	AP RU RW36	4310	AC	6,046	63	AC Restoration	\$ 43,000.00
2025	IMM	AP RU RW36	4305	AC	9,779	64	AC Restoration	\$ 69,000.00
2025	IMM	AP S	4210	AC	54,026	63	AC Restoration	\$ 379,000.00
2026	IMM	AP S	4205	AC	29,873	64	AC Restoration	\$ 210,000.00

Statewide Airfield Pavement Management Program



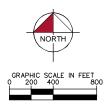
Appendix C

Technical Exhibits

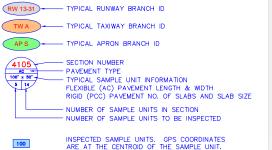




FDOT

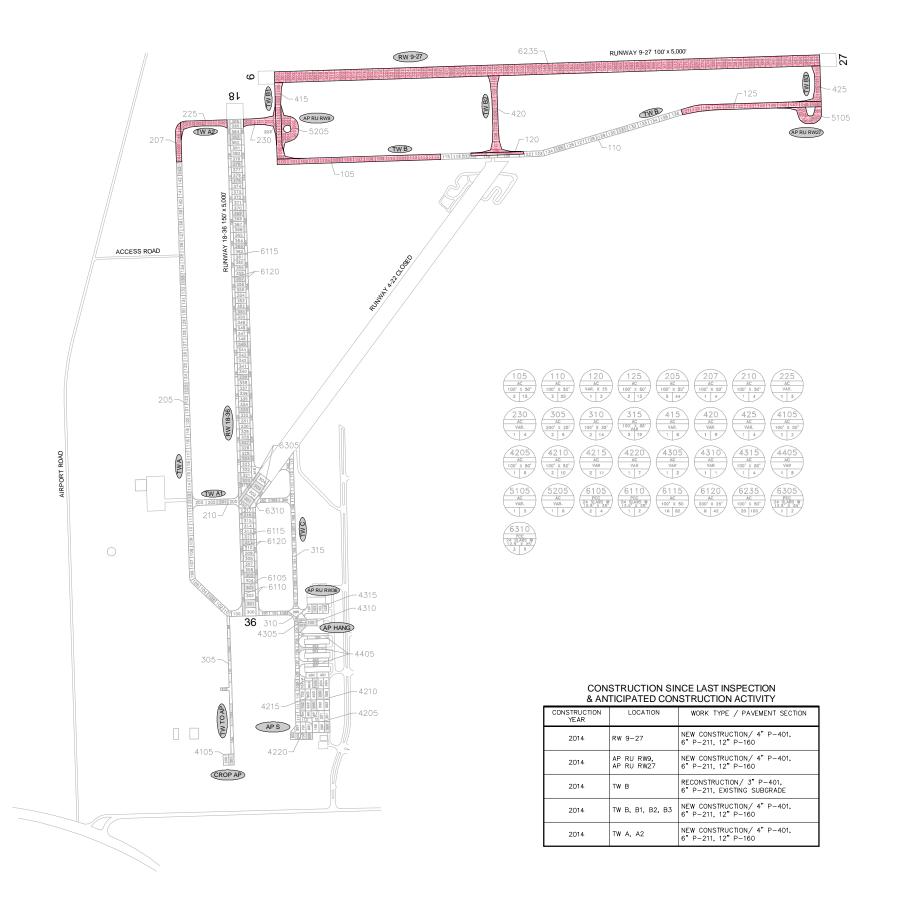


LEGEND



TOTAL SAMPLES INSPECTED = 90 AC: 84 PCC: 6

RUNWAY LENGTHS DEPICTED IN THIS DRAWING ARE FOR PAVEMENT MANAGEMENT PURPOSES ONLY AND MAY NOT MATCH PUBLISHED RUNWAY LENGTHS.



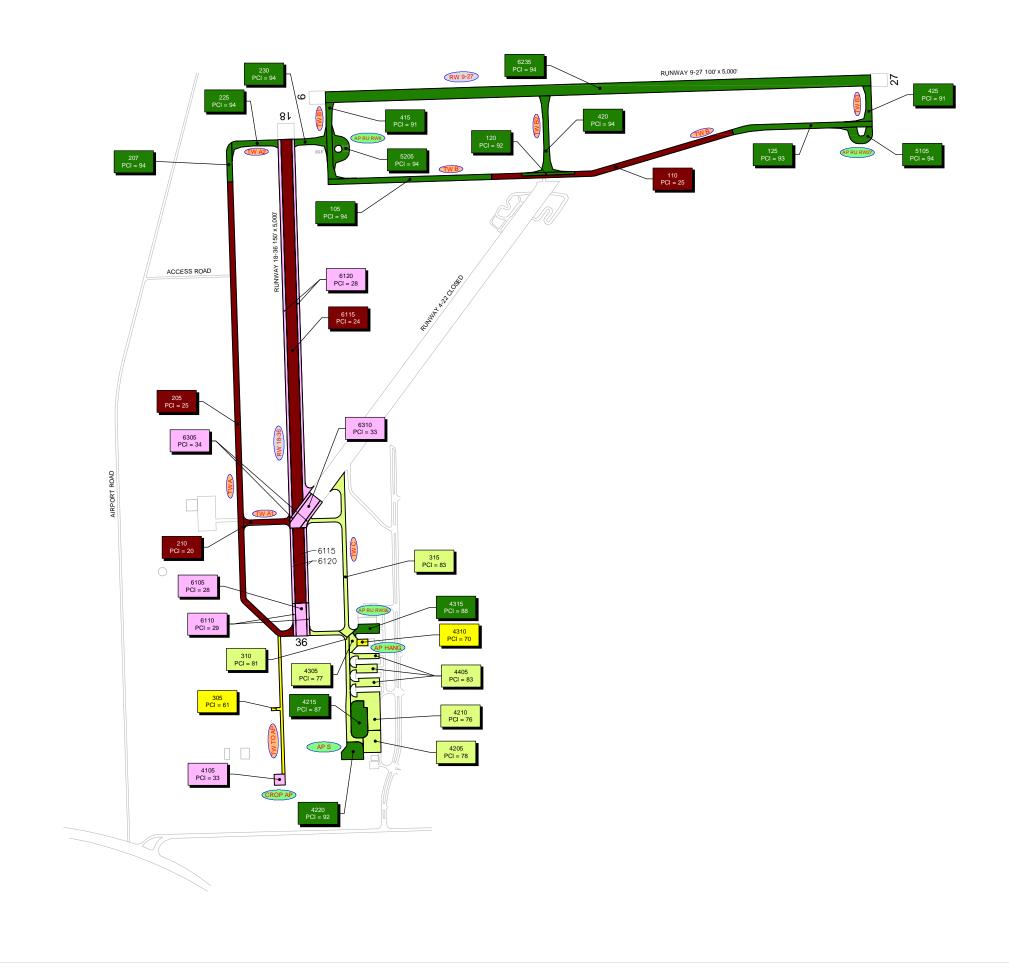


SCALE IN FEE1

<u>LEGEND</u>

	PROJECTS	YEAR	2013
	PROJECTS	YEAR	2014
	PROJECTS	YEAR	2015
	PROJECTS	YEAR	2016
012012000000	PROJECTS	YEAR	2017
	PROJECTS	YEAR	2018
	PROJECTS	YEAR	2019
	PROJECTS	YEAR	2020
	PROJECTS	YEAR	2021
	PROJECTS	YEAR	2022

RUNWAY LENGTHS DEPICTED IN THIS DRAWING ARE FOR PAVEMENT MANAGEMENT PURPOSES ONLY AND MAY NOT MATCH PUBLISHED RUNWAY LENGTHS.













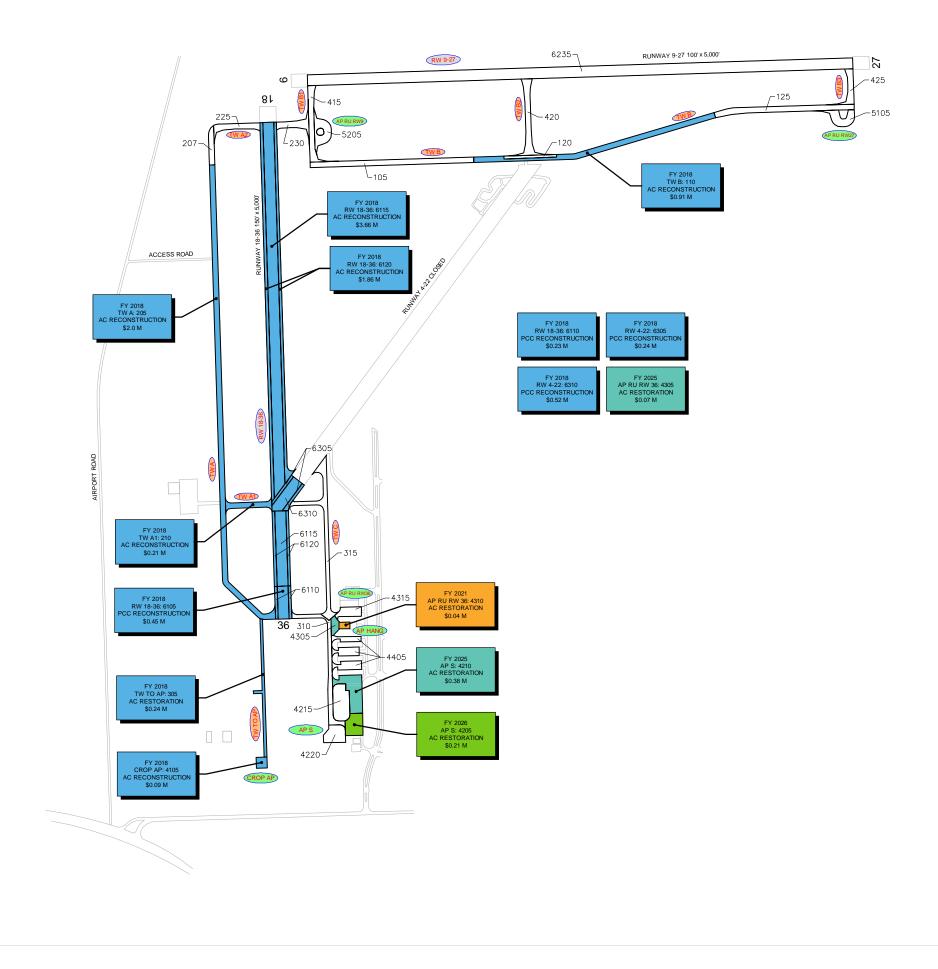
LEGEND

DIN 40.04

RW 13-31	- TYPICAL RUNWAY BRANCH ID
TWA	- TYPICAL TAXIWAY BRANCH ID
AP S	- TYPICAL APRON BRANCH ID
	PCI 86-100 GOOD
	PCI 71-85 SATISFACTORY
	PCI 56-70 FAIR
	PCI 41-55 POOR
	PCI 26-40 VERY POOR
	PCI 11-25 SERIOUS
	PCI 0-10 FAILED

RUNWAY LENGTHS DEPICTED IN THIS DRAWING ARE FOR PAVEMENT MANAGEMENT PURPOSES ONLY AND MAY NOT MATCH PUBLISHED RUNWAY LENGTHS.

SECTION NO "PCI NO."





FDOT



LEGEND

RW 13-31 - TYPICAL RUNWAY BRANCH ID
TWA TYPICAL TAXIWAY BRANCH ID
AP S TYPICAL APRON BRANCH ID

PROGRAM YEAR





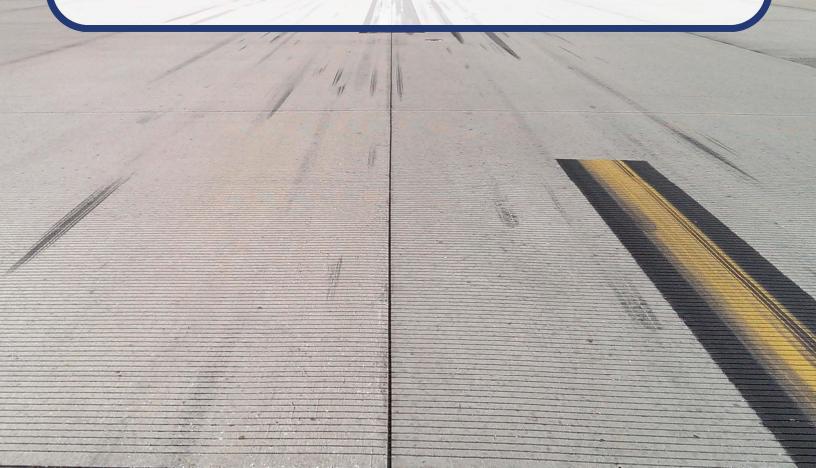
RUNWAY LENGTHS DEPICTED IN THIS DRAWING ARE FOR PAVEMENT MANAGEMENT PURPOSES ONLY AND MAY NOT MATCH PUBLISHED RUNWAY LENGTHS.

Statewide Airfield Pavement Management Program

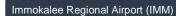


Appendix D

Inspection Photograph Documentation



Airport Pavement **2017** Evaluation Report







Runway 18-36, Section 6105, Sample Unit 301 – Medium Severity (63) Longitudinal, Transverse, and Diagonal Cracking, Medium Severity (65) Joint Seal Damage, Low Severity (74) Joint Spalling



Runway 18-36, Section 6115, Sample Unit 324 – Medium Severity (43) Block Cracking, Low and Medium Severity (48) Longitudinal and Transverse Cracking, Medium Severity (52) Raveling

Airport Pavement 2017 Evaluation Report





Runway 18-36, Section 6120, Sample Unit 150 – Low Severity (43) Block Cracking, Medium Severity (43) Block Cracking, Medium Severity (52) Raveling

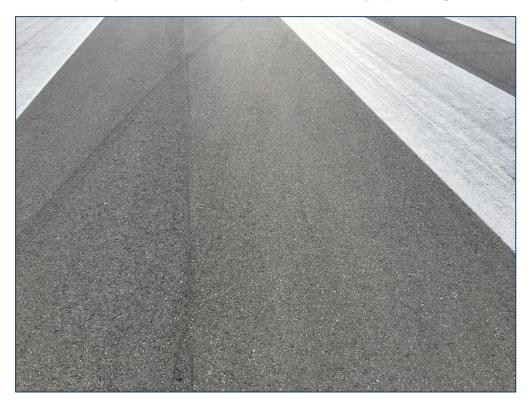


Runway 18-36, Section 6115, Sample Unit 383 – Medium Severity (43) Block Cracking, Low Severity (48) Longitudinal and Transverse Cracking, Medium Severity (52) Raveling

Airport Pavement 2017 Evaluation Report



Runway 9-27, Section 6235, Sample Unit 312 - Low Severity (57) Weathering



Runway 9-27, Section 6235, Sample Unit 397 - Low Severity (57) Weathering

FDO

11





Taxiway A, Section 205, Sample Unit 103 – Low Severity (43) Block Cracking, Medium Severity (43) Block Cracking, High Severity (50) Patching, Medium Severity (52) Raveling



Taxiway A, Section 205, Sample Unit 133 – Low Severity (43) Block Cracking, Medium Severity (43) Block Cracking, Medium Severity (48) Longitudinal and Transverse Cracking, Medium Severity (52) Raveling



Taxiway A, Section 207, Sample Unit 145 - Low Severity (57) Weathering



Taxiway A1, Section 210, Sample Unit 201– Low Severity (43) Block Cracking, High Severity (50) Patching, Medium Severity (52) Raveling

Airport Pavement 2017 Evaluation Report





Taxiway B, Section 105, Sample Unit 105 - Low Severity (57) Weathering



Taxiway B, Section 110, Sample Unit 117 – Low Severity (43) Block Cracking, Medium Severity (43) Block Cracking, Low Severity (48) Longitudinal and Transverse Cracking, Medium Severity (52) Raveling

Airport Pavement 2017 Evaluation Report





Taxiway B, Section 110, Sample Unit 119 – Depression. Sample Unit not inspected.



Taxiway B, Section 125, Sample Unit 149 - Low Severity (48) Longitudinal and Transverse Cracking, Low Severity (57) Weathering

Airport Pavement 2017 Evaluation Report





Crop Apron, Section 4105, Sample Unit 201 – Low Severity (43) Block Cracking, Low Severity (45) Depression, Low Severity (56) Swelling



South Apron, Section 4205, Sample Unit 300 – Low Severity (48) Longitudinal and Transverse Cracking, (49) Oil Spillage, Low Severity (52) Raveling, Low Severity (57) Weathering



South Apron, Section 4210, Sample Unit 104 – Low Severity (48) Longitudinal and Transverse Cracking, Low Severity (50) Patching, Low Severity (52) Raveling, Low Severity (57) Weathering



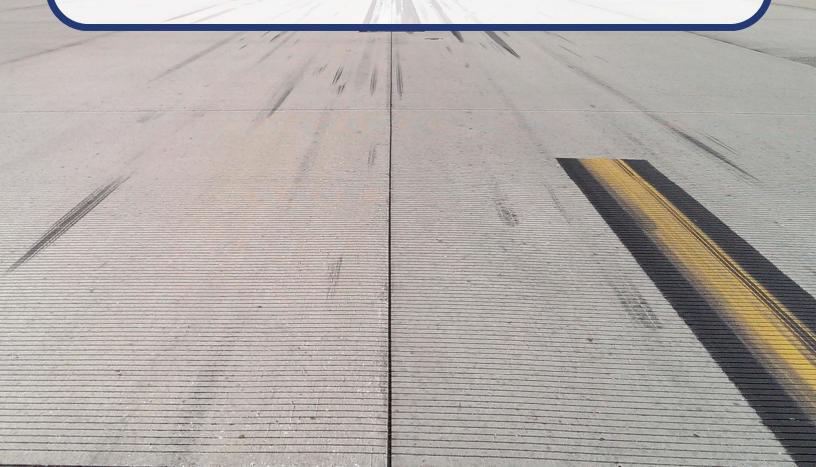
Apron to Hangars, Section 4405, Sample Unit 200 – Low Severity (48) Longitudinal and Transverse Cracking, Low Severity (52) Raveling, Low Severity (57) Weathering

Statewide Airfield Pavement Management Program



Appendix E

Inspection Distress Details



Re-Inspection Report

FDOT									
Generated	l Date		7/28/2017						Page 1 of
Network:	IMM			Na	me: IMM	IOKALEE F	REGIONAL AIRPO	DRT	
Branch:	AP HANG		Name:	APRON TO	HANGARS	Use:	APRON	Area:	46,919 SqFt
Section:	4405	0	f 1	From: -			То: -		Last Const.: 1/1/1998
Surface:	AC	Family:	C9N59-GA-A	P-AC Zor	ne:		Category:		Rank: P
Area:	46,9	19 SqFt	Length:	900	Ft	Width:	50 Ft		
Slabs:		Slab Ler	ngth:	Ft	Slab Width:		Ft	Joint Length	: Ft
Shoulder:		Street T	ype:		Grade: 0			Lanes: 0	
Section Co	omments:								
Work Dat	e: 1/1/1998	W	ork Type: BUI	LT		С	ode: IMPORTED	Is Major	M&R: True
Last Insp.	Date: 3/14/201	17	Totals	Samples: 8		Surveye	e d: 1		
Condition	s: PCI: 83								
Inspection	Comments: Sa	ample geome	etry was updated	to comply with A	STM standards.				
Sample Nu	umber: 200	Ty	pe: R	Area:	6083	.00 SqFt	PCI:	83	
Sample Co	omments:								
48 L&	& T CR		L	5.00 Ft					
57 WE	EATHERING		L	5483.00 SqFt					

 57
 WEATHERING
 L
 5483.00
 SqFt

 52
 RAVELING
 L
 600.00
 SqFt

Network:	IMM			Name:	IMMOKALEE I	REGIONAL AIRPOR	RT	
Branch:	AP RU RW2	27	Name:	APRON RUN-UP	RW 27 Use:	APRON	Area:	25,727 SqFt
Section:	5105	of	1 F	rom: -		То: -		Last Const.: 11/1/2014
Surface:	AC	Family: (C9N59-GA-AH	P-AC Zone:		Category:		Rank: T
Area:	25,7	27 SqFt	Length:	400 Ft	Width:	60 Ft		
Slabs:		Slab Lengt	h:	Ft Slat	o Width:	Ft	Joint Length	n: Ft
Shoulder:		Street Type	:	Gra	de: 0		Lanes: 0)
Section Cor	mments:							
Work Date:	: 11/1/2014	Worl	k Type: New	Construction - AC	C	ode: NC-AC	Is Major	r M&R: True
Last Insp. I	Date: 3/14/201	17	TotalSa	amples: 5	Survey	ed: 1		
Conditions:	: PCI: 94							
Inspection (Comments:							
Sample Nur	mber: 501	Туре:	R	Area:	4762.00 SqFt	PCI: 94	4	
Sample Cor	mments:							
57 WEA	ATHERING		L	4762.00 SqFt				

Network:	IMM			Nan	ne: IMN	IOKALEE R	EGIONAL AIRPO	RT	
Branch:	AP RU H	W36	Name:	APRON RUN	I-UP RW 36	Use:	APRON	Area:	34,689 SqFt
Section:	4305	of	f 3 Fr	om: -			То: -		Last Const.: 1/1/1998
Surface:	AC	Family:	C9N59-GA-AP-	AC Zon	e:		Category:		Rank: P
Area:		9,779 SqFt	Length:	180 F	₹t	Width:	50 Ft		
Slabs:		Slab Len	gth:	Ft	Slab Width:		Ft	Joint Length	: Ft
Shoulder:		Street Ty	/pe:		Grade: 0			Lanes: 0	
Section Co	mments:								
Work Date	: 1/1/1998	We	ork Type: BUILT			Co	ode: IMPORTED	Is Major	M&R: True
Last Insp.	Date: 3/14	/2017	TotalSar	mples: 2		Surveye	d: 1		
Conditions	: PCI:	77							
	Commonto	Geometry upda	ated due to field ve	erification.					
Inspection	Comments:								
	mber: 201		e: R	Area:	4970	0.00 SqFt	PCI: 7	7	
Sample Nu	mber: 201		e: R	Area:	4970	0.00 SqFt	PCI: 7	7	
Sample Nu Sample Co	mber: 201		De: R	Area: 60.00 Ft	4970	0.00 SqFt	PCI: 7	7	
Sample Nu Sample Co 48 L &	mber: 201 mments:		T		4970	0.00 SqFt	PCI: 7	7	

Network:	IMM			Name:	IMMOKALEE I	REGIONAL AIRPC	RT	
Branch:	AP RU RW	/36	Name:	APRON RUN-UP	RW 36 Use:	APRON	Area:	34,689 SqFt
Section:	4310	o	f 3 F	rom: -		То: -		Last Const.: 1/1/2002
Surface:	AC	Family:	C9N59-GA-AP	-AC Zone:		Category:		Rank: P
Area:	6	,046 SqFt	Length:	80 Ft	Width:	66 Ft		
Slabs:		Slab Len	igth:	Ft Sla	b Width:	Ft	Joint Length	: Ft
Shoulder:		Street Ty	ype:	Gr	ade: 0		Lanes: 0	
Section Co	omments:							
Work Date	e: 1/1/2001	W	ork Type: New (Construction - AC	(Code: NC-AC	Is Major	M&R: True
Last Insp.]	Date: 3/14/2	017	TotalSa	mples: 1	Survey	ed: 1		
Conditions	s: PCI: 7	0						
Inspection	Comments:							
Sample Nu	mber: 100	Тур	pe: R	Area:	6046.00 SqFt	PCI:	70	
Sample Co	omments:							
49 OIL	L SPILLAGE		Ν	75.00 SqFt				
	ATHERING		L	3821.00 SqFt				
57 WE								
	VELING		L	2225.00 SqFt				

Network:	IMM			Nam	e: IMN	IOKALEE R	EGIONAL AIRP	ORT		
Branch:	AP RU RW	36	Name:	APRON RUN-	UP RW 36	Use:	APRON	Area:	34,689	SqFt
Section:	4315	of	3 F	rom: -			To: -		Last	Const.: 1/1/2002
Surface:	AC	Family:	C9N59-GA-AP	-AC Zone	:		Category:		Rank	: Т
Area:	18,	864 SqFt	Length:	185 Ft		Width:	86 Ft			
Slabs:		Slab Leng	th:	Ft	Slab Width:		Ft	Joint L	ength:	Ft
Shoulder:		Street Typ	e:		Grade: 0			Lanes:	0	
Section Co	mments:									
Work Date	: 1/1/2002	Wor	k Type: New (Construction - AC		С	ode: NC-AC	Is N	Major M&R:	True
-	Date: 3/14/20	17	TotalSa	mples: 4		Surveye	d: 1			
Conditions Inspection	: PCI: 88 Comments:									
Sample Nu	mber: 101	Туре	: R	Area:	4300).00 SqFt	PCI:	88		
Sample Co	mments:									
57 WE	ATHERING		L	4100.00 SqFt						
52 RAV	VELING		L	200.00 SqFt						

Network:	IMM			Name:	IMMOKALEE I	REGIONAL AIRPOR	RT	
Branch:	AP RU R	W9	Name:	APRON RUN-UP	RW 9 Use:	APRON	Area:	31,086 SqFt
Section:	5205	0	f 1 F	rom: -		То: -		Last Const.: 11/1/2014
Surface:	AC	Family:	C9N59-GA-AP	-AC Zone:		Category:		Rank: T
Area:	3	31,086 SqFt	Length:	500 Ft	Width:	60 Ft		
Slabs:		Slab Ler	igth:	Ft Sla	b Width:	Ft	Joint Length	n: Ft
Shoulder:		Street T	ype:	Gr	ade: 0		Lanes: 0)
Section Cor	mments:							
Work Date	: 11/1/2014	W	ork Type: New	Construction - AC	(Code: NC-AC	Is Majo	r M&R: True
Last Insp. I	Date: 3/14/	/2017	TotalSa	mples: 6	Survey	ed: 1		
Conditions:	: PCI:	94						
Inspection (Comments:							
Sample Nu	mber: 501	Туј	e: R	Area:	4417.00 SqFt	PCI: 94	4	
Sample Cor	mments:							
57 WEA	ATHERING		L	4417.00 SqFt				

Network:	IMM				Name	: IMN	MOKALEE R	EGIONAL AIRPO	RT		
Branch:	AP S		Name:		H APRO NG RAM		Use:	APRON	Area:	161,272 Sq	lFt
Section:	4205	0	f 4	From: -				То: -		Last Co	onst.: 1/1/1997
Surface:	AC	Family:	C9N59-GA-	AP-AC	Zone			Category:		Rank:	Р
Area:		29,873 SqFt	Lengtl	ı:	140 Ft		Width:	200 Ft			
Slabs:		Slab Ler	ngth:	Ft	5	Slab Width:		Ft	Joint L	ength:	Ft
Shoulder:		Street T	ype:		(Grade: 0			Lanes:	0	
Section Co	omments:										
Work Dat	te: 1/1/1997	w	ork Type: BU	JILT			C	ode: IMPORTED	Is N	Major M&R: Tr	rue
Last Insp.	Date: 3/1	4/2017	Tota	lSamples:	5		Surveye	d: 1			
Condition	s: PCI:	78									
Inspectior	n Comments	S:									
Sample N	umber: 30	00 Ty]	pe: R	A	rea:	5000).00 SqFt	PCI: 7	78		
Sample C	omments:										
49 OI	L SPILLAG	E	Ν	20.00	SqFt						
48 L&	& T CR		L	7.00	-						
52 RA	VELING		L	500.00							
57 WI	EATHERIN	G	L	4500.00							
45 DE	EPRESSION		L	12.00	C. E.						

Network:	IMM				Ν	ame:	IMMOKALEE R	EGIONAL AIRF	ORT			
Branch:	AP S		N	lame:	SOUTH AI	PRON AND RAMPS	Use:	APRON	Area:	10	61,272 SqFt	
Section:	4210	of	4	Fro	om: -			То: -			Last Const.:	1/1/1998
Surface:	AC	Family:	C9N5	9-GA-AP-A	C Z	one:		Category:			Rank: P	
Area:	54,	026 SqFt		Length:	210	5 Ft	Width:	355 Ft				
Slabs:		Slab Len	gth:		Ft	Slab Wie	lth:	Ft	Joi	nt Length:	F	t
Shoulder:	:	Street Ty	pe:			Grade:	0		La	nes: 0		
Section C	omments:											
Work Dat	te: 1/1/1998	We	ork Ty	pe: BUILT			C	ode: IMPORTE	D	Is Major M	M&R: True	
Last Insp.	. Date: 3/14/20	17		TotalSam	ples: 10		Surveye	d: 2				
Condition	ns: PCI: 76	5										
Inspection	n Comments:											
Sample N	umber: 104	Тур	e:	R	Area:		4584.00 SqFt	PCI:	63			
•	umber: 104	Тур	e:	R	Area:		4584.00 SqFt	PCI:	63			
Sample C		Тур	e: L	R			4584.00 SqFt	PCI:	63			
Sample C 43 BL	comments:	Тур		R	Area: 110.00 SqF 600.00 SqF	ït	4584.00 SqFt	PCI:	63			
Sample C 43 BL 50 PA	comments: LOCK CR	Тур	L	R	110.00 SqF	't 't	4584.00 SqFt	PCI:	63			
Sample C 43 BL 50 PA 52 RA	Comments: LOCK CR ATCHING	Тур	L L	R	110.00 SqF 600.00 SqF	't 't	4584.00 SqFt	PCI:	63			
Sample C 43 BL 50 PA 52 RA 48 L a	Comments: LOCK CR ATCHING AVELING	Тур	L L L		110.00 SqF 600.00 SqF 300.00 SqF	't 't 't	4584.00 SqFt	PCI:	63			
Sample C 43 BL 50 PA 52 RA 48 L & 57 WI	Comments: LOCK CR ATCHING AVELING & T CR	Тур	L L L L L		110.00 SqF 600.00 SqF 300.00 SqF 137.00 Ft	't 't 't	4584.00 SqFt 6800.00 SqFt	PCI:				
Sample C 43 BL 50 PA 52 RA 48 L & 57 WI Sample N	Comments: LOCK CR ATCHING AVELING & T CR EATHERING		L L L L L		110.00 SqF 600.00 SqF 300.00 SqF 137.00 Ft 3684.00 SqF	't 't 't						
Sample C 43 BL 50 PA 52 RA 48 La 57 WI Sample N Sample C	Comments: LOCK CR ATCHING AVELING & T CR EATHERING (umber: 203		L L L L L	R	110.00 SqF 600.00 SqF 300.00 SqF 137.00 Ft 3684.00 SqF	it it it						
Sample C 43 BL 50 PA 52 RA 48 La 57 Wi Sample N Sample C 57 Wi	Comments: LOCK CR ATCHING AVELING & T CR EATHERING (umber: 203 Comments:		L L L L E	R	110.00 SqF 600.00 SqF 300.00 SqF 137.00 Ft 3684.00 SqF Area:	it it it						

Network:	IMM			Ν	Name: IM	IMOKALEE R	EGIONAL AIRPO	RT	
Branch:	AP S		Name	: SOUTH A FUELING	PRON AND RAMPS	Use:	APRON	Area:	161,272 SqFt
Section:	4215	0	f 4	From: -			То: -		Last Const.: 7/31/200
Surface:	AC	Family:	C9N59-G4	A-AP-AC Z	Zone:		Category:		Rank: P
Area:		48,256 SqFt	Leng	gth: 34	0 Ft	Width:	160 Ft		
Slabs:		Slab Ler	igth:	Ft	Slab Width	:	Ft	Joint Lengt	h: Ft
Shoulder:		Street T	ype:		Grade:	0		Lanes:	0
Section Cor	mments:								
Work Date	· 7/31/200)7 W	ork Type: 1	New Construction - 1	Initial	C	ode: NU-IN	Is Majo	or M&R: True
WOIR Date	• 7/51/200		orn ryper -						
				talSamples: 11		Surveye	ed: 2		
Last Insp. I	Date: 3/1	4/2017				Surveye	d: 2		
Last Insp. I Conditions	Date: 3/1 : PCI:	4/2017 87				Surveye	d: 2		
Last Insp. I Conditions: Inspection (Date: 3/1 : PCI: Comment:	87 s:	То			Surveye	d: 2 PCI: 8	7	
Last Insp. I Conditions: Inspection (Sample Nut	Date: 3/1 : PCI: Comment: mber: 50	14/2017 87 s:	To To De: R	talSamples: 11				7	
Last Insp. I Conditions: Inspection Sample Nur Sample Cor	Date: 3/1 : PCI: Comment: mber: 50	14/2017 87 s: 02 Tyj	To To De: R	talSamples: 11				7	
Last Insp. I Conditions: Inspection 0 Sample Nut Sample Con 48 L &	Date: 3/1 : PCI: Comment: mber: 50 mments:	14/2017 87 s: 02 Tyj CHECK ARE,	To De: R A	talSamples: 11 Area	: 52:			7	
Last Insp. I Conditions: Inspection 0 Sample Nut Sample Con 48 L &	Date: 3/1 : PCI: Comment: mber: 50 mments: T CR ATHERIN	14/2017 87 s: 02 Tyj CHECK ARE G	To To De: R A L L	talSamples: 11 Area 117.00 Ft	: 52: Ft				
Last Insp. I Conditions: Inspection (Sample Nur Sample Cor 48 L & 57 WE/	Date: 3/1 : PCI: Comments: mber: 50 mments: T CR ATHERIN mber: 70	14/2017 87 s: 02 Tyj CHECK ARE G	To To De: R A L L	talSamples: 11 Area 117.00 Ft 5250.00 Sql	: 52: Ft	50.00 SqFt	PCI: 8		
Last Insp. I Conditions: Inspection (Sample Nur Sample Cor 48 L & 57 WE/ Sample Nur Sample Cor	Date: 3/1 : PCI: Comments: mber: 50 mments: T CR ATHERIN mber: 70	14/2017 87 s: 02 Tyj CHECK ARE G	To To De: R A L L	talSamples: 11 Area 117.00 Ft 5250.00 Sql	: 52: Ft	50.00 SqFt	PCI: 8		

Network:	IMM			Name:	IMMOKALEE R	EGIONAL AIRPOF	RT	
Branch:	AP S		Name:	SOUTH APRON A FUELING RAMPS	ND Use:	APRON	Area:	161,272 SqFt
Section:	4220	to	4 F	rom: -		То: -		Last Const.: 7/31/2007
Surface:	AC	Family:	C9N59-GA-AH	P-AC Zone:		Category:		Rank: P
Area:		29,117 SqFt	Length:	180 Ft	Width:	200 Ft		
Slabs:		Slab Len	gth:	Ft Slab	Width:	Ft	Joint Le	ngth: Ft
Shoulder:		Street Ty	pe:	Grad	le: 0		Lanes:	0
Section Co	omments:							
Work Dat	te: 7/31/20	07 W	ork Type: New	Construction - Initial	C	ode: NU-IN	Is M	lajor M&R: True
Last Insp.	Date: 3/2	14/2017	TotalSa	mples: 7	Surveye	d: 1		
Condition	s: PCI:	92						
Inspection	n Comment	s:						
Sample N	umber: 7	01 Typ	e: R	Area:	5000.00 SqFt	PCI: 92	2	
Sample Co	omments:							
57 WI	EATHERIN	ſĠ	L	4970.00 SqFt				
57 WI	EATHERIN	IG	Μ	30.00 SqFt				

Network: I	MM			Ν	ame: IMN	MOKALEE R	EGIONAL AIRPOR	Г	
Branch: (CROP AP		Name:	CROP APR	RON	Use:	APRON	Area:	10,000 SqFt
Section: 410	5	of	1 Fr	om: -			То: -		Last Const.: 1/1/1987
Surface: AC		Family: (C9N59-GA-AP-A	AC Z	one:		Category:		Rank: P
Area:	10,000	SqFt	Length:	100	0 Ft	Width:	100 Ft		
Slabs:		Slab Lengt	th:	Ft	Slab Width:		Ft	Joint Length:	: Ft
Shoulder:		Street Typ	e:		Grade: 0			Lanes: 0	
Section Comm	ents:								
Work Date: 1/	/1/1987	Wor	k Type: BUILT			С	ode: IMPORTED	Is Major	M&R: True
Last Insp. Date	e: 3/14/2017		TotalSan	nples: 2		Surveye	d: 1		
Conditions:	PCI: 33					-			
Conditions: Inspection Con						-			
Inspection Con	nments:	Туре:	: R	Area:	: 5000	0.00 SqFt	PCI: 33		
Inspection Con Sample Numbe	nments: er: 201	Туре:	: R	Area:	: 5000	0.00 SqFt	PCI: 33		
	nments: er: 201 ents:	Туре:	: R N	Area: 50.00 SqF		0.00 SqFt	PCI: 33		
Inspection Con Sample Numbe Sample Comm 49 OIL SPI	nments: er: 201 ents: LLAGE	Туре:	-	50.00 SqF	² t	0.00 SqFt	PCI: 33		
Inspection Con Sample Numbe Sample Comm 49 OIL SPI 43 BLOCK	ents: LLAGE CR	Туре:	N		řt řt	0.00 SqFt	PCI: 33		
Inspection Con Sample Numbe Sample Comm 49 OIL SPI 43 BLOCK 45 DEPRE	ents: 201 ents: LLAGE CR SSION	Туре:	N L	50.00 SqF 880.00 SqF	řt řt	0.00 SqFt	PCI: 33		
Inspection Con Sample Numbe Sample Comm 49 OIL SPI 43 BLOCK 45 DEPRE	ents: 201 ents: LLAGE CR SSION R	Туре:	N L L L	50.00 SqF 880.00 SqF 102.00 SqF	řt řt řt	0.00 SqFt	PCI: 33		
Inspection Con Sample Numbe Sample Comm 49 OIL SPI 43 BLOCK 45 DEPRE 48 L & T C	ents: 201 ents: LLAGE CR SSION R ING	Туре:	N L L L	50.00 SqF 880.00 SqF 102.00 SqF 384.00 Ft	7t 7t 7t 7t	0.00 SqFt	PCI: 33		

Netwo	ork: IMM				Name:	IMMOKALEE	REGIONAL AIRPO	ORT		
Bran	ch: RW 18-36		Name:	RUNWA	Y 18-36	Use:	RUNWAY	Area:	658,457 SqFt	
Sectio	on: 6105	of 4	↓]	From: -			То: -		Last Const.:	1/1/1942
Surfa	ice: PCC	Family: C	9N59-GA-R	W-TW-PCC	Zone:		Category:		Rank: P	
Area:	: 30,00	0 SqFt	Length:	3	00 Ft	Width:	100 Ft			
Slabs	: 96	Slab Length	:	13 Ft	Slab V	Vidth:	25 Ft	Joint I	Length: 3,200 Ft	
Shoul	lder:	Street Type	:		Grade	e: 0		Lanes	. 0	
Sectio	on Comments:									
Work	A Date: 1/1/1942	Work	Type: BUII	LT			Code: IMPORTEI) Is	Major M&R: True	
Last 1	Insp. Date: 3/14/2017	7	TotalS	amples: 4		Survey	ved: 2			
Cond	itions: PCI: 28									
Inspe	ection Comments:									
Samp	ole Number: 301	Туре:	R	Are	1:	24.00 Slabs	PCI:	31		
Samp	ole Comments:									
63	LINEAR CR		М	8.00 SI	abs					
65	JT SEAL DMG		М	24.00 SI						
73	SHRINKAGE CR		N	24.00 SI						
74	JOINT SPALL		L	2.00 SI						
74	JOINT SPALL		M	3.00 SI						
75	CORNER SPALL		L	7.00 SI						
75 74	CORNER SPALL JOINT SPALL		M H	2.00 SI 2.00 SI						
-	ole Number: 303	Туре:	R	Are		24.00 Slabs	PCI:	25		
-	ole Comments:	-, Per					- 52			
63	LINEAR CR		М	20.00 SI	abs					
65	JT SEAL DMG		M	24.00 SI						
73	SHRINKAGE CR		N	24.00 SI						
74	JOINT SPALL		M		abs					
75	CORNER SPALL		M		abs					
75	CORNER SPALL		L	2.00 SI						

Network: IMM		Name:	IMMOKALEE RI	EGIONAL AIRPORT	Г	
Branch: RW 18-36	Name:	RUNWAY 18-36	Use:	RUNWAY	Area:	658,457 SqFt
Section: 6110	of 4 Fi	rom: -		То: -		Last Const.: 1/1/1942
Surface: PCC F	amily: C9N59-GA-RW	-TW-PCC Zone:		Category:		Rank: P
Area: 15,000	SqFt Length:	600 Ft	Width:	25 Ft		
Slabs: 48	Slab Length:	13 Ft Slab W	idth:	25 Ft	Joint Length	: 1,175 Ft
Shoulder:	Street Type:	Grade:	0		Lanes: 0	
Section Comments:						
Work Date: 1/1/1942	Work Type: BUILT	Т	Co	de: IMPORTED	Is Maior	M&R: True
	from 19per Della	1	Cu		15 1/10/01	
Last Insp. Date: 3/14/2017		mples: 2	Surveyed		15 1010301	
Last Insp. Date: 3/14/2017 Conditions: PCI: 29					15 1914 [91	
•					15 114430	
Conditions: PCI: 29					15 114430	
Conditions: PCI: 29 Inspection Comments:	TotalSa	mples: 2	Surveyed	1: 1	<u></u>	
Conditions: PCI: 29 Inspection Comments: Sample Number: 100	TotalSa	mples: 2	Surveyed	1: 1		
Conditions: PCI: 29 Inspection Comments: Sample Number: 100 Sample Comments:	TotalSa Type: R	mples: 2 Area:	Surveyed	1: 1	15 // 40/04	
Conditions: PCI: 29 Inspection Comments: Sample Number: 100 Sample Comments: 62 CORNER BREAK	TotalSa Type: R M	mples: 2 Area: 1.00 Slabs	Surveyed	1: 1		
Conditions: PCI: 29 Inspection Comments: Sample Number: 100 Sample Comments: 62 CORNER BREAK 63 LINEAR CR	TotalSa Type: R M L	mples: 2 Area: 1.00 Slabs 9.00 Slabs	Surveyed	1: 1		
Conditions: PCI: 29 Inspection Comments: Sample Number: 100 Sample Comments: 62 CORNER BREAK 63 LINEAR CR 65 JT SEAL DMG	TotalSa Type: R M L M	mples: 2 Area: 1.00 Slabs 9.00 Slabs 24.00 Slabs	Surveyed	1: 1		
Conditions: PCI: 29 Inspection Comments: Sample Number: 100 Sample Comments: 62 CORNER BREAK 63 LINEAR CR 65 JT SEAL DMG 73 SHRINKAGE CR	TotalSa Type: R M L M N	mples: 2 Area: 1.00 Slabs 9.00 Slabs 24.00 Slabs 24.00 Slabs 20.00 Slabs	Surveyed	1: 1		
Conditions: PCI: 29 Inspection Comments: Sample Number: 100 Sample Comments: 62 CORNER BREAK 63 LINEAR CR 65 JT SEAL DMG 73 SHRINKAGE CR 74 JOINT SPALL	TotalSa Type: R M L M N L	mples: 2 1.00 Slabs 9.00 Slabs 24.00 Slabs 20.00 Slabs 4.00 Slabs 4.00 Slabs	Surveyed	1: 1		

Network: IMM		Name:	IMMOKALEE REGIO	ONAL AIRPORT	T
Branch: RW 18-36	Name:	RUNWAY 18-36	Use: RU	UNWAY	Area: 658,457 SqFt
Section: 6115	of 4 F	From: -		То: -	Last Const.: 1/1/1942
Surface: AC Fan	amily: C9N59-GA-RV	W-AC Zone:		Category:	Rank: P
Area: 406,752 Sq	qFt Length:	4,225 Ft	Width:	100 Ft	
Slabs: Sla	lab Length:	Ft Slab W	Width:	Ft	Joint Length: Ft
Shoulder: Sta	treet Type:	Grade	e: 0		Lanes: 0
Section Comments:	-				
Work Date: 1/1/1942	Work Type: OVE		Code:	IMPORTED	Is Major M&R: True
Work Date: 1/1/1942	Work Type: OVE			IMPORTED	Is Major M&R: True
Work Date: 1/1/1942	Work Type: BUIL			IMPORTED	Is Major M&R: True
Last Insp. Date: 3/14/2017		Samples: 82	Surveyed.	1.0	
-	10(a)57	amples: 82	Surveyed:	16	
Conditions: PCI: 24					
Inspection Comments:					
Sample Number: 305	Type: R	Area:	5000.00 SqFt	PCI: 23	
Sample Comments:					
43 BLOCK CR	L	1700.00 SqFt			
43 BLOCK CR	М	3300.00 SqFt			
52 RAVELING	M	5000.00 SqFt			
Sample Number: 311	Type: R	Area:	5000.00 SqFt	PCI: 23	
Sample Comments:					
43 BLOCK CR	L	1250.00 SqFt			
43 BLOCK CR	M	3750.00 SqFt			
52 RAVELING	M Triper P	5000.00 SqFt	~		
Sample Number: 316	Type: R	Area:	5000.00 SqFt	PCI: 23	
Sample Comments:					
43 BLOCK CR	L	1750.00 SqFt			
43 BLOCK CR 48 L & T CR	M	2500.00 SqFt 25.00 Et			
48 L & T CR 48 L & T CR	L M	25.00 Ft 75.00 Ft			
52 RAVELING	M	5000.00 SqFt			
Sample Number: 320	Type: R	Area:	4829.00 SqFt	PCI: 25	,
Sample Comments:	- v x				
43 BLOCK CR	М	1750.00 SqFt			
43 BLOCK CR 48 L & T CR	M L	40.00 Ft			
48 L & T CR	М	310.00 Ft			
52 RAVELING	М	4829.00 SqFt			
Sample Number: 324	Type: R	Area:	5000.00 SqFt	PCI: 22	
Sample Comments:					
43 BLOCK CR	М	2500.00 SqFt			
48 L & T CR	L	40.00 Ft			
48 L & T CR 52 PAVELING	M M	330.00 Ft 5000.00 SaEt			
52 RAVELING Sample Number: 327	M Type: P	5000.00 SqFt		PCI: 22	
Sample Number: 327 Sample Comments:	Type: R	Area:	5000.00 SqFt	rui, 22	
43 BLOCK CR	М	2500.00 SqFt			
48 L & T CR	L	64.00 Ft			
48 L & T CR	М	320.00 Ft			
52 RAVELING	M	5000.00 SqFt			
Sample Number: 333	Type: R	Area:	5000.00 SqFt	PCI: 23	
Sample Comments:					
43 BLOCK CR	М	1750.00 SqFt			F 44
48 L & T CR	L	65.00 Ft			E-14

48	L & T CR		М	395.00	Ft		
52	RAVELING		M	5000.00			
Samp	le Number: 339	Type:		R A	Area:	5000.00 SqFt	PCI: 22
Samp	le Comments:						
43	BLOCK CR		М	1750.00	SqFt		
48	L & T CR		L	108.00			
48	L & T CR		М	390.00			
52	RAVELING		М	5000.00		5000.00 G E	
-	le Number: 345 le Comments:	Type:		R A	Area:	5000.00 SqFt	PCI: 24
_							
43 48	BLOCK CR L & T CR		M L	1000.00 191.00	-		
48	L&TCR		M	460.00			
52	RAVELING		M	5000.00			
Samp	le Number: 351	Type:		R A	Area:	5000.00 SqFt	PCI: 23
Samp	le Comments:						
43	BLOCK CR		М	2100.00	SqFt		
48	L & T CR		L	87.00	-		
48	L & T CR		М	320.00	Ft		
52	RAVELING		М	5000.00	SqFt		
Samp	le Number: 357	Type:		R A	Area:	5000.00 SqFt	PCI: 23
Samp	le Comments:						
43	BLOCK CR		М	1500.00	SqFt		
48	L & T CR		L	112.00			
48	L & T CR		Μ	406.00			
52	RAVELING		М	5000.00	SqFt		
Samp	le Number: 363	Type:		R A	Area:	5000.00 SqFt	PCI: 24
Samp	le Comments:						
43	BLOCK CR		М	1000.00	SqFt		
48	L & T CR		L	128.00	-		
48	L & T CR		М	433.00	Ft		
52	RAVELING		М	5000.00	SqFt		
Samp	le Number: 369	Type:		R A	Area:	5000.00 SqFt	PCI: 24
Samp	le Comments:						
43	BLOCK CR		М	1000.00	SqFt		
48	L & T CR		L	94.00			
48	L & T CR		M	492.00			
52	RAVELING		М	5000.00			
_	le Number: 375	Type:		R A	Area:	5000.00 SqFt	PCI: 24
Samp	le Comments:						
43	BLOCK CR		М	1000.00			
48	L & T CR		L	146.00			
48	L & T CR		М	430.00			
52	RAVELING		М	5000.00			
-	le Number: 378	Type:		R A	Area:	5000.00 SqFt	PCI: 28
Samp	le Comments:						
43	BLOCK CR		М	1000.00			
48	L & T CR		L	132.00			
48	L & T CR		M	219.00			
52 Same	RAVELING	π	М	5000.00		5000 00 8-E 4	BCL 27
-	ole Number: 383 ole Comments:	Type:		R A	Area:	5000.00 SqFt	PCI: 27
-							
43	BLOCK CR		М	1000.00			
48	L & T CR		L M	187.00			
48 52	L & T CR RAVELING		M M	274.00 5000.00			
52	KA VELINU		111	5000.00	Sqrt		

Netwo	ork: IMM			Name:	IMMOKALEE R	EGIONAL AIRPOR	T
Branc	ch: RW 18-36		Nam	ne: RUNWAY 18-36	Use:	RUNWAY	Area: 658,457 SqFt
Sectio	on: 6120	of 4	+	From: -		То: -	Last Const.: 1/1/1942
Surfa	ice: AC I	Family: C9	9N59-C	GA-RW-AC Zone:		Category:	Rank: P
Area:	206,705	• SqFt	Len	ngth: 8,450 Ft	Width:	25 Ft	
Slabs	:	Slab Length:	1:	Ft Slab	o Width:	Ft	Joint Length: Ft
Shoul		Street Type:	:	Grad	ide: 0		Lanes: 0
Sectio	on Comments:						
Work	x Date: 1/1/1942	Work	Type:	OVERLAY	Co	ode: IMPORTED	Is Major M&R: True
Work	x Date: 1/1/1942	Work	Туре:	BUILT		ode: IMPORTED	Is Major M&R: True
	Insp. Date: 3/14/2017		 T [,]	CotalSamples: 42	Surveyed	d: 8	
	itions: PCI: 28						
Inspe	ection Comments:						
Samp	ble Number: 108	Type:	R	Area:	5000.00 SqFt	PCI: 25	,
Samp	ole Comments:						
43	BLOCK CR		М	5000.00 SqFt			
52	RAVELING		M	5000.00 SqFt			
Samp	ble Number: 118	Type:	R	Area:	5542.00 SqFt	PCI: 23	
Samp	ble Comments:						
43	BLOCK CR		L	2217.00 SqFt			
43	BLOCK CR		М	3325.00 SqFt			
52 Somp	RAVELING		M	5542.00 SqFt	7000 00 G ~Et	BCI. 25	-
-	ble Number: 150	Type:	R	Area:	5000.00 SqFt	PCI: 25	
_	ole Comments:						
43 43	BLOCK CR BLOCK CR		L M	500.00 SqFt 4500.00 SqFt			
43 52	BLOCK CR RAVELING		M M	4500.00 SqFt 5000.00 SqFt			
	ble Number: 182	Type:	R	-	5875.00 SqFt	PCI: 28	j
-	ole Comments:						
48	L & T CR		L M	440.00 Ft			
48 48	L & T CR L & T CR		M H	393.00 Ft 6.00 Ft			
48 52	RAVELING		M	5875.00 SqFt			
Samp	ble Number: 504	Type:	R		5000.00 SqFt	PCI: 27	
Samp	le Comments:						
43	BLOCK CR		L	4000.00 SqFt			
43 52	BLOCK CR RAVELING		M M	1000.00 SqFt 5000.00 SqFt			
	ble Number: 534	Туре:	R		5000.00 SqFt	PCI: 30	 1
_	le Comments:	- v 1			5000012		
48	L & T CR		L	185.00 Ft			
48 52	L & T CR PAVELING		M M	600.00 Ft 5000.00 SaEt			
52 Samn	RAVELING ble Number: 542	Туре:	M R	5000.00 SqFt	5000.00 SqFt	PCI: 33	,
_	ble Number: 542 ble Comments:	1 / pc.	**	Arta.	JUUU.UU 541 1	1 (1)	
48	L & T CR		L	234.00 Ft			
48	L & T CR		М	400.00 Ft			
52	RAVELING		M	5000.00 SqFt			
-	ole Number: 566 ole Comments:	Туре:	R	Area:	5000.00 SqFt	PCI: 34	
_			÷	07.00 E4			
48 48	L & T CR L & T CR		L M	85.00 Ft 494.00 Ft			E-16
52	RAVELING		M	5000.00 SqFt			L

Network:	IMM				Name	e: IMN	MOKALEE F	EGIONAL AIRPO	ORT	
Branch:	RW 4-2	22	Nam	e: RUNV	VAY 4-22	2	Use:	RUNWAY	Area:	50,455 SqFt
Section:	6305		of 2	From:	-			To: -		Last Const.: 1/1/194
Surface:	PCC	Family:	C9N59-C	A-RW-TW-PCC	C Zone	:		Category:		Rank: S
Area:		16,098 SqFt	Len	gth:	600 Ft		Width:	25 Ft		
Slabs:	48	Slab Le	ength:	13 Ft	:	Slab Width:		25 Ft	Joint Lei	ngth: 1,175 Ft
Shoulder:		Street 7	Гуре:			Grade: 0			Lanes:	0
Section Co	omments:									
Work Date	e: 1/1/1942	v	Vork Type:	BUILT				ode: IMPORTEI		
			vork rype.	DOILI			C			ajor M&R: True
Last Insp.	Date: 3/14		••	otalSamples:	2		C Surveye			ajor M&K: Irue
Last Insp.		4/2017	••		2					ajor M&K: Irue
Conditions		4/2017 34	••		2					ajor M&K: Irue
Conditions Inspection	s: PCI:	4/2017 34 ::	••	otalSamples:	2 Area:	2:				ajor M&K: True
Conditions Inspection	s: PCI: Comments umber: 10	4/2017 34 ::	T	otalSamples:		25	Surveye	s d: 1		ajor M&K: True
Conditions Inspection Sample Nu Sample Co	s: PCI: Comments umber: 10	4/2017 34 s: 00 Ty	T	otalSamples:		25	Surveye	s d: 1		ajor M&K: True
Conditions Inspection Sample Nu Sample Co	s: PCI: Comments umber: 10 omments:	4/2017 34 s: 00 Ty	ype: R	otalSamples:	Area:	25	Surveye	s d: 1		ajor M&K: True
Conditions Inspection Sample Nu Sample Co 62 COI 63 LIN	s: PCI: Comments umber: 10 omments: PRNER BRE	4/2017 34 s: 00 Ty	T 7pe: R M	otalSamples: 	Area: Slabs	25	Surveye	s d: 1		ajor M&K: True
Conditions Inspection Sample Nu Sample Co 62 CO 63 LIN 63 LIN	s: PCI: Comments Imber: 10 Imments: RNER BRE NEAR CR	4/2017 34 3: 00 Ty	T T T T T T T T T T T T T T T T T T T	otalSamples:	Area: Slabs Slabs	25	Surveye	s d: 1		ajor M&K: True
Conditions Inspection Sample Nu Sample Co 63 LIN 63 LIN 65 JT S	s: PCI: Comments umber: 10 omments: RNER BRE NEAR CR NEAR CR	4/2017 34 3: 00 Ty CAK	T T T T T T T T T T T T T T T T T T T	otalSamples: 1.00 6.00 7.00 25.00	Area: Slabs Slabs Slabs Slabs	25	Surveye	s d: 1		ajor M&K: True
Conditions Inspection Sample Nu Sample Co 62 CO 63 LIN 63 LIN 65 JT 5 73 SHI	s: PCI: Comments Imber: 10 Omments: RNER BRE NEAR CR NEAR CR SEAL DMG	4/2017 34 3: 00 Ty CR	T T T T T T T T T T T T T T T T T T T	otalSamples: 1.00 6.00 7.00 25.00 14.00	Slabs Slabs Slabs Slabs Slabs Slabs	25	Surveye	s d: 1		ajor M&K: True
Conditions Inspection Sample Nu Sample Co 62 CO 63 LIN 63 LIN 63 LIN 65 JT \$ 73 SHI 74 JOI	s: PCI: Comments umber: 10 omments: RNER BRE NEAR CR NEAR CR SEAL DMG RINKAGE (4/2017 34 3: 00 Ty CR	T T T T T T T T T T T T T T T T T T T	otalSamples: 1.00 6.00 7.00 25.00 14.00 8.00	Area: Slabs Slabs Slabs Slabs Slabs Slabs	2	Surveye	s d: 1		ajor M&K: True
Conditions Inspection Sample Nu Sample Co 62 CO 63 LIN 63 LIN 65 JT S 73 SHI 74 JOI 74 JOI	s: PCI: Comments umber: 10 omments: RNER BRE NEAR CR NEAR CR SEAL DMG RINKAGE (INT SPALL	4/2017 34 32 30 Ty 20 Ty 24K 3 CR	T T T T T T T T T T T T T T T T T T T	otalSamples: 1.00 6.00 7.00 25.00 14.00 8.00 2.00	Area: Slabs Slabs Slabs Slabs Slabs Slabs Slabs	2	Surveye	s d: 1		ajor M&K: True

Networ	k: IMM			N	ame:	IMMOKALEE	REGIONAL AIRPO	RT		
Branch	: RW 4-22		Name:	RUNWAY	4-22	Use:	RUNWAY	Area:	50,455 SqFt	
Section	: 6310	of 2	F	rom: -			То: -		Last Const.:	1/1/1942
Surface	: PCC	Family: C9	N59-GA-RW	-TW-PCC Z	one:		Category:		Rank: S	
Area:	34,35	57 SqFt	Length:	350) Ft	Width:	100 Ft			
Slabs:	112	Slab Length:		13 Ft	Slab W	idth:	25 Ft	Joint L	Length: 3,750 F	t
Shoulde	er:	Street Type:			Grade:	0		Lanes:	0	
Section	Comments:									
Work D	Date: 1/1/1942	Work	Fype: BUIL	Г		(Code: IMPORTED	Is I	Major M&R: True	
Last Ins	sp. Date: 3/14/2017	7	TotalSa	mples: 5		Survey	ed: 2			
Conditi	ons: PCI: 33									
Inspecti	ion Comments:									
Sample	Number: 301	Type:	R	Area:		24.00 Slabs	PCI:	33		
Sample	Comments:									
74 J	IOINT SPALL		М	3.00 Slat	s					
62 (CORNER BREAK		М	1.00 Slat	s					
63 I	LINEAR CR		L	4.00 Slat	S					
63 I	LINEAR CR		М	8.00 Slat	s					
65 J	IT SEAL DMG		Н	24.00 Slat	s					
66 5	SMALL PATCH		М	1.00 Slat	S					
66 5	SMALL PATCH		Н	1.00 Slat						
73 5	SHRINKAGE CR		N	24.00 Slat						
	CORNER SPALL		L	1.00 Slat						
	CORNER SPALL		М	3.00 Slat						
	CORNER SPALL		Н	2.00 Slat						
71 I	FAULTING		L	1.00 Slat	S					
Sample	Number: 303	Type:	R	Area:		24.00 Slabs	PCI:	33		
Sample	Comments:									
74 J	JOINT SPALL		М	1.00 Slat	s					
63 I	LINEAR CR		М	11.00 Slat	S					
65 J	IT SEAL DMG		Н	24.00 Slat	S					
71 I	FAULTING		L	1.00 Slat	S					
73 \$	SHRINKAGE CR		N	9.00 Slat	S					
74 J	IOINT SPALL		L	3.00 Slat	S					
75 (CORNER SPALL		М	2.00 Slat	IS					

Network: IMM			Name:	IMMOKALEE R	EGIONAL AIRPO	ORT	
Branch: RW 9-27		Name:	RUNWAY 9-27	Use:	RUNWAY	Area:	500,000 SqFt
Section: 6235	of 1		From: -		То: -		Last Const.: 11/1/2014
Surface: AC	Family: C9	N59-GA-	RW-AC Zone:		Category:		Rank: P
Area: 500,000) SqFt	Length	5 ,000 Ft	Width:	100 Ft		
Slabs:	Slab Length:		Ft Slat	o Width:	Ft	Joint Leng	th: Ft
Shoulder:	Street Type:		Gra	de: 0		Lanes:	0
Section Comments:							
Work Date: 11/1/2014	Work '	Type: Ne	w Construction - AC	Co	ode: NC-AC	Is Maj	or M&R: True
Last Insp. Date: 3/14/2017		Tota	ISamples: 100	Surveye	d: 20		
Conditions: PCI: 94							
Inspection Comments:							
Sample Number: 302	Type:	R	Area:	5000.00 SqFt	PCI:	94	
Sample Comments:							
57 WEATHERING		L	5000.00 SqFt				
Sample Number: 307	Type:	R	Area:	5000.00 SqFt	PCI:	94	
Sample Comments:							
57 WEATHERING		L	5000.00 SqFt				
Sample Number: 312	Type:	R	Area:	5000.00 SqFt	PCI:	94	
Sample Comments:							
57 WEATHERING		L	5000.00 SqFt				
Sample Number: 317	Type:	R	Area:	5000.00 SqFt	PCI:	94	
Sample Comments:							
57 WEATHERING		L	5000.00 SqFt				
Sample Number: 322	Type:	R	Area:	5000.00 SqFt	PCI:	94	
Sample Comments:							
57 WEATHERING		L	5000.00 SqFt				
Sample Number: 327	Type:	R	Area:	5000.00 SqFt	PCI:	94	
Sample Comments:				-			
57 WEATHERING		L	5000.00 SqFt				
Sample Number: 332	Туре:	R	Area:	5000.00 SqFt	PCI:	94	
Sample Comments:	51			1			
57 WEATHERING		L	5000.00 SqFt				
Sample Number: 337	Туре:	R	Area:	5000.00 SqFt	PCI:	94	
Sample Comments:	- , pc.			200000 Sqr (1.01.		
_		т	5000.00 G F				
57 WEATHERING Sample Number: 342		L R	5000.00 SqFt Area:	5000.00 SqFt	PCI:	04	
Sample Comments:	Туре:	K	Area:	5000.00 SqFt	rcı;	24	
_		_					
57 WEATHERING		L	5000.00 SqFt	5000 00 S-Et	DCL	04	
Sample Number: 347 Sample Comments:	Type:	R	Area:	5000.00 SqFt	PCI:	94	
-		_					
57 WEATHERING		L	5000.00 SqFt	5000 00 G T	DOL	0.1	
Sample Number: 352	Type:	R	Area:	5000.00 SqFt	PCI:	94	
Sample Comments:							
57 WEATHERING		L _	5000.00 SqFt				
Sample Number: 357	Туре:	R	Area:	5000.00 SqFt	PCI:	94	
Sample Comments:							F 40
57 WEATHERING		L	5000.00 SqFt				E-19

Sample Number: 362	Type: R	Area:	5000.00 SqFt	PCI: 94	
Sample Comments:					
57 WEATHERING	L	5000.00 SqFt			
Sample Number: 367	Type: R	Area:	5000.00 SqFt	PCI: 94	
Sample Comments:					
57 WEATHERING	L	5000.00 SqFt			
Sample Number: 372	Type: R	Area:	5000.00 SqFt	PCI: 94	
Sample Comments:					
57 WEATHERING	L	5000.00 SqFt			
Sample Number: 377	Type: R	Area:	5000.00 SqFt	PCI: 94	
Sample Comments:					
57 WEATHERING	L	5000.00 SqFt			
Sample Number: 382	Type: R	Area:	5000.00 SqFt	PCI: 94	
Sample Comments:					
57 WEATHERING	L	5000.00 SqFt			
Sample Number: 387	Type: R	Area:	5000.00 SqFt	PCI: 94	
Sample Comments:					
57 WEATHERING	L	5000.00 SqFt			
Sample Number: 392	Type: R	Area:	5000.00 SqFt	PCI: 94	
Sample Comments:					
57 WEATHERING	L	5000.00 SqFt			
Sample Number: 397	Type: R	Area:	5000.00 SqFt	PCI: 94	
Sample Comments:					
57 WEATHERING	L	5000.00 SqFt			

Network: IMM		Name:	IMMOKALEE REGI	ONAL AIRPORT	
Branch: TW A	Name:	TAXIWAY A	Use: TA	AXIWAY	Area: 239,004 SqFt
Section: 205		rom: -		То: -	Last Const.: 1/1/1942
	mily: C9N59-GA-TW			Category:	Rank: P
Area: 222,150 Sc	•	4,450 Ft	Width:	50 Ft	
	lab Length:	Ft Slab W		Ft	Joint Length: Ft
	treet Type:	Grade:		1.	Lanes: 0
Section Comments:	neer 1, per		č		
Work Date: 1/1/1942	Work Type: OVEF	ΣΙ ΥΛ	Code:	IMPORTED	Is Major M&R: True
					IS MAJOR MICH. THE
Work Date: 1/1/1942	Work Type: BUIL	Τ	Code:	IMPORTED	Is Major M&R: True
Last Insp. Date: 3/14/2017	TotalSa	mples: 44	Surveyed:	5	
Conditions: PCI: 25					
Inspection Comments:					
Sample Number: 103	Type: R	Area:	5000.00 SqFt	PCI: 22	
Sample Comments:					
43 BLOCK CR	L	488.00 SqFt			
43 BLOCK CR	Μ	4500.00 SqFt			
50 PATCHING52 RAVELING	H M	12.00 SqFt 4988.00 SqFt			
Sample Number: 113	Type: R	4988.00 SqFt Area:	5000.00 SqFt	PCI: 25	
Sample Comments:	Type. R	Alta.	5000.00 Sqr1	f C1, 25	
43 BLOCK CR	М	5000.00 SqFt			
52 RAVELING	L	1000.00 SqFt			
52 RAVELING	М	4000.00 SqFt			
Sample Number: 123	Type: R	Area:	5000.00 SqFt	PCI: 25	
Sample Comments:					
43 BLOCK CR	L	500.00 SqFt			
43 BLOCK CR	М	4500.00 SqFt			
52 RAVELING	М	5000.00 SqFt			
Sample Number: 133	Type: R	Area:	5000.00 SqFt	PCI: 26	
Sample Comments:					
43 BLOCK CR	L	500.00 SqFt			
43 BLOCK CR	М	1800.00 SqFt			
48 L & T CR	М	216.00 Ft			
52 RAVELING	M Turner D	5000.00 SqFt	(250.00.0-E+	BCI. 25	
Sample Number: 143 Sample Comments:	Type: R	Area:	6250.00 SqFt	PCI: 25	
-					
52 RAVELING	М	6250.00 SqFt			
43 BLOCK CR43 BLOCK CR	L M	625.00 SqFt 5625.00 SqFt			
TJ DLOUK UK	141	5025.00 Sqrt			

Network:	IMM			Name:	IMMOKALEE I	REGIONAL AIRPOR	RT	
Branch:	TW A		Name:	TAXIWAY A	Use:	TAXIWAY	Area:	239,004 SqFt
Section: 2	207	to	f 2 I	From: -		То: -		Last Const.: 11/1/2014
Surface:	AC	Family:	C9N59-GA-TV	W-AC Zone:		Category:		Rank: P
Area:	1	16,854 SqFt	Length:	450 Ft	Width:	35 Ft		
Slabs:		Slab Len	gth:	Ft S	lab Width:	Ft	Joint Lengt	th: Ft
Shoulder:		Street Ty	/pe:	G	rade: 0		Lanes:	0
Section Con	nments:							
Work Date:	: 11/1/2014	W	ork Type: New	Construction - AC	(Code: NC-AC	Is Majo	or M&R: True
Last Insp. D	Date: 3/14/	/2017	TotalS	amples: 4	Survey	ed: 1		
Conditions:	: PCI:	94						
Inspection (Comments:							
Sample Nur	mber: 145	Тур	e: R	Area:	5000.00 SqFt	PCI: 94	4	
Sample Con	mments:							
57 WEA	ATHERING		L	5000.00 SqFt				

Network:	IMM			Na	me: IMN	MOKALEE F	REGIONAL AIRPOR	ст	
Branch:	TW A1		Name:	TAXIWAY	A1	Use:	TAXIWAY	Area:	23,396 SqFt
Section: 2	210	of	1 1	From: -			То: -		Last Const.: 1/1/1942
Surface:	AC	Family:	C9N59-GA-TV	W-AC Zo	ne:		Category:		Rank: P
Area:	23,3	96 SqFt	Length:	469	Ft	Width:	50 Ft		
Slabs:		Slab Leng	gth:	Ft	Slab Width:		Ft	Joint Length	r: Ft
Shoulder:		Street Ty	pe:		Grade: 0			Lanes: 0	
Section Con	nments:								
Work Date:	: 1/1/1942	Wo	ork Type: OVE	ERLAY		С	ode: IMPORTED	Is Major	M&R: True
Work Date:	: 1/1/1942	Wa	ork Type: BUII	LT		С	ode: IMPORTED	Is Major	M&R: True
Last Insp. D	Date: 3/14/201	7	TotalS	amples: 4		Surveye	ed: 1		
Conditions:	PCI: 20								
Inspection (Comments:								
Sample Nur	mber: 201	Тур	e: R	Area:	500	0.00 SqFt	PCI: 20)	
Sample Con	nments:								
43 BLO	OCK CR		М	4850.00 SqFt					
50 PAT	CHING		Н	150.00 SqFt					
52 RAV	/ELING		М	4850.00 SqFt					

Network:	IMM			Name:	IMMOKALEE I	REGIONAL AIRPOR	RT	
Branch:	TW A2		Name:	TAXIWAY A2	Use:	TAXIWAY	Area:	47,841 SqFt
Section:	225	of	2 F	rom: -		То: -		Last Const.: 11/1/2014
Surface:	AC	Family:	C9N59-GA-TW	W-AC Zone:		Category:		Rank: P
Area:	25,17	7 SqFt	Length:	750 Ft	Width:	35 Ft		
Slabs:		Slab Leng	gth:	Ft Sla	b Width:	Ft	Joint Lengt	h: Ft
Shoulder:		Street Ty	pe:	Gr	ade: 0		Lanes: (0
Section Cor	mments:							
Work Date:	: 11/1/2014	Wo	rk Type: New	Construction - AC	0	ode: NC-AC	Is Majo	or M&R: True
Last Insp. I	Date: 3/14/2017	1	TotalSa	amples: 5	Survey	ed: 1		
Conditions:	: PCI: 94							
Inspection (Comments:							
Sample Nur	mber: 202	Туре	e: R	Area:	5165.00 SqFt	PCI: 94	4	
Sample Cor	mments:							
57 WEA	ATHERING		L	5165.00 SqFt				

Network:	IMM			Name:	IMMOKALEE F	REGIONAL AIRPOR	RT	
Branch:	TW A2		Name:	TAXIWAY A2	Use:	TAXIWAY	Area:	47,841 SqFt
Section:	230	of 2	2 F	rom: -		То: -		Last Const.: 11/1/2014
Surface:	AC	Family: C	C9N59-GA-TW	AC Zone:		Category:		Rank: P
Area:	22,66	54 SqFt	Length:	650 Ft	Width:	35 Ft		
Slabs:		Slab Length	n:	Ft Slal	o Width:	Ft	Joint Lengtl	h: Ft
Shoulder:		Street Type	:	Gra	de: 0		Lanes: ()
Section Cor	mments:							
Work Date:	: 11/1/2014	Work	Type: New O	Construction - AC	С	ode: NC-AC	Is Majo	r M&R: True
Last Insp. I	Date: 3/14/2017	7	TotalSa	mples: 4	Surveye	e d: 1		
Conditions:	: PCI: 94							
Inspection (Comments:							
Sample Nur	mber: 200	Туре:	R	Area:	5811.00 SqFt	PCI: 94	4	
Sample Cor	mments:							
57 WEA	ATHERING		L	5811.00 SqFt				

Network:	IMM				Na	me: IMN	MOKALEE I	REGIO	NAL AIRI	PORT			
Branch:	TW B		Na	ime: T	AXIWAY	В	Use:	TAX	XIWAY	Area	a:	253,469 SqFt	
Section:	105	0	f 4	From:	-]	Го: -			Last Const	.: 11/1/2014
Surface:	AC	Family:	C9N59	-GA-TW-AC	Zo	ne:		(Category:			Rank: P	
Area:		75,000 SqFt	L	ength:	1,525	Ft	Width:		50 F	t			
Slabs:		Slab Ler	ngth:		Ft	Slab Width:		I	Ft		Joint Length	:	Ft
Shoulder:		Street T	ype:			Grade: 0					Lanes: 0		
Section Co	omments:												
Work Date	e: 1/1/1942	2. W	ork Typ	e: OVERLAY	<i>I</i>		(Code:	IMPORTE	ED	Is Major	M&R: True	
Work Date	e: 1/1/1942	2. W	ork Typ	e: BUILT			(Code:	IMPORTE	ED	Is Major	M&R: True	
Work Date	e: 11/1/201	4 W	ork Typ	e: Complete I	Reconstruct	ion - AC	(Code:	CR-AC		Is Major	M&R: True	
Last Insp. Conditions	Date: 3/1- s: PCI :			TotalSample	es: 15		Survey	ed: 2					
Inspection	Comments	5:											
Sample Nu	umber: 10)5 Ty]	pe:	R	Area:	5000	0.00 SqFt		PCI:	94			
Sample Co	omments:												
57 WE	EATHERIN	G	L	500	0.00 SqFt								
Sample Nu	umber: 11	11 Ty	pe:	R	Area:	5000	0.00 SqFt		PCI:	94			
Sample Co	omments:												
57 WE	EATHERIN	G	L	500	0.00 SqFt								

Network:	IMM				Nai	ne: IMN	MOKALEE	REGIO	ONAL AIRF	ORT				
Branch:	TW B		Name:	TAXIV	VAY E	3	Use	: TA	XIWAY	Are	ea:	253,4	69 SqFt	
Section:	110	of 4		From:					То: -			L	ast Const.:	1/1/1942
Surface:	AC	Family: C	9N59-GA	-TW-AC	Zor	ie:			Category:			R	ank: P	
Area:	101,17	0 SqFt	Lengt	h: 2	2,653 1	Ft	Width:		50 Ft					
Slabs:		Slab Length	:	Ft		Slab Width:			Ft		Joint Leng	th:	F	⁷ t
Shoulder:		Street Type:				Grade: 0					Lanes:	0		
Section Co	omments:													
Work Dat	te: 1/1/1942	Work	Type: O	VERLAY				Code:	IMPORTE	D	Is Maje	or M&l	R: True	
Work Dat	te: 1/1/1942	Work	Type: B	UILT				Code:	IMPORTE	D	Is Maje	or M&l	R: True	
Last Insp.	Date: 3/14/2017	1	Tota	alSamples:	20		Surve	yed: 3	3					
Conditions	s: PCI: 25													
nspection	n Comments:													
Sample Nı	umber: 117	Type:	R	А	rea:	492:	5.00 SqFt		PCI:	23				
Sample Co	omments:													
43 BL	OCK CR		L	1512.00	SqFt									
	OCK CR		М	1560.00										
	& T CR		L	137.00										
	TCHING		М	6.00										
52 RA	VELING		М	4919.00	SqFt									
Sample Nu	umber: 125	Type:	R	А	rea:	500	0.00 SqFt		PCI:	25				
Sample Co	omments:													
43 BL	OCK CR		М	4000.00	SqFt									
48 L&	& T CR		L	50.00	Ft									
52 RA	VELING		М	5000.00	SqFt									
Sample Nı	umber: 131	Type:	R	A	rea:	500	0.00 SqFt		PCI:	27				
Sample Co	omments:													
43 BL	OCK CR		М	3100.00	SqFt									
	& T CR		L	203.00	-									
	VELING		М	5000.00										

Network:	IMM			Nam	e: IMN	IOKALEE R	EGIONAL AIRPOR	Т	
Branch:	TW B		Name:	TAXIWAY B		Use:	TAXIWAY	Area:	253,469 SqFt
Section:	120	of 4	I	From: -			To: -		Last Const.: 11/1/2014
Surface:	AC	Family: C9	N59-GA-TV	W-AC Zone	:		Category:		Rank: P
Area:	12,	050 SqFt	Length:	375 F	t	Width:	35 Ft		
Slabs:		Slab Length:		Ft	Slab Width:		Ft	Joint Leng	th: Ft
Shoulder:		Street Type:			Grade: 0			Lanes:	0
Section Co	omments:								
Work Date	e: 11/1/2014	Work '	Гуре: New	Construction - AC		С	ode: NC-AC	Is Maj	or M&R: True
Last Insp.	Date: 3/14/20)17	TotalS	amples: 2		Surveye	e d: 1		
Conditions	s: PCI: 92	2							
Inspection	Comments:								
Sample Nu	umber: 121	Туре:	R	Area:	5975	.00 SqFt	PCI: 92		
Sample Co	omments:								
48 L&	k T CR		L	5.00 Ft					
57 WE	EATHERING		L	5975.00 SqFt					

Network: IMM		Name:	IMMOKALEE R	EGIONAL AIRPO	RT	
Branch: TW B	Name:	TAXIWAY B	Use:	TAXIWAY	Area:	253,469 SqFt
Section: 125	of 4	From: -		То: -		Last Const.: 11/1/2014
Surface: AC	Family: C9N59-GA-T	W-AC Zone:		Category:		Rank: P
Area: 65,249	SqFt Length:	1,900 Ft	Width:	35 Ft		
Slabs:	Slab Length:	Ft Slal	b Width:	Ft	Joint Length	n: Ft
Shoulder:	Street Type:	Gra	ade: 0		Lanes: 0)
Section Comments:						
Work Date: 11/1/2014	Work Type: New	Construction - AC	C	ode: NC-AC	Is Majo	r M&R: True
Last Insp. Date: 3/14/2017	TotalS	Samples: 13	Surveye	d: 2		
Conditions: PCI: 93						
Inspection Comments:						
Sample Number: 141	Type: R	Area:	5000.00 SqFt	PCI: 9	94	
Sample Comments:						
57 WEATHERING	L	5000.00 SqFt				
Sample Number: 149	Type: R	Area:	5000.00 SqFt	PCI: 9	02	
Sample Comments:						
57 WEATHERING	L	5000.00 SqFt				
48 L & T CR	L	3.00 Ft				

Network:	IMM			Name:	IMMOKALEE	REGIONAL AIRPOR	RT	
Branch:	TW B1		Name:	TAXIWAY B	Use:	TAXIWAY	Area:	39,812 SqFt
Section:	415	of 1	F	From: -		То: -		Last Const.: 11/1/2014
Surface:	AC	Family: C9	N59-GA-TV	W-AC Zone:		Category:		Rank: P
Area:	39,8	12 SqFt	Length:	1,100 Ft	Width:	35 Ft		
Slabs:		Slab Length:		Ft S	lab Width:	Ft	Joint Lengt	h: Ft
Shoulder:		Street Type:		G	Frade: 0		Lanes: ()
Section Co	mments:							
Work Date	e: 11/1/2014	Work	Type: New	Construction - AC		Code: NC-AC	Is Majo	r M&R: True
Last Insp. 1	Date: 3/14/201	7	TotalSa	amples: 8	Survey	red: 1		
Conditions	s: PCI: 91							
Inspection	Comments:							
Sample Nu	mber: 101	Туре:	R	Area:	5153.00 SqFt	PCI: 9	1	
Sample Co	omments:							
48 L &	: T CR		L	9.00 Ft				
57 WE.	ATHERING		L	5153.00 SqFt				

Network:	IMM			Name:	IMMOKALEE I	REGIONAL AIRPOR	RT	
Branch:	TW B2		Name:	TAXIWAY B2	Use:	TAXIWAY	Area:	45,468 SqFt
Section:	420	of	1 I	From: -		То: -		Last Const.: 11/1/2014
Surface:	AC	Family:	C9N59-GA-TV	W-AC Zone:		Category:		Rank: P
Area:	45,	468 SqFt	Length:	1,300 Ft	Width:	35 Ft		
Slabs:		Slab Leng	gth:	Ft Sla	b Width:	Ft	Joint Lengt	h: Ft
Shoulder:		Street Ty	pe:	Gra	ade: 0		Lanes: ()
Section Cor	mments:							
Work Date:	: 11/1/2014	Wo	ork Type: New	Construction - AC	0	Code: NC-AC	Is Majo	r M&R: True
Last Insp. I	Date: 3/14/20	17	TotalS	amples: 9	Survey	ed: 1		
Conditions:	: PCI: 94	ļ						
Inspection (Comments:							
Sample Nur	mber: 104	Тур	e: R	Area:	5000.00 SqFt	PCI: 94	1	
Sample Cor	mments:							
57 WEA	ATHERING		L	5000.00 SqFt				

Network:	IMM			Name	: IMMOKA	LEE REGIONAL AIRPO	ORT	
Branch:	TW B3		Name:	TAXIWAY B3		Use: TAXIWAY	Area:	21,549 SqFt
Section:	425	of 1	I	From: -		То: -		Last Const.: 11/1/2014
Surface:	AC	Family: C9N	159-GA-TV	W-AC Zone:		Category:		Rank: P
Area:	21,54	49 SqFt	Length:	600 Ft	Widt	1: 35 Ft		
Slabs:		Slab Length:		Ft S	lab Width:	Ft	Joint Ler	ngth: Ft
Shoulder:		Street Type:		(Grade: 0		Lanes:	0
Section Co	omments:							
Work Date	e: 11/1/2014	Work T	ype: New	Construction - AC		Code: NC-AC	Is Ma	ajor M&R: True
Last Insp.	Date: 3/14/201	7	TotalS	amples: 4	Su	rveyed: 1		
Conditions	s: PCI: 91							
Inspection	Comments:							
Sample Nu	umber: 101	Туре:	R	Area:	5324.00 Sq	Ft PCI:	91	
Sample Co	omments:							
48 L&	& T CR	I	_	7.00 Ft				
57 WE	EATHERING	I	-	5324.00 SqFt				

Network: IMM			Nar	ne: IMM	IOKALEE R	REGIONAL	AIRPO	RT			
Branch: TW C		Name:	TAXIWAY C	2	Use:	TAXIWA	AY	Area:	12	26,449 SqFt	
Section: 310	of	2	From: 1+00			To:	17+00			Last Const.:	1/1/1998
Surface: AC	Family:	C9N59-GA-T	W-AC Zon	ie:		Categ	gory:			Rank: S	
Area:	52,883 SqFt	Length:	1,600 I	Ft	Width:		35 Ft				
Slabs:	Slab Leng	th:	Ft	Slab Width:		Ft		Joint	Length:	F	t
Shoulder:	Street Typ	pe:		Grade: 0				Lane	s: 0		
Section Comments:											
Work Date: 1/1/1998	Woi	rk Type: New	Construction - Init	ial	С	ode: NU-	IN	I	s Major N	M&R: True	
Last Insp. Date: 3/14	4/2017	T - 4 - 16	7 1 14		C	1. 0					
Last msp. Date. 3/14	4/2017	Totals	Samples: 14		Surveye	ea: 2					
•		Totals	Samples: 14		Surveye	d: 2					
-	81	1 otais	Samples: 14		Surveye	a: 2					
Conditions: PCI: Inspection Comments	81 :		Samples: 14	3087	.00 SqFt		PCI: 8	36			
Conditions: PCI: Inspection Comments: Sample Number: 102	81 ::		-	3087			PCI: 8	6			
Conditions: PCI: Inspection Comments: Sample Number: 102 Sample Comments:	81 ::		-	3087			PCI: 8	6			
Conditions: PCI: Inspection Comments: Sample Number: 102 Sample Comments: 52 RAVELING	81 ::	: R	Area:	3087			PCI: 8	6			
Conditions: PCI: Inspection Comments: Sample Number: 102 Sample Comments: 52 RAVELING 48 L & T CR	81 :: 2 Type	: R L		3087			PCI: 8	6			
Conditions: PCI: Inspection Comments: Sample Number: 102 Sample Comments: 52 RAVELING 48 L & T CR 57 WEATHERINC	81 :: 2 Type 3	E R L L L	Area: 50.00 SqFt 28.00 Ft]	PCI: 8				
Conditions: PCI: Inspection Comments: Sample Number: 102 Sample Comments: 52 RAVELING 48 L & T CR	81 :: 2 Type 3	E L L L	Area: 50.00 SqFt 28.00 Ft 3037.00 SqFt		.00 SqFt]					
Conditions: PCI: Inspection Comments: Sample Number: 102 Sample Comments: 52 RAVELING 48 L & T CR 57 WEATHERINC Sample Number: 109 Sample Comments:	81 :: 2 Type 3	E L L L	Area: 50.00 SqFt 28.00 Ft 3037.00 SqFt		.00 SqFt]					
Conditions: PCI: Inspection Comments: Sample Number: 102 Sample Comments: 52 RAVELING 48 L & T CR 57 WEATHERINC Sample Number: 109 Sample Comments:	81 :: 2 Type 3	R L L L R R	Solution SqFt 50.00 SqFt 28.00 Ft 3037.00 SqFt Area: Area:		.00 SqFt]					

Network:	IMM				Nar	ne: IM	MOKALEE R	EGIONAL A	IRPORT	,			
Branch:	TW C		1	Name:	TAXIWAY C	2	Use:	TAXIWAY		Area:	12	26,449 SqFt	
Section:	315	0	f 2	Fr	rom: 1+00			To: 15	5+25			Last Const.:	1/1/2007
Surface:	AC	Family:	C9N	59-GA-TW	-AC Zon	ne:		Categor	y:			Rank: S	
Area:		73,566 SqFt		Length:	2,100 H	Ft	Width:	35	5 Ft				
Slabs:		Slab Ler	ngth:		Ft	Slab Width:		Ft		Joint Le	ngth:	Ft	
Shoulder:		Street T	ype:			Grade: 0				Lanes:	0		
Section Co	omments:												
Work Date	e: 1/1/2007	w	ork Ty	pe: New C	Construction - Init	tial	С	ode: NU-IN		Is M	lajor N	1&R: True	
Last Insp.	Date: 3/1	4/2017		TotalSa	mples: 19		Surveye	d: 3					
Conditions	s: PCI:	83											
Inspection	Comments	S:											
Sample Nu	umber: 10	02 Ty	pe:	R	Area:	350	0.00 SqFt	РС	I: 85				
Sample Co	omments:												
48 L&	k T CR		L		108.00 Ft								
57 WE	EATHERIN	G	L		3500.00 SqFt								
Sample Nu	umber: 10)7 Ty j	pe:	R	Area:	350	0.00 SqFt	РС	I: 83				
Sample Co	omments:												
48 L&	k T CR		L		126.00 Ft								
57 WE	EATHERIN	G	L		3500.00 SqFt								
Sample Nu	umber: 20)1 Ty j	pe:	R	Area:	350	0.00 SqFt	РС	I: 81				
Sample Co	omments:												
48 L&	k T CR		L		160.00 Ft								
57 WE	EATHERIN	G	L		3500.00 SqFt								

Netwo	rk: IMM					Ν	ame: IM	MOKALEE R	REGIONAL AIRPO	RT			
Branc	h: TW TO	O AP		N	ame:	TAXIWAY	TO CROP AP	Use:	TAXIWAY	Area:		33,633 SqFt	
Section	n: 305		of	1	Fr	om: -			То: -			Last Const.:	1/1/1987
Surfac	e: AC		Family:	C9N5	9-GA-TW	-AC Z	one:		Category:			Rank: T	
Area:		33,63	3 SqFt]	Length:	1,260) Ft	Width:	25 Ft				
Slabs:			Slab Len	gth:		Ft	Slab Width:	:	Ft	Joint	Length:	F	't
Should	ler:		Street Ty	pe:			Grade: ()		Lane	s: 0		
Section	n Comments:												
Work	Date: 1/1/198	7	We	ork Tyj	pe: BUILT	Г		С	ode: IMPORTED) I:	s Major N	M&R: True	
Last Iı	nsp. Date: 3/2	14/2017	,		TotalSa	mples: 6		Surveye	ed: 2				
Condi	tions: PCI:					•							
	tions: PCI: tion Comment	61											
Inspec	tion Comment	61 ts:											
Inspec		61 ts:	Тур	e:	R	Area:	500	00.00 SqFt	PCI:	52			
Inspec Sampl	tion Comment	61 ts:		e:	R		500	00.00 SqFt	PCI:	52			
Inspec Sampl Sampl	tion Comment	61 ts:		e: M			500	00.00 SqFt	PCI:	52			
Inspec Sampl Sampl 48	tion Comment e Number: 1 e Comments:	61 ts: 00				Area:		00.00 SqFt	PCI:	52			
Inspec Sampl	tion Comment e Number: 1 e Comments: L & T CR	61 ts: 00		М		Area: 200.00 Ft		00.00 SqFt	PCI:	52			
Inspec Sampl Sampl 48 57 48	tion Comment e Number: 1 e Comments: L & T CR WEATHERIN	61 ts: 000		M M L		Area: 200.00 Ft 5000.00 SqF	't	00.00 SqFt 00.00 SqFt	PCI:				
Inspec Sampl Sampl 48 57 48 Sampl	tion Comment e Number: 1 e Comments: L & T CR WEATHERIN L & T CR	61 ts: 000	Тур	M M L		200.00 Ft 5000.00 SqF 384.00 Ft	't						
Inspec Sampl Sampl 48 57 48 Sampl	tion Comment e Number: 1 e Comments: L & T CR WEATHERIN L & T CR e Number: 1	61 ts: 000	Тур	M M L	R	200.00 Ft 5000.00 SqF 384.00 Ft	't						
Inspec Sampl 48 57 48 Sampl 48 57 48 Sampl 48 57 48 Sampl 48	tion Comment e Number: 1 e Comments: L & T CR WEATHERIN L & T CR e Number: 1 e Comments:	61 is: 00 IG 03	Тур	M M L	R	Area: 200.00 Ft 5000.00 SqF 384.00 Ft Area:	t 500						
Inspec Sampl Sampl 48 57 48 Sampl Sampl	tion Comment e Number: 1 e Comments: L & T CR WEATHERIN L & T CR e Number: 1 e Comments: L & T CR	61 is: 00 IG 03	Тур	M M L e: M	R	200.00 Ft 5000.00 SqF 384.00 Ft Area: 200.00 Ft	t 500						