FLORIDA DEPARTMENT OF TRANSPORTATION

AVIATION AND SPACEPORT OFFICE

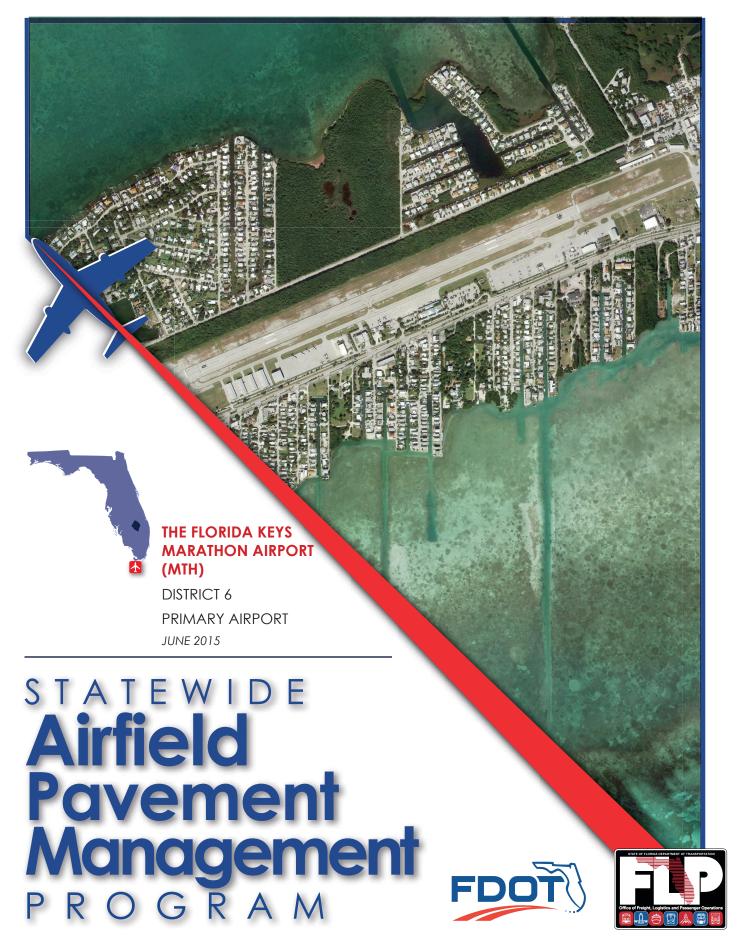




TABLE OF CONTENTS

Exe	ecutive Summary	1
1.	Introduction	7
2.	Airfield Pavement Network Definition and Pavement Inventory	19
3.	Airfield Pavement Condition	25
4.	Pavement Performance	35
5.	Airfield Pavement Maintenance Policies and Costs	39
6.	Major Pavement Rehabilitation Needs	47
7.	Preventative and Major Rehabilitation Planning	51
8.	Visual Aid Exhibits	55
9.	Recommendations	57
LIS	ST OF TABLES	
Tak	ole I: Condition Summary by Branch	2
Tak	ole II: Condition Summary by Pavement Facility Use	3
Tak	ole III: Year-1 Major Rehabilitation Needs for The Florida Keys Marathon Airport	4
Tak	ole IV: 10-Year Preventative Maintenance and Major Rehabilitation	5
Tak	ole 1-1: Sampling Rate Schedule for SAPMP PCI Survey Inspections	15
Tak	ole 2-1: Previous and/or Anticipated Airfield Pavement Construction	21
Tak	ole 2-2: Pavement Inventory Summary	22
Tak	ole 2-3: Airfield Pavement Inventory Details	23
Tak	ole 3-1: Airfield Pavement Distresses for Asphalt Concrete	28
Tak	ole 3-2: Airfield Pavement Distresses for Portland Cement Concrete	29
Tak	ole 3-3: Pavement Condition Index Rating Summary	32
Tak	ole 5-1: Recommended AC, AAC, and APC Maintenance and Repair Policy	40
Tak	ole 5-2: Recommended PCC Maintenance and Repair Policy	41
Tak	ole 5-3: Critical and Minimum Service Level PCI for Primary Airports	43
Tak	ole 5-4: Maintenance and Major Rehabilitation Activity Based on PCI	43
Tak	ole 5-5: AC Maintenance Unit Costs	45
Tak	ole 5-6: PCC Maintenance Unit Costs	45
Tak	ole 5-7: Rehabilitation Activities and Unit Costs by Condition for Primary Airports	46
Tak	ole 6-1: Summary of Major Rehabilitation	48
Tak	ole 7-1: 10-Year Preventative and Major Rehabilitation Summary	51



LIST OF FIGURES

Figure 1-1: Pavement Life Cycle	13
Figure 1-2: Flexible Pavement, Asphalt Concrete	16
Figure 1-3: Rigid Pavement, Portland Cement Concrete	17
Figure 2-1: Airfield Pavement Type	23
Figure 3-1: Airfield Pavement Condition Index Rating Summary	31
Figure 3-2: Percentage of Pavement Area by Condition Rating by Use	33
Figure 4-1: Runway Pavement Performance Prediction Summary	36
Figure 4-2: Taxiway Pavement Performance Prediction Summary	36
Figure 4-3: Apron Pavement Performance Prediction Summary	37
Figure 6-1: 10-Year Major Rehabilitation Budget Scenario Analysis	49
Figure 7-1: 10-Year Preventative and Major Rehabilitation Summary	52

APPENDICES

Appendix A	Airfield Pavement Network Definition Exhibit
	Airfield Pavement System Inventory Exhibit
	Pavement Geometry Inventory
	Work History Report
Appendix B	Airfield Pavement Condition Index Rating Exhibit
	Pavement Condition Index Inventory
Appendix C	Branch Condition Report
	Section Condition Report
Appendix D	Pavement Performance Prediction Table
	Pavement Performance by Pavement Use
Appendix E	Year-1 Preventative Activities
Appendix F	Airfield Pavement 10-Year Major Rehabilitation Exhibit
	Airfield Pavement 10-Year Major Rehabilitation Table
Appendix G	Photographs
Appendix H	Distress Data - Re-inspection Report



EXECUTIVE SUMMARY

In 2012, the Florida Department of Transportation (FDOT) Central Aviation Office selected a team lead by Kimley-Horn and Associates, Inc. and including their subconsultants Penuel Consulting and LLC, Roy D. McQueen & Associates, LTD, to provide services in support of FDOT in the continued efforts of updating the existing Statewide Airfield Pavement Management Program (SAPMP). This work is to be completed over the fiscal years of 2013 through 2015.

The tasks required to achieve this objective at each participating airport specifically included the following:

- Obtain recent construction history from the airport to update the Pavement Network Definition Exhibits using CADD from the previous SAPMP update.
- Update the airport pavement inventory data (construction history, geometry, identification, and classification) based on airport provided information.
- Update the FDOT SAPMP MicroPAVER database files and system tables for the purpose of analyzing field data for Pavement Condition Index (PCI) calculation of current pavement condition
- Development of pavement performance models for the approximation of future pavement performance.
- Development of a maintenance and repair plan, and a 10-year major rehabilitation program to address the pavement needs based on condition.
- Development of planning level opinions of probable costs for pavement preservation and rehabilitation.

In March 2015, a PCI survey inspection was performed at The Florida Keys Marathon Airport. The results of the inspection indicate that, based on ASTM D 5340-12, the airport's airfield pavement facilities had an overall area-weighted average PCI of 62, representing a Fair overall network condition. summarizes the overall condition summary by network level branch in comparison to the FDOT recommended minimum service level and action recommendations for either major rehabilitation or maintenance level activities.



Table I: Condition Summary by Branch

Branch Name	Area Weighted PCI	PCI Range	Average Condition Rating	FDOT Minimum Service Level	MicroPAVER Minimum PCI	Action Required
APRON E	67	57 - 72	FAIR	65	65	Χ
APRON AT FLIGHT CENTER	64	44 - 83	FAIR	65	65	Х
JET CENTER APRON	44	30 - 54	POOR	65	65	Χ
TERMINAL APRON	63	59 - 65	FAIR	65	65	Χ
T-HANGAR APRONS	79	79	SATISFACTORY	65	65	
RUNWAY 7-25	61	61 - 62	FAIR	75	65	Χ
Taxiway Alpha	66	66 - 69	FAIR	70	65	
TAXIWAY BRAVO	61	61	FAIR	70	65	Χ
TAXIWAY CHARLIE	68	65 - 70	FAIR	70	65	Χ
TAXIWAY DELTA	71	63 - 83	SATISFACTORY	70	65	Χ
TAXIWAY ECHO	80	70 - 82	SATISFACTORY	70	65	

"Action Required" in Table I is triggered when a section within the identified Branch Facility falls below the FDOT Minimum Service Level. Year 1 Major Rehabilitation needs are triggered in Table III when a section in the identified Branch falls below the MicroPAVER Minimum PCI. Major Rehabilitation is also triggered in Table III when the section PCI is above critical and the section exhibits significant structural related distresses.

For project level planning and inspection development; the airfield pavement facilities have been divided at the branch level based on facility use and designation, and at the section level based on pavement construction history, composition (e.g. asphalt versus concrete), aircraft traffic operations, and pavement surface conditions. Table II provides the overall area weighted condition of the pavement based on facility branch use.



Use	Average Area- Weighted PCI	Condition Rating
Runway	61	FAIR
Taxiway	68	FAIR
Apron	60	FAIR

Table II: Condition Summary by Pavement Facility Use

Based on the inspection performed at the airport for this SAPMP update; the current conditions were determined using the collected PCI distress data. PCI values were computed and used to identify pavement facilities that were below the defined critical PCI as sections that would benefit from immediate major rehabilitation activity. These pavement sections that were determined to be below the critical PCI would most likely benefit from long-term major rehabilitative construction activity rather than localized, short-term maintenance and repairs.

The Year-1 Major Rehabilitation Needs, or projects that are recommended to be completed because the pavement is below the critical PCI, were developed on the assumption that there is an unlimited repair budget. These projects include:

- Runway 7-25 Sections 6105 and 6110
 - Mill and Overlay attributed to climate/age.
- East Apron Section 4510
 - Mill and Overlay attributed to climate/age.
- Jet Center Apron Sections 4305, 4315, and 4320
 - Reconstruction and Mill and Overlay attributed to climate/age and construction quality.
- Jet Center Apron Section 4310
 - Reconstruction attributed to climate/age, structural, and construction quality.
- Terminal Apron Section 4220
 - PCC Restoration attributed to structural, climate/age, and construction quality.
- Terminal Apron Sections 4205 and 4210
 - Mill and Overlay attributed to climate/age and construction quality.
- Flight Center Apron Sections 4105, 4115, and 4120



- Mill and Overlay attributed to structural, climate/age, and construction quality.
- Flight Center Apron Section 4110
 - PCC Restoration attributed to load and construction quality.
- Taxiway D Section 305
 - Mill and Overlay attributed to climate/age and construction quality.
- Taxiway C Section 210
 - Mill and Overlay attributed to climate/age and construction quality.
- Taxiway B Section 151
 - Mill and Overlay attributed to climate/age and construction quality.

The section level projects that were identified as Year-1 Major Rehabilitation Needs are in Table III.

Table III: Year-1 Major Rehabilitation Needs for The Florida Keys Marathon Airport

Branch ID	Section ID	Major Rehabilitation Costs	PCI Before M&R	Rehabilitation Activity	PCI After M&R
RW 7-25	6110	\$ 2,253,600.00	62	Mill and Overlay	100
RW 7-25	6105	\$ 6,760,800.00	61	Mill and Overlay	100
AP E	4510	\$ 306,900.00	57	Mill and Overlay	100
AP JET CTR	4320	\$ 126,592.00	30	Reconstruction	100
AP JET CTR	4315	\$ 1,091,358.00	54	Mill and Overlay	100
AP JET CTR	4310	\$ 409,423.00	31	Reconstruction	100
AP JET CTR	4305	\$ 2,490,754.00	42	Mill and Overlay	100
AP TERM	4220	\$ 1,572,534.00	65	PCC Restoration	100
AP TERM	4210	\$ 330,678.00	59	Mill and Overlay	100
AP TERM	4205	\$ 360,216.00	59	Mill and Overlay	100
AP FLGHT C	4120	\$ 333,378.00	64	Mill and Overlay	100
AP FLGHT C	4115	\$ 632,646.00	59	Mill and Overlay	100
AP FLGHT C	4110	\$ 84,842.00	44	PCC Restoration	100
AP FLGHT C	4105	\$ 4,853,412.00	65	Mill and Overlay	100
TW D	305	\$ 167,220.00	63	Mill and Overlay	100
TW C	210	\$ 69,714.00	65	Mill and Overlay	100
TW B	151	\$ 192,798.00	61	Mill and Overlay	100
	Total =	\$22,036,865.00			



The SAPMP uses historic pavement condition data from the previous inspections to develop pavement performance models. These pavement performance models are used to create PCI prediction curves to estimate future pavement conditions based on the historic trends. The section areas, prediction curves, and current condition data were used to develop a 10-year major rehabilitation program. Major rehabilitation costs for each year of the 10-year program are based on general unit costs for pavement repairs and not detailed cost estimates that are typically prepared for a construction set of bid documents. Additionally, preventative maintenance level repair budgets were estimated for a 10-year duration. Table IV provides an annual summary of the 10-year Preventative Maintenance and Major Rehabilitation planning level cost opinions for the airfield pavement facilities at the airport. Refer to Section 6 of this report for additional information.

Since the previous update performed in 2012, significant updates to the ASTM D 5340 Standard Test Method for Airport Pavement Condition Index Surveys have affected the analysis of the program. These include the separation of Weathering and Raveling into two distinct flexible pavement distresses, and the addition of the Alkali-Silica Reaction distress for rigid pavement distresses. Additionally, the deterioration associated with the rigid pavement distress Scaling/Map Cracking has been modified. The change in distress classification, as described in ASTM D 5340-12, may result in small variances in the PCI values from the previous inspection analysis. The update included changes in distress deduction values that may be less than the previous analysis. Please refer to Section 3 Airfield Pavement Condition Index for additional information.

Additionally, pavement repair and rehabilitation work reported by the airports are entered into the SAPMP which can improve PCI values.

Table IV: 10-Year Preventative Maintenance and Major Rehabilitation

Year	Preventative	Major M&R	Total Year Cost
2015	\$ 157,783.97	\$ 22,036,866.23	\$ 22,194,650.20
2016	\$ 65,585.71	\$ 4,688,339.80	\$ 4,753,925.51
2017	\$ 76,122.81	\$ -	\$ 76,122.81
2018	\$ 134,569.30	\$ -	\$ 134,569.30
2019	\$ 212,618.92	\$ -	\$ 212,618.92
2020	\$ 301,887.89	\$ 971,314.06	\$ 1,273,201.95
2021	\$ 390,815.53	\$ -	\$ 390,815.53
2022	\$ 452,384.40	\$ 1,121,364.61	\$ 1,573,749.01
2023	\$ 530,483.62	\$ -	\$ 530,483.62



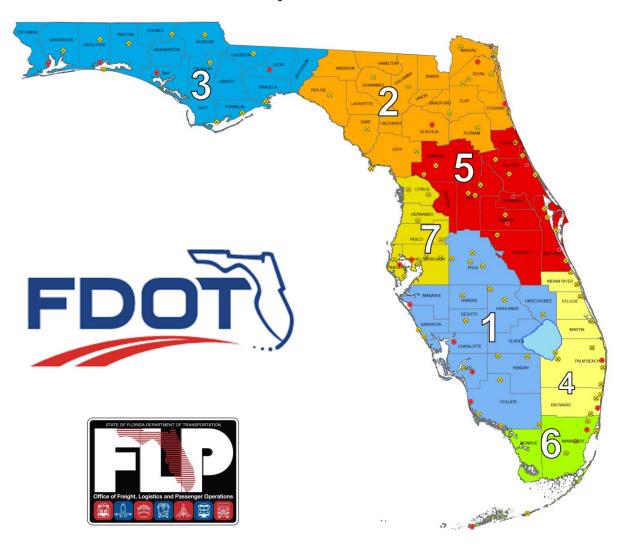
Year	Preventative	Major M&R]	Total Year Cost
2024	\$ 593,140.30	\$ -	\$	593,140.30
Total	\$ 2,915,392.45	\$ 28,817,884.70	\$	31,733,277.15

The success of the repair program for your airport depends on the timely implementation of preservation, localized maintenance and repairs, and major rehabilitation work activities. If work is completed as scheduled, your airport should experience an improvement to the overall area-weighted average PCI. Though this analysis was performed with the assumption of an "unlimited budget", the purpose has been to identify specific projects over the course of 10-years for each pavement section where the condition is projected to fall below the critical PCI. The costs depicted in this study are intended to aid the airports in planning level budgets. Prior to construction work, it is recommended that the airport perform additional investigation at the design level to better estimate costs associated with the maintenance, repair, and major rehabilitation activity discussed.



1. INTRODUCTION

The State of Florida has more than 100 public airports that are vital to the Florida economy as well as the economy of the United States. The aviation system in Florida allows the State to capitalize on an increasingly global marketplace. Florida's system of commercial service and general aviation 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.



The Florida Department of Transportation (FDOT) Central Aviation and Spaceport Office implemented the Statewide Airfield Pavement Management Program (SAPMP) in 1992. In 2012, the FDOT Central Aviation and Spaceport Office selected a team led by Kimley-Horn and Associates, Inc. and including Penuel Consulting, LLC and Roy D. McQueen & Associates, LTD, to provide services in support of the Central Aviation and Spaceport Office Program Manager. The continued evaluation and update of the existing SAPMP is to be completed over fiscal years 2013 through 2015.

This 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 planning associated with the SAPMP 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.

1.1 Purpose of Pavement Evaluation Report

The purpose of this Airfield Pavement Evaluation Report is to:

- Briefly describe the SAPMP goals, procedures, and responsibilities of the program's participants.
- Provide a technical explanation on pavement management principles, standard practices, objectives, and benefits of implementation.
- Outline procedures used to coordinate, collect, evaluate and report pavement inspection results at this airport.
- Analyze and utilize condition results for the development of maintenance, repair, and major rehabilitation based on pavement performance trends.

1.2 FDOT Statewide Airfield Pavement Management Program

In 1992, the FDOT implemented the SAPMP to improve the knowledge of pavement conditions at public airports in the Florida Airports System, identify maintenance and rehabilitation needs at each airport, automate pavement infrastructure information management, and establish standards to address future 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 (M&R) policies, M&R budget costs, and the development of recommendations for performing routine pavement preservation 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 update included the review of the AIRPAV software compared to other industry available non-proprietary software packages. As a result of this review, MicroPAVER was selected for implementation of the system update. MicroPAVER was developed by the U.S. Army Corps of Engineers Construction Engineering Research Laboratory for the purpose of 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 facility, classification, type, history, geometry, 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 2006-2008, 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 2010-2012, the SAPMP was updated using new GPS integrated technology to digitally collect pavement distress data. Interactive GIS map files were developed from updated Airfield Pavement Network Definition Maps 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.



Currently, airports participating in the Airport Improvement Program (AIP) Grant Program are required by the Federal Aviation Administration (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). This program requires detailed inspection of airfield pavement conditions by trained personnel. The inspections are required to be performed at least once a year or every three years, if the pavement is inspected in accordance to the PCI survey procedure (such as ASTM International D 5340 Standard Test Method for Airport Pavement Condition Index Surveys). The previous 2010-2012 SAPMP update utilized the ASTM D 5340-04 released in 2004, in lieu of the 2010/2011 edition, in order to maintain consistent database integrity and benefit of pavement performance models from previous inspections.

1.3 Organization

FDOT Central Aviation Office Program Manager

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

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

Consultant

The Consultant, Kimley-Horn and Associates, Inc. and their team consisting of Penuel Consulting, LLC and Roy D. McQueen & Associates, LTD, provides technical and administrative assistance to the ASO-PM during the execution of the update to the SAPMP. The efforts include updating the airport pavement inventory data, performing the condition survey inspections, evaluating the airfield pavement conditions and updating the SAPMP based upon procedures outlined in the FAA Advisory Circular 150/5380-6C Guidelines and Procedures for Maintenance of Airport Pavements and ASTM D 5340.

Airport Role

The airports are the ultimate beneficiary for each condition survey inspection performed at their respective airfields as part of the SAPMP. The individual airports will be provided final deliverables prepared by the Consultant that have been reviewed and approved by the ASO-PM. The airport should have provided a



current Airport Layout Plan (ALP) to the Consultant and, if they participated in the previous SAPMP, indicate any construction activity that was performed since the previous inspections.

FDOT District Offices

The seven FDOT District Offices, specifically the Aviation Representatives, provide vital support to the SAPMP update and the ASO-PM. Each District supports the SAPMP's on-going efforts by providing representative construction trend costs and practices through the Florida Airports System. Each District Office receives copies of individual Airfield Pavement Evaluation Reports for the airport facilities located within their respective districts.

1.4 Introduction to Pavement Types and Pavement Management

Pavement Basics

A pavement is a prepared surface designed to provide a continuous smooth ride at all taxi, takeoff, and landing speeds and to support an estimated amount of traffic loading for a certain number of years. Pavements are composed of a combination of constructed layers of subgrade soils, subbases, base course material, and surface level courses. There are two primary types of pavements:

- Flexible Pavement, composed of bituminous asphalt concrete (AC) surface, base, and subbase layers.
- Rigid Pavement, composed of Portland Cement Concrete (PCC) surface, base, and subbase layers.

Both pavement types use a combination of layered materials and thicknesses in order to support the traffic loads (both magnitude and repeated application) and protect the underlying subgrade soil. Flexible pavements dissipate applied loads from layer to layer until the load magnitude is small enough to be supported by the subgrade soil. In rigid pavements, the PCC layer supports the majority of the structural load applied, and the base or subbase layer is constructed to provide a smooth, level, and continuous platform that provides uniform support for PCC slabs.

A small percentage of airfield pavements within the Florida Airports System are composed of hybrid 'composite pavement' sections that may include both AC pavement and PCC pavement. The two known composite pavements are AC surface over PCC (APC) and PCC over AC (White Topping).

Due to the different nature of the pavement types, construction, and their materials; flexible and rigid pavements have different modes of failure and



fatigue. This results in varying deterioration and distress development. Understanding the mechanics and modes of failure of the pavement types assists the engineers in making timely, adequate and consistent observations, and in recommending economical maintenance repairs and major rehabilitation to the pavement structures at each airfield.

The Concept of an Airfield Pavement Management System

The SAPMP is a program that provides the Florida Airports System an opportunity to implement and/or maintain a proactive Airfield Pavement Management System (APMS) in a consistent manner at a regular schedule. The SAPMP Airfield Pavement Management System consists of pavement inventory, pavement construction and history, condition survey inspections, pavement performance modeling, maintenance recommendations, and major rehabilitation planning. The various elements of the APMS are used by experienced engineers to identify critical pavements, make pavement preservation or rehabilitation recommendations, and approximate pavement performance. The APMS as a whole is used by an airport's stakeholders, managing agencies, engineers, and planners as a tool in decision making for future project planning, budgeting, and scheduling of activities for its airfield pavement infrastructure.

A benefit of an active APMS is it provides an understanding of an airport's pavement performance trends for the purpose of project planning. Based on the performance trend of their pavements, an airport can schedule pavement maintenance and rehabilitation prior to when the pavement section has deteriorated to a condition that would require reconstruction. The use of pavement performance trends will help airports plan M&R and Rehabilitation projects in a manner and sequence that maximizes benefit and minimizes costs. Figure 1-1, which is based upon the FAA Advisory Circular 150 5380-7B Airport Pavement Management Program, illustrates how pavement generally deteriorates over time and the relative cost of rehabilitation and reconstruction throughout its life.



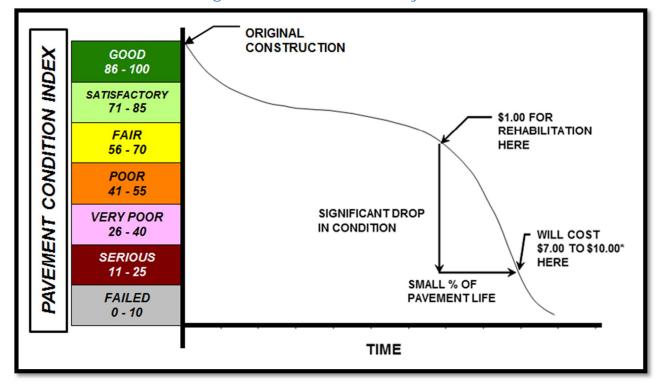


Figure 1-1: Pavement Life Cycle

Source: FAA Advisory Circular 150 5380-7B Airport Pavement Management Program

Note that during approximately the first 75% of a pavement's life, it performs relatively well. After that, however, it begins to deteriorate rapidly. The number of years a pavement stays in 'Good' and 'Satisfactory' conditions depends on how well it is proactively maintained. As the Figure 1-1 demonstrates, the cost of maintaining the pavement above critical condition before rapid deterioration occurs is much less compared to maintaining pavements after substantial deterioration has occurred.

Pavements tend to deteriorate at an accelerated rate when actual traffic loading exceeds the original design assumptions and when limited resources are available for maintenance and repair (M&R) efforts. Planned maintenance and rehabilitation, essentially preserving pavements and delaying condition deterioration, help airport managers, agencies, and engineers maximize the use of their budgets and prolong the life of their pavements. An APMS provides a tool to schedule planned maintenance and major rehabilitation efforts based on a consistent methodology of condition assessment. This consistent methodology of pavement condition assessment allows for the development of pavement performance models to help forecast future pavement conditions.



Part of the implementation of the APMS is the clear identification and inventorying of pavement infrastructure that needs to be managed specifically within the airport owner, manager, and agency responsibility. Another aspect of the APMS is development of maintenance, repair, and major rehabilitation policies that align with the expectations of pavement performance and are based on ability to fund the types of work identified. Once there is an understanding of the cause and extent of pavement distresses, appropriate maintenance and rehabilitation can be planned. By using representative construction costs based on historic bid trends; planning level budget costs can be developed on a multiyear duration.

Airfield Pavement Inspection Methodology for the SAPMP

Pavement condition assessment requires the application of professional judgments regarding the condition of the pavement. The SAPMP airfield pavement condition survey inspections assess pavement, comparing it to a set of standards in ASTM D 5340-12. As part of this update, SAPMP has adopted the changes made in updates to ASTM D 5340-12. These include the separation of Weathering and Raveling into two distinct flexible pavement distresses, and the addition of the Alkali-Silica Reaction distress for rigid pavement distresses. Additionally, the deterioration associated with the rigid pavement distress Scaling/Map Cracking has been modified which results in moving Map Cracking from Scaling to ASR. In the newest version of ASTM D 5340-12, there are two kinds of Shrinkage Cracking, Drying Shrinkage and Plastic Shrinkage. The difference between these two is that the depth of first one may extend through the entire depth of the slab while the thickness of the latter one normally does not extend very deep into the pavement's surface. Furthermore, the Plastic Shrinkage consists of two subcategories: Plastic shrinkage (caused by atmosphere) and Plastic shrinkage (caused by construction). Another kind of Map Cracking is listed under Plastic shrinkage that is caused by construction, as well as Crazing. This additional type of Shrinkage change in distress classification, as described in ASTM D 5340-12, may result in small variances in the PCI values from the previous inspection analysis.

The pavement condition surveys assess the functional condition of the pavement surface based on surface distresses as defined by the ASTM D 5340-12. Typically, deficiencies within a pavement structure will eventually reflect to the pavement surface as distresses described within ASTM D 5340-12. The SAPMP is specifically a visual evaluation and analysis based on the ASTM D 5340-12. The structural condition and relative support of the pavement layers can be directly quantified



using non-destructive deflection testing (NDT) as well as other in-depth engineering evaluation or sampling and testing methods.

For the SAPMP update, only visual surveys were performed. Further structural and geotechnical testing should be conducted to determine design level rehabilitation and/or reconstruction needs should the airport proceed to the design process.

In preparation for the PCI survey inspections, the airfield pavements for each airport are divided into branches, sections, and sample units as established by FAA Advisory Circular 150/5380-6C and ASTM D 5340. Further discussion of the process of inventorying and categorizing pavement facilities by use, composition, and history can be found in SECTION 2 AIRFIELD PAVEMENT NETWORK DEFINITION and PAVEMENT INVENTORY.

Sample units are uniformly divided areas of pavement that are defined for inspection. Sample unit sizes are approximately $5,000 \pm 2,000$ square feet for flexible AC pavements and 20 ± 8 slabs for rigid PCC pavements. Prior to conducting the field condition survey inspections, the sampling plan was developed for the airfield pavements based on updates to the previous inspection sampling based on the available knowledge of construction updates. The sample rate adopted for the SAPMP is depicted on Table 1-1.

Table 1-1: Sampling Rate Schedule for SAPMP PCI Survey Inspections

Flexible Pavements Asphalt Concrete						
Number of Sample Units in Section	Number of Sample Units to Inspect Runway Taxiways, Aprons, 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	20% but ≤ 20	10% but ≤ 10				

Rigid Pavements Portland Cement Concrete							
	Number of Sar	mple Units to Inspect					
Number of Sample Units in Section	Runway Taxiways, Aprons, 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	20% but ≤ 20	10% but ≤ 10					



The sample units to be inspected were determined through a systematic random sampling technique to provide an unbiased representation of sample units for each pavement facility. The sample unit locations had been determined in such a way that they are distributed evenly throughout each defined pavement section area. In certain cases when no representative distresses are observed in the field, additional sample units were added.

The distress quantities and severity levels from each inspected sample unit are used to compute the PCI value and rating for each Section using the ASTM D 5340-12 and MicroPAVER (also known currently as PAVER) software. Figures 1-2 and 1-3 depict graphical representations of the color ranges associated with PCI values and ranges with a photograph of airfield pavement that exhibited the conditions for both flexible and rigid pavements respectively.

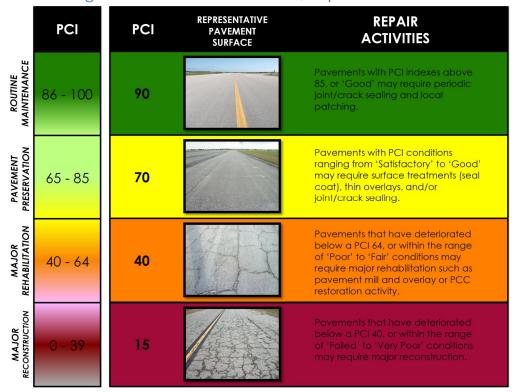


Figure 1-2: Flexible Pavement, Asphalt Concrete



REPRESENTATIVE PAVEMENT SURFACE REPAIR **PCI** PCI **ACTIVITIES** ROUTINE MAINTENANCE Pavements with PCI indexes above 85, or 'Good' may require periodic 86 - 100 90 joint/crack sealing and local PAVEMENT PRESERVATION Pavements with PCI conditions ranging from 'Satisfactory' to 'Good' 70 65 - 85 may require surface treatments, patches, and/or joint/crack sealing. MAJOR REHABILITATION Pavements that have deteriorated below a PCI 64, or within the range of 'Poor' to 'Fair' conditions may 40 40 - 64 require major rehabilitation such as Slab replacement and PCC restoration activity. MAJOR RECONSTRUCTION 15

Figure 1-3: Rigid Pavement, Portland Cement Concrete

Using the ASTM D 5340-12 standard seven qualitative ranges, the SAPMP provides a PCI value and a standard qualitative condition rating for the pavement facilities inspected.



2. AIRFIELD PAVEMENT NETWORK DEFINITION AND PAVEMENT INVENTORY

The Florida Keys Marathon Airport (MTH) consists of a single runway; RW 7-25, which is 100-ft wide by 5,000-ft long. Parallel Taxiway Alpha is 50-ft wide and is used to direct traffic to and from the active runway. Currently the airport has multiple T-Hangar and apron tie-down spaces located along the south side of Taxiway Alpha. The majority of the pavement throughout the airport is constructed out of Asphalt Concrete, with exception to the main Portland Cement Concrete apron at the terminal building.

It is important to note that the aforementioned runway data in addition to the remaining airfield pavement facilities geometric attributes may vary slightly from the geometry used in the condition exhibit in Appendix B and the major rehabilitation exhibit in Appendix F based on field measurements.

Marathon Airport was originally constructed by the United States Navy in the early 1940's as Outlying Field Marathon, an auxiliary airfield to Naval Air Station Key West. The airfield was deactivated at the end of World War II and ownership was transferred over to the government of Monroe County. For most of its existence, the airport has been a general aviation facility.

2.1 Network Definition

The airfield pavements within each airport network are separated into manageable units within the FDOT SAPMP MicroPAVER database system, organizing pavement data by similar use and constructive history.

Branch and Section Identification

Each airport's airfield pavement network is generally subdivided into separate Branches (runways, taxiways, aprons/ramps, or others) that have distinctly different functional identifications and uses. Each Branch is further subdivided into Sections as defined by pavement location, composition, and construction history. A Section is typically understood to be a project level subdivision within a Branch feature. Sections are manageable units to organize data collection and are treated individually during the maintenance and major rehabilitation planning process. A pavement rank (primary, secondary, or tertiary) is assigned to each Section based on its importance and type of use to airport operations. The pavement rankings designated for each section at this airport were defined by the previous SAPMP, unless changes were communicated by the airport. These



Sections are further subdivided into condition survey sample units based on the methodology described in ASTM D 5340.

Airfield Pavement System Inventory and Network Definition Update

The Airfield Pavement System Inventory and Airfield Pavement Network Definition Exhibits are developed individually for each participating airport. Based on information requested of and provided by the airport, the airfield pavements are evaluated on designation updates, and recent or anticipated pavement construction activity. As mentioned previously, a Section is defined partially by its construction history of which is factored in the performance and condition of the pavement section.

The Airfield Pavement System Inventory Exhibit, Figure A-2 in Appendix A, is a snapshot of recent and anticipated airfield pavement construction activity communicated by the airport since the last SAPMP update. Construction activities identified include maintenance and repair activity, major rehabilitation, and airfield pavement expansion efforts. Maintenance and repair activity may include; surface treatments, crack sealing, patching, slab replacement, and others. Both maintenance and rehabilitation activities are identified at the pavement section level. This type of work may result in an increase in overall Section PCI since the last inspection. Major rehabilitation efforts may include; asphalt milling and overlay, and full depth pavement reconstruction. This type of effort will result in a resetting of the pavement section PCI value to 100 due to the nature of the work. Lastly, airfield pavement expansions are accounted for as new inventory and assigned a section PCI of 100. Typically the new pavement sections are not inspected due to its condition; however these pavements are incorporated into the SAPMP pavement database. When possible, these changes are reflected in the Airfield Pavement Network Definition Exhibit, in Appendix A, prior to the field inspection. The updates are typically discussed and confirmed with airport personnel at the beginning and end of condition survey inspections to ensure accuracy.

The Airfield Pavement Network Definition Exhibit depicts the airport's pavement limits with Branch and Section delineations. This exhibit also includes the subdivision on Section areas into sample units and is used to identify those sample units that are to be inspected. The previous SAPMP Airfield Pavement Network Definition Exhibits were used as a base. Updates and information provided by each airport was reviewed and the exhibits were revised appropriately. Characteristics that are considered include; airfield configuration, branch designations (magnetic declination, Airport Layout Plan updates) and pavement



composition. The exhibit serves not only as a primary guide for the airfield inspectors but also allows specific distresses found in the re-inspection report to be geographically located.

Due to recent and anticipated construction efforts; pavement area sections may have been consolidated or created which will affect the total number of sample units to be inspected based upon the methods described in ASTM D 5340 and from the sampling rate schedule. Table 2-1 summarizes the recent and anticipated airfield pavement construction efforts communicated by the airport.

Table 2-1: Previous and/or Anticipated Airfield Pavement Construction



Airfield Pavement Network Definition & Geographic Information System (GIS)

As part of this SAPMP update, geographic information system (GIS), global positioning system (GPS), and digital data collection were integrated into the Pavement Inspection Methodology at each airport. Using AutoCAD Civil 3D, ArcMap, ArcPad, and FDOT Survey and Mapping Office Aerial Photography; digital navigation maps have been developed for each airport to represent the SAPMP pavement inventory attributes. These navigation maps were used with field data tablets to assist survey teams as they performed condition inspections by navigating pavement infrastructure and collecting distress data.

2.2 Pavement Inventory

The detailed pavement inventory database was updated to reflect the updates to the Airfield Pavement Network Definition Exhibit, in Appendix A, and field inspection results. Table 2-2 and Figure 2-1 provides a summary of the pavement inventory attributes at The Florida Keys Marathon Airport for this SAPMP update.



Table 2-2: Pavement Inventory Summary

Table 2 2: Favernett inventory summary					
Airfield Pavement Network Definition					
Number of Branches		11			
Number of Sections		34			
Sample Units		69			
Airfield	Pavement l	Jse			
Use	Area (SF)	Relative Area (%)			
Runway	812,653	45%			
Taxiway	480,268	27%			
Apron	503,152	28%			
Total =	1,796,073	100%			
Airfield I	Pavement T	ype			
Туре	Area (SF)	Relative Area (%)			
Asphalt Concrete (AC)	683,727	41%			
Asphalt Overlay (AAC)	857,116	52%			
Portland Cement Concrete (PCC)	109,184	7%			
AC over PCC (APC)	0	0%			



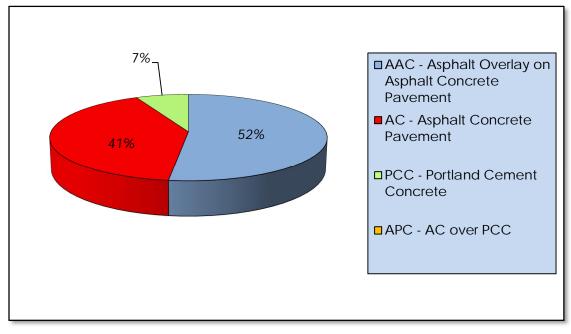


Figure 2-1: Airfield Pavement Type

Specific details to each Branch and Section such as; name, geometry, age, rank, surface type, and construction history are provided in Table 2-3.

Branch Name

Table 2-3: Airfield Pavement Inventory Details

Section True Section Surface Last Cord Area (SF) Rank Type Date

Branch Name	Branch ID	Section ID	True Area (SF)	Section Rank	Surface Type	Last Const. Date	Total Samples Inspected	Total Samples
BUNNAN TOE		(110	405.000	_		4 /4 /4 005	_	0.5
RUNWAY 7-25	RW 7-25	6110	125,200	Р	AAC	1/1/1985	5	25
RUNWAY 7-25	RW 7-25	6105	375,600	Р	AAC	1/1/1985	21	100
APRON E	AP E	4510	17,050	Т	AC	1/1/1999	1	4
APRON E	AP E	4505	35,198	T	AAC	9/1/2007	1	7
T-HANGAR APRONS	AP T-HAN	4405	37,434	Р	AC	12/25/1999	2	10
JET CENTER APRON	AP JET CTR	4320	5,504	Р	AC	1/1/1990	1	1
JET CENTER APRON	AP JET CTR	4315	60,631	Р	AC	12/25/1999	3	14
JET CENTER APRON	AP JET CTR	4310	17,801	Р	PCC	1/1/1987	1	4
JET CENTER APRON	AP JET CTR	4305	112,985	Р	AC	1/1/1990	3	25
TERMINAL APRON	AP TERM	4220	87,363	Р	PCC	1/1/1994	2	12
TERMINAL APRON	AP TERM	4210	18,371	Р	AC	1/1/1999	1	5



Branch Name	Branch ID	Section ID	True Area (SF)	Section Rank	Surface Type	Last Const. Date	Total Samples Inspected	Total Samples
TERMINAL APRON	AP TERM	4205	20,012	Р	AAC	1/1/1978	1	4
APRON AT FLIGHT CENTER	AP FLGHT C	4125	14,266	Р	AC	12/25/1999	1	3
APRON AT FLIGHT CENTER	AP FLGHT C	4120	18,521	Р	AC	1/1/1998	1	4
APRON AT FLIGHT CENTER	AP FLGHT C	4115	35,147	Р	AC	1/1/1966	2	8
APRON AT FLIGHT CENTER	AP FLGHT C	4110	4,020	Р	PCC	1/1/1983	1	1
APRON AT FLIGHT CENTER	AP FLGHT C	4105	269,634	Р	AC	1/1/1983	6	56
TAXIWAY E	TW E	405	43,530	Р	AC	12/25/1999	2	9
TAXIWAY D	TW D	310	7,468	Р	AAC	1/1/1998	1	1
TAXIWAY D	TW D	305	9,290	Р	AAC	1/1/1983	1	2
TAXIWAY C	TW C	210	3,873	Р	AAC	1/1/1998	1	1
TAXIWAY C	TW C	205	6,247	Р	AAC	1/1/1998	1	1
TAXIWAY E	TW E	155	5,103	Р	AAC	1/1/1998	1	1
TAXIWAY E	TW E	152	5,537	Р	AAC	1/1/1998	1	1
TAXIWAY B	TW B	151	10,711	Р	AAC	1/1/1998	1	2
TAXIWAY A	TW A	115	50,654	Р	AC	12/25/1999	2	14
TAXIWAY A	TW A	105	252,877	Р	AAC	1/1/1998	5	51

Note: If new construction, then survey date = last construction date and PCI is set to 100 by MicroPAVER.

* Sections not surveyed due to reasons such as re-sectioning, no escort, not accessible at the time of survey. Please refer to Section 3 for discussion on the updates to the ASTM D 5640 that may affect PCI in comparison to previous program update.



3. AIRFIELD PAVEMENT CONDITION

Airfield pavement distresses and condition were surveyed in accordance with the methods outlined in FAA Advisory Circular 150/5380-6C and ASTM D 5340-12. 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.

The program has been updated from ASTM D 5340-04, released in 2004, to ASTM D 5340-12, released in 2013, for this SAPMP update. The primary updates include the separation of certain distress types and the addition of new types with corresponding changes to PCI calculation. These changes in distress classification may result in small variances in the PCI values from the previous inspection analysis.

Below is a brief description of the changes to the distresses presented in the ASTM D 5340 methodology and a table summarizing the deduction affected.

- a) Flexible Asphalt Concrete Pavement distresses for airfield pavements: 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.
- b) Rigid Portland Cement Concrete Pavement distresses for airfield pavements: 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.

Distress Updates to Reflect ASTM 5340-12				
Use and Surface Type	Old 5340-04 Distress	New Distress	Deduct Curve	
	(52) Weathering & Raveling - Low	(52) Raveling - Low	No Change	
	(52) Weathering & Raveling - Medium	(52) Raveling - Medium	No Change	
AC/AAC/APC	(52) Weathering & Raveling - High	(52) Raveling - High	No Change	
Airfield	N/A	(57) Weathering - Low	New	
	N/A	(57) Weathering - Medium	New	
	N/A	(57) Weathering - High	New	
	(70) Scaling - Low	(70) Scaling - Low	New	
	(70) Scaling - Medium	(70) Scaling - Medium	New	
PCC Airfield	(70) Scaling - High	(70) Scaling - High	New	
	N/A	(76) Alkali Silica Reaction - Low	New	
	N/A	(76) Alkali Silica Reaction – Medium	New	
	N/A	(76) Alkali Silica Reaction - High	New	



3.1 Inspection Methodology

A pavement condition survey inspection is performed by measuring the amount and severity of defined pavement distresses observed within the boundaries of sample units. These distresses, as defined by ASTM D 5340, are generally caused by traffic fatigue loading, exposure to climate and elements, and other airfield specific factors. This data is collected by field personnel experienced in pavement condition survey inspection. Data collection is then transferred into the FDOT MicroPAVER database system. MicroPAVER (also known as PAVER) is used to calculate PCI values using the methodology described in ASTM D 5340-12. The values are calculated for each sample and extrapolated on a Section level to determine an area-weighted PCI value ranging from 0 to 100 and one of seven condition ratings. Tables 3-1 and 3-2 describe the distresses as defined by the ASTM D 5340-12 and adopted for the SAPMP procedures.



Table 3-1: Airfield Pavement Distresses for Asphalt Concrete

Code	Distress	Primary Mechanisms
41	Alligator Cracking	Load / Fatigue Failure
42	Bleeding	Construction Quality/ Mix Design
43	Block Cracking	Climate / Age
44	Corrugation	Load / Construction Quality
45	Depression	Subgrade Quality
46	Jet Blast	Aircraft
47	Joint Reflection - Cracking	Climate / Prior Pavement
48	Longitudinal/Transverse Cracking	Climate / Age
49	Oil Spillage	Aircraft / Vehicle
50	Patching	Utility / Pavement Repair
51	Polished Aggregate	Repeated Traffic Loading
52	Raveling	Climate / Load
53	Rutting	Repeated Traffic Loading
54	Shoving	PCC Pavement Growth / Movement
55	Slippage Cracking	Load / Pavement Bond
56	Swelling	Climate / Subgrade Quality
57	Weathering	Climate

Source: U.S. Army CERL, FDOT Airfield Inspection Reference Manual



Table 3-2: Airfield Pavement Distresses for Portland Cement Concrete

Code	Distress	Primary Mechanisms
61	Blow-up	Climate / Alkali Silica Reaction
62	Corner Break	Load Repetition / Curling Stresses
63	Linear Cracking	Load Repetition / Curling Stresses / Shrinkage Stresses
64	Durability Cracking	Freeze-Thaw Cycling
65	Joint Seal Damage	Material Deterioration / Construction Quality
66	Small Patch	Pavement Repair
67	Large Patch/Utility Cut	Utility / Pavement Repair
68	Popout	Freeze-Thaw Cycling
69	Pumping	Load Repetition / Poor Joint Sealant
70	Scaling/Crazing	Construction Quality / Freeze- Thaw Cycling
71	Faulting	Load Repetition / Subgrade Quality
72	Shattered Slab	Overloading
73	Shrinkage Cracking	Construction Quality / Load
74	Joint Spalling	Load Repetition / Infiltration of Incompressible Material
75	Corner Spalling	Load Repetition / Infiltration of Incompressible Material
76	Alkali-Silica Reaction	Construction Quality / Climate

Source: U.S. Army CERL, FDOT Airfield Inspection Reference Manual

3.2 Airfield Pavement Condition Index Rating Results

From the condition survey inspection performed in 2015 at The Florida Keys Marathon Airport, the overall weighted average PCI value is 62 representing a condition rating of Fair.

Overall the airport exhibited pavement distresses associated with climate, age of pavement, construction quality, fatigue loading, and subgrade quality. Asphalt concrete pavement distresses include: longitudinal and transverse cracking, block cracking, bleeding, alligator cracking, rutting, depression, oil spillage, swelling, patching, raveling, and weathering. PCC pavements exhibited shattered slab, shrinkage cracking, corner break, joint spalling, scaling/crazing, linear cracking, joint seal damage, corner spalling, and small patch.



Runway 7-25 is composed of asphalt concrete pavement and exhibited low and medium severity longitudinal cracking, low to high severity raveling, and low severity weathering. The medium severity longitudinal and transverse cracking occurred along the centerline paving joint. This distress is common along the joints since the pavement is weakest at the joint. Varying severities of raveling were observed, with the high and medium severity occurrences located in the center line and wheel path areas.

Taxiway Alpha is a full length parallel taxiway servicing Runway 7-25 and is composed of asphalt concrete pavement. Distresses observed include: longitudinal and transverse cracking, block cracking, rutting, depressions, raveling, and weathering. The presence of structural distresses, rutting and depressions, within Taxiway Alpha indicate subgrade quality issues and/or an inadequate pavement section.

The remainder of asphalt concrete taxiway pavement distresses include: longitudinal and transverse cracking, block cracking, raveling, depression, and weathering. The majority of these distresses are climate and pavement age related distresses with the exception of depression. Depressions are an indication of subgrade quality issues and when filled with water, can cause hydroplaning of aircraft.

The majority of apron pavements composed of asphalt concrete exhibited longitudinal and transverse cracking, patching, block cracking, swelling, depressions, oil spillage, raveling, and weathering. Isolated areas of alligator cracking, bleeding, rutting, shoving were observed at the Flight Center Apron. The apron PCC pavements exhibited shattered slab, shrinkage cracking, corner break, joint spalling, scaling/crazing, linear cracking, joint seal damage, corner spalling, and small patch.

Appendix B contains Table B-1 which summarizes the Section Condition Values and an Airfield Pavement Condition Index Rating Exhibit, Figure B-1, which depicts the PCI results by Section. Appendix C contains MicroPAVER reports of PCI results by Branch and Section. Appendix H includes the most current detailed distress data generated by MicroPAVER for each inspected sample unit for this update.

The pavement condition at The Florida Keys Marathon Airport is represented in Figure 3-1 in accordance with the condition categories and PCI scale referenced



in ASTM D 5340. Further detail is provided in Table 3-3 which describes the breakdown of the airport's airfield conditions according to area and use.

Airfield PCI Distribution 100% 79% 80% Pavement Area (%) 60% ■Good: 86-100 □ Satisfactory: 71-85 40% □ Fair: 56-70 ■ Poor: 41-55 20% 11% 9% 1% 0% □ Very Poor: 26-40 0% 0% 0% Fair. Sb.10 ■ Serious: 11-25 ■Failed: 0-10 **Pavement Condition Rating**

Figure 3-1: Airfield Pavement Condition Index Rating Summary



Table 3-3: Pavement Condition Index Rating Summary

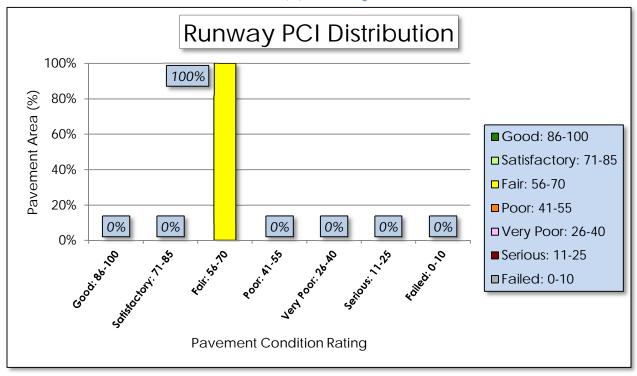
Airfield Pavement Use					
Use	Average Area- Weighted PCI	Condition Rating			
Runway	61	FAIR			
Taxiway	68	FAIR			
Apron	60	FAIR			
	Condition Area				
Condition Rating	Area (SF)	Relative Area (%)			
Good	-	0%			
Satisfactory	143,433	9%			
Fair	1,305,653	79%			
Poor	177,636	11%			
Very Poor	23,305	1%			
Serious	-	0%			
Failed	-	0%			

Approximately 9% of the airfield network is in Good and Satisfactory condition, while 12% of the network is in a Poor to Failed condition. Table 3-3 provides a breakdown of total area for each pavement by condition rating. Figures 3.2 a, b, c depict the condition rating of the airfield pavement by Branch Use. Photographs taken during the condition survey inspection are included in Appendix G. The photographs included are intended to be representative of the distress observed.

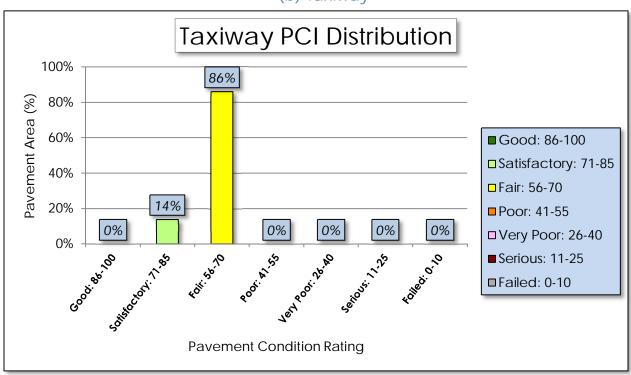


Figure 3-2: Percentage of Pavement Area by Condition Rating by Use

(a) Runway

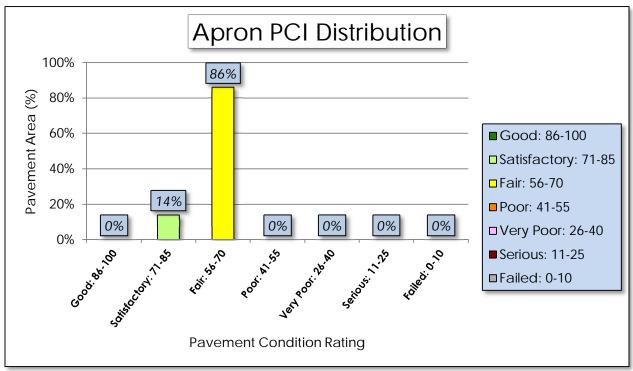


(b) Taxiway





(c) Apron





4. PAVEMENT PERFORMANCE

Pavement performance models are developed from the distress data collected for the SAPMP for the Florida Airports System. This data is consolidated in a database and organized by inspection date, pavement type, age, pavement use, and airport category. The pavement performance models are used to develop broad prediction models, also known as pavement condition deterioration curves.

The consolidation of the Florida Airports System's pavement infrastructure within the FDOT SAPMP is based on data that has been collected in a consistent method of measurement. The historic pavement condition, or performance trend, has been compiled throughout the system with data from the inception of the SAPMP. This data is processed into models that have been analyzed and developed into prediction curves based upon pavement characteristics. These characteristics include; climate, construction material, and operations. Each model has been developed based on the following criteria:

AIRPORT TYPE (Primary, Regional Reliever, or General Aviation)

>FACILITY USE (Runway, Taxiway, or Apron)

>>FACILITY SURFACE TYPE (AC, AAC, APC, or PCC)

The historic trends of pavement performance at Florida airport facilities for all performance models are consolidated within the program database. This information is utilized in the prediction of pavement performance based on the current PCI determined from the inspections that took place between 2013 and 2015. Major rehabilitation is planned based on the predicted PCI. The intent of this is for both the individual airport and the FDOT District personnel to be aware of anticipated major rehabilitation work based on condition.

Each airport's airfield pavement section condition, for a given inspection year, is one data point that was used as the basis of each performance trend using a performance model based on pavements of similar background. Figures 4-1, 4-2, and 4-3 represent the pavement performance prediction at The Florida Keys Marathon Airport based on pavement use. Each figure depicts the FDOT recommended Minimum Service Level PCI value for each facility use.



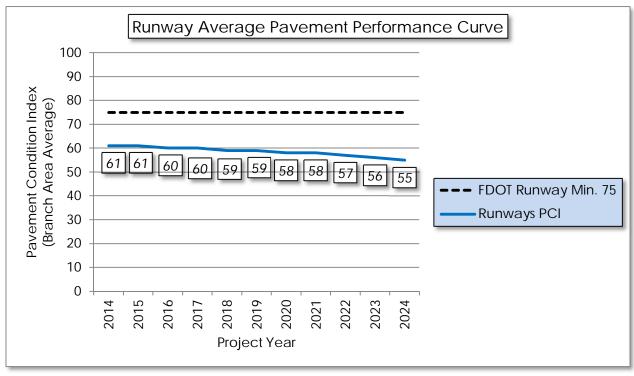
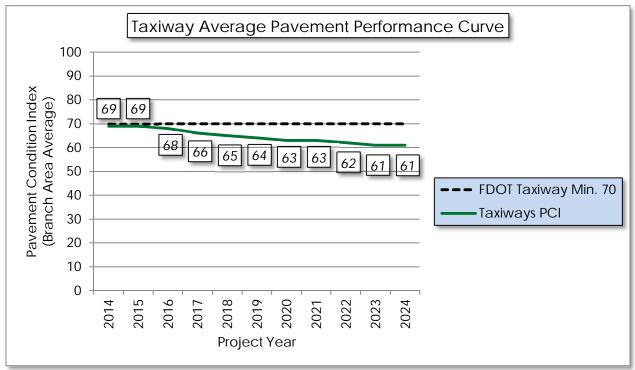


Figure 4-1: Runway Pavement Performance Prediction Summary







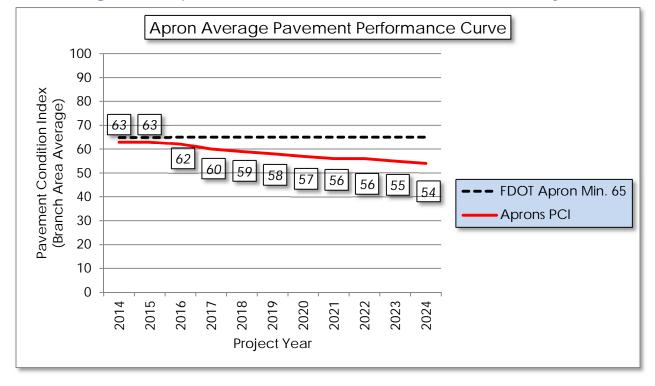


Figure 4-3: Apron Pavement Performance Prediction Summary

Pavement performance modeling to predict the future PCI is primarily done to predict PCI at the Section level for the purpose of planning Major Rehabilitation work. In Appendix D, Table D-1 represents the predicted area-weighted PCI by Section for the airport's airfield pavement infrastructure.



5. AIRFIELD PAVEMENT MAINTENANCE POLICIES AND COSTS

5.1 Policies

Airfield Pavement Maintenance policies are guidance on pavement construction methods used to develop, maintain, repair, and rehabilitate pavement infrastructure based on distresses encountered during the condition surveys.

Maintenance refers to the repair and preservation-type activities that are applied locally to specific distress types on the pavement. These activities for the SAPMP are considered preventative and corrective in nature and are highly recommended to help improve pavement performance and extend pavement life. The SAPMP maintenance policies are based on the FAA Advisory Circular 150/5380-6C and guidance provided in the FDOT Airfield Pavement Repair Manual.

For the purpose of the SAPMP; the maintenance repair needs that are identified and quantified are based solely on the pavement distresses observed and recorded at the time of the inspection. Based on a specific distress type and severity observed, a particular repair work type is recommended and quantified based on the extrapolated section distresses. The repair program identified is specific to the current distresses. Future maintenance planning budgets are based on this initial determination. Tables 5-1 and 5-2 provide the list of maintenance activities incorporated into the SAPMP MicroPAVER database to treat specific distress types and severities.



Table 5-1: Recommended AC, AAC, and APC Maintenance and Repair Policy

Surface Type	Distress Code	Distress Name	Severity	Maintenance Work Type	Work Unit
	41	Alligator Cracking	L, M, H	Full Depth Pavement Patch	Square Feet
	42	Bleeding	N/A	Partial Depth Pavement Patch	Square Feet
	43	Block Cracking	L	Seal Coat Treatment	Square Feet
	43	Block Cracking	M, H	Full Depth Pavement Patch	Square Feet
	44	Corrugation	L, M, H	Full Depth Pavement Patch	Square Feet
	45	Depression	L, M, H	Full Depth Pavement Patch	Square Feet
	46	Jet Blast Erosion	L, M, H	Full Depth Pavement Patch	Square Feet
	47	Joint Reflection Cracking	L	Crack Sealing	Linear Feet
(1)	47	Joint Reflection Cracking	M, H	Full Depth Pavement Patch	Square Feet
Texible Asphalt Concrete (AC, AAC, APC)	48	Longitudinal/Transverse Cracking	L, M, H	Crack Sealing	Linear Feet
alt Co C, AP(49	Oil Spillage	L, M	Seal Coat Treatment	Square Feet
ole Asphalt Con (AC, AAC, APC)	49	Oil Spillage	Н	Full Depth Pavement Patch	Square Feet
exible (AC	50	Patch and Utility Patching	М	Full Depth Pavement Patch	Square Feet
FIE	50	Patch and Utility Patching	Н	Full Depth Pavement Patch	Square Feet
	51	Polished Aggregate	L, M, H	Slurry Seal Coat Treatment	Square Feet
	52	Raveling	L, M	Slurry Seal Coat Treatment	Square Feet
	52	Raveling	Н	Partial Depth Pavement Patch	Square Feet
	53	Rutting	L, M, H	Full Depth Pavement Patch	Square Feet
	54	Shoving	L, M, H	Grinding / Removal	Square Feet
	55	Slippage Cracking	L, M, H	Full Depth Pavement Patch	Square Feet
	56	Swelling	M, H	Full Depth Pavement Patch	Square Feet
	57	Weathering	M, H	Seal Coat Treatment	Square Feet



Table 5-2: Recommended PCC Maintenance and Repair Policy

Surface Type	Distress Code	Distress Name	Severity	Maintenance Work Type	Work Unit
	61	Blowup	L, M, H	Slab Replacement / Full Depth Patch	Square Feet
	62	Corner Break	L, M, H	Partial Slab Full Depth Patch - PCC	Square Feet
	63	Longitudinal/Transverse/Diagonal Cracking	Н	Crack Sealing - PCC	Linear Feet
	64	Durability Cracking	M, H	Slab Replacement / Full Depth Patch	Square Feet
	65	Joint Seal Damage	L, M, H	Joint Seal Repair (Local)	Linear Feet
	66	Patching, Small	M, H	Partial Slab Full Depth Patch - PCC	Square Feet
ment	67	Patching, Large	M, H	Partial Slab Full Depth Patch - PCC	Square Feet
Rigid Pavement (PCC)	69	69 Pumping		L, M, H Stabilization / Slab Jacking	
Rig	70	Scaling/Map Cracking/Crazing	L, M	Micro-mill and Seal - PCC	Square Feet
	70	Scaling/Map Cracking/Crazing	Н	Slab Replacement / Full Depth Patch	Square Feet
	71	Settlement / Faulting	L	Micro-mill and Seal - PCC	Square Feet
	71	Settlement / Faulting	M, H	Slab Stabilization / Slab Jacking	Square Feet
	72 Shattered Slab		L, M, H	Slab Replacement / Full Depth Patch	Square Feet
	73	Shrinkage Cracks	N/A	Crack Sealing - PCC	Linear Feet
	74	Longitudinal/Transverse Joint Spalling	L, M, H	Partial Patch - PCC	Square Feet



Surface Type	Distress Code	Distress Name	Severity	Maintenance Work Type	Work Unit
	75	Corner Spalling	L, M, H	Partial Patch - PCC	Square Feet
	76	Alkali-Silica Reaction	L	Seal Coat Treatment	Square Feet
	76	Alkali-Silica Reaction	M	Micro-mill and Seal - PCC	Square Feet
	76 Alkali-Silica Reaction		Н	Slab Replacement / Full Depth Patch	Square Feet

Though proactive pavement maintenance and preservation is recommended in an APMS; it is recognized that pavement that has deteriorated below a certain PCI would benefit more from major rehabilitation rather than localized maintenance and repair work. Major rehabilitation is recommended when the pavement condition decreases below a critical point such that the deterioration is extensive or the rate of deterioration is so great that maintenance repair efforts are no longer cost-efficient. This critical point is called "Critical PCI". The critical PCI levels for different pavement and branch types were established by the FDOT and were used in this update to develop a maintenance and major rehabilitation plan for the airport. Sections that are above the "Critical PCI" levels will be recommended for maintenance, repair, and preservation treatments, assuming there are no significant load-related distresses. For those Sections below the Critical PCI, the recommended action will consist of major rehabilitation work. This approach is used for the Section's Current PCI value and the predicted PCI value for future rehabilitation.

The FDOT has recommended minimum service level PCI for airports based on pavement facility use, airport type, and expected loading frequency. This minimum service level PCI is recommended to ensure the pavement provides a safe operational surface and efficiently uses maintenance and rehabilitation budgets. Separately, the Critical PCI is a value based on historic pavement performance trends and costs. It is at a PCI value of 65, for most airports, at which major rehabilitation is recommended over maintenance level efforts. Table 5-3 identifies the FDOT recommended PCI by use and the critical PCI value for the most important pavements at the airport. This is due to the condition of the pavement and the cost effectiveness of the work. A very important concept of a good pavement management system is the proactive preservation of



pavements that are above Critical PCI condition. Conversely, allowing pavement to deteriorate beyond maintenance and performing "worst first" major rehabilitation may cost much more over the life of a pavement.

Use	FDOT Recommended PCI	Critical PCI
Runway	75	65
Taxiway	70	65

65

65

Apron

Table 5-3: Critical and Minimum Service Level PCI for Primary Airports

Based on historic trends of pavement performance and industry standard practices in pavement maintenance and rehabilitation, the SAPMP included general guidance on construction activity based on condition PCI, as shown on Table 5-4. It is recommended that further investigation of underlying pavement conditions is performed at the design phase.

Table 5-4: Maintenance and Major Rehabilitation Activity Based on PCI

Category	Activity	PCI Range
	Crack Sealing (AC/PCC) Crack Sealing (AC/PCC)	
Maintenance	Partial Depth Patching (AC)	75 - 90
	• Full Depth Patching (AC/PCC)	
	Surface Treatment (AC)	
	Mill and Overlay (AC)	
Rehabilitation	 Concrete Pavement Restoration (PCC) 	40 - 74
	 Full Depth Pavement Reconstruction 	0 - 39

The PCI standard scale ranges from a value of 0, typically representing a pavement in a failed condition, to a value of 100 which typically represents a pavement in new or good condition. Generally, airfield pavement sections with a PCI of 75 or higher that are not exhibiting distresses due to aircraft loading will benefit from maintenance activities such as crack sealing, patching, and surface treatments. Pavement sections with PCI values within the range of 40 to 74 may require major rehabilitation, such as a mill and overlay. Lastly, pavement sections with a PCI value of 40 or less are recommended to undergo pavement



reconstruction. Generally pavement reconstruction is the only practical means of restoration due to the substantial distresses observed in the pavement structure. Since PCI values are based solely on the visual determination of pavement distresses and deterioration, this method does not provide a direct measure of structural integrity.

5.2 Unit Costs

The FDOT SAPMP developed and updated the maintenance and major rehabilitation costs based on public cost databases for airport and highway pavement construction. Additionally, cost data collected from FDOT and FAA sponsored projects in the Florida Airports System were utilized to identify construction cost trends across the state.

The maintenance, repair, and preservation activity costs have been updated and developed using readily available construction cost data at the time of this update. The costs depicted in this report for both maintenance and major rehabilitation are intended for planning purposes.

5.3 Maintenance, Repair, and Major Rehabilitation

FDOT recognizes that although pavement mill and overlay is recommended for flexible asphalt concrete pavement within a PCI range from 40 to 74, it is conceivable that airports may not have adequate funding to perform this type of major rehabilitation. A comprehensive surface treatment; per the treatments described in FAA AC 150/5370-10G Standards for Specifying Construction of Airports, as a maintenance rehabilitation activity, can be used in lieu of asphalt concrete pavement mill and overlay. However, it should be understood that these measures provide only a short term extension of pavement life. While the cost of surface treatments are significantly lower than that of pavement mill and overlay, it is not intended or implied to be a full rehabilitative measure for long term benefit. Table 5-5 and Table 5-6 provide budget costs associated with the work types shown in the table.



Table 5-5: AC Maintenance Unit Costs

Surface Type	Maintenance Work Type	Cost	Work Unit
	Full Depth Pavement Patch	\$5.00	Square Feet
Concrete APC)	Partial Depth Pavement Patch	\$3.00	Square Feet
alt Co C, AP(Seal Coat Treatment	\$0.55	Square Feet
Asph (C, AA	Crack Sealing	\$2.75	Linear Feet
Flexible Asphalt (AC, AAC,	Slurry Seal Coat Treatment	\$0.55	Square Feet
	Grinding / Removal	\$2.10	Square Feet

Table 5-6: PCC Maintenance Unit Costs

Surface Type	Maintenance Work Type	Cost	Work Unit
	Slab Replacement / Full Depth Patch \$45.		Square Feet
	Partial Patch - PCC	\$19.10	Square Feet
nent	Crack Sealing - \$4.25		Linear Feet
Rigid Pavement (PCC)	Joint Seal Repair (Local)	\$3.00	Linear Feet
Rigid	Slab Stabilization / Slab Jacking	\$45.00	Square Feet
	Micro-mill and Seal - PCC	\$1.00	Square Feet
	Seal Coat Treatment	\$1.00	Square Feet

As part of the SAPMP update, the distress data observed at each airport during the inspection is extrapolated on a section basis to make maintenance recommendations. These recommendations are a direct result of the distress types, severities, and quantities observed at the time of inspection. The maintenance recommendations and planning costs are correlated with the airport's airfield pavement network's overall area weighted PCI and used to plan



future maintenance costs. Future maintenance costs are planning budgets that are not specific to a pavement section, but are estimates for the entire airfield. Table 5-7 provides budget costs associated with the rehabilitation activities.

Table 5-7: Rehabilitation Activities and Unit Costs by Condition for Primary
Airports

Category	Activity	PCI Range	Cost/SqFt
	Mill and Overlay (AC)	40 74	\$13.00
Rehabilitation	Concrete Pavement Restoration (PCC)	40 - 74	\$18.00
	• Full Depth Pavement Reconstruction	0 - 39	\$23.00

A cost scale has been developed based on PCI to develop planning level budgets for the airfield pavements. The cost scale is adjusted by project year based on an assumed inflation rate of 3%. In Appendix E, Table E-1 summarizes the Year-1 maintenance and repair recommendations based on the most recent inspection. The summary in Table E-1 does not take into account any rehabilitation activities, but rather summarizes preventative activities for all PCI ranges, including below critical PCI sections.



MAJOR PAVEMENT REHABILITATION NEEDS

As part of the SAPMP, major pavement rehabilitation planning is developed based on current and predicted PCI in comparison with the Critical PCI. The Critical PCI has been determined based on the historic trends of pavement condition relative to the benefit of maintenance and repair activities. Pavement sections determined to have a PCI less than that of the Critical PCI are assumed to have deteriorated to a point at which maintenance and repair level activity would provide little benefit.

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 from a functionality perspective. In addition, major rehabilitation is also recommended when the Section PCI is above the Critical PCI but the Section has load-related PCI distresses. However, most major rehabilitation work is recommended when the Section PCI is below the Critical PCI, which is when maintenance and repair level activities are not considered to be cost effective.

Major rehabilitation is identified within the 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 and re-construction. This analysis was conducted with no constraints to budgets as a means to identify all pavement projects based on Critical PCI for a 10-year duration. It is recommended that the airport use this as a planning tool for future project development and prioritization. Table 6-1 depicts the major rehabilitation work identified on the pavement section level based on current and predicted pavement PCI.

Airports should consider the major rehabilitation work types of mill and overlay, PCC restoration, and reconstruction planning level classifications only. Additional design level investigation in accordance to the FAA Advisory Circulars will be required to identify specific areas within each section that are subject to reconstruction, mill and overlay, and PCC restoration. The work and budgets identified are intended for the planning level not the design level. Areas identified as mill and overlay may in fact require select areas of reconstruction should load-based distresses observed warrant it.



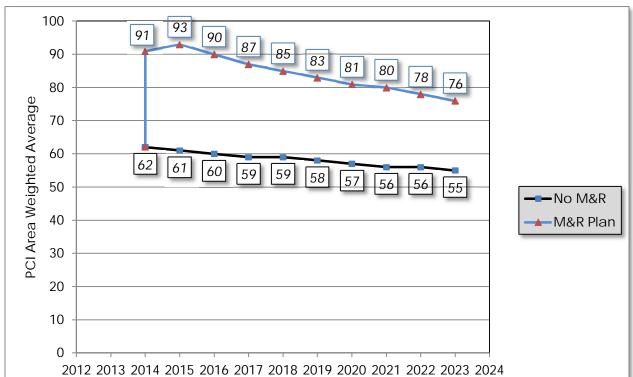
Table 6-1: Summary of Major Rehabilitation

			<u> </u>	,		
Year	Branch ID	Section ID	Major M&R Costs*	PCI Before M&R	M&R Activity	PCI After M&R
2015	AP E	4510	\$ 306,900.00	57	Mill and Overlay	100
2015	AP FLGHT C	4105	\$ 4,853,412.00	65	Mill and Overlay	100
2015	AP FLGHT C	4110	\$ 84,842.00	44	PCC Restoration	100
2015	AP FLGHT C	4115	\$ 632,646.00	59	Mill and Overlay	100
2015	AP FLGHT C	4120	\$ 333,378.00	64	Mill and Overlay	100
2015	AP JET CTR	4305	\$ 2,490,754.00	42	Mill and Overlay	100
2015	AP JET CTR	4310	\$ 409,423.00	31	Reconstruction	100
2015	AP JET CTR	4315	\$ 1,091,358.00	54	Mill and Overlay	100
2015	AP JET CTR	4320	\$ 126,592.00	30	Reconstruction	100
2015	AP TERM	4205	\$ 360,216.00	59	Mill and Overlay	100
2015	AP TERM	4210	\$ 330,678.00	59	Mill and Overlay	100
2015	AP TERM	4220	\$ 1,572,534.00	65	PCC Restoration	100
2015	RW 7-25	6105	\$ 6,760,800.00	61	Mill and Overlay	100
2015	RW 7-25	6110	\$ 2,253,600.00	62	Mill and Overlay	100
2015	TW B	151	\$ 192,798.00	61	Mill and Overlay	100
2015	TW C	210	\$ 69,714.00	65	Mill and Overlay	100
2015	TW D	305	\$ 167,220.00	63	Mill and Overlay	100
2016	TW A	105	\$ 4,688,340.00	65	Mill and Overlay	100
2020	AP E	4505	\$ 734,474.00	65	Mill and Overlay	100
2020	TW C	205	\$ 130,356.00	65	Mill and Overlay	100
2020	TW E	155	\$ 106,484.00	65	Mill and Overlay	100
2022	TW A	115	\$ 1,121,365.00	65	Mill and Overlay	100
		Total =	\$28,817,884.00			
P	are adjusted for inf			•	•	

^{*}Costs are adjusted for inflation at 3%.

The 10-year major rehabilitation program addresses those pavement sections that have a current or project PCI that is below the Critical PCI of 65 during the 10-year analysis period. The unconstrained or "unlimited budget" Major Rehabilitation Program is compared to a "No Major Rehabilitation Program" scenario in Figure 6-1. As shown, if no major rehabilitation work is completed in the next 10 years at your airport, the average PCI may be 21 points less than a plan that provides timely repairs to the airfield pavements.





Year

Figure 6-1: 10-Year Major Rehabilitation Budget Scenario Analysis



7. PREVENTATIVE AND MAJOR REHABILITATION PLANNING

The preventative and major rehabilitation results include activities that are based on distresses observed and unconstrained by budget limits. FDOT recognizes that the projects identified as Year-1 needs in 2015, based on condition, may exceed a typical annual budget level. It is recommended that each airport further evaluate each project's feasibility and desirability based on the airport's future development plans and budgeting scenarios.

In an effort to identify appropriate budget levels, the 10-year Preventative and Major Rehabilitation analysis evaluated projected budget needs based on predicted PCI of each pavement section. Table 7-1 and Figure 7-1 provides a summary of the expected preventative and major rehabilitation for each program year.

Table 7-1: 10-Year Preventative and Major Rehabilitation Summary

Program Year	Р	reventative	Má	ajor Rehabilitation	Total Year Costs	
2015	\$	157,783.97	\$	22,036,866.23	\$	22,194,650.20
2016	\$	65,585.71	\$	4,688,339.80	\$	4,753,925.51
2017	\$	76,122.81	\$	-	\$	76,122.81
2018	\$	134,569.30	\$	-	\$	134,569.30
2019	\$	212,618.92	\$	-	\$	212,618.92
2020	\$	301,887.89	\$	971,314.06	\$	1,273,201.95
2021	\$	390,815.53	\$	-	\$	390,815.53
2022	\$	452,384.40	\$	1,121,364.61	\$	1,573,749.01
2023	\$	530,483.62	\$	-	\$	530,483.62
2024	\$	593,140.30	\$	-	\$	593,140.30
				Total =	\$	31,733,277.15



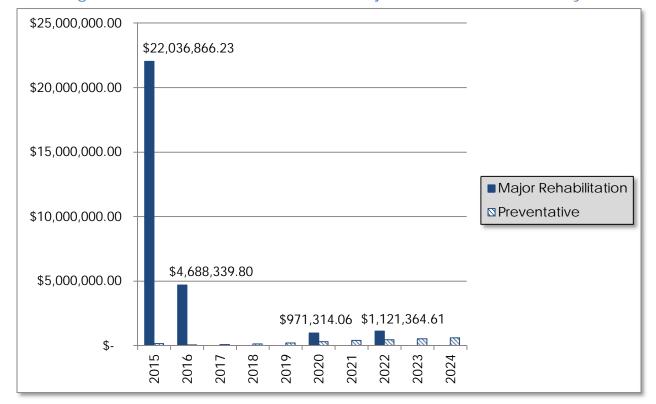


Figure 7-1: 10-Year Preventative and Major Rehabilitation Summary

According to the most recent inspections at the time of this update; the following pavement sections were identified as a Year-1 need for major rehabilitation:

- Runway 7-25 Sections 6105 and 6110
 - Mill and Overlay attributed to climate/age.
- East Apron Section 4510
 - Mill and Overlay attributed to climate/age.
- Jet Center Apron Sections 4305, 4315, and 4320
 - Reconstruction and Mill and Overlay attributed to climate/age and construction quality.
- Jet Center Apron Section 4310
 - Reconstruction attributed to structural, climate/age, and construction quality.
- Terminal Apron Section 4220
 - PCC Restoration attributed to structural, climate/age, and construction quality.
- Terminal Apron Sections 4205 and 4210
 - Mill and Overlay attributed to climate/age and construction quality.
- Flight Center Apron Sections 4105, 4115, and 4120



- Mill and Overlay attributed to structural, climate/age, and construction quality.
- Flight Center Apron Section 4110
 - PCC Restoration attributed to load and construction quality.
- Taxiway D Section 305
 - Mill and Overlay attributed to climate/age and construction quality.
- Taxiway C Section 210
 - Mill and Overlay attributed to climate/age and construction quality.
- Taxiway B Section 151
- Mill and Overlay attributed to climate/age and construction quality. Appendix E summarizes the preventative repair recommendations for Year-1 and Appendix F provides an exhibit, Airfield Pavement Major Rehabilitation that depicts the recommended major rehabilitation on the airfield pavement network according to work type and year.



8. VISUAL AID EXHIBITS

8.1 Airfield Pavement Network Definition Exhibit

The Airfield Pavement Network Definition Exhibit in Appendix A depicts the airfield layout in a manner that defines the airfield pavement infrastructure as branches, sections, and sample units in accordance with the ASTM D 5340-12. The exhibits are prepared and updated with information provided by the airport and from aerial imagery from the FDOT Surveying and Mapping publications.

8.2 Airfield Pavement System Inventory Exhibit

The Airfield Pavement System Inventory Exhibit in Appendix A depicts any recent airfield pavement construction activity reported by the airport. The exhibit is intended to identify pavement sections that may have changed in geometry and pavement composition that would affect the section delineation. The information provided in the Airport Response Form was used as the basis of the changes and confirmed with the airport personnel at the time of inspection.

8.3 Airfield Pavement Condition Index Rating Exhibit

The Airfield Pavement Condition Index Rating Exhibit in Appendix B has been prepared based on the section condition analysis of the distress data collected during the recent condition index rating survey. The exhibit graphically depicts the inventory with associated condition rating colors and PCI values.

8.4 Airfield Pavement Major Rehabilitation Exhibit

The Airfield Pavement Major Rehabilitation Exhibit in Appendix F has been prepared based on the section pavement performance model and major rehabilitation analysis. The exhibit graphically depicts the inventory with associated rehabilitation activity, program year, and the planning level costs.

8.5 Airfield Pavement Condition Survey Inspection Photographs

During the field condition survey inspection; inspectors photographed representative distress types observed. Select photographs are provided in Appendix G to provide visual support to special pavement conditions or distresses observed.



9. RECOMMENDATIONS

The recommendations developed are intended for the planning level for each airport. Additional project specific investigation in accordance with the FAA Advisory Circulars is recommended to further refine the project scope and budget requirements.

The following recommendations were made based on the 2015 condition survey inspection, condition analysis, and maintenance/rehabilitation analysis results:

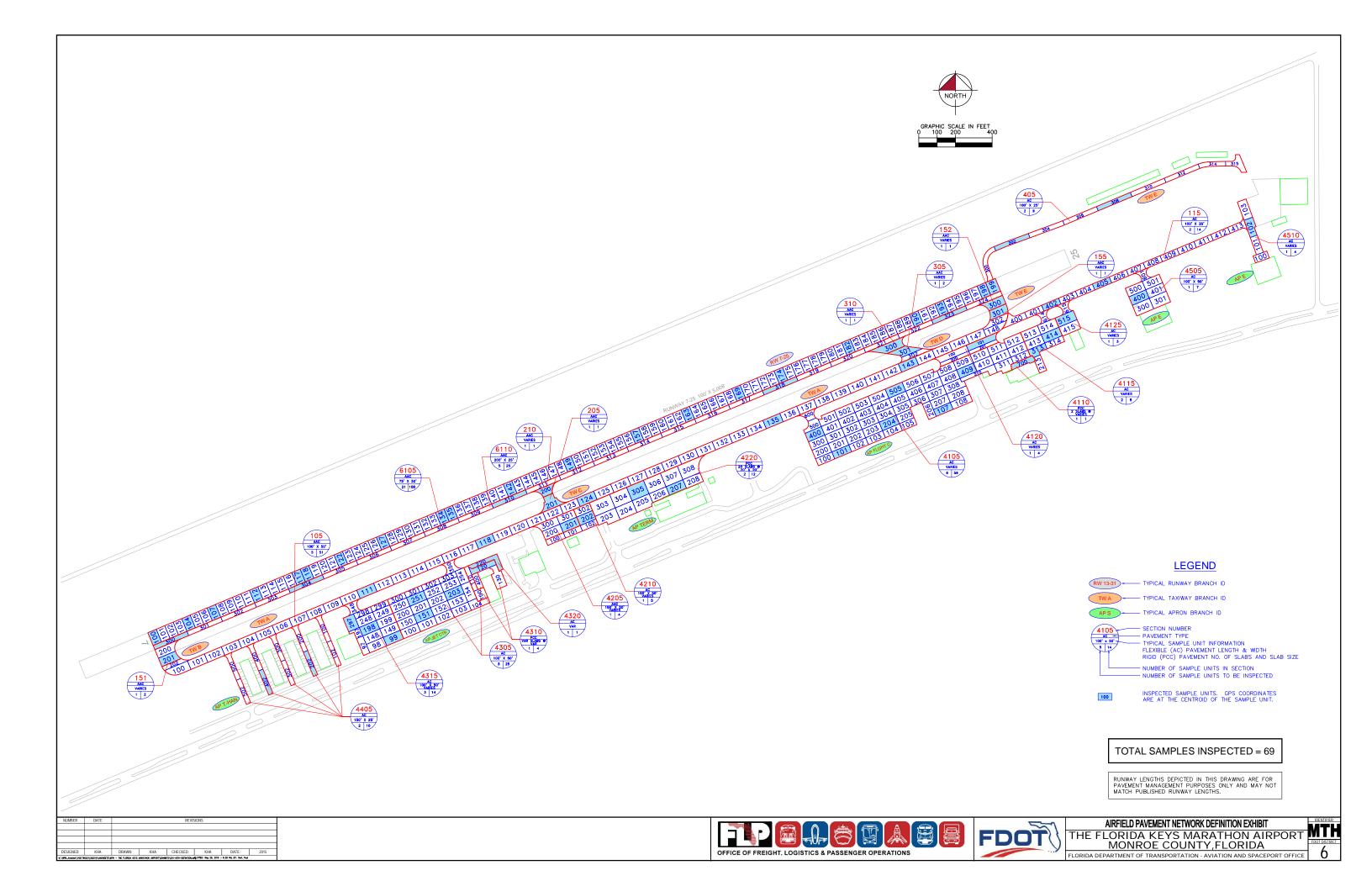
- Runway 7-25 Sections 6105 and 6110
 - Mill and Overlay attributed to climate/age.
- East Apron Sections 4505 and 4510
 - Mill and Overlay attributed to climate/age.
- Jet Center Apron Sections 4305, 4315, and 4320
 - Reconstruction and Mill and Overlay attributed to climate/age and construction quality.
- Jet Center Apron Section 4310
 - Reconstruction attributed to structural, climate/age, and construction quality.
- Terminal Apron Section 4220
 - PCC Restoration attributed to structural, climate/age, and construction quality.
- Terminal Apron Sections 4205 and 4210
 - Mill and Overlay attributed to climate/age and construction quality.
- Flight Center Apron Sections 4105, 4115, and 4120
 - Mill and Overlay attributed to structural, climate/age, and construction quality.
- Flight Center Apron Section 4110
 - PCC Restoration attributed to load and construction quality.
- Taxiway D Section 305
 - Mill and Overlay attributed to climate/age and construction quality.
- Taxiway C Sections 205 and 210
 - Mill and Overlay attributed to climate/age and construction quality.
- - Mill and Overlay attributed to climate/age and construction quality.
- Taxiway A Sections 105 and 115
 - Mill and Overlay attributed to climate/age, structural, and construction quality.



- Taxiway E Section 155
 - Mill and Overlay attributed to climate/age and construction quality.

APPENDIX A

- AIRFIELD PAVEMENT NETWORK DEFINITION EXHIBIT
- AIRFIELD PAVEMENT SYSTEM INVENTORY EXHIBIT
- PAVEMENT GEOMETRY INVENTORY
- WORK HISTORY REPORT



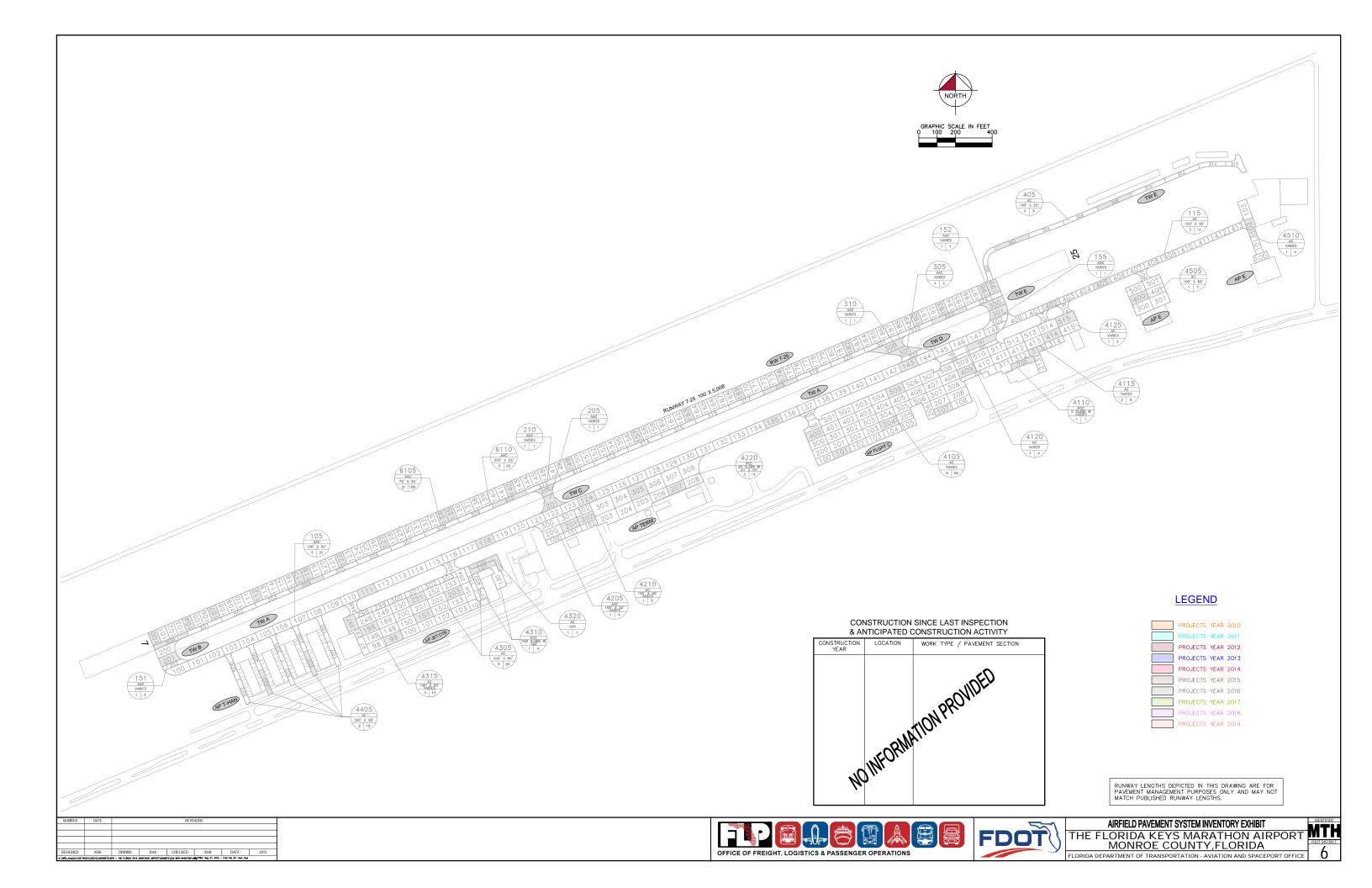




Table A-1: Pavement Geometry Inventory

Branch Name	Branch ID	Branch Use	Section ID	Length (FT)	Width (FT)	True Area (FT²)	Section Rank	Surface Type	Last Const. Date	Last Insp. Date	Total Samples
RUNWAY 7-25	RW 7-25	RUNWAY	6110	5,008	25	125,200	Р	AAC	1/1/1985	3/24/2015	25
RUNWAY 7-25	RW 7-25	RUNWAY	6105	5,008	75	375,600	Р	AAC	1/1/1985	3/24/2015	100
APRON E	AP E	APRON	4510	346	45	17,050	T	AC	1/1/1999	3/24/2015	4
APRON E	AP E	APRON	4505	200	163	35,198	T	AAC	9/1/2007	3/24/2015	7
T-HANGAR APRONS	AP T-HAN	APRON	4405	1,465	25	37,434	Р	AC	12/25/1999	3/24/2015	10
JET CENTER APRON	AP JET CTR	APRON	4320	350	23	5,504	Р	AC	1/1/1990	3/24/2015	1
JET CENTER APRON	AP JET CTR	APRON	4315	231	237	60,631	Р	AC	12/25/1999	3/24/2015	14
JET CENTER APRON	AP JET CTR	APRON	4310	580	30	17,801	Р	PCC	1/1/1987	3/24/2015	4
JET CENTER APRON	AP JET CTR	APRON	4305	231	510	112,985	Р	AC	1/1/1990	3/24/2015	25
TERMINAL APRON	AP TERM	APRON	4220	609	127	87,363	Р	PCC	1/1/1994	3/24/2015	12
TERMINAL APRON	AP TERM	APRON	4210	305	60	18,371	Р	AC	1/1/1999	3/24/2015	5
TERMINAL APRON	AP TERM	APRON	4205	205	95	20,012	Р	AAC	1/1/1978	3/24/2015	4
APRON AT FLIGHT CENTER	AP FLGHT C	APRON	4125	108	107	14,266	Р	AC	12/25/1999	3/24/2015	3
APRON AT FLIGHT CENTER	AP FLGHT C	APRON	4120	345	54	18,521	Р	AC	1/1/1998	3/24/2015	4
APRON AT FLIGHT CENTER	AP FLGHT C	APRON	4115	204	143	35,147	Р	AC	1/1/1966	3/24/2015	8
APRON AT FLIGHT CENTER	AP FLGHT C	APRON	4110	122	27	4,020	Р	PCC	1/1/1983	3/24/2015	1



Pavement Evaluation Report - The Florida Keys Marathon Airport

Branch Name	Branch ID	Branch Use	Section ID	Length (FT)	Width (FT)	True Area (FT ²)	Section Rank	Surface Type	Last Const. Date	Last Insp. Date	Total Samples
APRON AT	AP FLGHT										
FLIGHT CENTER	С	APRON	4105	1,300	245	269,634	Р	AC	1/1/1983	3/24/2015	56
TAXIWAY E	TW E	TAXIWAY	405	1,640	25	43,530	Р	AC	12/25/1999	3/24/2015	9
TAXIWAY D	TW D	TAXIWAY	310	60	110	7,468	Р	AAC	1/1/1998	3/24/2015	1
TAXIWAY D	TW D	TAXIWAY	305	110	110	9,290	Р	AAC	1/1/1983	3/24/2015	2
TAXIWAY C	TW C	TAXIWAY	210	50	56	3,873	Р	AAC	1/1/1998	3/24/2015	1
TAXIWAY C	TW C	TAXIWAY	205	75	56	6,247	Р	AAC	1/1/1998	3/24/2015	1
TAXIWAY E	TW E	TAXIWAY	155	50	100	5,103	Р	AAC	1/1/1998	3/24/2015	1
TAXIWAY E	TW E	TAXIWAY	152	50	100	5,537	Р	AAC	1/1/1998	3/24/2015	1
TAXIWAY B	TW B	TAXIWAY	151	100	100	10,711	Р	AAC	1/1/1998	3/24/2015	2
TAXIWAY A	TW A	TAXIWAY	115	1,420	35	50,654	Р	AC	12/25/1999	3/24/2015	14
TAXIWAY A	TW A	TAXIWAY	105	4,950	50	252,877	Р	AAC	1/1/1998	3/24/2015	51

Note: If new construction, then survey date = last construction date and PCI is set to 100 by MicroPAVER.

^{*} Sections not surveyed due to reasons such as re-sectioning, no escort, not accessible at the time of survey. Please refer to Section 3 for discussion on the updates to the ASTM D 5640 that may affect PCI in comparison to previous program update.

Date:04/12/2015

01/01/1987

IMPORTED

BUILT

Work History Report

1 of 5 Pavement Database:FDOT Network: MTH Branch: AP E (APRONE) Section: 4505 Surface: AAC L.C.D.: 09/01/2007 Use: APRON 163.00 Ft Rank T Length: 200.00 Ft Width: True Area: 35,198.00 SqF Work Work Work Thickness Major Comments Cost Date Code Description (in) M&R 09/01/2007 SR-AC Surface Reconstruction - AC \$0 0.00 True 01/01/1999 INITIAL **Initial Construction** \$0 2.00 True 2" AC/ 6" Limerock Branch: AP E Surface: AC Network: MTH (APRONE) Section: 4510 L.C.D.: 01/01/1999 Use: APRON Rank T Length: 346.00 Ft Width: 45.00 Ft True Area: 17,050.00 SqF Work Work Work Thickness Major Cost Comments Date Code Description (in) M&R 01/01/1999 INITIAL **Initial Construction** 2.00 True 2" AC / 6" Limerock Branch: AP FLGHT C Surface: AC Network: MTH (APRON AT FLIGHT CENTER) Section: 4105 L.C.D.: 01/01/1983 Use: APRON Rank P Length: 1,300.00 Ft Width: 245.00 Ft True Area:269,634.00 SqF Work Work Thickness Maior **Comments** Cost Date Code Description (in) M&R **IMPORTED** 01/01/1990 **REPAIR** False 1990 SEAL COAT 01/01/1983 **IMPORTED BUILT** 2.00 True 1983 P-625 2" P-401 8" P-211 Surface: PCC Network: MTH Branch: AP FLGHT C (APRON AT FLIGHT CENTER) Section: 4110 L.C.D.: 01/01/1983 Use: APRON True Area: 4,020.00 SqF Rank P Length: 122.00 Ft Width: 27.00 Ft Work Work Thickness Maior Comments Cost Description Date Code (in) M&R 01/01/1983 **IMPORTED BUILT** True 1983 PCC Network: MTH Branch: AP FLGHT C (APRON AT FLIGHT CENTER) Section: 4115 Surface: AC L.C.D.: 01/01/1966 Use: APRON True Area: 35,147.00 SqF Rank P Length: 204.00 Ft Width: 143.00 Ft Work Work Work Thickness Major Comments Cost Description Date Code (in) M&R True 01/01/1966 **IMPORTED BUILT** EST 1966 BIT Branch: AP FLGHT C (APRON AT FLIGHT CENTER) Network: MTH Section: 4120 Surface: AC L.C.D.: 01/01/1998 Use: APRON True Area: 18,521.00 SqF Rank P Length: 345.00 Ft Width: 54.00 Ft Work Work Work Thickness Major Comments Cost Date Code Description (in) M&R 01/01/1998 **IMPORTED OVERLAY** True 1998 TAPERED AC OVERLAY 01/01/1973 **IMPORTED BUILT** 4.00 True 1973 4" P401 ON 6" P211 Branch: AP FLGHT C (APRON AT FLIGHT CENTER) Surface: AC Section: 4125 L.C.D.: 12/25/1999 Use: APRON Rank P Length: 108.00 Ft Width: 107.00 Ft True Area: 14,266.00 SqF Work Work Work Thickness Major Comments Cost Code Description Date M&R (in) 12/25/1999 INITIAL **Initial Construction** 0.00 True Network: MTH Branch: AP JET CTR (JET CENTER APRON) Section: 4305 Surface: AC L.C.D.: 01/01/1990 Use: APRON Rank P Length: 231.00 Ft Width: 510.00 Ft True Area:112,985.00 SqF Work Work Work Thickness Major Comments Cost Description M&R Date Code (in) 01/01/1990 **IMPORTED BUILT** 2.00 True 1990 P-625 2" P-401 8" P-211 12" P-154 Branch: AP JET CTR Network: MTH (JET CENTER APRON) Section: 4310 Surface: PCC L.C.D.: 01/01/1987 Use: APRON Rank P Length: 580.00 Ft Width: 30.00 Ft True Area: 17.801.00 SqF Work Thickness Major Work Work Comments Cost Description M&R Date Code (in)

True

EST 1987 P-501

Date:04/12/2015

Work History Report

Pavement Database:FDOT

(JET CENTER APRON) Section: 4315 Surface: AC

2 of 5

Branch: AP JET CTR Network: MTH L.C.D.: 12/25/1999 Use: APRON Rank P Length: 237.00 Ft 231.00 Ft Width: True Area: 60,631.00 SqF

Work Work Work Thickness Major Comments Cost Description Date Code (in) M&R 12/25/1999 INITIAL 0.00 **Initial Construction** \$0 True

Network: MTH Branch: AP JET CTR (JET CENTER APRON) Section: 4320 Surface: AC L.C.D.: 01/01/1990 Use: APRON Rank P Length: 350.00 Ft Width: 23.00 Ft True Area: 5.504.00 SqF

Work Work Thickness Major Comments Cost Date Code Description (in) M&R 01/01/1990 INITIAL **Initial Construction** \$0 0.00 True

Surface: AAC Network: MTH Branch: AP TERM (TERMINAL APRON) Section: 4205 L.C.D.: 01/01/1978 Use: APRON Rank P Length: 205.00 Ft Width: 95.00 Ft True Area: 20,012.00 SqF

Work Work Work Thickness Major Comments Cost M&R Date Code Description (in) **IMPORTED** 01/01/1987 **REPAIR** False 1987 SEAL COAT 01/01/1978 **IMPORTED OVERLAY** 3.00 True 1978 3" P-401 01/01/1966 **IMPORTED BUILT** 1.00 True 1966 1" P-401 6" P-211

Network: MTH Branch: AP TERM (TERMINAL APRON) Section: 4210 Surface: AC L.C.D.: 01/01/1999 Use: APRON True Area: 18,371.00 SqF Rank P Length: 305.00 Ft Width: 60.00 Ft

Work Work Major Thickness Comments Cost Description Date Code (in) M&R True 01/01/1999 CR-AC Complete Reconstruction - AC \$0 2.00 2" AC / 6" Limerock **IMPORTED BUILT** 1978 P-625 4" P-401 6" P-211 01/01/1978 4.00 True

Network: MTH Branch: AP TERM (TERMINAL APRON) Section: 4220 Surface: PCC L.C.D.: 01/01/1994 Use: APRON 127.00 Ft True Area: 87,363.00 SqF Rank P Length: 609.00 Ft Width:

Work Work Work Thickness Major Comments Cost Description Date Code (in) M&R 01/01/1994 IMPORTED BUILT True 1994 P501 ON LIMEROCK

Network: MTH Section: 4405 Surface: AC Branch: AP T-HAN (T-HANGAR APRONS) L.C.D.: 12/25/1999 Use: APRON Rank P Length: 1,465.00 Ft Width: 25.00 Ft True Area: 37,434.00 SqF

Work Work Work Thickness Major Comments Cost Description Date Code M&R (in) INITIAL 12/25/1999 **Initial Construction** 0.00 True

OVERLAY

BUILT

01/01/1985

01/01/1966

IMPORTED

IMPORTED

Network: MTH Branch: RW 7-25 (RUNWAY 7-25) Section: 6105 Surface: AAC L.C.D.: 01/01/1985 Use: RUNWAY Rank P Length: 5,008.00 Ft Width: 75.00 Ft True Area: 375.600.00 SqF

Work Work Work Thickness Major Comments Cost Description Date Code M&R (in)

Network: MTH Branch: RW 7-25 (RUNWAY 7-25) Section: 6110 Surface: AAC L.C.D.: 01/01/1985 Use: RUNWAY Rank P Length: 5,008.00 Ft Width: 25.00 Ft True Area:125,200.00 SqF

Work Work Work Thickness Major Comments Cost Date Code Description M&R 01/01/1985 **IMPORTED** OVERLAY 1.50 1985 1.5" P-401 True 01/01/1966 **IMPORTED BUILT** 1.00 True 1966 1" P-401

1985 1.5-6" P-401 OL

1966 1" P-401 OL

6.00

1.00

True

True

Date:04/12/2015

Work

Work

Work History Report

Pavement Database:FDOT

(TAXIWAY A) Section: 105

3 of 5

Network: MTH Branch: TW A Surface: AAC L.C.D.: 01/01/1998 Use: TAXIWAY 4.950.00 Ft 50.00 Ft True Area:252,877.00 SqF Rank P Length: Width:

Work Work Work Thickness Major Comments Cost M&R Date Code Description (in) 1998 1.5" P401 OVERLAY **OVERLAY** 01/01/1998 **IMPORTED** 1.50 True 01/01/1978 **IMPORTED OVERLAY** 3.00 True 1978 3" P401 01/01/1973 **IMPORTED BUILT** 1.00 True 1973 1" P401 ON 6" P211

Network: MTH Surface: AC Branch: TW A (TAXIWAY A) Section: 115 L.C.D.: 12/25/1999 Use: TAXIWAY Rank P Length: 1.420.00 Ft Width: 35.00 Ft True Area: 50.654.00 SqF

Work Work Work Thickness Major Comments Cost Description M&R Date Code (in) 12/25/1999 INITIAL **Initial Construction** \$0 0.00 True

Network: MTH Branch: TW B (TAXIWAY B) Surface: AAC Section: 151 L.C.D.: 01/01/1998 Use: TAXIWAY True Area: 10.711.00 SqF Rank P Length: 100.00 Ft Width: 100.00 Ft

Work Work Work Thickness Major Cost Comments Code Description M&R Date (in) Overlay - AC Structural 01/01/1998 OL-AS \$0 1.50 True 1998 1.5" P401 01/01/1973 INITIAL **Initial Construction** \$0 1.00 1973 1" P401 ON 6" P211

Network: MTH Branch: TW C (TAXIWAY C) Section: 205 Surface: AAC **True Area:** 6.247.00 SaF L.C.D.: 01/01/1998 Use: TAXIWAY Rank P Length: 75.00 Ft Width: 56.00 Ft

Work Work Work Thickness Major Comments Cost Date Code Description M&R (in) 01/01/1998 **IMPORTED OVERLAY** 1.50 True 1998 1.5" P401 01/01/1978 **IMPORTED OVERLAY** 3.00 True 1978 3" P401 **IMPORTED BUILT** 1966 1" P401 ON 6" P211 01/01/1966 1.00 True

Network: MTH Branch: TW C (TAXIWAY C) Section: 210 Surface: AAC L.C.D.: 01/01/1998 Use: TAXIWAY Rank P Length: 50.00 Ft Width: 56.00 Ft True Area: 3,873.00 SqF

Work Work Thickness Major Comments Cost Date Code Description (in) M&R 01/01/1998 **IMPORTED OVERLAY** True 1998 1.5" P401 OVERLAY 1.50 1966 1" P401 OVERLAY 01/01/1966 **IMPORTED OVERLAY** 1.00 True 01/01/1942 **IMPORTED BUILT** 1942 ORIGINAL CONSTRUCTION True

Network: MTH Branch: TW D (TAXIWAY D) Section: 305 Surface: AAC L.C.D.: 01/01/1983 Use: TAXIWAY True Area: 9.290.00 SqF Rank P Length: 110.00 Ft Width: 110.00 Ft

Thickness Major Comments Cost Description Date Code M&R (in) 01/01/1998 **IMPORTED REPAIR** False 1998 AC OVERLAY **IMPORTED BUILT** 1983 3" P-401 8" P-211 01/01/1983 3.00

Work

Network: MTH Branch: TW D (TAXIWAY D) Section: 310 Surface: AAC L.C.D.: 01/01/1998 Use: TAXIWAY True Area: 7,468.00 SqF Rank P Length: 60.00 Ft Width: 110.00 Ft

Work Work Work Thickness Major Comments Cost Date Code Description M&R (in) **OVERLAY** 1998 1.5" P401 OVERLAY 01/01/1998 **IMPORTED** 1.50 True 01/01/1966 **IMPORTED OVERLAY** 1966 1" P401 OVERLAY 1.00 True **IMPORTED BUILT** 1942 ORIGINAL CONSTRUCTION 01/01/1942 True

Network: MTH Branch: TW E (TAXIWAY E) Section: 152 Surface: AAC L.C.D.: 01/01/1998 Use: TAXIWAY Rank P Length: 50.00 Ft Width: 100.00 Ft True Area: 5.537.00 SqF

Work Work Thickness Major Comments Cost (in) Date Code Description M&R 01/01/1998 OL-AS Overlay - AC Structural \$0 1998 1.5" P401 True

Date:04/	12/2015	4 of 5			
		Pavemen	t Database:FD	01	
01/01/1985	OL-AS	Overlay - AC Structural	\$0	1.50	True 1985 1.5" P401 TAPERED
01/01/1973	OL-AS	Overlay - AC Structural	\$0	1.00	True 1973 1" P401 ON 6" P211
01/01/1942	INITIAL	Initial Construction	\$0		True 1942 1" P401 ON ORIGINAL BASE
Network : Mi L.C.D. : 01/01	Section: 155 Surface: AAC 100.00 Ft True Area: 5,103.00 SqF				
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R Comments
01/01/1998	OL-AS	Overlay - AC Structural	\$0	1.50	True 1998 1.5" P401
01/01/1973	OL-AS	Overlay - AC Structural	\$0	1.00	True 1973 1" P401 ON 6" P211
01/01/1966	OL-AS	Overlay - AC Structural	\$0	1.00	True 1966 1" P401
01/01/1942	INITIAL	Initial Construction	\$0		
LOD 40/05/4000 H. TAVINAN					
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R Comments
12/25/1999	INITIAL	Initial Construction	\$0	0.00	True

Date:04/12/2015

Work History Report Pavement Database:FDOT

5 of 5

Summary:

Work Description	Section Count	Area Total (SqFt)	Thickness Avg (in)	Thickness STD (in)
BUILT	16	1,364,409.00	2.00	1.25
Complete Reconstruction - AC	1	18,371.00	2.00	
Initial Construction	11	285,618.00	.55	.82
OVERLAY	12	1,080,263.00	2.23	1.47
Overlay - AC Structural	7	42,631.00	1.29	.27
REPAIR	3	298,936.00		
Surface Reconstruction - AC	1	35,198.00	.00	

APPENDIX B

- AIRFIELD PAVEMENT CONDITION INDEX RATING EXHIBIT
- PAVEMENT CONDITION INDEX INVENTORY

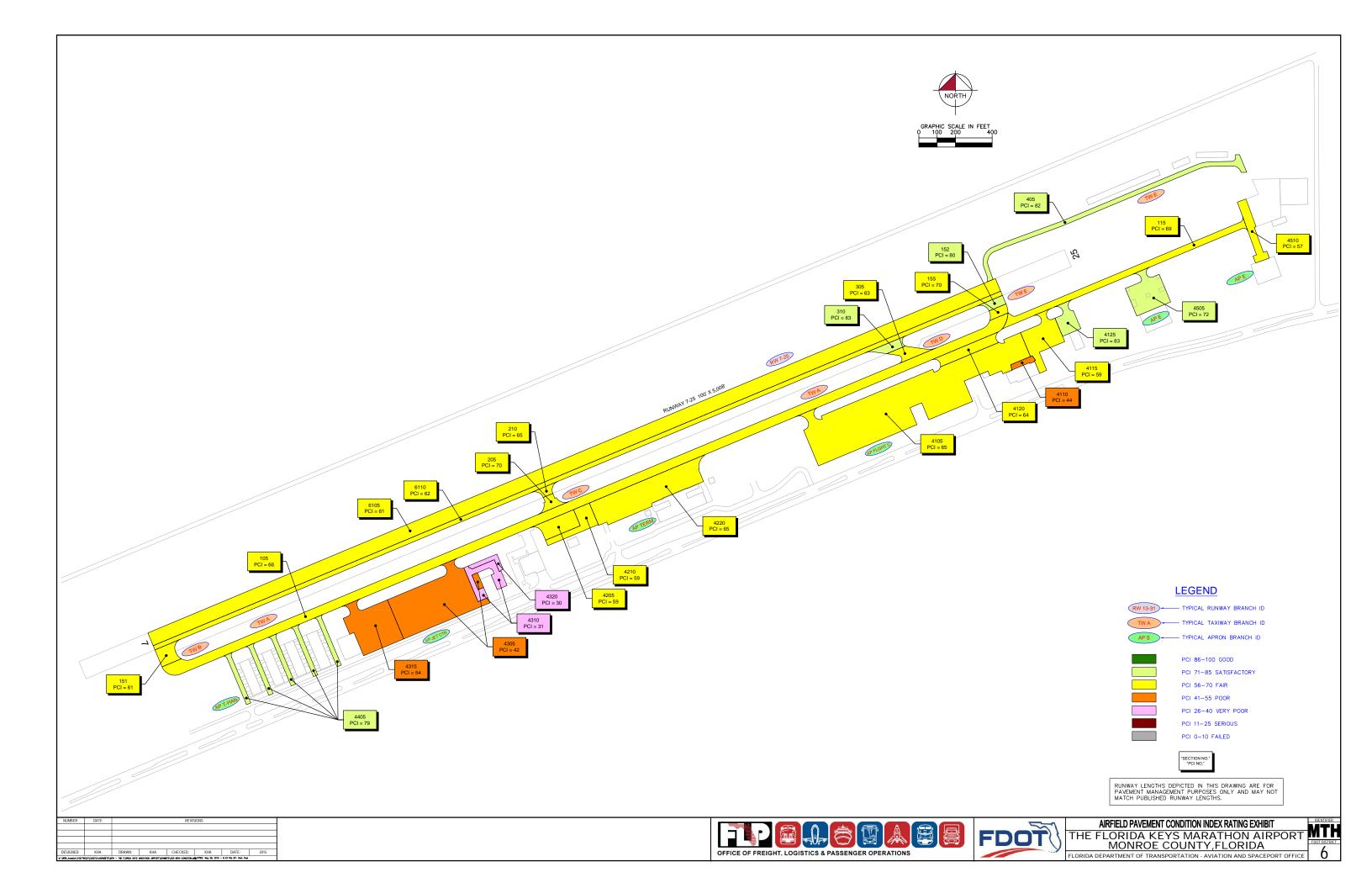




Table B-1: Pavement Condition Index Inventory

Branch Name	Branch ID	Branch Use	Section ID	True Area (FT²)	Section Rank	Surface Type	PCI	PCI Category	Total Inspection Samples	Total Samples
RUNWAY 7-25	RW 7-25	RUNWAY	6110	125,200	Р	AAC	62	Fair	5	25
RUNWAY 7-25	RW 7-25	RUNWAY	6105	375,600	Р	AAC	61	Fair	21	100
APRON E	AP E	APRON	4510	17,050	T	AC	57	Fair	1	4
APRON E	AP E	APRON	4505	35,198	T	AAC	72	Satisfactory	1	7
T-HANGAR APRONS	AP T-HAN	APRON	4405	37,434	Р	AC	79	Satisfactory	2	10
JET CENTER APRON	AP JET CTR	APRON	4320	5,504	Р	AC	30	Very Poor	1	1
JET CENTER APRON	AP JET CTR	APRON	4315	60,631	Р	AC	54	Poor	3	14
JET CENTER APRON	AP JET CTR	APRON	4310	17,801	Р	PCC	31	Very Poor	1	4
JET CENTER APRON	AP JET CTR	APRON	4305	112,985	Р	AC	42	Poor	3	25
TERMINAL APRON	AP TERM	APRON	4220	87,363	Р	PCC	65	Fair	2	12
TERMINAL APRON	AP TERM	APRON	4210	18,371	Р	AC	59	Fair	1	5
TERMINAL APRON	AP TERM	APRON	4205	20,012	Р	AAC	59	Fair	1	4
APRON AT FLIGHT CENTER	AP FLGHT C	APRON	4125	14,266	Р	AC	83	Satisfactory	1	3
APRON AT FLIGHT CENTER	AP FLGHT C	APRON	4120	18,521	Р	AC	64	Fair	1	4
APRON AT FLIGHT CENTER	AP FLGHT C	APRON	4115	35,147	Р	AC	59	Fair	2	8
APRON AT FLIGHT CENTER	AP FLGHT C	APRON	4110	4,020	Р	PCC	44	Poor	1	1
APRON AT FLIGHT CENTER	AP FLGHT C	APRON	4105	269,634	Р	AC	65	Fair	6	56
TAXIWAY E	TW E	TAXIWAY	405	43,530	Р	AC	82	Satisfactory	2	9
TAXIWAY D	TW D	TAXIWAY	310	7,468	Р	AAC	83	Satisfactory	1	1
TAXIWAY D	TW D	TAXIWAY	305	9,290	Р	AAC	63	Fair	1	2
TAXIWAY C	TW C	TAXIWAY	210	3,873	Р	AAC	65	Fair	1	1
TAXIWAY C	TW C	TAXIWAY	205	6,247	Р	AAC	70	Fair	1	1



Branch Name	Branch ID	Branch Use	Section ID	True Area (FT²)	Section Rank	Surface Type	PCI	PCI Category	Total Inspection Samples	Total Samples
TAXIWAY E	TW E	TAXIWAY	155	5,103	Р	AAC	70	Fair	1	1
TAXIWAY E	TW E	TAXIWAY	152	5,537	Р	AAC	80	Satisfactory	1	1
TAXIWAY B	TW B	TAXIWAY	151	10,711	Р	AAC	61	Fair	1	2
TAXIWAY A	TW A	TAXIWAY	115	50,654	Р	AC	69	Fair	2	14
TAXIWAY A	TW A	TAXIWAY	105	252,877	Р	AAC	66	Fair	5	51

Note: If new construction, then survey date = last construction date and PCI is set to 100 by MicroPAVER.

^{*} Sections not surveyed due to reasons such as re-sectioning, no escort, not accessible at the time of survey. Please refer to Section 3 for discussion on the updates to the ASTM D 5640 that may affect PCI in comparison to previous program update.

APPENDIX C

- BRANCH CONDITION REPORT
- SECTION CONDITION REPORT

Date: 4 /12/2015

Branch Condition Report

Pavement Database: FDOT NetworkID: MTH

Sum Section Avg Section PCI Number of Weighted **True Area** Average **Branch ID** Use Width **Sections** Length Standard Average (SqFt) PCI PCI (Ft) (Ft) Deviation APE (APRONE) 2 546.00 104.00 52,248.00 **APRON** 64.50 7.50 67.11 AP FLGHT C (APRON AT FLIGHT 2,079.00 341,588.00 **APRON** 5 115.20 63.00 12.51 64.83 CENTER) AP JET CTR (JET CENTER APRON 4 1,392.00 200.00 196,921.00 **APRON** 39.25 9.73 44.36 AP TERM (TERMINAL APRON) 125,746.00 **APRON** 63.17 3 1,119.00 94.00 61.00 2.83 APT-HAN (T-HANGAR APRONS) 1 1,465.00 25.00 37,434.00 **APRON** 79.00 0.00 79.00 RW 7-25 (RUNWAY 7-25) 2 10,016.00 50.00 500,800.00 **RUNWAY** 61.25 61.50 0.50 TW A (TAXIWAY A) 2 6,370.00 42.50 303,531.00 **TAXIWAY** 67.50 1.50 66.50 TW B (TAXIWAY B) 100.00 100.00 10,711.00 **TAXIWAY** 1 61.00 0.00 61.00 TW C (TAXIWAY C) 125.00 **TAXIWAY** 68.09 2 56.00 10,120.00 67.50 2.50 TW D (TAXIWAY D) 2 170.00 16,758.00 **TAXIWAY** 110.00 73.00 10.00 71.91 TW E (TAXIWAY E) **TAXIWAY** 3 1,740.00 75.00 54,170.00 77.33 5.25 80.67

1 of 2

Date: 4 /12/2015

Branch Condition Report

Pavement Database: FDOT

Use Category	Number of Sections	Total Area (SqFt)	Arithmetic Average PCI	Average PCI STD.	Weighted Average PCI
APRON	15	753,937.00	57.53	15.01	60.07
RUNWAY	2	500,800.00	61.50	0.50	61.25
TAXIWAY	10	395,290.00	70.90	7.60	68.56
AII	27	1,650,027.00	62.78	13.65	62.46

2 of 2

Section Condition Report

Pavement Database: FDOT

NetworkID: MTH

Last Age Section ID Use Branch ID Last Surface Rank Lanes True Area PCI Inspection Αt Const. (SqFt) Date Inspection Date AP E (APRON E) Т 4505 09/01/2007 AAC **APRON** 0 35,198.00 03/24/2015 8 72.00 AP E (APRONE) 4510 01/01/1999 AC **APRON** Τ 0 17,050.00 03/24/2015 16 57.00 AP FLGHT C (APRON AT FLIGHT 4105 01/01/1983 AC **APRON** Ρ 0 269,634.00 03/24/2015 32 65.00 AP FLGHT C (APRON AT FLIGHT 4110 01/01/1983 PCC **APRON** Ρ 0 4,020.00 03/24/2015 32 44.00 CENTER) AP FLGHT C (APRON AT FLIGHT 4115 01/01/1966 AC **APRON** Р 0 35,147.00 03/24/2015 49 59.00 CENTER) AP FLGHT C (APRON AT FLIGHT **APRON** Ρ 4120 01/01/1998 AC 0 18,521.00 03/24/2015 17 64.00 CENTER) AP FLGHT C (APRON AT FLIGHT 4125 12/25/1999 **APRON** Ρ 14,266.00 03/24/2015 83.00 AC 16 CENTER) AP JET CTR (JET CENTER APRON) 4305 01/01/1990 AC **APRON** Ρ 0 112,985.00 03/24/2015 25 42.00 AP JET CTR (JET CENTER APRON) 4310 01/01/1987 PCC **APRON** Ρ 0 17,801.00 03/24/2015 28 31.00 AP JET CTR (JET CENTER APRON) **APRON** P 60,631.00 03/24/2015 4315 12/25/1999 AC 16 54.00 AP JET CTR (JET CENTER APRON) **APRON** Ρ 4320 01/01/1990 AC 0 5,504.00 03/24/2015 25 30.00 AP TERM (TERMINAL APRON) **APRON** Ρ 20,012.00 03/24/2015 4205 01/01/1978 AAC 0 37 59.00 AP TERM (TERMINAL APRON) Ρ 4210 01/01/1999 AC **APRON** 0 18,371.00 03/24/2015 16 59.00 AP TERM (TERMINAL A PRON) PCC **APRON** Р 4220 01/01/1994 0 87,363.00 03/24/2015 21 65.00 AP T-HAN (T-HANGAR APRONS) 4405 12/25/1999 AC **APRON** Р 37,434.00 03/24/2015 16 79.00 RW 7-25 (RUNWAY 7-25) 6105 01/01/1985 AAC **RUNWAY** Ρ 0 375,600.00 03/24/2015 30 61.00 RW 7-25 (RUNWAY 7-25) 6110 01/01/1985 AAC **RUNWAY** 0 125,200.00 03/24/2015 62.00 30 TW A (TAXIWAY A) AAC Ρ 105 **TAXIWAY** 0 01/01/1998 252,877.00 03/24/2015 17 66.00 TW A (TAXIWAY A) Ρ 115 12/25/1999 AC **TAXIWAY** 0 50,654.00 03/24/2015 16 69.00 TW B (TAXIWAY B) 151 01/01/1998 AAC **TAXIWAY** Ρ 0 10,711.00 03/24/2015 17 61.00 TW C (TAXIWAY C) **TAXIWAY** Ρ 205 01/01/1998 AAC 0 6,247.00 03/24/2015 17 70.00 TW C (TAXIWAY C) 210 01/01/1998 AAC **TAXIWAY** Ρ 0 3.873.00 03/24/2015 17 65.00 TW D (TAXIWAY D) Р 305 01/01/1983 AAC **TAXIWAY** 0 9,290.00 03/24/2015 32 63.00 TW D (TAXIWAY D) Р 310 01/01/1998 AAC **TAXIWAY** 0 7,468.00 03/24/2015 17 83.00 TW E (TAXIWAY E) **TAXIWAY** Ρ 5,537.00 03/24/2015 152 01/01/1998 AAC 0 17 80.00 TW E (TAXIWAY E) 155 01/01/1998 AAC **TAXIWAY** Ρ 0 5,103.00 03/24/2015 17 70.00

1 of 3

TW E (TAXIWAY E)	405	12/25/1999	AC	TAXIWAY	Р	0	43,530.00 03/24/2015	16	82.00
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Section Condition Report

Pavement Database: FDOT

Age Category	Average Age At Inspection	Total Area (SqFt)	Number of Sections	Arithmetic Average PCI	PCI Standard Deviation	Weighted Average PCI
06-10	8.00	35,198.00	1	72.00	0.00	72.00
16-20	16.53	552,273.00	15	69.47	9.87	67.31
21-25	23.67	205,852.00	3	45.67	17.79	51.44
26-30	29.33	518,601.00	3	51.33	17.62	60.21
31-35	32.00	282,944.00	3	57.33	11.59	64.64
36-40	37.00	20,012.00	1	59.00	0.00	59.00
over 40	49.00	35,147.00	1	59.00	0.00	59.00
All	22.11	1,650,027.00	27	62.78	13.91	62.46

APPENDIX D

- PAVEMENT PERFORMANCE PREDICTION
- PAVEMENT PERFORMANCE BY PAVEMENT USE



Table D-1: Pavement Performance Prediction

Branch	Section	Current			Paver	ment P	erform	nance	Model	l - PCI		
ID	ID	PCI	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
AP E	4505	72	72	70	68	67	65	64	63	62	61	60
AP E	4510	57	57	56	55	54	53	52	51	50	49	49
AP FLGHT C	4105	65	65	64	64	63	62	61	61	60	59	58
AP FLGHT C	4110	44	44	43	42	40	39	38	37	36	35	34
AP FLGHT C	4115	59	59	58	57	56	55	54	53	52	52	51
AP FLGHT C	4120	64	64	63	63	62	61	60	59	59	58	57
AP FLGHT C	4125	83	82	79	77	75	73	72	70	69	68	67
AP JET CTR	4305	42	42	41	41	41	40	40	40	39	39	39
AP JET CTR	4310	31	31	30	30	29	29	28	28	28	28	28
AP JET CTR	4315	54	54	53	52	51	50	49	48	47	47	46
AP JET CTR	4320	30	30	30	30	30	30	30	29	29	29	29
AP TERM	4205	59	59	58	58	57	57	57	57	56	56	56
AP TERM	4210	59	59	58	57	56	55	54	53	52	52	51
AP TERM	4220	65	65	63	61	60	58	57	56	56	55	54
AP T- HAN	4405	79	79	76	74	73	71	70	69	68	67	66
RW 7-25	6105	61	61	60	60	60	59	59	58	57	56	55
RW 7-25	6110	62	62	61	61	60	60	59	59	59	58	57
TW A	105	66	66	65	64	63	62	61	60	59	59	58
TW A	115	69	69	68	67	66	66	65	65	64	64	64
TW B	151	61	61	60	59	59	58	58	57	57	57	57
TW C	205	70	70	69	67	66	65	64	63	62	61	61
TW C	210	65	65	64	63	62	61	60	59	59	58	58
TW D	305	63	63	62	61	60	59	59	58	58	57	57
TW D	310	83	83	81	79	78	77	75	74	73	71	70
TW E	152	80	80	78	77	75	74	73	72	70	69	68
TW E	155	70	70	69	67	66	65	64	63	62	61	61



Branch	Section	Current			Pavei	ment P	erform	nance	Mode	- PCI		
ID	ID	PCI	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
TW E	405	82	82	79	77	75	74	72	71	70	69	68

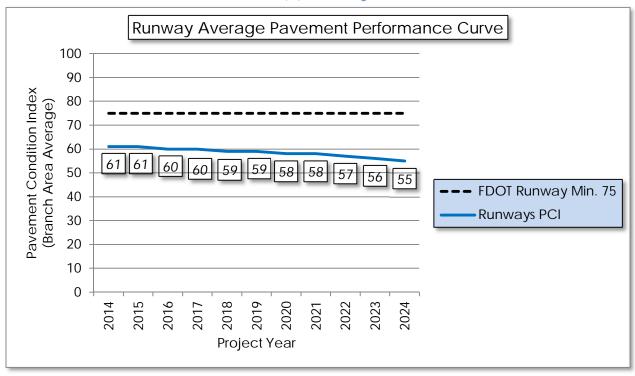
Note: If new construction, then survey date = last construction date and PCI is set to 100 by MicroPAVER.

^{*} Sections not surveyed due to reasons such as re-sectioning, no escort, not accessible at the time of survey. Please refer to Section 3 for discussion on the updates to the ASTM D 5640 that may affect PCI in comparison to previous program update.

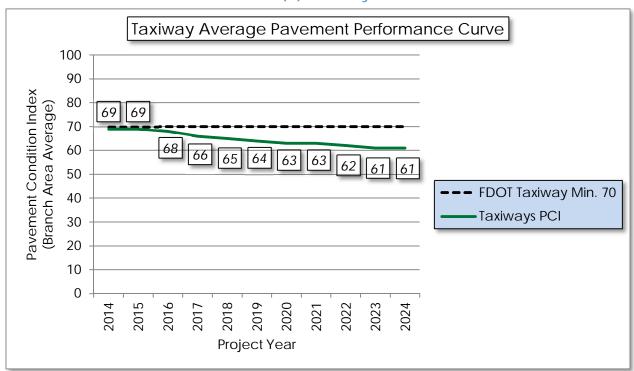


Figure D-1: Pavement Performance by Pavement Use

(a) Runway

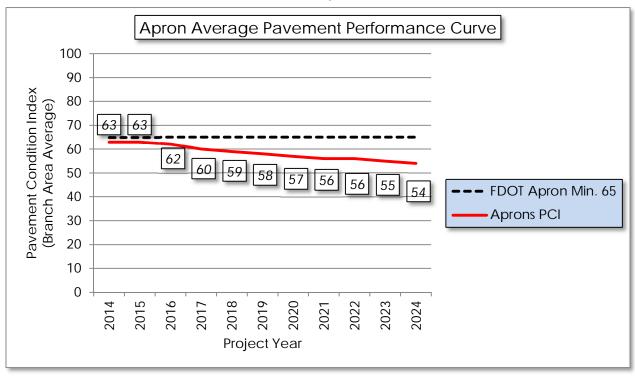


(b) Taxiway





(c) Apron



APPENDIX E

YEAR-1 PREVENTATIVE ACTIVITIES



Table E-1: Year-1 Preventative Activities

Branch Name	Branch ID	Section ID	Distress Description	Distress Severity	Work Description	Work Quantity	Work Unit	Unit Cost	V	Vork Cost
APRON E	AP E	4505	L&TCR	L	Crack Sealing - AC	190.10	Ft	\$2.75	\$	522.69
APRON E	AP E	4505	WEATHERING	М	Surface Seal	29,214.30	SqFt	\$0.55	\$	16,068.02
APRON E	AP E	4510	BLOCK CR	L	Surface Seal	10,904.50	SqFt	\$0.55	\$	5,997.53
APRON E	AP E	4510	L&TCR	L	Crack Sealing - AC	655.80	Ft	\$2.75	\$	1,803.36
APRON E	AP E	4510	RAVELING	L	Surface Seal	17,050.00	SqFt	\$0.55	\$	9,377.58
APRON AT FLIGHT CENTER	AP FLGHT C	4105	ALLIGATOR CR	L	Patching - AC Full Depth	292.60	SqFt	\$5.00	\$	1,463.08
APRON AT FLIGHT CENTER	AP FLGHT C	4105	BLEEDING	N	Patching - AC Partial Depth	721.60	SqFt	\$3.00	\$	2,164.67
APRON AT FLIGHT CENTER	AP FLGHT C	4105	BLOCK CR	L	Surface Seal	47,242.90	SqFt	\$0.55	\$	25,983.82
APRON AT FLIGHT CENTER	AP FLGHT C	4105	DEPRESSION	М	Patching - AC Full Depth	40.50	SqFt	\$5.00	\$	202.64
APRON AT FLIGHT CENTER	AP FLGHT C	4105	DEPRESSION	L	Patching - AC Full Depth	5,643.50	SqFt	\$5.00	\$	28,217.40
APRON AT FLIGHT CENTER	AP FLGHT C	4105	L&TCR	L	Crack Sealing - AC	11,260.10	Ft	\$2.75	\$	30,965.15
APRON AT FLIGHT CENTER	AP FLGHT C	4105	RAVELING	М	Surface Seal	38.00	SqFt	\$0.55	\$	20.89
APRON AT FLIGHT CENTER	AP FLGHT C	4105	RAVELING	L	Surface Seal	69,772.50	SqFt	\$0.55	\$	38,375.22
APRON AT FLIGHT CENTER	AP FLGHT C	4105	RUTTING	L	Patching - AC Full Depth	3,512.80	SqFt	\$5.00	\$	17,564.20
APRON AT FLIGHT CENTER	AP FLGHT C	4110	CORNER BREAK	М	Patching - PCC Partial Depth	32.30	SqFt	\$19.10	\$	616.77



Branch Name	Branch ID	Section ID	Distress Description	Distress Severity	Work Description	Work Quantity	Work Unit	Unit Cost	W	ork Cost
APRON AT FLIGHT CENTER	AP FLGHT C	4110	SCALING	L	Patching - PCC Partial Depth	615.20	SqFt	\$19.10	\$	11,749.51
APRON AT FLIGHT CENTER	AP FLGHT C	4110	Shat. Slab	L	Slab Replacement - PCC	1,125.00	SqFt	\$45.00	\$	50,625.00
APRON AT FLIGHT CENTER	AP FLGHT C	4110	SHRINKAGE CR	N	Crack Sealing - PCC	59.10	Ft	\$4.25	\$	250.98
APRON AT FLIGHT CENTER	AP FLGHT C	4110	Joint Spall	M	Patching - PCC Partial Depth	12.90	SqFt	\$19.10	\$	246.71
APRON AT FLIGHT CENTER	AP FLGHT C	4115	BLEEDING	N	Patching - AC Partial Depth	71.30	SqFt	\$3.00	\$	214.04
APRON AT FLIGHT CENTER	AP FLGHT C	4115	BLOCK CR	L	Surface Seal	2,910.10	SqFt	\$0.55	\$	1,600.59
APRON AT FLIGHT CENTER	AP FLGHT C	4115	DEPRESSION	M	Patching - AC Full Depth	61.20	SqFt	\$5.00	\$	305.97
APRON AT FLIGHT CENTER	AP FLGHT C	4115	DEPRESSION	L	Patching - AC Full Depth	788.60	SqFt	\$5.00	\$	3,942.95
APRON AT FLIGHT CENTER	AP FLGHT C	4115	L&TCR	L	Crack Sealing - AC	1,509.50	Ft	\$2.75	\$	4,151.17
APRON AT FLIGHT CENTER	AP FLGHT C	4115	L&TCR	M	Crack Sealing - AC	120.20	Ft	\$2.75	\$	330.44
APRON AT FLIGHT CENTER	AP FLGHT C	4115	OIL SPILLAGE	N	Surface Seal	66.20	SqFt	\$0.55	\$	36.42
APRON AT FLIGHT CENTER	AP FLGHT C	4115	RAVELING	L	Surface Seal	14,235.30	SqFt	\$0.55	\$	7,829.47
APRON AT FLIGHT CENTER	AP FLGHT C	4115	RAVELING	Н	Patching - AC Partial Depth	22.50	SqFt	\$3.00	\$	67.59
APRON AT FLIGHT CENTER	AP FLGHT C	4115	RAVELING	M	Surface Seal	2,339.40	SqFt	\$0.55	\$	1,286.67
APRON AT FLIGHT CENTER	AP FLGHT C	4120	L&TCR	L	Crack Sealing - AC	2,302.40	Ft	\$2.75	\$	6,331.65
APRON AT FLIGHT CENTER	AP FLGHT C	4120	RAVELING	L	Surface Seal	1,851.50	SqFt	\$0.55	\$	1,018.31



Branch Name	Branch ID	Section ID	Distress Description	Distress Severity	Work Description	Work Quantity	Work Unit	Unit Cost	V	Vork Cost
APRON AT FLIGHT CENTER	AP FLGHT C	4125	L&TCR	L	Crack Sealing - AC	156.40	Ft	\$2.75	\$	430.23
APRON AT FLIGHT CENTER	AP FLGHT C	4125	RAVELING	L	Surface Seal	713.80	SqFt	\$0.55	\$	392.59
JET CENTER APRON	AP JET CTR	4305	BLOCK CR	L	Surface Seal	40,373.30	SqFt	\$0.55	\$	22,205.50
JET CENTER APRON	AP JET CTR	4305	DEPRESSION	L	Patching - AC Full Depth	16,672.50	SqFt	\$5.00	\$	83,362.38
JET CENTER APRON	AP JET CTR	4305	L & T CR	L	Crack Sealing - AC	5,573.90	Ft	\$2.75	\$	15,328.28
JET CENTER APRON	AP JET CTR	4305	OIL SPILLAGE	N	Surface Seal	290.50	SqFt	\$0.55	\$	159.76
JET CENTER APRON	AP JET CTR	4305	PATCHING	M	Patching - AC Full Depth	341.40	SqFt	\$5.00	\$	1,707.21
JET CENTER APRON	AP JET CTR	4305	RAVELING	L	Surface Seal	28,178.50	SqFt	\$0.55	\$	15,498.28
JET CENTER APRON	AP JET CTR	4310	CORNER Break	M	Patching - PCC Partial Depth	302.70	SqFt	\$19.10	\$	5,782.24
JET CENTER APRON	AP JET CTR	4310	CORNER BREAK	L	Patching - PCC Partial Depth	807.30	SqFt	\$19.10	\$	15,419.30
JET CENTER APRON	AP JET CTR	4310	JT SEAL DMG	M	Joint Seal - PCC	1,258.60	Ft	\$3.00	\$	3,775.80
JET CENTER APRON	AP JET CTR	4310	SCALING	L	Patching - PCC Partial Depth	256.30	SqFt	\$19.10	\$	4,895.63
JET CENTER APRON	AP JET CTR	4310	SHAT. SLAB	L	Slab Replacement - PCC	1,093.80	SqFt	\$45.00	\$	49,218.75
JET CENTER APRON	AP JET CTR	4310	SHRINKAGE CR	N	Crack Sealing - PCC	61.50	Ft	\$4.25	\$	261.44
JET CENTER APRON	AP JET CTR	4310	JOINT SPALL	M	Patching - PCC Partial Depth	20.20	SqFt	\$19.10	\$	385.48
JET CENTER APRON	AP JET CTR	4310	JOINT SPALL	L	Patching - PCC Partial Depth	42.00	SqFt	\$19.10	\$	803.09

Branch Name	Branch ID	Section ID	Distress Description	Distress Severity	Work Description	Work Quantity	Work Unit	Unit Cost	V	Vork Cost
JET CENTER APRON	AP JET CTR	4310	CORNER SPALL	L	Patching - PCC Partial Depth	16.80	SqFt	\$19.10	\$	321.24
JET CENTER APRON	AP JET CTR	4315	DEPRESSION	L	Patching - AC Full Depth	6,060.80	SqFt	\$5.00	\$	30,303.80
JET CENTER APRON	AP JET CTR	4315	L&TCR	L	Crack Sealing - AC	1,202.80	Ft	\$2.75	\$	3,307.62
JET CENTER APRON	AP JET CTR	4315	OIL SPILLAGE	N	Surface Seal	207.20	SqFt	\$0.55	\$	113.97
JET CENTER APRON	AP JET CTR	4315	PATCHING	M	Patching - AC Full Depth	899.60	SqFt	\$5.00	\$	4,498.20
JET CENTER APRON	AP JET CTR	4315	RAVELING	L	Surface Seal	12,976.20	SqFt	\$0.55	\$	7,136.98
JET CENTER APRON	AP JET CTR	4320	BLOCK CR	L	Surface Seal	720.00	SqFt	\$0.55	\$	396.00
JET CENTER APRON	AP JET CTR	4320	DEPRESSION	М	Patching - AC Full Depth	1,087.60	SqFt	\$5.00	\$	5,438.22
JET CENTER APRON	AP JET CTR	4320	DEPRESSION	L	Patching - AC Full Depth	120.00	SqFt	\$5.00	\$	600.00
JET CENTER APRON	AP JET CTR	4320	L&TCR	L	Crack Sealing - AC	143.00	Ft	\$2.75	\$	393.25
JET CENTER APRON	AP JET CTR	4320	RAVELING	L	Surface Seal	24.00	SqFt	\$0.55	\$	13.20
JET CENTER APRON	AP JET CTR	4320	SHOVING	M	Grinding (Localized)	97.50	Ft	\$2.10	\$	204.76
TERMINAL APRON	AP TERM	4205	DEPRESSION	Н	Patching - AC Full Depth	125.00	SqFt	\$5.00	\$	624.75
TERMINAL APRON	AP TERM	4205	DEPRESSION	L	Patching - AC Full Depth	69.50	SqFt	\$5.00	\$	347.44
TERMINAL APRON	AP TERM	4205	L&TCR	L	Crack Sealing - AC	1,520.90	Ft	\$2.75	\$	4,182.50
TERMINAL APRON	AP TERM	4205	RAVELING	L	Surface Seal	5,003.00	SqFt	\$0.55	\$	2,751.67



Branch Name	Branch ID	Section ID	Distress Description	Distress Severity	Work Description	Work Quantity	Work Unit	Unit Cost	,	Work Cost
TERMINAL APRON	AP TERM	4210	BLOCK CR	L	Surface Seal	987.70	SqFt	\$0.55	\$	543.23
TERMINAL APRON	AP TERM	4210	DEPRESSION	L	Patching - AC Full Depth	1,569.70	SqFt	\$5.00	\$	7,848.70
TERMINAL APRON	AP TERM	4210	DEPRESSION	Н	Patching - AC Full Depth	89.20	SqFt	\$5.00	\$	446.22
TERMINAL APRON	AP TERM	4210	L & T CR	L	Crack Sealing - AC	1,280.00	Ft	\$2.75	\$	3,520.12
TERMINAL APRON	AP TERM	4220	JT SEAL DMG	L	Joint Seal - PCC	6,980.50	Ft	\$3.00	\$	20,941.44
TERMINAL APRON	AP TERM	4220	SCALING	L	Patching - PCC Partial Depth	10,564.30	SqFt	\$19.10	\$	201,778.23
TERMINAL APRON	AP TERM	4220	SHRINKAGE CR	N	Crack Sealing - PCC	385.80	Ft	\$4.25	\$	1,639.77
TERMINAL APRON	AP TERM	4220	JOINT SPALL	L	Patching - PCC Partial Depth	256.20	SqFt	\$19.10	\$	4,893.06
TERMINAL APRON	AP TERM	4220	CORNER SPALL	L	Patching - PCC Partial Depth	45.20	SqFt	\$19.10	\$	863.48
T-HANGAR APRONS	AP T-HAN	4405	DEPRESSION	L	Patching - AC Full Depth	817.80	SqFt	\$5.00	\$	4,089.01
T-HANGAR APRONS	AP T-HAN	4405	RAVELING	L	Surface Seal	3,748.60	SqFt	\$0.55	\$	2,061.77
RUNWAY 7-25	RW 7-25	6105	L&TCR	Н	Crack Sealing - AC	61.50	Ft	\$2.75	\$	169.22
RUNWAY 7-25	RW 7-25	6105	L & T CR	L	Crack Sealing - AC	24,614.00	Ft	\$2.75	\$	67,688.40
RUNWAY 7-25	RW 7-25	6105	L&TCR	M	Crack Sealing - AC	4,094.40	Ft	\$2.75	\$	11,259.70
RUNWAY 7-25	RW 7-25	6105	RAVELING	Н	Patching - AC Partial Depth	66.30	SqFt	\$3.00	\$	198.81
RUNWAY 7-25	RW 7-25	6105	RAVELING	М	Surface Seal	13,244.20	SqFt	\$0.55	\$	7,284.38

Branch Name	Branch ID	Section ID	Distress Description	Distress Severity	Work Description	Work Quantity	Work Unit	Unit Cost	V	Vork Cost
RUNWAY 7-25	RW 7-25	6105	RAVELING	L	Surface Seal	325,775.60	SqFt	\$0.55	\$	179,178.07
RUNWAY 7-25	RW 7-25	6110	L&TCR	L	Crack Sealing - AC	13,671.80	Ft	\$2.75	\$	37,597.52
RUNWAY 7-25	RW 7-25	6110	L&TCR	М	Crack Sealing - AC	100.20	Ft	\$2.75	\$	275.44
RUNWAY 7-25	RW 7-25	6110	RAVELING	L	Surface Seal	99,859.50	SqFt	\$0.55	\$	54,923.19
RUNWAY 7-25	RW 7-25	6110	RAVELING	М	Surface Seal	2,804.50	SqFt	\$0.55	\$	1,542.48
TAXIWAY ALPHA	TW A	105	DEPRESSION	L	Patching - AC Full Depth	3,794.20	SqFt	\$5.00	\$	18,971.11
TAXIWAY ALPHA	TW A	105	L&TCR	L	Crack Sealing - AC	21,423.70	Ft	\$2.75	\$	58,915.22
TAXIWAY ALPHA	TW A	105	RAVELING	M	Surface Seal	2,650.20	SqFt	\$0.55	\$	1,457.60
TAXIWAY ALPHA	TW A	105	RAVELING	L	Surface Seal	45,032.30	SqFt	\$0.55	\$	24,767.99
TAXIWAY ALPHA	TW A	105	RUTTING	L	Patching - AC Full Depth	526.00	SqFt	\$5.00	\$	2,629.92
TAXIWAY ALPHA	TW A	115	BLOCK CR	L	Surface Seal	2,149.20	SqFt	\$0.55	\$	1,182.06
TAXIWAY ALPHA	TW A	115	L&TCR	L	Crack Sealing - AC	1,997.20	Ft	\$2.75	\$	5,492.33
TAXIWAY ALPHA	TW A	115	RAVELING	L	Surface Seal	2,532.70	SqFt	\$0.55	\$	1,393.00
TAXIWAY BRAVO	TW B	151	BLOCK CR	L	Surface Seal	1,419.90	SqFt	\$0.55	\$	780.93
TAXIWAY BRAVO	TW B	151	DEPRESSION	L	Patching - AC Full Depth	180.40	SqFt	\$5.00	\$	901.78
TAXIWAY BRAVO	TW B	151	L&TCR	L	Crack Sealing - AC	660.30	Ft	\$2.75	\$	1,815.69



Branch Name	Branch ID	Section ID	Distress Description	Distress Severity	Work Description	Work Quantity	Work Unit	Unit Cost	V	ork Cost
TAXIWAY BRAVO	TW B	151	RAVELING	L	Surface Seal	1,072.10	SqFt	\$0.55	\$	589.68
TAXIAWY CHARLIE	TW C	205	DEPRESSION	L	Patching - AC Full Depth	248.30	SqFt	\$5.00	\$	1,241.67
TAXIAWY CHARLIE	TW C	205	L&TCR	L	Crack Sealing - AC	71.00	Ft	\$2.75	\$	195.25
TAXIAWY CHARLIE	TW C	205	RAVELING	L	Surface Seal	625.00	SqFt	\$0.55	\$	343.75
TAXIAWY CHARLIE	TW C	210	DEPRESSION	L	Patching - AC Full Depth	74.70	SqFt	\$5.00	\$	373.49
TAXIAWY CHARLIE	TW C	210	L&TCR	L	Crack Sealing - AC	198.00	Ft	\$2.75	\$	544.50
TAXIAWY CHARLIE	TW C	210	L&TCR	М	Crack Sealing - AC	15.00	Ft	\$2.75	\$	41.25
TAXIAWY CHARLIE	TW C	210	RAVELING	L	Surface Seal	387.00	SqFt	\$0.55	\$	212.85
TAXIWAY DELTA	TW D	305	DEPRESSION	L	Patching - AC Full Depth	195.30	SqFt	\$5.00	\$	976.28
TAXIWAY DELTA	TW D	305	L&TCR	L	Crack Sealing - AC	828.00	Ft	\$2.75	\$	2,276.92
TAXIWAY DELTA	TW D	305	RAVELING	L	Surface Seal	928.50	SqFt	\$0.55	\$	510.67
TAXIWAY DELTA	TW D	310	L&TCR	L	Crack Sealing - AC	81.00	Ft	\$2.75	\$	222.75
TAXIWAY DELTA	TW D	310	RAVELING	L	Surface Seal	373.00	SqFt	\$0.55	\$	205.15
TAXIWAY ECHO	TW E	152	L&TCR	L	Crack Sealing - AC	57.00	Ft	\$2.75	\$	156.75
TAXIWAY ECHO	TW E	152	RAVELING	L	Surface Seal	554.00	SqFt	\$0.55	\$	304.70
TAXIWAY ECHO	TW E	155	BLOCK CR	L	Surface Seal	46.00	SqFt	\$0.55	\$	25.30



Branch Name	Branch ID	Section ID	Distress Description	Distress Severity	Work Description	Work Quantity	Work Unit	Unit Cost	W	ork Cost
TAXIWAY ECHO	TW E	155	DEPRESSION	L	Patching - AC Full Depth	105.20	SqFt	\$5.00	\$	525.95
TAXIWAY ECHO	TW E	155	L&TCR	L	Crack Sealing - AC	146.00	Ft	\$2.75	\$	401.50
TAXIWAY ECHO	TW E	155	RAVELING	L	Surface Seal	510.00	SqFt	\$0.55	\$	280.50
TAXIWAY ECHO	TW E	405	L & T CR	L	Crack Sealing - AC	182.80	Ft	\$2.75	\$	502.77
TAXIWAY ECHO	TW E	405	RAVELING	L	Surface Seal	4,353.00	SqFt	\$0.55	\$	2,394.17
	1		1	1	1		1	Total =	\$ 1,	288,965.77

APPENDIX F

- AIRFIELD PAVEMENT 10-YEAR MAJOR REHABILITATION
 EXHIBIT
- AIRFIELD PAVEMENT 10-YEAR MAJOR REHABILITATION
 TABLE

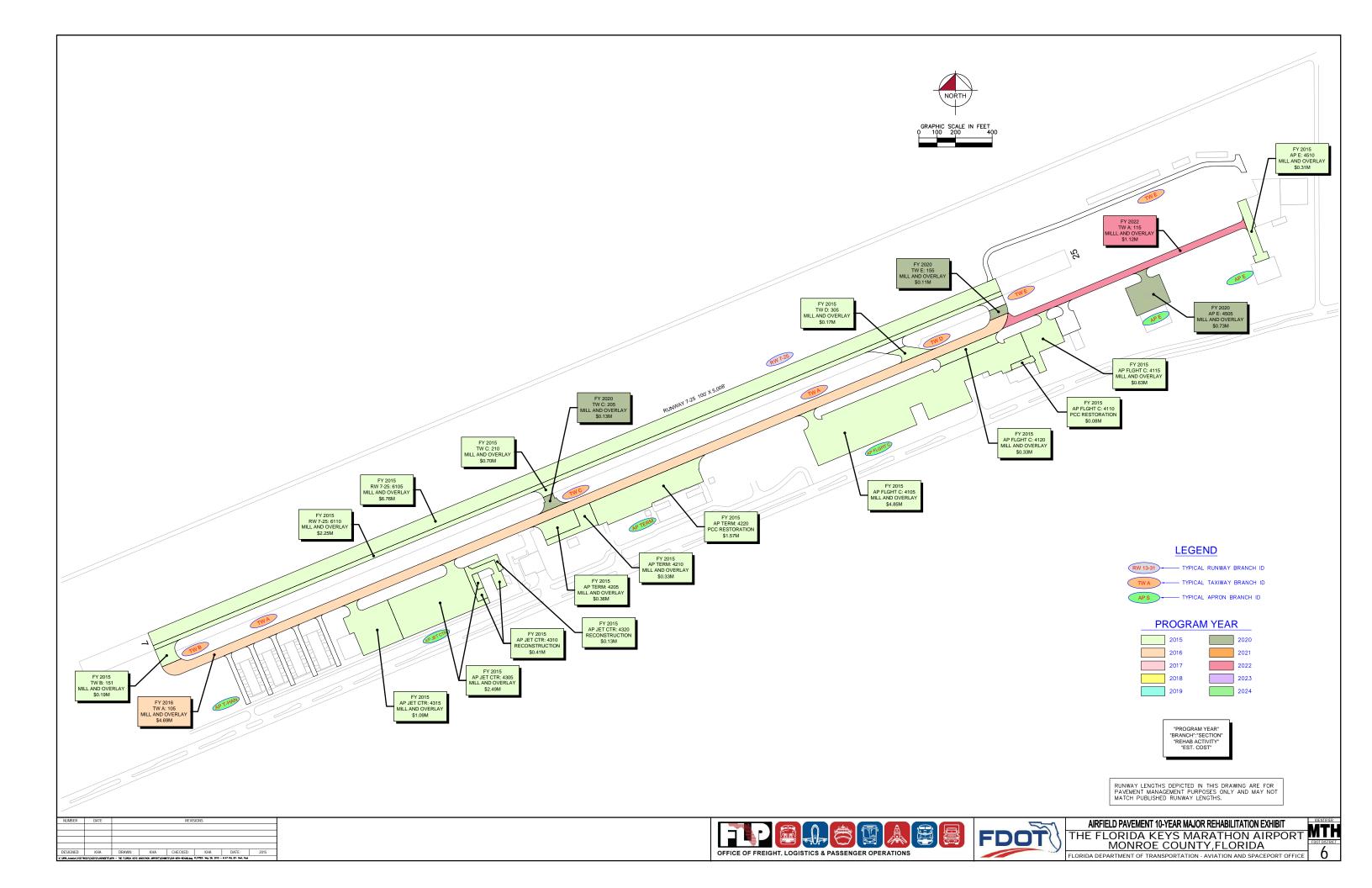




Table F-1: Airfield Pavement 10-Year Major Rehabilitation Table

Year	Branch ID	Section ID	Major M&R Costs*	PCI Before M&R	M&R Activity	PCI After M&R
2015	AP E	4510	\$ 306,900.00	57	Mill and Overlay	100
2015	AP FLGHT C	4105	\$ 4,853,412.00	65	Mill and Overlay	100
2015	AP FLGHT C	4110	\$ 84,842.00	44	PCC Restoration	100
2015	AP FLGHT C	4115	\$ 632,646.00	59	Mill and Overlay	100
2015	AP FLGHT C	4120	\$ 333,378.00	64	Mill and Overlay	100
2015	AP JET CTR	4305	\$ 2,490,754.00	42	Mill and Overlay	100
2015	AP JET CTR	4310	\$ 409,423.00	31	Reconstruction	100
2015	AP JET CTR	4315	\$ 1,091,358.00	54	Mill and Overlay	100
2015	AP JET CTR	4320	\$ 126,592.00	30	Reconstruction	100
2015	AP TERM	4205	\$ 360,216.00	59	Mill and Overlay	100
2015	AP TERM	4210	\$ 330,678.00	59	Mill and Overlay	100
2015	AP TERM	4220	\$ 1,572,534.00	65	PCC Restoration	100
2015	RW 7-25	6105	\$ 6,760,800.00	61	Mill and Overlay	100
2015	RW 7-25	6110	\$ 2,253,600.00	62	Mill and Overlay	100
2015	TW B	151	\$ 192,798.00	61	Mill and Overlay	100
2015	TW C	210	\$ 69,714.00	65	Mill and Overlay	100
2015	TW D	305	\$ 167,220.00	63	Mill and Overlay	100
2016	TW A	105	\$ 4,688,340.00	65	Mill and Overlay	100
2020	AP E	4505	\$ 734,474.00	65	Mill and Overlay	100
2020	TW C	205	\$ 130,356.00	65	Mill and Overlay	100
2020	TW E	155	\$ 106,484.00	65	Mill and Overlay	100
2022	TW A	115	\$ 1,121,365.00	65	Mill and Overlay	100
		Total =	\$28,817,884.00			

^{*} Costs are adjusted for inflation AT 3%

APPENDIX G

PHOTOGRAPHS





Runway 7-25, Section 6105, Sample Unit 118 - Low and Medium Severity (48) Longitudinal and Transverse Cracking, Medium Severity (52) Raveling



Runway 7-25, Section 6110, Sample Unit 310 – Low Severity (48) Longitudinal and Transverse Cracking, Low Severity (52) Raveling, Low Severity (57) Weathering





Taxiway Delta, Section 305, Sample Unit 301 – Low Severity (48) Longitudinal and Transverse Cracking, Low Severity (45) Depression, Low Severity (57) Weathering



Taxiway Alpha, Section 105, Sample Unit 111 – Low Severity (48) Longitudinal and Transverse Cracking, Low Severity (52) Raveling, Medium Severity (52) Raveling





Taxiway Charlie, Section 205, Sample Unit 201 - Low Severity (45) Depression, Low Severity (57) Weathering



Apron East, Section 4510, Sample Unit 102 – Low Severity (43) Block Cracking, Low Severity (48) Longitudinal and Transverse Cracking, Low Severity (52) Raveling





Apron Flight Center, Section 4115, Sample Unit 414 – Low Severity (45) Depression, Low Severity (52) Raveling



Apron Jet Center, Section 4315, Sample Unit 151 – Low Severity (45) Depression, Low Severity (48) Longitudinal and Transverse Cracking, Low Severity (57) Weathering





Apron Jet Center, Section 4310, Sample Unit 120 - Medium Severity (65) Joint Seal Damage, Medium Severity (74) Joint Spalling, Low Severity (62) Corner Break, Low Severity (75) Corner Spalling



Apron Flight Center, Section 4105, Sample Unit 409 – Low Severity (43) Block Cracking, Low Severity (45) Depression, Low Severity (56) Swelling, Low Severity (57) Weathering





Apron Terminal, Section 4220, Sample Unit 305 - Low Severity (63) Longitudinal, Transverse, and Diagonal Cracking, Low Severity (65) Joint Seal Damage

APPENDIX H

DISTRESS DATA – RE-INSPECTION REPORT

FDOT

50 PATCHING

57 WEATHERING

48 LONGITUDINAL/TRANSVERSE CRACKING

Report Generated Date: April 12, 2015

Network:	MTH	Name:	THE FLORII	DA KEYS MA	RATHON	AIRPORT				
Branch:	AP E	Name:	APRON E				Use: APRON	Area:	52,248.00SqFt	
Section: Surface:	4505 AAC	of 2 Family	From: : FDOT-SA	- APMP-GA-AP	-AAC		То: -	Zone:	Last Const.: Category:	09/01/2007 Rank: T
Area: Shoulder:	35,198.00SqFt Street T		ngth: Grade:	200.00Ft 0.00	Lanes:	Width:	163.00Ft			
Section Con	nments:									
Last Insp. 1	Date: 03/24/20)15 Total Sa	mples: 7	Surv	eyed: 1					
Conditions Inspection C Sample Nu	Comments:	Tvr	e: R		Area:	5 000	.00SqFt	PCI = 72		

L

L

M

200.00 SqFt

27.00 Ft

4,150.00 SqFt

Comments:

Comments:

Comments:

FDOT

Report Generated Date: April 12, 2015

Network:	MTH	Name: TI	HE FLORII	DA KEYS MA	ARATHON	AIRPORT				
Branch:	AP E	Name: Al	PRON E				Use: APRON	Area:	52,248.00SqFt	
Section: Surface:	4510 AC	of 2 Family:	From:	APMP-GA-Al	P-AC		То: -	Zone:	Last Const.: Category:	01/01/1999 Rank: T
Area: Shoulder:	17,050.00SqFt Street T	Leng	gth: Grade:	346.00Ft 0.00	Lanes:	Width:	45.00Ft			

Section Comments:

Last Insp. Date: 03/24/2015 Total Samples: 4 Surveyed: 1

Conditions: PCI: 57 Inspection Comments:

Sample Number: 102 Type: R	Area:	4,550.00SqFt	PCI = 57
Sample Comments:			
43 BLOCK CRACKING	L	2,910.00 SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	175.00 Ft	Comments:
52 RAVELING	L	4,550.00 SqFt	Comments:

FDOT

Report Generated Date: April 12, 2015							
Network: MTH Name: THE FLORIDA KEYS M.	ARATHON	I AIR	PORT				
Branch: AP FLGHT C Name: APRON AT FLIGHT CEN	NTER		Use: AP	RON	Area: 34	1,588.00SqFt	
Section: 4105 of 5 From: - Surface: AC Family: FDOT-SAPMP-GA-Al	P-AC		То: -		Zone:	Last Const.: Category:	01/01/1983 Rank: P
Area: 269,634.00SqFt Length: 1,300.00Ft		W	idth: 245.001	Ft			
Shoulder: Street Type: Grade: 0.00	Lanes:	0					
Section Comments:							
Last Insp. Date: 03/24/2015 Total Samples: 56 Sur Conditions: PCI: 65 Inspection Comments:	veyed:	6					
Sample Number: 101 Type: R	Area:		4,100.00SqFt		PCI = 70		
Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING		L	153.00	Ft	Comments:		
52 RAVELING		L	1,024.00		Comments:		
52 RAVELING		M	4.00	_	Comments:		
57 WEATHERING		L	3,072.00	_	Comments:		
56 SWELLING		L	1.00	_	Comments:		
Sample Number: 107 Type: R Sample Comments:	Area:		4,100.00SqFt		PCI = 66		
48 LONGITUDINAL/TRANSVERSE CRACKING		L	292.00	Ft.	Comments:		
52 RAVELING		L	1,025.00		Comments:		
57 WEATHERING		L	3,075.00	_	Comments:		
42 BLEEDING		N	4.00	_	Comments:		
45 DEPRESSION		L	6.00	_	Comments:		
45 DEPRESSION		M	1.00	_	Comments:		
45 DEPRESSION		M	1.00	-	Comments:		
Sample Number: 204 Type: R	Area:		5,000.00SqFt		PCI = 74		
Sample Comments:		т	215.00	₽₽	Commonta:		
48 LONGITUDINAL/TRANSVERSE CRACKING 56 SWELLING		L L	1.00		Comments: Comments:		
52 RAVELING		Г	1,250.00	-	Comments:		
57 WEATHERING		L	3,750.00		Comments:		
			·				
Sample Number: 400 Type: R Sample Comments:	Area:		4,800.00SqFt		PCI = 74		
48 LONGITUDINAL/TRANSVERSE CRACKING		L	272.00		Comments:		
52 RAVELING		L	1,200.00		Comments:		
57 WEATHERING		L	3,600.00	SqFt	Comments:		
Sample Number: 409 Type: R Sample Comments:	Area:		5,000.00SqFt		PCI = 32		
43 BLOCK CRACKING		L	4,976.00	SqFt	Comments:		
45 DEPRESSION		L	64.00	SqFt	Comments:		
45 DEPRESSION		L	24.00	SqFt	Comments:		
45 DEPRESSION		L	144.00	SqFt	Comments:		
41 ALLIGATOR CRACKING		L	24.00	SqFt	Comments:		
53 RUTTING		L	24.00	SqFt	Comments:		
53 RUTTING		L	66.00		Comments:		
42 BLEEDING		N	66.00		Comments:		
42 BLEEDING		N	6.00		Comments:		
45 DEPRESSION		L	49.00	SqFt	Comments:		

FDOT

1 7 7 7					
45 DEPRESSION	I	60.00	SqFt	Comments:	
53 RUTTING	I	280.00	SqFt	Comments:	
45 DEPRESSION	I	216.00	SqFt	Comments:	
52 RAVELING	I	1,500.00	SqFt	Comments:	
57 WEATHERING	I	3,500.00	SqFt	Comments:	
56 SWELLING	I	12.00	SqFt	Comments:	
Sample Number: 505 Type: R	Area:	5,400.00SqFt		PCI = 75	
Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING	I	254.00	Ft	Comments:	
52 RAVELING	I	1,350.00	SaFt.	Comments:	
52 RAVELING 57 WEATHERING		1,350.00 4,050.00	-	Comments:	

FDOT

Report Generated Date: April 12, 2015

				ARATHON AIRPORT	FLORIDA KEYS MA	Name: THE	MTH	Network:
	1,588.00SqFt	Area: 3	Use: APRON	VTER	ON AT FLIGHT CEN	Name: APRO	AP FLGHT C	Branch:
01/01/198 Rank: 1		Zone:	То: -	P-PCC	From: - FDOT-SAPMP-GA-AI		4110 PCC	Section:
rum. 1	cutegory.	Zone.	27.00Ft	Width:		Length:	4,020.00SqFt	
	202.36Ft	Joint Length:	25.00Ft	Slab Length:	15.00Ft Grade: 0.00	ab Width:		Slabs: 16 Shoulder:
	Category: 202.36Ft	Zone: Joint Length:		Width:		Length: ab Width:	, 1	

Conditions: PCI: 44
Inspection Comments:

Sample Number: 700 Type: R	Area:	16.00Slabs	PCI = 44
Sample Comments:	_	2 00 07 1	~
72 SHATTERED SLAB	Ь	3.00 Slab	s Comments:
73 SHRINKAGE CRACKING	N	12.00 Slabs	s Comments:
62 CORNER BREAK	M	1.00 Slabs	s Comments:
74 JOINT SPALLING	M	2.00 Slabs	s Comments:
70 SCALING/CRAZING	L	10.00 Slabs	s Comments:
63 LINEAR CRACKING	L	9.00 Slabs	s Comments:

FDOT

Report Generated Date: April 12, 2015					
Network: MTH Name: THE FLORIDA KEYS M	ARATHON AIR	PORT			
Branch: AP FLGHT C Name: APRON AT FLIGHT CEL	NTER	Use: APRO	N Area:	341,588.00SqFt	
Section: 4115 of 5 From: - Surface: AC Family: FDOT-SAPMP-GA-A	P-AC	То: -	Zone:	Last Const.: Category:	01/01/1966 Rank: P
Area: 35,147.00SqFt Length: 204.00Ft	Wi	dth: 143.00Ft			
Shoulder: Street Type: Grade: 0.00	Lanes: 0				
Shoulder. Street Type. Glade. 0.00	Eures. 0				
Section Comments:					
Last Insp. Date: 03/24/2015 Total Samples: 8 Sur	veyed: 2				
Conditions: PCI:59					
Inspection Comments:					
Sample Number: 313 Type: R	Aron	4 160 005 aEt	PCI = 36		
Sample Number: 313 Type: R Sample Comments:	Area:	4,160.00SqFt	r C1 = 30		
45 DEPRESSION	L	6.00 Sc	gFt Comments	s:	
48 LONGITUDINAL/TRANSVERSE CRACKING	L	360.00 Ft		g:	
43 BLOCK CRACKING	L	400.00 Sc		s:	
45 DEPRESSION	M	9.00 S	_	s:	
52 RAVELING	M	623.00 Sc	qFt Comments	3:	
52 RAVELING	L	3,531.00 Sc	qFt Comments	3:	
42 BLEEDING	N	16.00 Sc	qFt Comments	3:	
42 BLEEDING	N	3.00 Sc	qFt Comments	3:	
45 DEPRESSION	L	15.00 Sc	qFt Comments	3 :	
49 OIL SPILLAGE	N	10.00 Sc	qFt Comments	g:	
45 DEPRESSION	$_{ m L}$	99.00 Sq	qFt Comments	s :	
43 BLOCK CRACKING	L	375.00 Sc	qFt Comments	s:	
52 RAVELING	H	6.00 Sq	qFt Comments	s:	
48 LONGITUDINAL/TRANSVERSE CRACKING	М	32.00 Ft	t Comments	g:	
Sample Number: 414 Type: R	Area:	5,200.00SqFt	PCI = 78		
Sample Comments:	_	40.00			
48 LONGITUDINAL/TRANSVERSE CRACKING	L -	42.00 Ft			
52 RAVELING	L	260.00 Sq	_		
57 WEATHERING	L	4,940.00 Sc	_		
45 DEPRESSION	L	9.00 Sc			
45 DEPRESSION	L	20.00 Sq	_		
45 DEPRESSION	L	32.00 Sc	qFt Comments	.	

FDOT

Report Generated Date: April 12, 2015

Network: MTH Name: THE FLORIDA KEYS MA	RATHON AIRPORT	,			
Branch: AP FLGHT C Name: APRON AT FLIGHT CEN	TER	Use: APRON	Area:	341,588.00SqFt	
Section: 4120 of 5 From: -		То: -		Last Const.:	01/01/1998
Surface: AC Family: FDOT-SAPMP-GA-AF	-AC		Zone:	Category:	Rank: P
Area: 18,521.00SqFt Length: 345.00Ft	Width:	54.00Ft			
Section Comments: Last Insp. Date: 03/24/2015 Total Samples: 4 Surv Conditions: PCI: 64	reyed: 1				
Inspection Comments:					
Inspection Comments: Sample Number: 101 Type: R	Area: 5,83	32.00SqFt	PCI = 64		
Sample Number: 101 Type: R Sample Comments:	,				
Sample Number: 101 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING	L	284.00 Ft	Comments		
	L L			::	

FDOT

Report Generated Date: April 12, 2015

Network:	MTH	Name:	THE FLORII	OA KEYS MA	ARATHON	AIRPORT				
Branch:	AP FLGHT C	Name:	APRON AT	FLIGHT CEN	ITER		Use: APRON	Area:	341,588.00SqFt	
Section:	4125	of 5	From:	-			То: -		Last Const.:	12/25/1999
Surface:	AC	Famil	y: FDOT-SA	APMP-GA-AI	P-AC			Zone:	Category:	Rank: P
Area:	14,266.00SqFt	L	ength:	108.00Ft		Width:	107.00Ft			
Shoulder:	Street Ty	pe:	Grade:	0.00	Lanes:	0				

Last Insp. Date: 03/24/2015 Total Samples: 3 Surveyed: 1

Conditions: PCI: 83 Inspection Comments:

Sample Number: 515 Type: R	Area:	5,836.00SqFt	PCI = 83
Sample Comments:			
48 LONGITUDINAL/TRANSVERSE CRACKING	I	64.00 Ft	Comments:
52 RAVELING	I	292.00 SqFt	Comments:
57 WEATHERING	I	5,544.00 SqFt	Comments:

FDOT

Report Generated Date: April 12, 2015 Network: MTH Name: THE FLORIDA KEYS M	IARATHON AIF	RPORT			
Branch: AP JET CTR Name: JET CENTER APRON		Use: APR	ON Area:	196,921.00SqFt	
Section: 4305 of 4 From: - Surface: AC Family: FDOT-SAPMP-GA-A	AP-AC	То: -	Zone:	Last Const.: Category:	01/01/1990 Rank: P
Area: 112,985.00SqFt Length: 231.00Ft	W	idth: 510.00Ft			
Shoulder: Street Type: Grade: 0.00	Lanes: 0				
Zaste Type:					
Section Comments:					
	rveyed: 3				
Conditions: PCI: 42					
Inspection Comments:					
Sample Number: 151 Type: R Sample Comments:	Area:	5,000.00SqFt	PCI = 38		
56 SWELLING	L	16.00 \$			
45 DEPRESSION	L	168.00 \$			
45 DEPRESSION	L	80.00 \$	_		
45 DEPRESSION 45 DEPRESSION	L L	350.00 £ 630.00 £			
45 DEPRESSION 45 DEPRESSION	L	192.00	-		
48 LONGITUDINAL/TRANSVERSE CRACKING	L	116.00 E	-		
43 BLOCK CRACKING	L	72.00 \$			
43 BLOCK CRACKING	L	60.00	_		
52 RAVELING	L	1,250.00 \$	_		
57 WEATHERING	L	3,750.00 \$	_	nts:	
Sample Number: 203 Type: R	Area:	5,000.00SqFt	PCI = 45		
Sample Comments:			_		
48 LONGITUDINAL/TRANSVERSE CRACKING	L	274.00 E			
43 BLOCK CRACKING 43 BLOCK CRACKING	L L	1,120.00 S 828.00 S			
43 BLOCK CRACKING	L L	1,080.00 \$	-		
50 PATCHING	M	36.00	_		
45 DEPRESSION	L	100.00	_		
45 DEPRESSION	L	108.00 \$	_		
45 DEPRESSION	L	4.00 \$			
45 DEPRESSION	L	9.00 \$			
45 DEPRESSION	L	32.00 \$	SqFt Commen	nts:	
52 RAVELING	L	1,241.00 \$	SqFt Commen	nts:	
57 WEATHERING	L	3,723.00 \$	SqFt Commen	nts:	
Sample Number: 251 Type: R Sample Comments:	Area:	5,000.00SqFt	PCI = 45		
45 DEPRESSION	L	210.00 \$	SqFt Comme	nts:	
45 DEPRESSION	L	60.00 8		nts:	
45 DEPRESSION	L	182.00 \$		nts:	
45 DEPRESSION	L	20.00 8			
49 OIL SPILLAGE	N	30.00 \$			
43 BLOCK CRACKING	L	840.00 \$			
43 BLOCK CRACKING	L	1,360.00 \$			
52 RAVELING	L	1,250.00 \$			
48 LONGITUDINAL/TRANSVERSE CRACKING 57 WEATHERING	L L	350.00 E 3,750.00 S			
56 SWELLING	L	30.00 \$			
20 201111110	ц	50.00 L	24. 0 001111161	.100-	

FDOT

Report Generated Date: April 12, 2015

Network:	MTH	Name: TI	IE FLORIDA KEYS M	ARATHON AIRPORT				
Branch:	AP JET CTR	Name: JE	T CENTER APRON		Use: APRON	Area: 19	96,921.00SqFt	
Section: Surface:	4310 PCC	of 4 Family:	From: - FDOT-SAPMP-GA-A	P-PCC	То: -	Zone:	Last Const.: Category:	01/01/1987 Rank: P
Area: Slabs: 50	17,801.00SqFt	Leng Slab Width:	th: 580.00Ft 20.00Ft	Width: Slab Length:	30.00Ft 17.50Ft	Joint Length:	1,254.29Ft	
Shoulder:	Street T	ype:	Grade: 0.00	Lanes: 0			-,	
Section Con	nments:							
Last Insp. 1	Date: 03/24/20	15 Total Sam	ples: 4 Sur	veyed: 1				

Conditions: PCI: 31 Inspection Comments:

Sample Number: 120 Type: R	Area:	16.00Slabs	PCI = 31
Sample Comments:			
65 JOINT SEAL DAMAGE	M	16.00 Slabs	s Comments:
62 CORNER BREAK	M	3.00 Slabs	s Comments:
74 JOINT SPALLING	L	5.00 Slabs	s Comments:
62 CORNER BREAK	L	8.00 Slabs	s Comments:
73 SHRINKAGE CRACKING	N	4.00 Slabs	s Comments:
63 LINEAR CRACKING	L	3.00 Slabs	s Comments:
66 SMALL PATCH	L	1.00 Slabs	s Comments:
75 CORNER SPALLING	L	2.00 Slabs	s Comments:
72 SHATTERED SLAB	L	1.00 Slabs	s Comments:
70 SCALING/CRAZING	L	1.00 Slabs	s Comments:
74 JOINT SPALLING	M	1.00 Slabs	s Comments:

FDOT

Network: MTH Name:	THE FLORIDA KEYS M.	ARATHON AI	RPORT					
Branch: AP JET CTR Name:	nch: AP JET CTR Name: JET CENTER APRON		Use: APRON		Area: 1	196,921.00SqFt		
Section: 4315 of 4 Surface: AC Famil	From: - y: FDOT-SAPMP-GA-A	D AC	То: -		Zone:	Last Const.: Category:	12/25/1999 Rank: P	
	-		Vidth: 237.00	ı.E.	Zone.	Category.	Kalik. F	
	ength: 231.00Ft	_		rt				
Shoulder: Street Type:	Grade: 0.00	Lanes: 0						
Section Comments:								
Last Insp. Date: 03/24/2015 Total S	amples: 14 Sur	veyed: 3						
Conditions: PCI: 54 Inspection Comments:								
-	pe: R	Area:	5,000.00SqFt		PCI = 60			
Sample Comments: 49 OIL SPILLAGE		N	3 00	SqFt	Comments:	:		
57 WEATHERING		L			Comments:			
56 SWELLING		L			Comments:			
48 LONGITUDINAL/TRANSVI	ERSE CRACKING	L		_	Comments:			
45 DEPRESSION		L	8.00	SqFt	Comments:			
45 DEPRESSION		L		SqFt	Comments:	:		
45 DEPRESSION		L	25.00	SqFt	Comments:	:		
45 DEPRESSION		L	54.00	SqFt	Comments:	:		
45 DEPRESSION		L	42.00	SqFt	Comments:	:		
45 DEPRESSION		L		_	Comments:	:		
45 DEPRESSION		L		SqFt	Comments:	:		
45 DEPRESSION		L		_	Comments:			
49 OIL SPILLAGE		N		_	Comments:			
49 OIL SPILLAGE		N		SqFt	Comments:			
52 RAVELING		L	•		Comments:			
50 PATCHING		M		-	Comments:			
49 OIL SPILLAGE		N	21.00	SqFt	Comments:			
Sample Number: 198 Ty Sample Comments:	rpe: R	Area:	5,000.00SqFt		PCI = 51			
45 DEPRESSION		L	150.00	SqFt	Comments:	:		
45 DEPRESSION		L			Comments:			
45 DEPRESSION		L	49.00	SqFt	Comments:	:		
45 DEPRESSION		L	44.00	SqFt	Comments:	:		
45 DEPRESSION		L	48.00	SqFt	Comments:	:		
45 DEPRESSION		L			Comments:	:		
50 PATCHING		M		_	Comments:			
45 DEPRESSION		L		_	Comments:			
45 DEPRESSION		L			Comments:			
45 DEPRESSION		L			Comments:			
45 DEPRESSION		L		_	Comments:			
45 DEPRESSION		L			Comments:			
50 PATCHING		M			Comments:			
45 DEPRESSION 52 RAVELING		L L			Comments:			
50 PATCHING		М			Comments: Comments:			
56 SWELLING		M L		SqFt	Comments:			
48 LONGITUDINAL/TRANSVI	ERSE CRACKING	F T			Comments:			
57 WEATHERING	TION CIMORING	L			Comments:			

FDOT

	r ,				
50	PATCHING	M	96.00	SqFt	Comments:
45	DEPRESSION	L	119.00	SqFt	Comments:
45	DEPRESSION	L	45.00	SqFt	Comments:
45	DEPRESSION	L	55.00	SqFt	Comments:
45	DEPRESSION	L	26.00	SqFt	Comments:
45	DEPRESSION	L	18.00	SqFt	Comments:
45	DEPRESSION	L	242.00	SqFt	Comments:
45	DEPRESSION	L	112.00	SqFt	Comments:
45	DEPRESSION	L	88.00	SqFt	Comments:
48	LONGITUDINAL/TRANSVERSE CRACKING	L	22.00	Ft	Comments:
52	RAVELING	L	985.00	SqFt	Comments:
57	WEATHERING	L	3,941.00	SqFt	Comments:

FDOT

Report Generated Date: April 12, 2015

Network:	MTH	Name: THE FLORI	OA KEYS MARATHO	ON AIRPORT				
Branch:	AP JET CTR	Name: JET CENTE	R APRON		Use: APRON	Area:	196,921.00SqFt	
Section: Surface:	4320 AC	of 4 From: Family: FDOT-SA			То: -	Zone:	Last Const.: Category:	01/01/1990 Rank: P
Area:	5,504.00SqFt	Length:	350.00Ft	Width:	23.00Ft			
Shoulder:	Street Ty	pe: Grade:	0.00 Lane	s: 0				
Section Con	nments:							

Last Insp. Date: 03/24/2015 Total Samples: 1 Surveyed: 1

Conditions: PCI: 30 Inspection Comments:

Sample Number: 220 Type: R Sample Comments:	Area:	5,504.00SqFt	PCI = 30
48 LONGITUDINAL/TRANSVERSE CRACKING	L	143.00 Ft	Comments:
54 SHOVING	M	252.00 SqFt	Comments:
45 DEPRESSION	\mathbf{L}	64.00 SqFt	Comments:
45 DEPRESSION	M	675.00 SqFt	Comments:
45 DEPRESSION	L	16.00 SqFt	Comments:
45 DEPRESSION	M	176.00 SqFt	Comments:
52 RAVELING	L	24.00 SqFt	Comments:
45 DEPRESSION	M	108.00 SqFt	Comments:
43 BLOCK CRACKING	L	720.00 SqFt	Comments:

FDOT

Report Generated Date: April 12, 2015

Network:	MTH	Name: Th	IE FLORII	OA KEYS M	ARATHON	AIRPORT				
Branch:	AP TERM	Name: TE	ERMINAL	APRON			Use: APRON	Area:	125,746.00SqFt	
Section:	4205	of 3	From:	-			То: -		Last Const.:	01/01/1978
Surface:	AAC	Family:	FDOT-SA	APMP-GA-A	P-AAC			Zone:	Category:	Rank: P
Area:	20,012.00SqFt	Leng	th:	205.00Ft		Width:	95.00Ft			
Shoulder:	Street Ty	pe:	Grade:	0.00	Lanes:	0				
Section Com	nments:									

Conditions: PCI: 59 Inspection Comments:

Sample Number: 201 Type: R	Area:	5,000.00SqFt		PCI = 59
Sample Comments: 45 DEPRESSION	I	10.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	380.00	Ft	Comments:
56 SWELLING	I	30.00	SqFt	Comments:
52 RAVELING	L	1,250.00	SqFt	Comments:
57 WEATHERING	L	3,750.00	SqFt	Comments:
45 DEPRESSION	H	21.00	SqFt	Comments:
56 SWELLING	I	97.00	SqFt	Comments:

FDOT

Report Generated Date: April 12, 2015

Network:	MTH	Name: THE FLORI	DA KEYS MARATHO	ON AIRPORT				
Branch:	AP TERM	Name: TERMINAL	APRON		Use: APRON	Area:	125,746.00SqFt	
Section:	4210 A.C.	of 3 From:			То: -	Zone:	Last Const.:	01/01/1999
Surface:	AC	Family: FDOT-S	APMP-GA-AP-AC			Zone:	Category:	Rank: P
Area:	18,371.00SqFt	Length:	305.00Ft	Width:	60.00Ft			
Shoulder:	Street Ty	pe: Grade:	0.00 Lane	es: 0				

Section Comments:

Last Insp. Date: 03/24/2015 Total Samples: 5 Surveyed: 1

Conditions: PCI: 59 Inspection Comments:

Sample Number: 202 Type: R	Area:	4,650.00SqFt		PCI = 59	
Sample Comments:					
45 DEPRESSION	L	200.00	SqFt	Comments:	
45 DEPRESSION	I	60.00	SqFt	Comments:	
48 LONGITUDINAL/TRANSVERSE CRACKING	I	100.00	Ft	Comments:	
48 LONGITUDINAL/TRANSVERSE CRACKING	I	224.00	Ft	Comments:	
43 BLOCK CRACKING	I	250.00	SqFt	Comments:	
56 SWELLING	I	8.00	SqFt	Comments:	
56 SWELLING	I	16.00	SqFt	Comments:	
45 DEPRESSION	H	7.00	SqFt	Comments:	
45 DEPRESSION	H	7.00	SqFt	Comments:	
45 DEPRESSION	I	90.00	SqFt	Comments:	
45 DEPRESSION	I	8.00	SqFt	Comments:	

FDOT

Report Generated Date: April 12, 2015

Report Generated Date: April 12, 2015					
Network: MTH Name: THE FLORIDA KEYS MA	ARATHON AIRPORT	Γ			
Branch: AP TERM Name: TERMINAL APRON		Use: APRON	Area: 125	5,746.00SqFt	
Section: 4220 of 3 From: -		То: -		Last Const.:	01/01/1994
Surface: PCC Family: FDOT-SAPMP-GA-AF	P-PCC		Zone:	Category:	Rank: P
Area: 87,363.00SqFt Length: 609.00Ft	Width:	127.00Ft			
Slabs: 196 Slab Width: 20.00Ft	Slab Length:	20.00Ft	Joint Length:	6,998.30Ft	
Shoulder: Street Type: Grade: 0.00	Lanes: 0		8	.,	
21					
Section Comments:					
Last Insp. Date: 03/24/2015 Total Samples: 12 Surv Conditions: PCI: 65 Inspection Comments:	veyed: 2				
Sample Number: 207 Type: R	Area:	15.00Slabs	PCI = 66		
Sample Comments: 65 JOINT SEAL DAMAGE	L	15.00 Slabs	Comments:		
70 SCALING/CRAZING	L	13.00 Slabs	Comments:		
73 SHRINKAGE CRACKING	N	5.00 Slabs	Comments:		
75 CORNER SPALLING	L	2.00 Slabs	Comments:		
63 LINEAR CRACKING	L	1.00 Slabs	Comments:		
74 JOINT SPALLING	L	9.00 Slabs	Comments:		
Sample Number: 305 Type: R Sample Comments:	Area:	20.00Slabs	PCI = 64		
65 JOINT SEAL DAMAGE	L	20.00 Slabs	Comments:		
63 LINEAR CRACKING	L	7.00 Slabs	Comments:		
73 SHRINKAGE CRACKING	N	9.00 Slabs	Comments:		
70 SCALING/CRAZING	L	10.00 Slabs	Comments:		
74 JOINT SPALLING	L	8.00 Slabs	Comments:		
75 CORNER SPALLING	L	1.00 Slabs	Comments:		

FDOT

57 WEATHERING

Report Generated Date: April 12, 2015

Network: MTH	Name: THE FLORIDA KI	EYS MARATHON AII	RPORT			
Branch: AP T-HAN	Name: T-HANGAR APRO	ONS	Use: APRON	Area:	37,434.00SqFt	
Section: 4405	of 1 From: -		То: -	7	Last Const.:	12/25/1999
Surface: AC	Family: FDOT-SAPMP		7.44h. 25.00E.	Zone:	Category:	Rank: P
Area: 37,434.00SqFt Shoulder: Street Ty	6		7idth: 25.00Ft			
•	ype. Grade. 0.00					
Section Comments:						
Conditions: PCI: 79						
Inspection Comments: Sample Number: 202 Sample Comments:	Type: R	Area:	3,575.00SqFt	PCI = 85		
Inspection Comments: Sample Number: 202	Type: R	Area:	4.00 SqFt	PCI = 85	:	
Inspection Comments: Sample Number: 202 Sample Comments: 45 DEPRESSION 45 DEPRESSION	Type: R	L L	4.00 SqFt 1.00 SqFt	Comments Comments	:	
Inspection Comments: Sample Number: 202 Sample Comments: 45 DEPRESSION	Type: R	L	4.00 SqFt	Comments	: :	
Inspection Comments: Sample Number: 202 Sample Comments: 45 DEPRESSION 45 DEPRESSION 52 RAVELING 57 WEATHERING Sample Number: 402	Type: R	L L	4.00 SqFt 1.00 SqFt 358.00 SqFt	Comments Comments	: :	
Inspection Comments: Sample Number: 202 Sample Comments: 45 DEPRESSION 45 DEPRESSION 52 RAVELING 57 WEATHERING Sample Number: 402 Sample Comments:		L L L Area:	4.00 SqFt 1.00 SqFt 358.00 SqFt 3,217.00 SqFt 3,575.00SqFt	Comments Comments Comments Comments	:	
Inspection Comments: Sample Number: 202 Sample Comments: 45 DEPRESSION 45 DEPRESSION 52 RAVELING 57 WEATHERING Sample Number: 402		L L L	4.00 SqFt 1.00 SqFt 358.00 SqFt 3,217.00 SqFt 3,575.00SqFt 42.00 SqFt	Comments Comments Comments	:	
Inspection Comments: Sample Number: 202 Sample Comments: 45 DEPRESSION 45 DEPRESSION 52 RAVELING 57 WEATHERING Sample Number: 402 Sample Comments: 45 DEPRESSION		L L L Area:	4.00 SqFt 1.00 SqFt 358.00 SqFt 3,217.00 SqFt 3,575.00SqFt	Comments Comments Comments Comments Comments	:	
Inspection Comments: Sample Number: 202 Sample Comments: 45 DEPRESSION 45 DEPRESSION 52 RAVELING 57 WEATHERING Sample Number: 402 Sample Comments: 45 DEPRESSION 45 DEPRESSION 45 DEPRESSION		L L L Area:	4.00 SqFt 1.00 SqFt 358.00 SqFt 3,217.00 SqFt 3,575.00SqFt 42.00 SqFt 4.00 SqFt	Comments Comments Comments Comments Comments Comments	: : :	

L

3,217.00 SqFt Comments:

FDOT

Network: MTH Name: THE FLORIDA KEYS N	MARATHON	AIRPO	RT			
Branch: RW 7-25 Name: RUNWAY 7-25			Use: RUNWA	AY Area:	500,800.00SqFt	
Section: 6105 of 2 From: - Surface: AAC Family: FDOT-SAPMP-GA-I	RW-AAC		То: -	Zone:	Last Const.: Category:	01/01/1985 Rank: P
Area: 375,600.00SqFt Length: 5,008.00Ft		Widt	h: 75.00Ft	Zone.	category.	1
Shoulder: Street Type: Grade: 0.00	Lanes:		75.0011			
Section Comments:						
Last Insp. Date: 03/24/2015 Total Samples: 100 Su Conditions: PCI: 61 Inspection Comments:	urveyed: 2	1				
Sample Number: 100 Type: R	Area:	3	,750.00SqFt	PCI = 59		
Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING		L	225.00 Ft	Comments	a :	
48 LONGITUDINAL/TRANSVERSE CRACKING		M	25.00 Ft	Comments		
52 RAVELING		L	3,634.00 SqF			
52 RAVELING		M	116.00 SqF			
Sample Number: 104 Type: R Sample Comments:	Area:	3	5,750.00SqFt	PCI = 63		
48 LONGITUDINAL/TRANSVERSE CRACKING		L	222.00 Ft	Comments	3 :	
48 LONGITUDINAL/TRANSVERSE CRACKING		M	22.00 Ft	Comments		
52 RAVELING		L	3,000.00 SqF			
57 WEATHERING		L	750.00 SqF		3:	
Sample Number: 107 Type: R	Area:	3	,750.00SqFt	PCI = 63		
Sample Comments: 52 RAVELING		L	3,375.00 SqF	Ft Comments	a:	
57 WEATHERING		L	375.00 SqF			
48 LONGITUDINAL/TRANSVERSE CRACKING		M	50.00 Ft	Comments	s:	
48 LONGITUDINAL/TRANSVERSE CRACKING		L	208.00 Ft	Comments	g:	
Sample Number: 112 Type: R Sample Comments:	Area:	3	,750.00SqFt	PCI = 63		
48 LONGITUDINAL/TRANSVERSE CRACKING		M	50.00 Ft	Comments	3 :	
48 LONGITUDINAL/TRANSVERSE CRACKING		L	211.00 Ft	Comments		
52 RAVELING		L	3,375.00 SqF			
57 WEATHERING		L	375.00 SqF	Ft Comments	5 :	
Sample Number: 117 Type: R Sample Comments:	Area:	3	,750.00SqFt	PCI = 63		
48 LONGITUDINAL/TRANSVERSE CRACKING		M	34.00 Ft	Comments	3:	
48 LONGITUDINAL/TRANSVERSE CRACKING		L	231.00 Ft	Comments	5 :	
52 RAVELING		L	3,375.00 SqF			
57 WEATHERING		L	375.00 SqF	Ft Comments	5:	
Sample Number: 118 Type: R Sample Comments:	Area:	3	,750.00SqFt	PCI = 63		
48 LONGITUDINAL/TRANSVERSE CRACKING		L	259.00 Ft	Comments	: :	
48 LONGITUDINAL/TRANSVERSE CRACKING		M	50.00 Ft	Comments	s:	
52 RAVELING		L	3,375.00 SqF			
57 WEATHERING		L	375.00 SqF	Ft Comments	5 :	

FDOT

Comple Number 122 Town D	Δ		2.750.00G E		DCI - 50	
Sample Number: 122 Type: R	Area:		3,750.00SqFt		PCI = 59	
Sample Comments: 52 RAVELING		M	187.00	Saft	Comments:	
52 RAVELING		L	3,563.00		Comments:	
48 LONGITUDINAL/TRANSVERSE CRACKING		L	247.00		Comments:	
48 LONGITUDINAL/TRANSVERSE CRACKING		М	50.00		Comments:	
Sample Number: 127 Type: R	Area:		3,750.00SqFt		PCI = 54	
Sample Comments:	Aica.		3,730.003q11		101 – 34	
48 LONGITUDINAL/TRANSVERSE CRACKING		L	264.00	Ft.	Comments:	
48 LONGITUDINAL/TRANSVERSE CRACKING		M	57.00		Comments:	
48 LONGITUDINAL/TRANSVERSE CRACKING		Н	13.00		Comments:	
52 RAVELING		L	3,563.00		Comments:	
52 RAVELING		M	187.00		Comments:	
Sample Number: 134 Type: R	Area:		3,750.00SqFt		PCI = 59	
Sample Comments:			1			
48 LONGITUDINAL/TRANSVERSE CRACKING		L	171.00	Ft	Comments:	
48 LONGITUDINAL/TRANSVERSE CRACKING		M	70.00	Ft	Comments:	
48 LONGITUDINAL/TRANSVERSE CRACKING		L	62.00	Ft	Comments:	
52 RAVELING		M	187.00	SqFt	Comments:	
52 RAVELING		L	3,563.00	SqFt	Comments:	
Sample Number: 135 Type: R	Area:		3,750.00SqFt		PCI = 61	
Sample Comments:			•			
48 LONGITUDINAL/TRANSVERSE CRACKING		M	75.00	Ft	Comments:	
48 LONGITUDINAL/TRANSVERSE CRACKING		L	241.00	Ft	Comments:	
52 RAVELING		M	188.00	_	Comments:	
52 RAVELING		L	3,000.00	SqFt	Comments:	
Sample Number: 142 Type: R	Area:		3,750.00SqFt		PCI = 61	
Sample Comments:		_	0.41 0.0			
48 LONGITUDINAL/TRANSVERSE CRACKING		L	241.00		Comments:	
48 LONGITUDINAL/TRANSVERSE CRACKING		M	50.00		Comments:	
		3.7	100 00		Comments:	
52 RAVELING		M	188.00			
		M L	188.00 3,000.00		Comments:	
52 RAVELING 52 RAVELING	A		3,000.00		Comments:	
52 RAVELING 52 RAVELING Sample Number: 149 Type: R	Area:					
52 RAVELING 52 RAVELING Sample Number: 149 Type: R Sample Comments:	Area:	L	3,750.00SqFt	SqFt	Comments: PCI = 63	
52 RAVELING 52 RAVELING Sample Number: 149 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING	Area:	L L	3,000.00 3,750.00SqFt 175.00	SqFt Ft	Comments: PCI = 63 Comments:	
52 RAVELING 52 RAVELING Sample Number: 149 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING	Area:	L L M	3,000.00 3,750.00SqFt 175.00 60.00	SqFt Ft Ft	Comments: PCI = 63 Comments: Comments:	
52 RAVELING 52 RAVELING Sample Number: 149 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING	Area:	L L M L	3,000.00 3,750.00SqFt 175.00 60.00 90.00	SqFt Ft Ft Ft	Comments: Comments: Comments: Comments:	
52 RAVELING 52 RAVELING Sample Number: 149 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING 52 RAVELING	Area:	L M L L	3,000.00 3,750.00SqFt 175.00 60.00 90.00 3,375.00	SqFt Ft Ft SqFt	Comments: Comments: Comments: Comments: Comments:	
52 RAVELING 52 RAVELING Sample Number: 149 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING	Area:	L L M L	3,000.00 3,750.00SqFt 175.00 60.00 90.00	SqFt Ft Ft SqFt	Comments: Comments: Comments: Comments:	
52 RAVELING 52 RAVELING Sample Number: 149 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING 52 RAVELING 57 WEATHERING		L M L L	3,000.00 3,750.00SqFt 175.00 60.00 90.00 3,375.00 375.00	SqFt Ft Ft SqFt	Comments: PCI = 63 Comments: Comments: Comments: Comments: Comments:	
52 RAVELING 52 RAVELING Sample Number: 149 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING 52 RAVELING 57 WEATHERING Sample Number: 157 Type: R	Area:	L M L L	3,000.00 3,750.00SqFt 175.00 60.00 90.00 3,375.00	SqFt Ft Ft SqFt	Comments: Comments: Comments: Comments: Comments:	
52 RAVELING 52 RAVELING Sample Number: 149 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING 52 RAVELING 57 WEATHERING Sample Number: 157 Type: R Sample Comments:		L M L L	3,000.00 3,750.00SqFt 175.00 60.00 90.00 3,375.00 375.00	Ft Ft Ft SqFt SqFt	Comments: PCI = 63 Comments: Comments: Comments: Comments: Comments:	
52 RAVELING 52 RAVELING Sample Number: 149 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING 52 RAVELING 57 WEATHERING Sample Number: 157 Type: R		L M L L L	3,000.00 3,750.00SqFt 175.00 60.00 90.00 3,375.00 375.00 3,750.00SqFt 291.00	Ft Ft Ft SqFt SqFt	Comments: PCI = 63 Comments: Comments: Comments: Comments: Comments:	
52 RAVELING 52 RAVELING Sample Number: 149 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING 52 RAVELING 57 WEATHERING Sample Number: 157 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING		L M L L	3,000.00 3,750.00SqFt 175.00 60.00 90.00 3,375.00 375.00 3,750.00SqFt 291.00 3,000.00	Ft SqFt SqFt SqFt	Comments: PCI = 63 Comments: Comments: Comments: Comments: PCI = 64 Comments:	
52 RAVELING 52 RAVELING Sample Number: 149 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING 52 RAVELING 57 WEATHERING Sample Number: 157 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 52 RAVELING		L M L L L	3,000.00 3,750.00SqFt 175.00 60.00 90.00 3,375.00 375.00 3,750.00SqFt 291.00	Ft SqFt SqFt SqFt	Comments: PCI = 63 Comments: Comments: Comments: Comments: Comments: Comments:	
52 RAVELING 52 RAVELING 52 RAVELING Sample Number: 149 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING 52 RAVELING 57 WEATHERING Sample Number: 157 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 52 RAVELING 53 RAVELING 54 RAVELING 55 RAVELING	Area:	L M L L L	3,000.00 3,750.00SqFt 175.00 60.00 90.00 3,375.00 375.00 3,750.00SqFt 291.00 3,000.00 188.00	Ft SqFt SqFt SqFt	Comments: PCI = 63 Comments: Comments: Comments: Comments: Comments: Comments: Comments: Comments: Comments:	
52 RAVELING 52 RAVELING Sample Number: 149 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING 52 RAVELING 57 WEATHERING Sample Number: 157 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 52 RAVELING 52 RAVELING 53 RAVELING 54 RAVELING 55 RAVELING 56 Sample Number: 163 Type: R		L M L L L	3,000.00 3,750.00SqFt 175.00 60.00 90.00 3,375.00 375.00 3,750.00SqFt 291.00 3,000.00	Ft SqFt SqFt SqFt	Comments: PCI = 63 Comments: Comments: Comments: Comments: Comments: Comments:	
52 RAVELING 52 RAVELING 52 RAVELING Sample Number: 149 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING 52 RAVELING 57 WEATHERING Sample Number: 157 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 52 RAVELING 53 RAVELING 54 RAVELING 55 RAVELING	Area:	L M L L L	3,000.00 3,750.00SqFt 175.00 60.00 90.00 3,375.00 375.00 3,750.00SqFt 291.00 3,000.00 188.00	Ft Ft SqFt SqFt SqFt	Comments: PCI = 63 Comments: Comments: Comments: Comments: Comments: Comments: Comments: Comments: Comments:	
52 RAVELING 52 RAVELING Sample Number: 149 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING 52 RAVELING 57 WEATHERING Sample Number: 157 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 52 RAVELING 52 RAVELING 52 RAVELING 53 Type: R Sample Number: 163 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING	Area:	L M L L L	3,000.00 3,750.00SqFt 175.00 60.00 90.00 3,375.00 375.00 3,750.00SqFt 291.00 3,000.00 188.00 3,750.00SqFt 72.00	Ft Ft SqFt SqFt SqFt Ft SqFt	Comments: PCI = 63 Comments: Comments: Comments: Comments: Comments: Comments: Comments: PCI = 64 Comments: Comments: Comments: Comments:	
52 RAVELING 52 RAVELING Sample Number: 149 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING 52 RAVELING 57 WEATHERING Sample Number: 157 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 52 RAVELING 52 RAVELING 53 Type: R Sample Number: 163 Type: R Sample Comments:	Area:	L M L L L M M	3,000.00 3,750.00SqFt 175.00 60.00 90.00 3,375.00 375.00 3,750.00SqFt 291.00 3,000.00 188.00 3,750.00SqFt 72.00 235.00	Ft Ft SqFt SqFt Ft SqFt	Comments: PCI = 63 Comments: Comments: Comments: Comments: Comments: Comments: PCI = 64 Comments: Comments: Comments: Comments: Comments:	
52 RAVELING 52 RAVELING Sample Number: 149 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING 52 RAVELING 57 WEATHERING Sample Number: 157 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 52 RAVELING 52 RAVELING 53 Type: R Sample Number: 163 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING 52 RAVELING	Area:	L M L L L L M M L	3,000.00 3,750.00SqFt 175.00 60.00 90.00 3,375.00 375.00 3,750.00SqFt 291.00 3,000.00 188.00 3,750.00SqFt 72.00 235.00 14.00	Ft Ft SqFt SqFt Ft SqFt	Comments: PCI = 63 Comments:	
52 RAVELING 52 RAVELING Sample Number: 149 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING 52 RAVELING 57 WEATHERING Sample Number: 157 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 52 RAVELING 52 RAVELING 53 Type: R Sample Number: 163 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING	Area:	L M L L L M M L H	3,000.00 3,750.00SqFt 175.00 60.00 90.00 3,375.00 375.00 3,750.00SqFt 291.00 3,000.00 188.00 3,750.00SqFt 72.00 235.00	Ft Ft SqFt Ft SqFt Ft SqFt SqFt	Comments: PCI = 63 Comments:	

FDOT

Sample Number: 169 Type: R	Area:		3,750.00SqFt		PCI = 61
Sample Comments:	- 22 0 000		-		
48 LONGITUDINAL/TRANSVERSE CRACKING		L	276.00		Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING		M	8.00		Comments:
52 RAVELING		M	188.00		Comments:
52 RAVELING		L	3,000.00	SqFt	Comments:
Sample Number: 174 Type: R Sample Comments:	Area:		3,750.00SqFt		PCI = 61
52 RAVELING		L	3,000.00	SqFt	Comments:
52 RAVELING		M	188.00	_	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING		M	92.00	_	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING		L	174.00	Ft	Comments:
Sample Number: 182 Type: R Sample Comments:	Area:		3,750.00SqFt		PCI = 60
48 LONGITUDINAL/TRANSVERSE CRACKING		L	304.00	Ft	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING		M	50.00	Ft	Comments:
52 RAVELING		L	3,000.00		Comments:
52 RAVELING		M	188.00		Comments:
Sample Number: 190 Type: R Sample Comments:	Area:		3,750.00SqFt		PCI = 63
48 LONGITUDINAL/TRANSVERSE CRACKING		L	276.00	Ft	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING		M	50.00	Ft	Comments:
52 RAVELING		L	3,375.00	SaFt	Comments:
57 WEATHERING		L	375.00		Comments:
Sample Number: 193 Type: R Sample Comments:	Area:		3,750.00SqFt		PCI = 68
48 LONGITUDINAL/TRANSVERSE CRACKING		L	130.00	Ft	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING		L	124.00	Ft	Comments:
52 RAVELING		L	3,000.00	SqFt	Comments:
57 WEATHERING		L	750.00		Comments:
Sample Number: 198 Type: R Sample Comments:	Area:		3,750.00SqFt		PCI = 61
48 LONGITUDINAL/TRANSVERSE CRACKING		L	267.00	Ft	Comments:
52 RAVELING		L	3,000.00		Comments:
52 RAVELING		M	375.00		Comments:
Sample Number: 199 Type: R Sample Comments:	Area:		4,350.00SqFt		PCI = 65
52 RAVELING		L	3,915.00	SqFt	Comments:
52 RAVELING		M	218.00		Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING		L	276.00	Ft	Comments:

FDOT

Network: MTH Name: THE FLORIDA KEYS M	ARATHON	AIRI	PORT				
Branch: RW 7-25 Name: RUNWAY 7-25			Use: RU	JNWAY	Area: 50	00,800.00SqFt	
Section: 6110 of 2 From: -			То: -			Last Const.:	01/01/1985
Surface: AAC Family: FDOT-SAPMP-GA-R	W-AAC				Zone:	Category:	Rank: P
Area: 125,200.00SqFt Length: 5,008.00Ft		Wi	dth: 25.00	Ft			
Shoulder: Street Type: Grade: 0.00	Lanes:	0					
Section Comments:							
Last Insp. Date: 03/24/2015 Total Samples: 25 Sur Conditions: PCI: 62	veyed: 5	i					
Inspection Comments:							
Sample Number: 300 Type: R Sample Comments:	Area:		5,000.00SqFt		PCI = 60		
48 LONGITUDINAL/TRANSVERSE CRACKING		L	333.00	Ft	Comments:		
52 RAVELING		L	4,440.00	_	Comments:		
52 RAVELING		М	560.00	SqFt	Comments:		
Sample Number: 304 Type: R Sample Comments:	Area:		5,000.00SqFt		PCI = 64		
48 LONGITUDINAL/TRANSVERSE CRACKING		M	6.00	Ft	Comments:		
48 LONGITUDINAL/TRANSVERSE CRACKING		L	377.00	Ft	Comments:		
52 RAVELING		L	4,000.00	_	Comments:		
57 WEATHERING		L	1,000.00	SqFt	Comments:		
Sample Number: 310 Type: R Sample Comments:	Area:		5,000.00SqFt		PCI = 61		
48 LONGITUDINAL/TRANSVERSE CRACKING		M	14.00	Ft	Comments:		
48 LONGITUDINAL/TRANSVERSE CRACKING		L	598.00	Ft	Comments:		
52 RAVELING		L	3,500.00	SqFt	Comments:		
57 WEATHERING		L	1,500.00	SqFt	Comments:		
Sample Number: 318 Type: R Sample Comments:	Area:		5,000.00SqFt		PCI = 63		
48 LONGITUDINAL/TRANSVERSE CRACKING		L	687.00	Ft	Comments:		
52 RAVELING		L	4,000.00	SqFt	Comments:		
57 WEATHERING		L	1,000.00		Comments:		
Sample Number: 323 Type: R Sample Comments:	Area:		5,000.00SqFt		PCI = 63		
48 LONGITUDINAL/TRANSVERSE CRACKING		L	670.00	Ft	Comments:		
48 LONGITUDINAL/TRANSVERSE CRACKING		L	65.00		Comments:		
52 RAVELING		L	4,000.00		Comments:		
57 WEATHERING		L	1,000.00	SqFt	Comments:		

FDOT

Network: MTH Name: THE FLORIDA KEYS M	ARATHON A	AIRPORT					
Branch: TW A Name: TAXIWAY A			Use: TAXI	WAY Are	ea: 30	3,531.00SqFt	
Section: 105 of 2 From: - Surface: AAC Family: FDOT-SAPMP-GA-T Area: 252,877.00SqFt Length: 4,950.00Ft	W-AAC	Width:	To: - 50.00Ft	Zor	ne:	Last Const.: Category:	01/01/1998 Rank: P
Shoulder: Street Type: Grade: 0.00	Lanes:	0					
Section Comments:							
Last Insp. Date: 03/24/2015 Total Samples: 51 Sur Conditions: PCI: 66 Inspection Comments:	rveyed: 5						
Sample Number: 111 Type: R Sample Comments:	Area:	5,000.003	SqFt	PCI = 69)		
48 LONGITUDINAL/TRANSVERSE CRACKING		L 1	36.00 Ft	t Com	ments:		
52 RAVELING		M	46.00 S	qFt Com	ments:		
52 RAVELING		M 2	16.00 S	qFt Com	ments:		
52 RAVELING			48.00 S		ments:		
53 RUTTING		L	20.00 S	qFt Com	ments:		
45 DEPRESSION		L	4.00 S	_	ments:		
45 DEPRESSION		L	1.00 S	qFt Com	ments:		
Sample Number: 118 Type: R Sample Comments:	Area:	5,000.003	SqFt	PCI = 68	3		
52 RAVELING		L 1,0	00.00 S	qFt Com	ments:		
57 WEATHERING		L 4,0	00.00 S		ments:		
48 LONGITUDINAL/TRANSVERSE CRACKING			96.00 Ft		ments:		
53 RUTTING		L	24.00 S	qFt Com	ments:		
Sample Number: 124 Type: R Sample Comments:	Area:	5,000.003	SqFt	PCI = 76	5		
48 LONGITUDINAL/TRANSVERSE CRACKING		L 2	43.00 Ft	t Com	ments:		
52 RAVELING		L	4.00 S	qFt Com	ments:		
52 RAVELING		ь 7	50.00 S	qFt Com	ments:		
57 WEATHERING		L 4,2	50.00 S	qFt Com	ments:		
Sample Number: 135 Type: R Sample Comments:	Area:	5,000.003	SqFt	PCI = 60	5		
48 LONGITUDINAL/TRANSVERSE CRACKING		L 5	17.00 Ft	t Com	ments:		
52 RAVELING		L 1,0	00.00 S	qFt Com	ments:		
57 WEATHERING		L 4,0	00.00 s	qFt Com	ments:		
Sample Number: 143 Type: R Sample Comments:	Area:	5,000.000	SqFt	PCI = 49)		
45 DEPRESSION		L 2	38.00 S	qFt Com	ments:		
45 DEPRESSION		L	44.00 S	qFt Com	ments:		
45 DEPRESSION		L	10.00 S	qFt Com	ments:		
45 DEPRESSION		L	4.00 S	qFt Com	ments:		
53 RUTTING		L	8.00 S	qFt Com	ments:		
48 LONGITUDINAL/TRANSVERSE CRACKING			76.00 Ft		ments:		
52 RAVELING			50.00 S		ments:		
57 WEATHERING		L 4,2	50.00 S	qFt Com	ments:		

FDOT

48 LONGITUDINAL/TRANSVERSE CRACKING

Report Generated Date: April 12, 2015

Network: MTH Name: THE FLORIDA KEYS M	IARATHON AIRF	PORT			
Branch: TW A Name: TAXIWAY A		Use: TAXIWAY	Area:	303,531.00SqFt	
Section: 115 of 2 From: -		То: -		Last Const.:	12/25/1999
Surface: AC Family: FDOT-SAPMP-GA-T	W-AC		Zone:	Category:	Rank: P
Area: 50,654.00SqFt Length: 1,420.00Ft	Wie	dth: 35.00Ft			
Shoulder: Street Type: Grade: 0.00	Lanes: 0				
Section Comments:					
Conditions: PCI: 69 Inspection Comments:					
Inspection Comments: Sample Number: 402 Type: R	Area:	3,500.00SqFt	PCI = 67		
Inspection Comments: Sample Number: 402 Type: R Sample Comments:				:	
Inspection Comments: Sample Number: 402 Type: R Sample Comments: 43 BLOCK CRACKING	Area: L L	3,500.00SqFt 108.00 SqFt 237.00 Ft	PCI = 67 Comments Comments		
Inspection Comments: Sample Number: 402 Type: R Sample Comments:	L	108.00 SqFt	Comments	:	
Inspection Comments: Sample Number: 402 Type: R Sample Comments: 43 BLOCK CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING	L L	108.00 SqFt 237.00 Ft	Comments Comments	: :	
Inspection Comments: Sample Number: 402 Type: R Sample Comments: 43 BLOCK CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING 52 RAVELING 57 WEATHERING	L L L	108.00 SqFt 237.00 Ft 175.00 SqFt 3,325.00 SqFt	Comments Comments Comments	: :	
Inspection Comments: Sample Number: 402 Type: R Sample Comments: 43 BLOCK CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING 52 RAVELING 57 WEATHERING	L L L	108.00 SqFt 237.00 Ft 175.00 SqFt	Comments Comments Comments	: :	
Inspection Comments: Sample Number: 402 Type: R Sample Comments: 43 BLOCK CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING 52 RAVELING 57 WEATHERING Sample Number: 405 Type: R Sample Comments: 43 BLOCK CRACKING	L L L	108.00 SqFt 237.00 Ft 175.00 SqFt 3,325.00 SqFt 3,500.00SqFt 189.00 SqFt	Comments Comments Comments	:	
Inspection Comments: Sample Number: 402 Type: R Sample Comments: 43 BLOCK CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING 52 RAVELING 57 WEATHERING Sample Number: 405 Type: R Sample Comments:	L L L L	108.00 SqFt 237.00 Ft 175.00 SqFt 3,325.00 SqFt	Comments Comments Comments Comments	: : :	

Comments:

39.00 Ft

FDOT

Network:	MTH	Name: THE	FLORIDA KEYS MARA	THON AIRPORT				
Branch:	TW B	Name: TAX	IWAY B		Use: TAXIWAY	Area:	10,711.00SqFt	
Section:	151		From: -		То: -	_	Last Const.:	01/01/1998
Surface: Area:	AAC 10,711.00SqFt	Family: Fi	DOT-SAPMP-GA-TW-A : 100.00Ft	AC Width:	100.00Ft	Zone:	Category:	Rank: P
Shoulder:	Street T	Ü		Lanes: 0	100.0014			
Section Com	nments:							

Sample Number: 201 Type: R	Area:	5,175.00SqFt	PCI = 61	
Sample Comments:				
48 LONGITUDINAL/TRANSVERSE CRACKING	L	319.00 Ft	Comments:	
43 BLOCK CRACKING	L	686.00 SqFt	Comments:	
52 RAVELING	L	518.00 SqFt	Comments:	
57 WEATHERING	L	4,658.00 SqFt	Comments:	
45 DEPRESSION	L	63.00 SqFt	Comments:	

FDOT

Report Generated Date: April 12, 2015

Network:	MTH	Name: THE FLORIDA KEYS MARATHON AIRPORT			
Branch:	TW C	Name: TAXIWAY C	Use: TAXIWAY	Area:	10,120.00SqFt
Section: Surface:	205 AAC	of 2 From: - Family: FDOT-SAPMP-GA-TW-AAC	То: -	Zone:	Last Const.: 01/01/1998 Category: Rank: P
Area:	6,247.00SqFt	Length: 75.00Ft Width:	56.00Ft		
Shoulder:	Street Ty	pe: Grade: 0.00 Lanes: 0			

Section Comments:

Last Insp. Date: 03/24/2015 Total Samples: 1 Surveyed: 1

Conditions: PCI: 70 Inspection Comments:

Sample Number: 201 Type: R Sample Comments:	Area:	6,247.00SqFt		PCI = 70	
48 LONGITUDINAL/TRANSVERSE CRACKING	L	71.00	Ft	Comments:	
45 DEPRESSION	L	8.00	SqFt	Comments:	
45 DEPRESSION	L	6.00	SqFt	Comments:	
45 DEPRESSION	L	25.00	SqFt	Comments:	
45 DEPRESSION	L	56.00	SqFt	Comments:	
45 DEPRESSION	L	36.00	SqFt	Comments:	
45 DEPRESSION	L	6.00	SqFt	Comments:	
45 DEPRESSION	L	36.00	SqFt	Comments:	
45 DEPRESSION	L	16.00	SqFt	Comments:	
52 RAVELING	L	625.00	SqFt	Comments:	
57 WEATHERING	L	5,622.00	SqFt	Comments:	

FDOT

Report Generated Date: April 12, 2015

Network:	MTH	Name: Th	IE FLORII	DA KEYS MA	ARATHON	AIRPORT				
Branch:	TW C	Name: TA	AXIWAY (2			Use: TAXIWAY	Area:	10,120.00SqFt	
Section: Surface:	210 AAC	of 2 Family:	From: FDOT-SA	- APMP-GA-TV	W-AAC		То: -	Zone:	Last Const.: Category:	01/01/1998 Rank: P
Area: Shoulder:	3,873.00SqFt Street Ty	Leng	gth: Grade:	50.00Ft 0.00	Lanes:	Width:	56.00Ft			
Section Con	-	. 1								

Last Insp. Date: 03/24/2015 Total Samples: 1 Surveyed: 1

Conditions: PCI: 65 Inspection Comments:

	ple Number:	200	Type: R		Area:		3,873.00SqFt		PCI = 65
	ole Comments: LONGITUDIN	JAL/	TRANSVERSE	CRACKING		M	15.00	Ft	Comments:
48	LONGITUDIN	IAL/	TRANSVERSE	CRACKING		L	198.00	Ft	Comments:
52	RAVELING					L	387.00	SqFt	Comments:
57	WEATHERING	3				L	3,486.00	SqFt	Comments:
45	DEPRESSION	1				L	44.00	SqFt	Comments:

FDOT

Report Generated Date: April 12, 2015

Network:	MTH	Name: THE	FLORIDA KEYS M	IARATHON AIRPO	ORT			
Branch:	TW D	Name: TAX	IWAY D		Use: TAXIWAY	Area:	16,758.00SqFt	
Section: Surface:	305 AAC		From: - DOT-SAPMP-GA-T	W-AAC	То: -	Zone:	Last Const.: Category:	01/01/1983 Rank: P
Area: Shoulder:	9,290.00SqFt Street Ty	Length	: 110.00Ft Grade: 0.00	Widt Lanes: 0	ch: 110.00Ft			

Section Comments:

Last Insp. Date: 03/24/2015 Total Samples: 2 Surveyed: 1

Conditions: PCI: 63 Inspection Comments:

Sample Number: 301 Type: R Sample Comments:	Area:	5,453.00SqFt	PCI = 63
48 LONGITUDINAL/TRANSVERSE CRACKING	L	276.00 Ft	Comments:
45 DEPRESSION	L	36.00 SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	210.00 Ft	Comments:
52 RAVELING	L	545.00 SqFt	Comments:
57 WEATHERING	L	4,908.00 SqFt	Comments:
45 DEPRESSION	L	16.00 SqFt	Comments:
45 DEPRESSION	L	32.00 SqFt	Comments:

FDOT

Report Generated Date: April 12, 2015

Street Type:

		1					
Network:	MTH	Name: THE FLORIDA KEYS MARATHON	N AIRPORT				_
Branch:	TW D	Name: TAXIWAY D		Use: TAXIWAY	Area:	16,758.00SqFt	
Section: Surface:	310 AAC	of 2 From: - Family: FDOT-SAPMP-GA-TW-AAC		То: -	Zone:	Last Const.: (Category:	01/01/1998 Rank: P
Area	7 468 00SaFt	Length: 60.00Ft	Width:	110 00Ft			

Section Comments:

Shoulder:

Last Insp. Date: 03/24/2015 Total Samples: 1 Surveyed: 1

Grade: 0.00

Conditions: PCI: 83 Inspection Comments:

Sample Number: 300 Type: R	Area:	7,468.00SqFt	PCI = 83	
Sample Comments:				
48 LONGITUDINAL/TRANSVERSE CRACKING	$_{ m L}$	81.00 Ft	c Comments:	
52 RAVELING	L	373.00 Sc	qFt Comments:	
57 WEATHERING	T,	7.095.00 Sc	rFt Comments:	

Lanes: 0

FDOT

52 RAVELING

57 WEATHERING

Report Generated Date: April 12, 2015

48 LONGITUDINAL/TRANSVERSE CRACKING

MTH	Name: TI	HE FLORID	A KEYS MA	ARATHON	AIRPORT				
TW E	Name: TA	AXIWAY E				Use: TAXIWAY	Area:	54,170.00SqFt	
152	of 3	From: -				То: -		Last Const.:	01/01/1998
AAC	Family:	FDOT-SA	PMP-GA-TV	V-AAC			Zone:	Category:	Rank: P
5,537.00SqFt	Leng	gth:	50.00Ft		Width:	100.00Ft			
Street Ty	ype:	Grade:	0.00	Lanes:	0				
pate: 03/24/20 PCI: 80 pomments:	15 Total Sam	nples: 1	Surv	veyed: 1					
n	152 AAC 5,537.00SqFt Street T ments: rate: 03/24/20 PCI: 80	152 of 3 AAC Family: 5,537.00SqFt Leng Street Type: ments: rate: 03/24/2015 Total Sam PCI: 80	152 of 3 From: - AAC Family: FDOT-SAI 5,537.00SqFt Length: Street Type: Grade: ments: ate: 03/24/2015 Total Samples: 1 PCI: 80	152 of 3 From: - AAC Family: FDOT-SAPMP-GA-TV 5,537.00SqFt Length: 50.00Ft Street Type: Grade: 0.00 ments: Pate: 03/24/2015 Total Samples: 1 Surv PCI: 80	152 of 3 From: - AAC Family: FDOT-SAPMP-GA-TW-AAC 5,537.00SqFt Length: 50.00Ft Street Type: Grade: 0.00 Lanes: nents: ate: 03/24/2015 Total Samples: 1 Surveyed: 1 PCI: 80	152 of 3 From: - AAC Family: FDOT-SAPMP-GA-TW-AAC 5,537.00SqFt Length: 50.00Ft Width: Street Type: Grade: 0.00 Lanes: 0 ments: ate: 03/24/2015 Total Samples: 1 Surveyed: 1 PCI: 80	152 of 3 From: - To: - AAC Family: FDOT-SAPMP-GA-TW-AAC 5,537.00SqFt Length: 50.00Ft Width: 100.00Ft Street Type: Grade: 0.00 Lanes: 0 ments: ate: 03/24/2015 Total Samples: 1 Surveyed: 1 PCI: 80	152 of 3 From: - To: - AAC Family: FDOT-SAPMP-GA-TW-AAC Zone: 5,537.00SqFt Length: 50.00Ft Width: 100.00Ft Street Type: Grade: 0.00 Lanes: 0 ments: ate: 03/24/2015 Total Samples: 1 Surveyed: 1 PCI: 80	152 of 3 From: - To: - Last Const.: AAC Family: FDOT-SAPMP-GA-TW-AAC Zone: Category: 5,537.00SqFt Length: 50.00Ft Width: 100.00Ft Street Type: Grade: 0.00 Lanes: 0 ments: ate: 03/24/2015 Total Samples: 1 Surveyed: 1 PCI: 80

L

L

L

57.00 Ft

4,983.00 SqFt

554.00 SqFt

Comments:

Comments:

Comments:

FDOT

Inspection Comments:

Network:	MTH	Name: THE	FLORIDA KEYS M	ARATHON AIRPOR	Γ			
Branch:	TW E	Name: TAX	IWAY E		Use: TAXIWAY	Area:	54,170.00SqFt	
Section: Surface:	155 AAC		From: - DOT-SAPMP-GA-T	W-AAC	То: -	Zone:	Last Const.: Category:	01/01/1998 Rank: P
Area: Shoulder:	5,103.00SqFt Street Ty	Length	: 50.00Ft Grade: 0.00	Width: Lanes: 0	100.00Ft			
Section Com	nments:							

Sample Number: 301 Type: R	Area:	5,103.00SqFt		PCI = 70
Sample Comments:				
43 BLOCK CRACKING	L	46.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	146.00	Ft	Comments:
45 DEPRESSION	L	20.00	SqFt	Comments:
52 RAVELING	L	510.00	SqFt	Comments:
57 WEATHERING	L	4,593.00	SqFt	Comments:
45 DEPRESSION	L	48.00	SqFt	Comments:

FDOT

Network AFRA NEW N. THE ELOND A KENG M.	AD ATHON ATES	ODE			
Network: MTH Name: THE FLORIDA KEYS M	ARATHON AIRP	ORT			
Branch: TW E Name: TAXIWAY E		Use: TAXIWAY	Area:	54,170.00SqFt	
Section: 405 of 3 From: -		То: -		Last Const.:	12/25/1999
Surface: AC Family: FDOT-SAPMP-GA-T	W-AC		Zone:	Category:	Rank: P
Area: 43,530.00SqFt Length: 1,640.00Ft	Wid	lth: 25.00Ft			
Shoulder: Street Type: Grade: 0.00	Lanes: 0				
Section Comments					
Section Comments:					
Last Insp. Date: 03/24/2015 Total Samples: 9 Sur	veyed: 2				
Last Insp. Date: 03/24/2015 Total Samples: 9 Sur Conditions: PCI: 82	rveyed: 2				
	rveyed: 2				
Conditions: PCI : 82 Inspection Comments:	veyed: 2 Area:	5,000.00SqFt	PCI = 82		
Conditions: PCI: 82 Inspection Comments:		5,000.00SqFt	PCI = 82		
Conditions: PCI: 82 Inspection Comments: Sample Number: 302 Type: R		9.00 Ft	PCI = 82	:	
Conditions: PCI: 82 Inspection Comments: Sample Number: 302 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 52 RAVELING	Area: L L	9.00 Ft 500.00 SqFt	Comments Comments	:	
Conditions: PCI: 82 Inspection Comments: Sample Number: 302 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING	Area:	9.00 Ft	Comments	:	
Conditions: PCI: 82 Inspection Comments: Sample Number: 302 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 52 RAVELING	Area: L L	9.00 Ft 500.00 SqFt	Comments Comments	:	
Conditions: PCI: 82 Inspection Comments: Sample Number: 302 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 52 RAVELING 57 WEATHERING Sample Number: 308 Type: R Sample Comments:	Area: L L L	9.00 Ft 500.00 SqFt 4,500.00 SqFt 5,000.00SqFt	Comments Comments	:	
Conditions: PCI: 82 Inspection Comments: Sample Number: 302 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 52 RAVELING 57 WEATHERING Sample Number: 308 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING	Area: L L L	9.00 Ft 500.00 SqFt 4,500.00 SqFt 5,000.00SqFt 33.00 Ft	Comments Comments	:	
Conditions: PCI: 82 Inspection Comments: Sample Number: 302 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 52 RAVELING 57 WEATHERING Sample Number: 308 Type: R Sample Comments:	Area: L L L Area:	9.00 Ft 500.00 SqFt 4,500.00 SqFt 5,000.00SqFt	Comments Comments PCI = 81	:	



FLORIDA DEPARTMENT OF TRANSPORTATION AVIATION AND SPACEPORT OFFICE

