FLORIDA DEPARTMENT OF TRANSPORTATION AVIATION AND SPACEPORTS OFFICE

Statewide Airfield Pavement Management Program

Airport Pavement Evaluation Report September 2017



Avon Park Executive Airport (AVO) General Aviation Airport District 1









Florida Department of Transportation

Statewide Airfield Pavement Management Program

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OFFICE OF FREIGHT, LOGISTICS & PASSENGER OPERATIONS



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Executive Summary

Avon Park Executive Airport (AVO)

FDOT

Executive Summary

Program Background

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

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

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

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

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

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

Summary of Results

Pavement Condition Index (Latest Inspection)

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

Network ID	Branch Name	Branch Use	Section ID	Area (SF)	PCI	Condition Rating	
AVO	RUNWAY 5-23	RUNWAY	6102	108,750	54	Poor	
AVO	RUNWAY 5-23	RUNWAY	6104	134,350	76	Satisfactory	
AVO	RUNWAY 5-23	RUNWAY	6105	215,625	75	Satisfactory	
AVO	RUNWAY 5-23	RUNWAY	6110	78,675	77	Satisfactory	
AVO	RUNWAY 10-28	RUNWAY	6205	220,324	76	Satisfactory	
AVO	RUNWAY 10-28	RUNWAY	6210	18,827	70	Fair	
AVO	RUNWAY 10-28	RUNWAY	6215	37,125	71	Satisfactory	
AVO	RUNWAY 10-28	RUNWAY	6220	2,625	64	Fair	
AVO	TAXIWAY A	TAXIWAY	105	32,506	53	Poor	
AVO	TAXIWAY A	TAXIWAY	110	15,090	62	Fair	
AVO	TAXIWAY A	TAXIWAY	115	7,000	47	Poor	
AVO	TAXIWAY A	TAXIWAY	120	22,435	57	Fair	
AVO	TAXIWAY A	TAXIWAY	130	15,033	80	Satisfactory	
AVO	TAXIWAY A	TAXIWAY	135	32,265	64	Fair	
AVO	TAXIWAY B	TAXIWAY	TAXIWAY 202 6		76	Satisfactory	
AVO	TAXIWAY B	TAXIWAY 205		3,838	48	Poor	
AVO	TAXIWAY C	TAXIWAY 305		10,629	63	Fair	
AVO	TAXIWAY D	TAXIWAY	415	9,159 56		Fair	
AVO	TAXIWAY E	TAXIWAY 502 61,155		68	Fair		
AVO	TAXIWAY E	TAXIWAY	505	120,156	67	Fair	
AVO	TAXIWAY F	TAXIWAY	405	19,279	40	Very Poor	
AVO	TAXIWAY F	TAXIWAY	407	3,055	61	Fair	
AVO	TAXIWAY H	TAXIWAY	605	28,704	60	Fair	
AVO	APRON T-HANG	TAXILANE	4605	33,849	64	Fair	
AVO	NORTHWEST APRON	APRON	4105	40,108	47	Poor	
AVO	NE APRON	APRON	4205	3,000	35	Very Poor	
AVO	NE APRON	APRON	4210	11,566	50	Poor	
AVO	NE APRON	APRON	4215	60,357	60,357 83 Satisfactory		
AVO	SOUTH APRON	APRON	4305	57,173	30	Very Poor	
AVO	SE APRON	APRON	4405	71,243	48	Poor	
AVO	EAST APRON	APRON	4505	8,514	59	Fair	



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Forecasted Pavement Condition Index 2018-2027

Table E-2 Pavement Condition Index Forecast 2018-2027

Network ID	Dronak ID	Continu ID		Forecasted PCI									
Network ID	Branch ID	Section ID	Last PCI	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
AVO	AP E	4505	59	57	56	54	53	51	49	48	46	45	43
AVO	AP NE	4205	35	33	32	30	29	27	25	24	22	21	19
AVO	AP NE	4210	50	48	47	45	44	42	40	39	37	36	34
AVO	AP NE	4215	83	81	80	78	77	75	73	72	70	69	67
AVO	AP NW	4105	47	45	44	42	41	39	37	36	34	33	31
AVO	AP S	4305	30	28	27	25	24	22	20	19	17	16	14
AVO	AP SE	4405	48	46	45	43	42	40	38	37	35	34	32
AVO	AP T-HANG	4605	64	63	62	61	60	59	58	57	55	54	53
AVO	RW 10-28	6205	76	74	71	69	67	66	64	63	62	61	61
AVO	RW 10-28	6210	70	68	67	65	63	62	60	59	57	55	54
AVO	RW 10-28	6215	71	69	67	65	64	63	62	61	61	60	60
AVO	RW 10-28	6220	64	63	62	61	61	60	60	60	60	60	60
AVO	RW 5-23	6102	54	52	51	49	47	46	44	43	41	39	38
AVO	RW 5-23	6104	76	74	73	71	69	68	66	65	63	61	60
AVO	RW 5-23	6105	75	73	72	70	68	67	65	64	62	60	59
AVO	RW 5-23	6110	77	75	74	72	70	69	67	66	64	62	61
AVO	TW A	105	53	51	50	48	47	45	43	42	40	39	37
AVO	TW A	110	62	61	60	59	58	56	55	54	52	51	49
AVO	TW A	115	47	45	44	42	40	39	38	36	35	34	33
AVO	TW A	120	57	56	54	53	51	50	48	47	45	43	42
AVO	TW A	130	80	78	76	74	73	71	70	69	68	67	66
AVO	TW A	135	64	63	62	61	60	59	58	57	55	54	53
AVO	TW B	202	76	74	73	71	70	69	68	67	66	65	64
AVO	TW B	205	48	47	46	45	44	44	43	43	43	43	43
AVO	TW C	305	63	62	61	60	59	58	57	55	54	52	51
AVO	TW D	415	56	54	53	52	50	48	47	45	44	42	40
AVO	TW E	502	68	67	66	65	64	63	63	62	61	60	59
AVO	TW E	505	67	66	65	64	63	62	62	61	60	59	57
AVO	TW F	405	40	37	33	28	25	21	17	13	9	6	2
AVO	TW F	407	61	59	58	56	54	53	51	49	48	47	46
AVO	TW H	605	60	59	58	56	55	54	52	51	49	47	46

2017

Avon Park Executive Airport (AVO)



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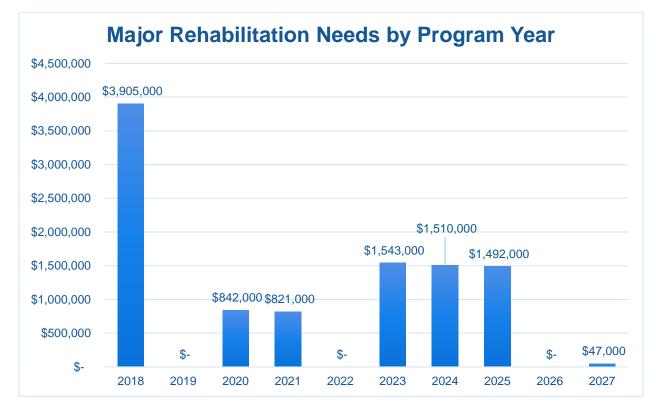
Major Rehabilitation Planning 2018-2027

Table E-3 Major Rehabilitation Planning 2018-2027

Program Year	Network ID	Branch ID	Section ID	Surface	Area (SF)	PCI Before	Rehabilitation Type	Planning Cost
2018	AVO	AP E	4505	AC	8,514	57	AC Restoration	\$ 60,000.00
2018	AVO	AP NE	4205	AC	3,000	33	AC Reconstruction	\$ 28,000.00
2018	AVO	AP NE	4210	AC	11,566	48	AC Restoration	\$ 84,000.00
2018	AVO	AP NW	4105	AC	40,108	45	AC Restoration	\$ 315,000.00
2018	AVO	AP S	4305	AC	57,173	28	AC Reconstruction	\$ 515,000.00
2018	AVO	AP SE	4405	AC	71,243	46	AC Restoration	\$ 545,000.00
2018	AVO	AP T-HANG	4605	AC	33,849	63	AC Restoration	\$ 237,000.00
2018	AVO	RW 10-28	6220	AAC	2,625	63	AC Restoration	\$ 19,000.00
2018	AVO	RW 5-23	6102	AC	108,750	52	AC Restoration	\$ 762,000.00
2018	AVO	TW A	105	AC	32,506	51	AC Restoration	\$ 228,000.00
2018	AVO	TW A	110	AC	15,090	61	AC Restoration	\$ 106,000.00
2018	AVO	TW A	115	AC	7,000	45	AC Restoration	\$ 55,000.00
2018	AVO	TW A	120	AC	22,435	56	AC Restoration	\$ 158,000.00
2018	AVO	TW A	135	AC	32,265	63	AC Restoration	\$ 226,000.00
2018	AVO	TW B	205	AAC	3,838	47	AC Restoration	\$ 30,000.00
2018	AVO	TW C	305	AC	10,629	62	AC Restoration	\$ 75,000.00
2018	AVO	TW D	415	AC	9,159	54	AC Restoration	\$ 65,000.00
2018	AVO	TW F	405	AAC	19,279	37	AC Reconstruction	\$ 174,000.00
2018	AVO	TW F	407	AAC	3,055	59	AC Restoration	\$ 22,000.00
2018	AVO	TW H	605	AC	28,704	59	AC Restoration	\$ 201,000.00
2020	AVO	TW E	505	AC	120,156	64	AC Restoration	\$ 842,000.00
2021	AVO	RW 10-28	6210	AC	18,827	63	AC Restoration	\$ 132,000.00
2021	AVO	RW 10-28	6215	AAC	37,125	64	AC Restoration	\$ 260,000.00
2021	AVO	TW E	502	AC	61,155	64	AC Restoration	\$ 429,000.00
2023	AVO	RW 10-28	6205	AAC	220,324	64	AC Restoration	\$ 1,543,000.00
2024	AVO	RW 5-23	6105	AC	215,625	64	AC Restoration	\$ 1,510,000.00
2025	AVO	RW 5-23	6104	AC	134,350	63	AC Restoration	\$ 941,000.00
2025	AVO	RW 5-23	6110	AC	78,675	64	AC Restoration	\$ 551,000.00
2027	AVO	TW B	202	AC	6,624	64	AC Restoration	\$ 47,000.00

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





Summary of Avon Park Executive Airport

Avon Park Executive Airport was inspected in April 2017 – the overall weighted PCI value was 66, a condition rating of Fair. The results of the maintenance, repair, and major rehabilitation analysis identified \$628,660 in localized M&R needs based on current conditions and a 10-Year major rehabilitation need of \$10,160,000 based on forecasted conditions. The current major rehabilitation needs based on the latest inspection consist of \$3,905,000 for pavements below critical condition.

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



Chapter 1

Chapter 1 – Introduction

1.1 Background

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

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

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

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

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

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



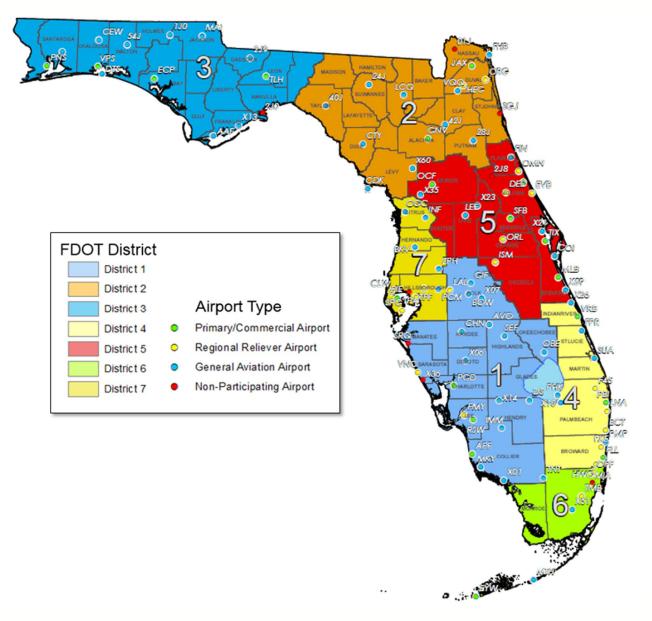


Figure 1.2 Florida Aviation System (Facilities with Pavement) and FDOT Districts

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

1.3 Organization

1.3.1 Florida Department of Transportation Aviation and Spaceports Office Program Manager

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

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

1.3.2 Participating Florida Public-Use and Publicly Owned Airports

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

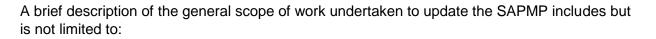
1.3.3 Florida Department of Transportation District Offices

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

1.3.4 Consultant

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

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



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



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

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

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

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

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

1.5 History of the Program

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

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

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

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

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

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



1.6 Federal Aviation Administration (FAA)

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

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

1.7 FDOT SAPMP Objectives and Components

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

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

1.7.1 Program Objectives

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

The objectives are accomplished by the following components:

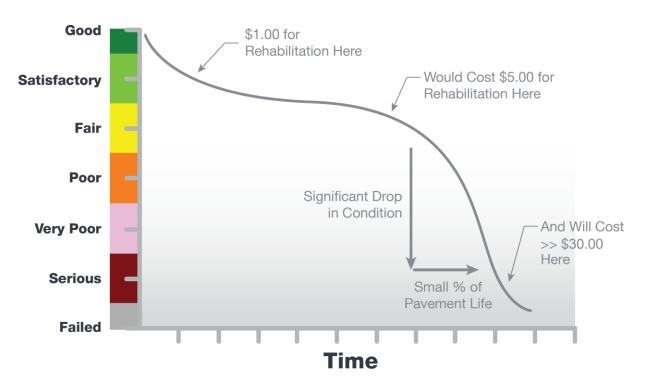
1.7.2 Program Components

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



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

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



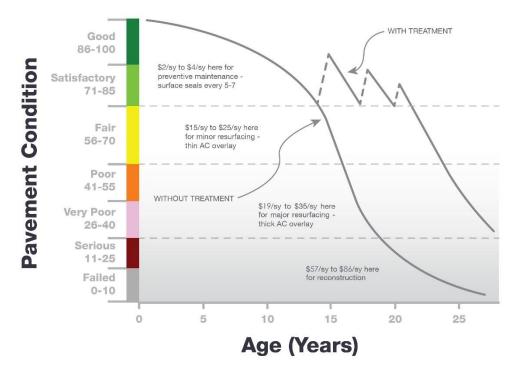


*Figure is for conceptual purposes only – unit costs are not specific to airfield pavements (AC vs PCC).

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

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





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

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

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

Figure 1.7-3 Flexible Asphalt Concrete



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



1.8 References

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

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



Chapter 2



Chapter 2 – Methodology

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

2.1 Airfield Pavement Database

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

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

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

2.2 Airfield Pavement System Inventory

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

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

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

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

2.2.1 Pavement Management Program Network Definition Terminology

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

Pavement Network

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

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

Pavement Branch

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

Pavement Section

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

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

Pavement Sample Unit

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

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

Table 2.2.1 Airfield Pavement Database Network Definition Terminology



2.3 Airfield Pavement Structure

2.3.1 Pavement Structure Types

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

Flexible Asphalt Concrete Surface

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

Asphalt Concrete (AC)

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

Asphalt Concrete Overlaid on Asphalt Concrete (AAC)

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

Asphalt Concrete Overlaid on Portland Cement Concrete (APC)

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



Rigid Portland Cement Concrete Surface

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

Portland Cement Concrete (PCC)

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

Composite Structure – Whitetopping Pavement

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

Conventional Whitetopping (WHT)

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

Thin Whitetopping (TWT)

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

Ultra-Thin Whitetopping (UTW)

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

2.4 Airfield Pavement Work History

2.4.1 Airfield Pavement Record Keeping

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

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

2.5 Airfield Pavement Traffic

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

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

2.6 Airfield Pavement Condition Index (PCI) Survey

2.6.1 PCI Survey Methodology

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

A visual pavement condition survey provides an indication of the cause and rate of deterioration of a pavement section from a functional point of view and can be an indicator of structural distress. The functional condition analysis assesses the rating of the operational surface. A visual PCI Survey Inspection does not predict the remaining structural life of a pavement section, or its ability to support loads. The functional condition determined by the PCI method n Report 2017

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

2.6.2 Pavement Distress Types

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

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

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



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

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

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



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Table 2.6.2-2 (a) Pavement Distresses – Rigid Portland Cement Concrete-Surfaced Airfields

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

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

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

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

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



2.6.3 PCI Survey Inspection Procedures

Inspection Sampling Rate

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

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

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

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

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



2.6.4 Updates to the ASTM D5340-12

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

Flexible Asphalt Concrete Pavement Distress Updates

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

Rigid Portland Cement Concrete Pavement Distress Updates

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



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Table 2.6. 4	Summary	of Updates	to ASTM	D5340-12
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Distress	Distress Updates to Reflect ASTM 5340-12						
Use and Surface Type	Updated Distress	Former Distress in Prior to 5340-10	Deduction Curve	Potential Effect			
AC/AAC/ APC Airfield	(52) Raveling - Low	(52) Weathering and Raveling - Low	No Change	N/A			
	(52) Raveling - Medium	(52) Weathering and Raveling - Medium	No Change	N/A			
	(52) Raveling - High	(52) Weathering and Raveling - High	No Change	N/A			
	(57) Weathering - Low	N/A – was part of 'Weathering and Raveling'	New	Increase in PCI with no maintenance			
	(57) Weathering - Medium	N/A – was part of 'Weathering and Raveling'	New	Increase in PCI with no maintenance			
	(57) Weathering - High	N/A – was part of 'Weathering and Raveling'	New	Increase in PCI with no maintenance			
PCC Airfield	(70) Scaling - Low	(70) Scaling, Map Cracking, and Crazing - Low	New	Increase in PCI with no maintenance			
	(70) Scaling - Medium	(70) Scaling, Map Cracking, and Crazing - Medium	New	Increase in PCI with no maintenance			
	(70) Scaling - High	(70) Scaling, Map Cracking, and Crazing - High	New	Increase in PCI with no maintenance			
	(76) Alkali Silica Reaction – Low	N/A – was part of 'Scaling, Map Cracking, and Crazing'	New	Increase in PCI with no maintenance			
	(76) Alkali Silica Reaction – Medium	N/A – was part of 'Scaling, Map Cracking, and Crazing'	New	Increase in PCI with no maintenance			
	(76) Alkali Silica Reaction – High	N/A – was part of 'Scaling, Map Cracking, and Crazing'	New	Increase in PCI with no maintenance			
	(73) Shrinkage Cracking	(73) Shrinkage Cracking	No Change	Prior distress types identified as 'Scaling, Map Cracking, and Crazing' may now be identified as 'Shrinkage Cracking'			

Statewide Airfield Pavement Management Program



Chapter 3



Chapter 3 – Airfield Pavement System Inventory

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

3.1 Airfield Pavement Network Information

3.1.1 Previous and/or Anticipated Airfield Pavement Construction

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

 Table 3.1.1 Previous and/or Anticipated Airfield Pavement Construction

General Work Description Year NO INFORMATION PROVIDED

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



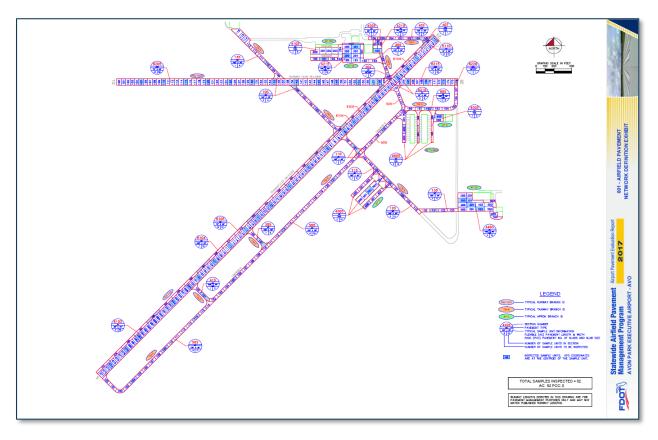


Figure 3.1.1-1 2017 Airfield Pavement Network Definition Exhibit

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

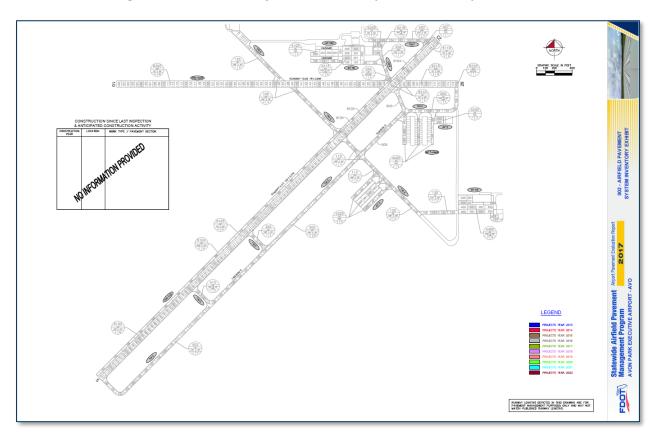


Figure 3.1.1-2 2017 Airfield Pavement System Inventory Exhibit

Avon Park

Executive Airport (AVO)

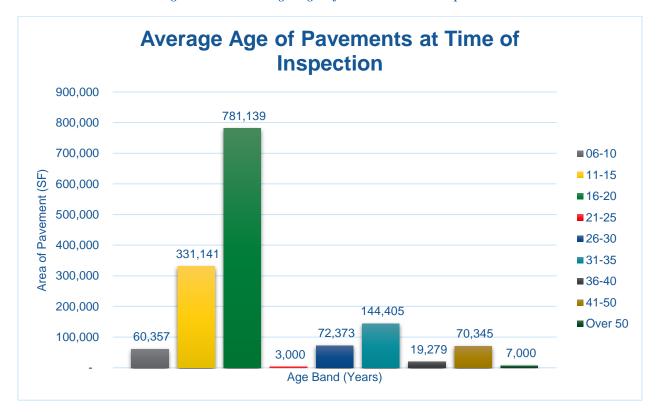
The Airfield Pavement System Inventory Exhibit provides details to the work history updates communicated by the Airport. The Exhibit provides the approximate limits of recent and/or anticipated construction on the airfield pavement facilities. The limits are based on documentation provided by the Airport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

3.1.2 Estimated Pavement Age

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







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

3.1.3 Functional Use Classification

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

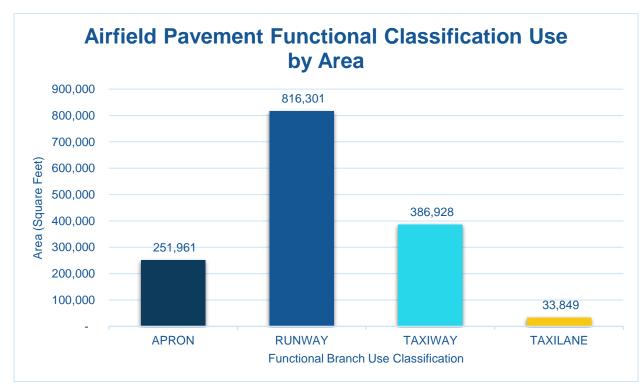


Figure 3.1.3 Airfield Pavement Functional Classification Use by Area

3.1.4 Pavement Surface Type

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

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

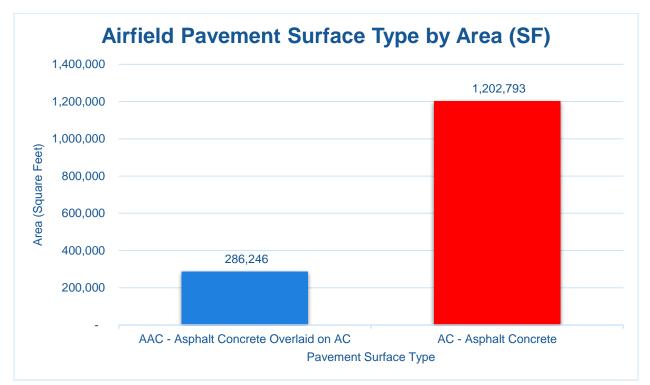
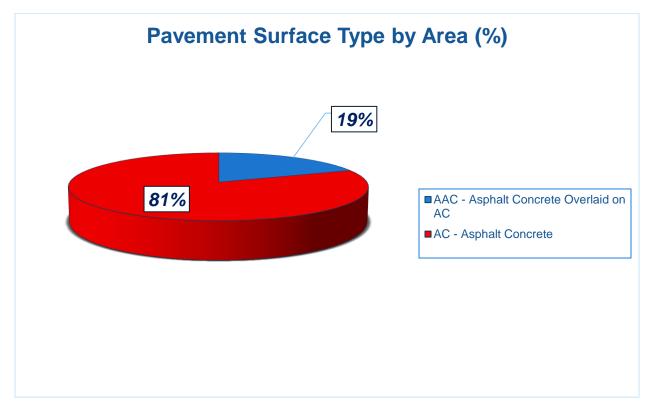


Figure 3.1.4 (a) Pavement Surface Type by Area (SF)



Figure 3.1.4 (b) Pavement Surface Type by Area (%)



3.1.5 Pavement System Inventory Details

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

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

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Table	3.1.5	Pavement	System	Inventory	Details
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Network ID	Branch Name	Branch ID	Branch Use	Section ID	Length (FT)	Width (FT)	Area (SF)	Surface Type	Est. Last Construction Date
AVO	EAST APRON	AP E	APRON	4505	115	80	8,514	AC	1/1/2003
AVO	NE APRON	AP NE	APRON	4205	60	50	3,000	AC	1/1/1992
AVO	NE APRON	AP NE	APRON	4210	100	95	11,566	AC	1/1/1969
AVO	NE APRON	AP NE	APRON	4215	300	200	60,357	AC	1/1/2007
AVO	NORTHWEST APRON	AP NW	APRON	4105	450	85	40,108	AC	1/1/1990
AVO	SOUTH APRON	AP S	APRON	4305	350	160	57,173	AC	1/1/2000
AVO	SE APRON	AP SE	APRON	4405	375	175	71,243	AC	1/1/2000
AVO	APRON T-HANG	AP T-HANG	TAXILANE	4605	370	80	33,849	AC	1/1/2003
AVO	RUNWAY 10-28	RW 10-28	RUNWAY	6205	2900	75	220,324	AAC	12/1/2006
AVO	RUNWAY 10-28	RW 10-28	RUNWAY	6210	250	75	18,827	AC	1/1/2001
AVO	RUNWAY 10-28	RW 10-28	RUNWAY	6215	495	75	37,125	AAC	12/1/2006
AVO	RUNWAY 10-28	RW 10-28	RUNWAY	6220	34	75	2,625	AAC	12/1/2006
AVO	RUNWAY 5-23	RW 5-23	RUNWAY	6102	1450	75	108,750	AC	1/1/2001
AVO	RUNWAY 5-23	RW 5-23	RUNWAY	6104	4920	25	134,350	AC	1/1/2001
AVO	RUNWAY 5-23	RW 5-23	RUNWAY	6105	2875	75	215,625	AC	1/1/2001
AVO	RUNWAY 5-23	RW 5-23	RUNWAY	6110	1050	75	78,675	AC	1/1/2001
AVO	TAXIWAY A	TW A	TAXIWAY	105	740	35	32,506	AC	1/1/1975
AVO	TAXIWAY A	TW A	TAXIWAY	110	340	35	15,090	AC	1/1/1985
AVO	TAXIWAY A	TW A	TAXIWAY	115	200	35	7,000	AC	1/1/1960
AVO	TAXIWAY A	TW A	TAXIWAY	120	640	35	22,435	AC	1/1/1969
AVO	TAXIWAY A	TW A	TAXIWAY	130	410	35	15,033	AC	1/1/2000
AVO	TAXIWAY A	TW A	TAXIWAY	135	700	35	32,265	AC	1/1/1990
AVO	TAXIWAY B	TW B	TAXIWAY	202	60	75	6,624	AC	1/1/2001
AVO	TAXIWAY B	TW B	TAXIWAY	205	125	30	3,838	AAC	1/1/1969
AVO	TAXIWAY C	TW C	TAXIWAY	305	250	35	10,629	AC	1/1/1997

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Network ID	Branch Name	Branch ID	Branch Use	Section ID	Length (FT)	Width (FT)	Area (SF)	Surface Type	Est. Last Construction Date
AVO	TAXIWAY D	TW D	TAXIWAY	415	230	34	9,159	AC	1/1/1985
AVO	TAXIWAY E	TW E	TAXIWAY	502	1720	35	61,155	AC	1/1/1997
AVO	TAXIWAY E	TW E	TAXIWAY	505	3350	35	120,156	AC	1/1/1985
AVO	TAXIWAY F	TW F	TAXIWAY	405	350	30	19,279	AAC	1/1/1980
AVO	TAXIWAY F	TW F	TAXIWAY	407	62	50	3,055	AAC	1/1/2001
AVO	TAXIWAY H	TW H	TAXIWAY	605	815	35	28,704	AC	1/1/2003

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Statewide Airfield Pavement Management Program



Chapter 4



Chapter 4 – Airfield Pavement Condition

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

4.1 Airfield Pavement Condition Index (Latest Inspection)

4.1.1 Network-Level Analysis

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

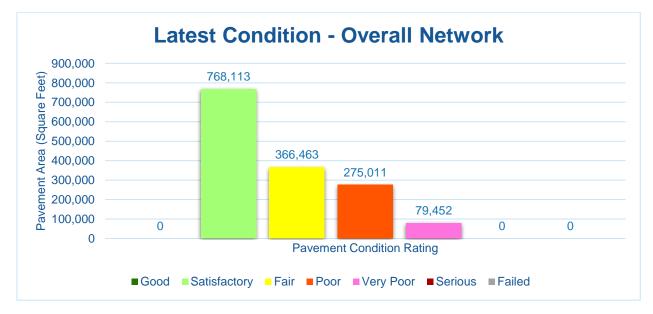


Figure 4.1.1 Latest Condition – Overall Network

4.1.2 Branch-Level Analysis

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



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Figure 4.1.2 (b) Latest Condition – Taxiway Pavements

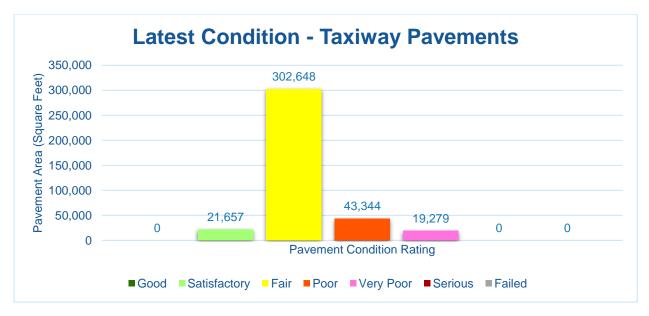




Figure 4.1.2 (c) Latest Condition – Apron Pavements





4.1.3 Section-Level Analysis

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

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

		 Exe

Network ID	Branch ID	Branch Name	Branch Use	Section ID	Area (SF)	Surface	PCI	PCI Rating	PCI Pct Climate	PCI Pct Load	PCI Pct Other	Sample Units Inspected	Total Sample Units in Section
AVO	AP E	EAST APRON	APRON	4505	8,514	AC	59	Fair	57%	0%	43%	1	2
AVO	AP NE	NE APRON	APRON	4205	3,000	AC	35	Very Poor	71%	0%	29%	1	1
AVO	AP NE	NE APRON	APRON	4210	11,566	AC	50	Poor	69%	26%	5%	1	3
AVO	AP NE	NE APRON	APRON	4215	60,357	AC	83	Satisfactory	53%	0%	47%	2	12
AVO	AP NW	NORTHWEST APRON	APRON	4105	40,108	AC	47	Poor	100%	0%	0%	1	9
AVO	AP S	SOUTH APRON	APRON	4305	57,173	AC	30	Very Poor	87%	6%	7%	2	13
AVO	AP SE	SE APRON	APRON	4405	71,243	AC	48	Poor	85%	0%	15%	3	15
AVO	AP T-HANG	APRON T-HANG	TAXILANE	4605	33,849	AC	64	Fair	54%	0%	46%	2	8
AVO	RW 10-28	RUNWAY 10-28	RUNWAY	6205	220,324	AAC	76	Satisfactory	97%	0%	3%	12	58
AVO	RW 10-28	RUNWAY 10-28	RUNWAY	6210	18,827	AC	70	Fair	96%	0%	4%	2	5
AVO	RW 10-28	RUNWAY 10-28	RUNWAY	6215	37,125	AAC	71	Satisfactory	100%	0%	0%	2	10
AVO	RW 10-28	RUNWAY 10-28	RUNWAY	6220	2,625	AAC	64	Fair	100%	0%	0%	1	1
AVO	RW 5-23	RUNWAY 5-23	RUNWAY	6102	108,750	AC	54	Poor	69%	0%	31%	5	29
AVO	RW 5-23	RUNWAY 5-23	RUNWAY	6104	134,350	AC	76	Satisfactory	83%	0%	17%	7	27
AVO	RW 5-23	RUNWAY 5-23	RUNWAY	6105	215,625	AC	75	Satisfactory	100%	0%	0%	12	57
AVO	RW 5-23	RUNWAY 5-23	RUNWAY	6110	78,675	AC	77	Satisfactory	96%	0%	4%	5	21
AVO	TW A	ΤΑΧΙΨΑΥ Α	TAXIWAY	105	32,506	AC	53	Poor	100%	0%	0%	2	8
AVO	TW A	ΤΑΧΙΨΑΥ Α	TAXIWAY	110	15,090	AC	62	Fair	97%	0%	3%	1	3
AVO	TW A	ΤΑΧΙΨΑΥ Α	TAXIWAY	115	7,000	AC	47	Poor	100%	0%	0%	1	2
AVO	TW A	ΤΑΧΙΨΑΥ Α	TAXIWAY	120	22,435	AC	57	Fair	100%	0%	0%	2	6
AVO	TW A	ΤΑΧΙΨΑΥ Α	TAXIWAY	130	15,033	AC	80	Satisfactory	100%	0%	0%	1	4
AVO	TW A	ΤΑΧΙΨΑΥ Α	TAXIWAY	135	32,265	AC	64	Fair	100%	0%	0%	1	8
AVO	TW B	TAXIWAY B	TAXIWAY	202	6,624	AC	76	Satisfactory	100%	0%	0%	1	2
AVO	TW B	TAXIWAY B	TAXIWAY	205	3,838	AAC	48	Poor	83%	0%	17%	1	1
AVO	TW C	TAXIWAY C	TAXIWAY	305	10,629	AC	63	Fair	77%	0%	23%	1	2
AVO	TW D	TAXIWAY D	TAXIWAY	415	9,159	AC	56	Fair	70%	0%	30%	1	2
AVO	TW E	TAXIWAY E	TAXIWAY	502	61,155	AC	68	Fair	73%	0%	27%	3	17
AVO	TW E	TAXIWAY E	TAXIWAY	505	120,156	AC	67	Fair	93%	0%	7%	4	34
AVO	TW F	TAXIWAY F	TAXIWAY	405	19,279	AAC	40	Very Poor	98%	0%	2%	2	6
AVO	TW F	TAXIWAY F	TAXIWAY	407	3,055	AAC	61	Fair	100%	0%	0%	1	1
AVO	TW H	TAXIWAY H	TAXIWAY	605	28,704	AC	60	Fair	70%	0%	30%	1	8

Table 4.1.3 Latest Pavement Condition Index Summary





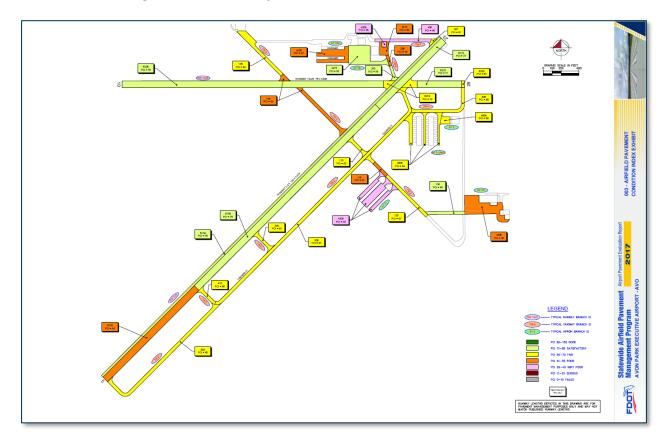
Figure 4.1.3 is an inset view of the 2017 Airfield Pavement Condition Index Exhibit that visually represents the results of the latest PCI Survey inspection. A large format exhibit is located in **Appendix C Technical Exhibits.**

Avon Park

Executive Airport (AVO)

FDOT

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4.2 Summary of Pavement Condition Evaluation Results

4.2.1 Network-Level Observations

The field PCI Survey performed at Avon Park Executive Airport (AVO) was started and completed on 04/03/2017. The resulting overall average area-weighted PCI value was 66 representing a condition rating of Fair. Avon Park Executive Airport is serviced by two runways: Runway 05-23 is 100-ft wide and 5,374-ft long, Runway 10-28 is 75-ft wide and 3,844-ft long.

Based on the FAA 5010 Report as of 07/25/2017 the Airport has reported 32,400 operations for 12 months ending 08/19/2016.

4.2.2 Branch-Level Observations

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

Runway 05-23

Runway 05-23 consists of 4 sections constructed of AC. The last construction year for Runway 05-23 was 2001. The average area-weighted PCI for Runway 05-23 is 71 representing a Satisfactory condition rating. The pavement distresses observed were related to Climate and Other distress classifications. Distresses observed in Runway 05-23 consist of Depression, Longitudinal & Transverse Cracking, Raveling, Swelling, and Weathering.

Runway 10-28

Runway 10-28 consists of 4 sections constructed of AC and AAC. The last construction years range from 2001 to 2006. The average area-weighted PCI for Runway 10-28 is 74 representing a Satisfactory condition rating. The pavement distresses observed were related to Climate and Other distress classifications. Distresses observed in Runway 10-28 consist of Block Cracking, Longitudinal & Transverse Cracking, Raveling, Swelling, and Weathering.

Taxiway A

Taxiway A consists of 6 sections constructed of AC. The last construction years range from 1960 to 2000. The average area-weighted PCI for Taxiway A is 60 representing a Fair condition rating. The pavement distresses observed were related to Climate and Other distress classifications. Distresses observed in Taxiway A consist of Block Cracking, Longitudinal & Transverse Cracking, Raveling, Swelling, and Weathering.

Northeast Apron

Northeast Apron consists of 3 sections constructed of AC. The last construction years range from 1969 to 2007. The average area-weighted PCI for Northeast Apron is 75 representing a Satisfactory condition rating. The pavement distresses observed were related to Climate, Load, and Other distress classifications. Distresses observed in Northeast Apron consist of Alligator Cracking, Block Cracking, Depression, Longitudinal & Transverse Cracking, Oil Spillage, Patching, Raveling, and Weathering.



South Apron

South Apron consists of 1 section constructed of AC. The last construction year for South Apron was 2000. The average area-weighted PCI for South Apron is 30 representing a Very Poor condition rating. The pavement distresses observed were related to Climate, Load, and Other distress classifications. Distresses observed in South Apron consist of Alligator Cracking, Block Cracking, Depression, Longitudinal & Transverse Cracking, and Raveling.

Figure 4.2.2 Pavement Condition Summary by Facility Use

Facility Use	Average Area-Weighted PCI	Condition Rating
Runway	72	Satisfactory
Taxiway	62	Fair
Apron	52	Poor
Taxilane	64	Fair

4.3 Forecasted Pavement Conditions

4.3.1 Performance Models and Prediction Curves

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

4.3.2 Branch-Level Pavement Condition Forecast

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

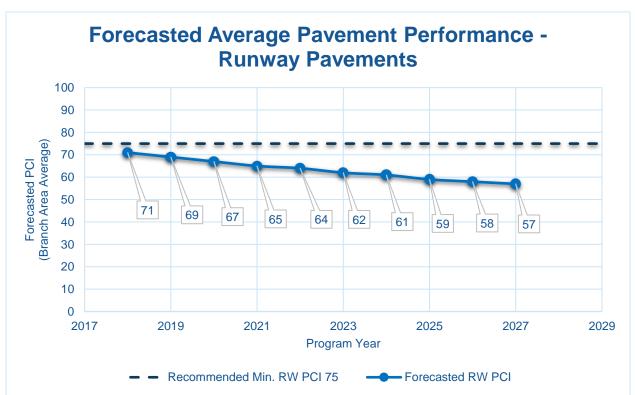


Figure 4.3.2 (a) Forecasted Runway Pavement Performance





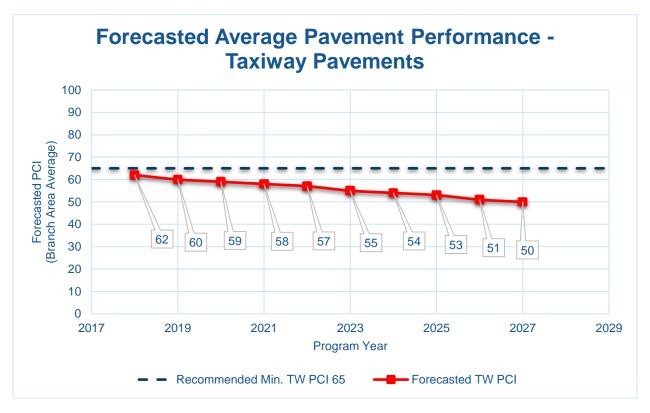
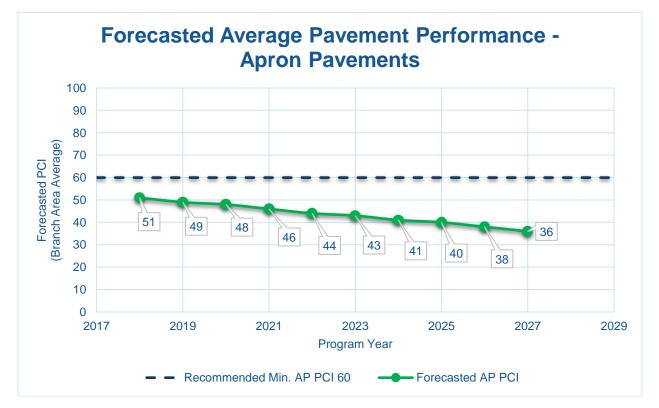


Figure 4.3.2 (c) Forecasted Apron Pavement Performance





4.3.3 Section-Level Pavement Condition Forecast

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

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Table 4.3.3 Forecasted PCI 2018-2027

Network ID	Dronok ID	Continu ID		Forecasted PCI									
Network ID	Branch ID	Section ID	Last PCI	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
AVO	AP E	4505	59	57	56	54	53	51	49	48	46	45	43
AVO	AP NE	4205	35	33	32	30	29	27	25	24	22	21	19
AVO	AP NE	4210	50	48	47	45	44	42	40	39	37	36	34
AVO	AP NE	4215	83	81	80	78	77	75	73	72	70	69	67
AVO	AP NW	4105	47	45	44	42	41	39	37	36	34	33	31
AVO	AP S	4305	30	28	27	25	24	22	20	19	17	16	14
AVO	AP SE	4405	48	46	45	43	42	40	38	37	35	34	32
AVO	AP T-HANG	4605	64	63	62	61	60	59	58	57	55	54	53
AVO	RW 10-28	6205	76	74	71	69	67	66	64	63	62	61	61
AVO	RW 10-28	6210	70	68	67	65	63	62	60	59	57	55	54
AVO	RW 10-28	6215	71	69	67	65	64	63	62	61	61	60	60
AVO	RW 10-28	6220	64	63	62	61	61	60	60	60	60	60	60
AVO	RW 5-23	6102	54	52	51	49	47	46	44	43	41	39	38
AVO	RW 5-23	6104	76	74	73	71	69	68	66	65	63	61	60
AVO	RW 5-23	6105	75	73	72	70	68	67	65	64	62	60	59
AVO	RW 5-23	6110	77	75	74	72	70	69	67	66	64	62	61
AVO	TW A	105	53	51	50	48	47	45	43	42	40	39	37
AVO	TW A	110	62	61	60	59	58	56	55	54	52	51	49
AVO	TW A	115	47	45	44	42	40	39	38	36	35	34	33
AVO	TW A	120	57	56	54	53	51	50	48	47	45	43	42
AVO	TW A	130	80	78	76	74	73	71	70	69	68	67	66
AVO	TW A	135	64	63	62	61	60	59	58	57	55	54	53
AVO	TW B	202	76	74	73	71	70	69	68	67	66	65	64
AVO	TW B	205	48	47	46	45	44	44	43	43	43	43	43
AVO	TW C	305	63	62	61	60	59	58	57	55	54	52	51

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Natural	Brench ID	Castian ID		Forecasted PCI									
Network ID Branch ID	Section ID	Last PCI	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	
AVO	TW D	415	56	54	53	52	50	48	47	45	44	42	40
AVO	TW E	502	68	67	66	65	64	63	63	62	61	60	59
AVO	TW E	505	67	66	65	64	63	62	62	61	60	59	57
AVO	TW F	405	40	37	33	28	25	21	17	13	9	6	2
AVO	TW F	407	61	59	58	56	54	53	51	49	48	47	46
AVO	TW H	605	60	59	58	56	55	54	52	51	49	47	46

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4.3.4 Forecasted PCI Considerations

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

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Chapter 5

Chapter 5 – Localized Maintenance and Repair Planning

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

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

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

5.1 Localized Maintenance and Repair

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

Localized Stopgap/Safety Maintenance and Repair

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

Localized Preventive Maintenance and Repair

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



5.2 Localized Maintenance and Repair Policy

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

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

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

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

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

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

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

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





Table 5.2-3 (a) Localized Repair Planning-Level Unit Costs – Flexible Asphalt Concrete

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

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

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

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



5.3 Localized Maintenance and Repair Analysis and Recommendations

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

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

Work Description	Work Category	Rough Estimate of Work Quantity	Work Units	Pla	anning Material Cost
FDOT - SURFACE SEAL	PREVENTIVE	137,995	SqFt	\$	75,900.00
FDOT - PATCHING - AC PARTIAL DEPTH	PREVENTIVE	20,230	SqFt	\$	60,680.00
FDOT - PATCHING - AC FULL DEPTH	PREVENTIVE	2,025	SqFt	\$	12,150.00
FDOT - CRACK SEALING - AC	PREVENTIVE	1,190	Ft	\$	3,570.00
FDOT - SURFACE SEAL	STOPGAP	365,520	SqFt	\$	201,040.00
FDOT - PATCHING - AC FULL DEPTH	STOPGAP	10,780	SqFt	\$	64,680.00
FDOT - CRACK SEALING - AC	STOPGAP	4,290	Ft	\$	12,870.00
FDOT - PATCHING - AC PARTIAL DEPTH	STOPGAP	65,925	SqFt	\$	197,770.00

Table 5.3-1 Summary of Airport Localized M&	R Planning Cost and	Quantity at Network Level
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The following **Table 5.3-2** provides further breakdown of the anticipated planning-level cost at the section level for the pavements exhibiting distresses that would benefit from Localized M&R. The table shows the approximate improved "End Condition" of the section after the application of Localized M&R. The following table depicts planning-level costs rounded to the nearest ten dollars.

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Network ID	Branch ID	Section ID	Area (SF)	Start Condition	End Condition	 Cost
AVO	AP E	4505	8,514	59	81	\$ 10,350.00
AVO	AP NE	4205	3,000	35	60	\$ 4,330.00
AVO	AP NE	4210	11,566	50	70	\$ 8,370.00
AVO	AP NE	4215	60,357	83	86	\$ 4,750.00
AVO	AP NW	4105	40,108	47	64	\$ 25,730.00
AVO	AP S	4305	57,173	30	49	\$ 177,040.00
AVO	AP SE	4405	71,243	48	59	\$ 52,250.00
AVO	AP T-HANG	4605	33,849	64	74	\$ 9,700.00
AVO	RW 10-28	6205	220,324	76	80	\$ 10,650.00
AVO	RW 10-28	6210	18,827	70	75	\$ 1,470.00
AVO	RW 10-28	6215	37,125	71	76	\$ 1,030.00
AVO	RW 10-28	6220	2,625	64	71	\$ 340.00
AVO	RW 5-23	6102	108,750	54	69	\$ 78,470.00
AVO	RW 5-23	6104	134,350	76	86	\$ 16,940.00
AVO	RW 5-23	6105	215,625	75	83	\$ 59,250.00
AVO	RW 5-23	6110	78,675	77	84	\$ 8,100.00
AVO	TW A	105	32,506	53	62	\$ 14,200.00
AVO	TW A	110	15,090	62	73	\$ 7,600.00
AVO	TW A	115	7,000	47	59	\$ 6,310.00
AVO	TW A	120	22,435	57	71	\$ 12,500.00
AVO	TW A	130	15,033	80	100	\$ 8,270.00
AVO	TW A	135	32,265	64	78	\$ 17,750.00
AVO	TW B	202	6,624	76	84	\$ 730.00
AVO	TW B	205	3,838	48	69	\$ 5,150.00
AVO	TW C	305	10,629	63	68	\$ 1,760.00
AVO	TW D	415	9,159	56	69	\$ 6,990.00
AVO	TW E	502	61,155	68	76	\$ 11,220.00
AVO	TW E	505	120,156	67	76	\$ 29,950.00
AVO	TW F	405	19,279	40	60	\$ 16,100.00
AVO	TW F	407	3,055	61	67	\$ 550.00
AVO	TW H	605	28,704	60	75	\$ 21,080.00

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

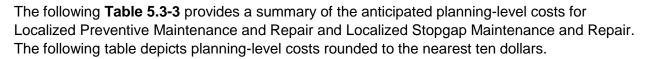


Table 5.3-3 Summary of Localized Maintenance

Work Category	Cost
Preventive	\$ 152,300.00
Stopgap	\$ 476,360.00
Planning-Level Localized M&R Needs =	\$ 628,660.00

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Chapter 6

Chapter 6 – Major Rehabilitation Planning

6.1 Major Rehabilitation

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

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

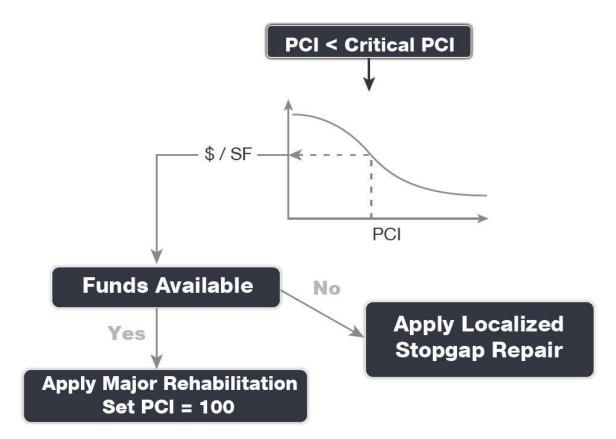
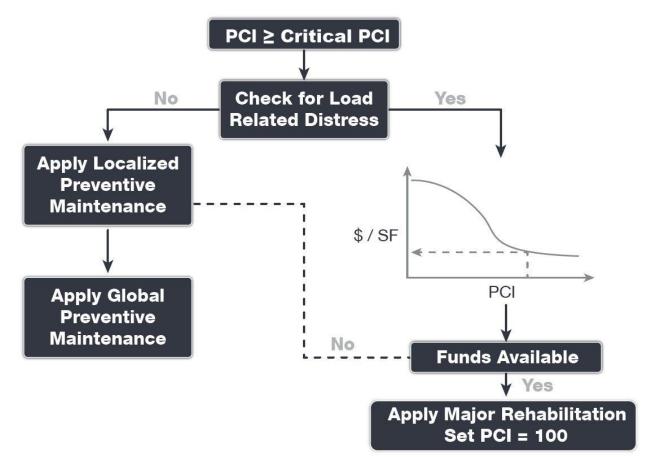


Figure 6.1-2 Major Rehabilitation Planning Decision Diagram, PCI > Critical PCI



6.1.1 Critical PCI

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

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

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

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

6.1.2 FDOT Recommended Minimum Service-Level PCI

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

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

Table 6.1.2 FDOT Recommended Minimum Service-Level PCI



6.2 Major Rehabilitation Policy

6.2.1 Major Rehabilitation Pavement Section Development

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

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

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

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





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

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

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

6.2.2 Major Rehabilitation Planning-Level Unit Costs

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

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

Table 6.2.2 General Aviation Major Reh	habilitation Planning-Level	Unit Cost by Pavement Type
--	-----------------------------	----------------------------

Rehabilitation Type PCI Range		Flexible Asphalt Concrete Cost Per SF		Rigid Portland Cement Concrete Cost per SF	
Restoration	41 to 65	\$	7.00	\$	10.00
Reconstruction	0 to 40	\$	9.00	\$	15.00

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

6.3 Major Rehabilitation Needs

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

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

6.3.1 10-Year Unconstrained Budget Major Rehabilitation Needs

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





Program Year	Network ID	Branch ID	Section ID	Surface	Area (SF)	PCI Before	Rehabilitation Type	Planning Cost
2018	AVO	AP E	4505	AC	8,514	57	AC Restoration	\$ 60,000.00
2018	AVO	AP NE	4205	AC	3,000	33	AC Reconstruction	\$ 28,000.00
2018	AVO	AP NE	4210	AC	11,566	48	AC Restoration	\$ 84,000.00
2018	AVO	AP NW	4105	AC	40,108	45	AC Restoration	\$ 315,000.00
2018	AVO	AP S	4305	AC	57,173	28	AC Reconstruction	\$ 515,000.00
2018	AVO	AP SE	4405	AC	71,243	46	AC Restoration	\$ 545,000.00
2018	AVO	AP T-HANG	4605	AC	33,849	63	AC Restoration	\$ 237,000.00
2018	AVO	RW 10-28	6220	AAC	2,625	63	AC Restoration	\$ 19,000.00
2018	AVO	RW 5-23	6102	AC	108,750	52	AC Restoration	\$ 762,000.00
2018	AVO	TW A	105	AC	32,506	51	AC Restoration	\$ 228,000.00
2018	AVO	TW A	110	AC	15,090	61	AC Restoration	\$ 106,000.00
2018	AVO	TW A	115	AC	7,000	45	AC Restoration	\$ 55,000.00
2018	AVO	TW A	120	AC	22,435	56	AC Restoration	\$ 158,000.00
2018	AVO	TW A	135	AC	32,265	63	AC Restoration	\$ 226,000.00
2018	AVO	TW B	205	AAC	3,838	47	AC Restoration	\$ 30,000.00
2018	AVO	TW C	305	AC	10,629	62	AC Restoration	\$ 75,000.00
2018	AVO	TW D	415	AC	9,159	54	AC Restoration	\$ 65,000.00
2018	AVO	TW F	405	AAC	19,279	37	AC Reconstruction	\$ 174,000.00
2018	AVO	TW F	407	AAC	3,055	59	AC Restoration	\$ 22,000.00
2018	AVO	TW H	605	AC	28,704	59	AC Restoration	\$ 201,000.00
2020	AVO	TW E	505	AC	120,156	64	AC Restoration	\$ 842,000.00
2021	AVO	RW 10-28	6210	AC	18,827	63	AC Restoration	\$ 132,000.00
2021	AVO	RW 10-28	6215	AAC	37,125	64	AC Restoration	\$ 260,000.00
2021	AVO	TW E	502	AC	61,155	64	AC Restoration	\$ 429,000.00
2023	AVO	RW 10-28	6205	AAC	220,324	64	AC Restoration	\$ 1,543,000.00
2024	AVO	RW 5-23	6105	AC	215,625	64	AC Restoration	\$ 1,510,000.00
2025	AVO	RW 5-23	6104	AC	134,350	63	AC Restoration	\$ 941,000.00
2025	AVO	RW 5-23	6110	AC	78,675	64	AC Restoration	\$ 551,000.00
2027	AVO	TW B	202	AC	6,624	64	AC Restoration	\$ 47,000.00

Table 6.3.1 10-Year Major Rehabilitation Needs

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

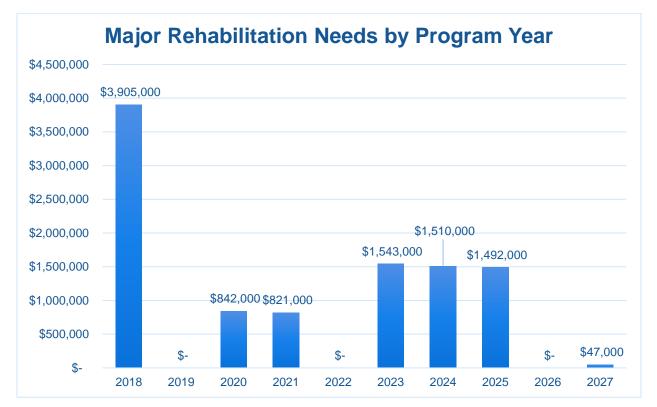


Figure 6.3.1-1 10-Year Major Rehabilitation Needs by Program Year



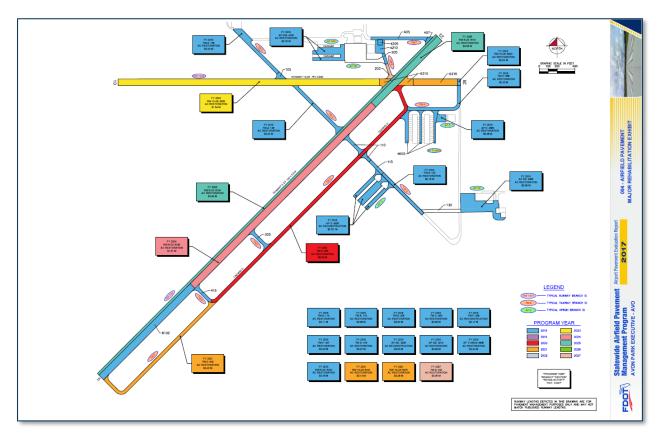


Figure 6.3.1-2 10-Year Major Rehabilitation Needs by Program Year Exhibit

Statewide Airfield Pavement Management Program



Chapter 7

7.1 Recommendations

7.1.1 Continued PCI Survey Inspections

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

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

7.1.2 Localized Maintenance and Repair

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

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

7.1.3 Major Rehabilitation

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

7.1.4 Pavement Management System

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

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



7.2 Supporting Documents

001 – Airfield Pavement Network Definition Exhibit

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

002 – Airfield Pavement System Inventory Exhibit

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

003 – Airfield Pavement Condition Index Exhibit

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

004 – Airfield Pavement Major Rehabilitation Exhibit

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

Inspection Photograph Documentation

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





7.3 Conclusion

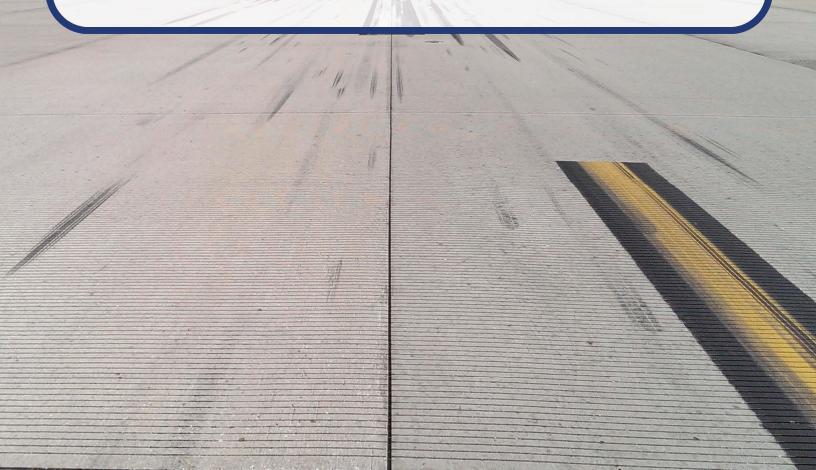
The FDOT SAPMP Update Phase 1 2016-2017 was completed for the airport on behalf of the FDOT ASO in accordance with the Advisory Circulars 150/5380-7B "Airport Pavement Management Program (PMP)" and 150/5380-6C "Guidelines and Procedures for Maintenance of Airport Pavements." FDOT's implementation of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

Statewide Airfield Pavement Management Program



Appendix A

Airfield Pavement Analysis Tables



Avon Park Executive Airport (AVO)



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Network ID	Branch Name	Branch ID	Branch Use	Section ID	Length (FT)	Width (FT)	Area (SF)	Surface Type	Est. Last Construction Date
AVO	EAST APRON	AP E	APRON	4505	115	80	8,514	AC	1/1/2003
AVO	NE APRON	AP NE	APRON	4205	60	50	3,000	AC	1/1/1992
AVO	NE APRON	AP NE	APRON	4210	100	95	11,566	AC	1/1/1969
AVO	NE APRON	AP NE	APRON	4215	300	200	60,357	AC	1/1/2007
AVO	NORTHWEST APRON	AP NW	APRON	4105	450	85	40,108	AC	1/1/1990
AVO	SOUTH APRON	AP S	APRON	4305	350	160	57,173	AC	1/1/2000
AVO	SE APRON	AP SE	APRON	4405	375	175	71,243	AC	1/1/2000
AVO	APRON T-HANG	AP T-HANG	TAXILANE	4605	370	80	33,849	AC	1/1/2003
AVO	RUNWAY 10-28	RW 10-28	RUNWAY	6205	2900	75	220,324	AAC	12/1/2006
AVO	RUNWAY 10-28	RW 10-28	RUNWAY	6210	250	75	18,827	AC	1/1/2001
AVO	RUNWAY 10-28	RW 10-28	RUNWAY	6215	495	75	37,125	AAC	12/1/2006
AVO	RUNWAY 10-28	RW 10-28	RUNWAY	6220	34	75	2,625	AAC	12/1/2006
AVO	RUNWAY 5-23	RW 5-23	RUNWAY	6102	1450	75	108,750	AC	1/1/2001
AVO	RUNWAY 5-23	RW 5-23	RUNWAY	6104	4920	25	134,350	AC	1/1/2001
AVO	RUNWAY 5-23	RW 5-23	RUNWAY	6105	2875	75	215,625	AC	1/1/2001
AVO	RUNWAY 5-23	RW 5-23	RUNWAY	6110	1050	75	78,675	AC	1/1/2001
AVO	TAXIWAY A	TW A	TAXIWAY	105	740	35	32,506	AC	1/1/1975
AVO	TAXIWAY A	TW A	TAXIWAY	110	340	35	15,090	AC	1/1/1985
AVO	TAXIWAY A	TW A	TAXIWAY	115	200	35	7,000	AC	1/1/1960
AVO	TAXIWAY A	TW A	TAXIWAY	120	640	35	22,435	AC	1/1/1969
AVO	TAXIWAY A	TW A	TAXIWAY	130	410	35	15,033	AC	1/1/2000
AVO	TAXIWAY A	TW A	TAXIWAY	135	700	35	32,265	AC	1/1/1990
AVO	TAXIWAY B	TW B	TAXIWAY	202	60	75	6,624	AC	1/1/2001
AVO	TAXIWAY B	TW B	TAXIWAY	205	125	30	3,838	AAC	1/1/1969
AVO	TAXIWAY C	TW C	TAXIWAY	305	250	35	10,629	AC	1/1/1997
AVO	TAXIWAY D	TW D	TAXIWAY	415	230	34	9,159	AC	1/1/1985
AVO	TAXIWAY E	TW E	TAXIWAY	502	1720	35	61,155	AC	1/1/1997
AVO	TAXIWAY E	TW E	TAXIWAY	505	3350	35	120,156	AC	1/1/1985
AVO	TAXIWAY F	TW F	TAXIWAY	405	350	30	19,279	AAC	1/1/1980
AVO	TAXIWAY F	TW F	TAXIWAY	407	62	50	3,055	AAC	1/1/2001
AVO	TAXIWAY H	TW H	TAXIWAY	605	815	35	28,704	AC	1/1/2003

Table A-1 Pavement System Inventory Details



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

Network ID	Branch Name	Branch Use	Section ID	Area (SF)	PCI	Condition Rating
AVO	RUNWAY 5-23	RUNWAY	6102	108,750	54	Poor
AVO	RUNWAY 5-23	RUNWAY	6104	134,350	76	Satisfactory
AVO	RUNWAY 5-23	RUNWAY	6105	215,625	75	Satisfactory
AVO	RUNWAY 5-23	RUNWAY	6110	78,675	77	Satisfactory
AVO	RUNWAY 10-28	RUNWAY	6205	220,324	76	Satisfactory
AVO	RUNWAY 10-28	RUNWAY	6210	18,827	70	Fair
AVO	RUNWAY 10-28	RUNWAY	6215	37,125	71	Satisfactory
AVO	RUNWAY 10-28	RUNWAY	6220	2,625	64	Fair
AVO	TAXIWAY A	TAXIWAY	105	32,506	53	Poor
AVO	TAXIWAY A	TAXIWAY	110	15,090	62	Fair
AVO	TAXIWAY A	TAXIWAY	115	7,000	47	Poor
AVO	TAXIWAY A	TAXIWAY	120	22,435	57	Fair
AVO	TAXIWAY A	TAXIWAY	130	15,033	80	Satisfactory
AVO	TAXIWAY A	TAXIWAY	135	32,265	64	Fair
AVO	TAXIWAY B	TAXIWAY	202	6,624	76	Satisfactory
AVO	TAXIWAY B	TAXIWAY	205	3,838	48	Poor
AVO	TAXIWAY C	TAXIWAY	305	10,629	63	Fair
AVO	TAXIWAY D	TAXIWAY	415	9,159	56	Fair
AVO	TAXIWAY E	TAXIWAY	502	61,155	68	Fair
AVO	TAXIWAY E	TAXIWAY	505	120,156	67	Fair
AVO	TAXIWAY F	TAXIWAY	405	19,279	40	Very Poor
AVO	TAXIWAY F	TAXIWAY	407	3,055	61	Fair
AVO	TAXIWAY H	TAXIWAY	605	28,704	60	Fair
AVO	APRON T-HANG	TAXILANE	4605	33,849	64	Fair
AVO	NORTHWEST APRON	APRON	4105	40,108	47	Poor
AVO	NE APRON	APRON	4205	3,000	35	Very Poor
AVO	NE APRON	APRON	4210	11,566	50	Poor
AVO	NE APRON	APRON	4215	60,357	83	Satisfactory
AVO	SOUTH APRON	APRON	4305	57,173	30	Very Poor
AVO	SE APRON	APRON	4405	71,243	48	Poor
AVO	EAST APRON	APRON	4505	8,514	59	Fair

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Avon Park Executive Airport (AVO)



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Table A-3 Forecasted PCI 2018-2027

		0						Forecas	sted PC	I			
Network ID	Branch ID	Section ID	Last PCI	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
AVO	AP E	4505	59	57	56	54	53	51	49	48	46	45	43
AVO	AP NE	4205	35	33	32	30	29	27	25	24	22	21	19
AVO	AP NE	4210	50	48	47	45	44	42	40	39	37	36	34
AVO	AP NE	4215	83	81	80	78	77	75	73	72	70	69	67
AVO	AP NW	4105	47	45	44	42	41	39	37	36	34	33	31
AVO	AP S	4305	30	28	27	25	24	22	20	19	17	16	14
AVO	AP SE	4405	48	46	45	43	42	40	38	37	35	34	32
AVO	AP T-HANG	4605	64	63	62	61	60	59	58	57	55	54	53
AVO	RW 10-28	6205	76	74	71	69	67	66	64	63	62	61	61
AVO	RW 10-28	6210	70	68	67	65	63	62	60	59	57	55	54
AVO	RW 10-28	6215	71	69	67	65	64	63	62	61	61	60	60
AVO	RW 10-28	6220	64	63	62	61	61	60	60	60	60	60	60
AVO	RW 5-23	6102	54	52	51	49	47	46	44	43	41	39	38
AVO	RW 5-23	6104	76	74	73	71	69	68	66	65	63	61	60
AVO	RW 5-23	6105	75	73	72	70	68	67	65	64	62	60	59
AVO	RW 5-23	6110	77	75	74	72	70	69	67	66	64	62	61
AVO	TW A	105	53	51	50	48	47	45	43	42	40	39	37
AVO	TW A	110	62	61	60	59	58	56	55	54	52	51	49
AVO	TW A	115	47	45	44	42	40	39	38	36	35	34	33
AVO	TW A	120	57	56	54	53	51	50	48	47	45	43	42
AVO	TW A	130	80	78	76	74	73	71	70	69	68	67	66
AVO	TW A	135	64	63	62	61	60	59	58	57	55	54	53
AVO	TW B	202	76	74	73	71	70	69	68	67	66	65	64
AVO	TW B	205	48	47	46	45	44	44	43	43	43	43	43
AVO	TW C	305	63	62	61	60	59	58	57	55	54	52	51
AVO	TW D	415	56	54	53	52	50	48	47	45	44	42	40
AVO	TW E	502	68	67	66	65	64	63	63	62	61	60	59
AVO	TW E	505	67	66	65	64	63	62	62	61	60	59	57
AVO	TW F	405	40	37	33	28	25	21	17	13	9	6	2
AVO	TW F	407	61	59	58	56	54	53	51	49	48	47	46
AVO	TW H	605	60	59	58	56	55	54	52	51	49	47	46

7/26/2017	1	Pavem	W vent Databas		rk History FDOT	y Report				Page 1 of 7
Network:			Branch: AP			APRON	Section:			Surface: AC
L.C.D.: 1/1/2		se: APRON	Rank: P	L	ength: 115			00 (Ft)	True Area:	8,514.00 (SqFt)
Work Date	Work Code	Work I	Description		Cost	Thickness (in)	Major M&R		Comn	nents
1/1/2003	NU-IN	New Construc	ction - Initial		0.00	2.00		2" AC/	6" Limerock/1	12"Subgrade
Network:			Branch: AP				Section:			Surface: AC
L.C.D.: 1/1/1		se: APRON	Rank: P	L	ength: 60	· ,		00 (Ft)	True Area:	3,000.00 (SqFt)
Work Date	Work Code	Work I	Description		Cost	Thickness (in)	Major M&R		Comm	nents
1/1/1992	IMPORT	BUILT			0.00	2.00		1992: 2	2" P-401 ON 6	i" P-211
	ED									
Network:	AVON PA	RK EXEC	Branch: AP	NE	NE AF	PRON	Section:	4210		Surface: AC
L.C.D.: 1/1/1	969 Us	se: APRON	Rank: P	L	ength: 100	.00 (Ft) Wie	ith: 95.0	00 (Ft)	True Area:	11,566.00 (SqFt)
Work Date	Work	Work I	Description		Cost	Thickness	Major		Comn	nents
1/1/1969	Code IMPORT		Description		0.00	(in) 0.00	M&R	ESTIM		
1/1/1/0/	ED	DUILI			0.00	0.00		L511141	AIL 1909 A	
1/1/1969	IMPORT ED	OVERLAY			0.00	0.00		SOIL: S	SP	
Network:	AVON PA	RK EXEC	Branch: AP	NE	NE AF	PRON	Section:	4215		Surface: AC
Network: L.C.D.: 1/1/2		RK EXEC	Branch: AP Rank: P						True Area:	Surface: AC 60,357.00 (SqFt)
	007 Us Work	se: APRON	Rank: P			.00 (Ft) Wie Thickness	lth: 200. Major		True Area: Comn	60,357.00 (SqFt)
L.C.D.: 1/1/2 Work Date	007 Us Work Code	se: APRON Work I	Rank: P Description		ength: 300 Cost	.00 (Ft) Wie	lth: 200. Major M&R			60,357.00 (SqFt)
L.C.D.: 1/1/2	007 Us Work	se: APRON	Rank: P Description		ength: 300	.00 (Ft) Win Thickness (in)	lth: 200. Major			60,357.00 (SqFt)
L.C.D.: 1/1/2 Work Date	007 Us Work Code NC-AC	se: APRON Work I New Construc	Rank: P Description		ength: 300 Cost 0.00	.00 (Ft) Win Thickness (in)	lth: 200. Major M&R	00 (Ft)		60,357.00 (SqFt)
L.C.D.: 1/1/2 Work Date 1/1/2007	007 Us Work Code NC-AC	se: APRON Work I New Construc	Rank: P Description etion - AC	Lo NW	ength: 300 Cost 0.00	.00 (Ft) With Thickness (in) 0.00 (Ft) 0.00 (F	dth: 200. Major M&R V Section:	4105		60,357.00 (SqFt) nents Surface: AC
L.C.D.: 1/1/2 Work Date 1/1/2007 Network: L.C.D.: 1/1/1	007 Us Work Code NC-AC AVON PA 990 Us Work	se: APRON Work I New Construc RK EXEC se: APRON	Rank: P Description ttion - AC Branch: AP Rank: P	Lo NW	ength: 300 Cost 0.00 7 NORT ength: 450	.00 (Ft) Wit Thickness (in) 0.00 HWEST AP .00 (Ft) Wit Thickness	dth: 200.0 Major M&R V Section: dth: 85.0 Major	4105	Comn True Area:	60,357.00 (SqFt) nents Surface: AC 40,108.00 (SqFt)
L.C.D.: 1/1/2 Work Date 1/1/2007 Network: L.C.D.: 1/1/1 Work Date	007 Us Work Code NC-AC AVON PA 990 Us Work Code	se: APRON Work I New Construc RK EXEC se: APRON Work I	Rank: P Description etion - AC Branch: AP Rank: P Description	Lo NW	ength: 300 Cost 0.00 V NORT ength: 450 Cost	.00 (Ft) Wit Thickness (in) 0.00 HWEST AP .00 (Ft) Wit Thickness (in)	dth: 200.4 Major M&R V Section: dth: 85.4 Major M&R	00 (Ft) 4105 00 (Ft)	Comn True Area: Comn	60,357.00 (SqFt) nents Surface: AC 40,108.00 (SqFt) nents
L.C.D.: 1/1/2 Work Date 1/1/2007 Network: L.C.D.: 1/1/1	007 Us Work Code NC-AC AVON PA 990 Us Work Code	se: APRON Work I New Construc RK EXEC se: APRON	Rank: P Description etion - AC Branch: AP Rank: P Description	Lo NW	ength: 300 Cost 0.00 7 NORT ength: 450	.00 (Ft) Wit Thickness (in) 0.00 HWEST AP .00 (Ft) Wit Thickness	dth: 200.4 Major M&R V Section: dth: 85.4 Major M&R	00 (Ft) 4105 00 (Ft)	Comn True Area: Comn	60,357.00 (SqFt) nents Surface: AC 40,108.00 (SqFt)
L.C.D.: 1/1/2 Work Date 1/1/2007 Network: L.C.D.: 1/1/1 Work Date	007 Us Work Code NC-AC AVON PA 990 Us Work Code NU-IN	se: APRON Work I New Construct RK EXEC se: APRON Work I New Construct	Rank: P Description etion - AC Branch: AP Rank: P Description		ength: 300 Cost 0.00 V NORT ength: 450 Cost 0.00	.00 (Ft) Wit Thickness (in) 0.00 HWEST AP .00 (Ft) Wit Thickness (in)	dth: 200.4 Major M&R V Section: dth: 85.4 Major M&R	00 (Ft) 4105 00 (Ft) ESTIM	Comn True Area: Comn	60,357.00 (SqFt) nents Surface: AC 40,108.00 (SqFt) nents
L.C.D.: 1/1/2 Work Date 1/1/2007 Network: L.C.D.: 1/1/1' Work Date 1/1/1990	007 Us Work Code NC-AC AVON PA 990 Us Work Code NU-IN	se: APRON Work I New Construct RK EXEC se: APRON Work I New Construct	Rank: P Description tion - AC Branch: AP Rank: P Description tion - Initial	Lu NW Lu S	ength: 300 Cost 0.00 V NORT ength: 450 Cost 0.00 SOUT	.00 (Ft) Wit Thickness (in) 0.00 HWEST AP .00 (Ft) Wit Thickness (in) 0.00 H APRON	dth: 200.0 Major M&R Image: Section: 3 Major M&R Image: M&R Image: Section: Section: Section:	00 (Ft) 4105 00 (Ft) ESTIM 4305	Comn True Area: Comn	60,357.00 (SqFt) nents Surface: AC 40,108.00 (SqFt) nents STRUCTION 1990
L.C.D.: 1/1/2 Work Date 1/1/2007 Network: L.C.D.: 1/1/1 ¹ Work Date 1/1/1990 Network: L.C.D.: 1/1/2	007 Us Work Code NC-AC AVON PA 990 Us Work Code NU-IN AVON PA 000 Us	se: APRON Work I New Construct RK EXEC se: APRON New Construct RK EXEC se: APRON	Rank: P Description etion - AC Branch: AP Rank: P Description etion - Initial Branch: AP Rank: P	Lu NW Lu S	ength: 300 Cost 0.00 V NORT ength: 450 Cost 0.00 SOUT ength: 350	.00 (Ft) Wit Thickness (in) 0.00 HWEST AP .00 (Ft) Wit Thickness (in) 0.00 H APRON	dth: 200.0 Major M&R Image: Section: 3 Major M&R Image: M&R Image: Section: Section: Section:	00 (Ft) 4105 00 (Ft) ESTIM 4305	Comn True Area: Comn ATED CONS True Area:	60,357.00 (SqFt) nents Surface: AC 40,108.00 (SqFt) nents STRUCTION 1990 Surface: AC 57,173.00 (SqFt)
L.C.D.: 1/1/2 Work Date 1/1/2007 Network: L.C.D.: 1/1/1 Work Date 1/1/1990 Network: L.C.D.: 1/1/2 Work Date	007 Us Work Code NC-AC AVON PA 990 Us Work Code NU-IN AVON PA 000 Us	se: APRON Work I New Construc RK EXEC se: APRON New Construc RK EXEC se: APRON Work I	Rank: P Description Etion - AC Branch: AP Rank: P Description Etion - Initial Branch: AP Rank: P Description	Lu NW Lu S	ength: 300 Cost 0.00 V NORT ength: 450 Cost 0.00 SOUT ength: 350 Cost	.00 (Ft) Win Thickness (in) 0.00 HWEST AP .00 (Ft) Win Thickness (in) .00 (Ft) Win Thickness (in)	th: 200.4 Major M&R Section: th: 85.4 Major M&R Section: th: 160.4 Major M&R	00 (Ft) 4105 00 (Ft) ESTIM 4305	Comn True Area: Comn ATED CONS	60,357.00 (SqFt) nents Surface: AC 40,108.00 (SqFt) nents STRUCTION 1990 Surface: AC 57,173.00 (SqFt)
L.C.D.: 1/1/2 Work Date 1/1/2007 Network: L.C.D.: 1/1/1 ¹ Work Date 1/1/1990 Network: L.C.D.: 1/1/2	007 Us Work Code NC-AC AVON PA 990 Us Work Code NU-IN AVON PA 000 Us	se: APRON Work I New Construct RK EXEC se: APRON New Construct RK EXEC se: APRON	Rank: P Description Etion - AC Branch: AP Rank: P Description Etion - Initial Branch: AP Rank: P Description	Lu NW Lu S	ength: 300 Cost 0.00 V NORT ength: 450 Cost 0.00 SOUT ength: 350	.00 (Ft) Win Thickness (in) 0.00 HWEST AP .00 (Ft) Win Thickness (in) 0.00 H APRON .00 (Ft) Win Thickness	th: 200.4 Major M&R Section: th: 85.4 Major M&R Section: th: 160.4 Major	00 (Ft) 4105 00 (Ft) ESTIM 4305	Comn True Area: Comn ATED CONS True Area:	60,357.00 (SqFt) nents Surface: AC 40,108.00 (SqFt) nents STRUCTION 1990 Surface: AC 57,173.00 (SqFt)
L.C.D.: 1/1/2 Work Date 1/1/2007 Network: L.C.D.: 1/1/1 Work Date 1/1/1990 Network: L.C.D.: 1/1/2 Work Date	007 Us Work Code NC-AC 990 Us Work Code NU-IN 000 Us Work Code NU-IN	se: APRON Work I New Construc RK EXEC se: APRON New Construc se: APRON Work I New Construc	Rank: P Description Etion - AC Branch: AP Rank: P Description Etion - Initial Branch: AP Rank: P Description		ength: 300 Cost 0.00 V NORT ength: 450 Cost 0.00 SOUT ength: 350 Cost	.00 (Ft) Wit Thickness (in) 0.00 HWEST AP .00 (Ft) Wit Thickness (in) 0.00 H APRON .00 (Ft) Wit Thickness (in) 0.00	th: 200.4 Major M&R Section: th: 85.4 Major M&R Section: th: 160.4 Major M&R	00 (Ft) 4105 00 (Ft) ESTIM 4305 00 (Ft)	Comn True Area: Comn ATED CONS True Area:	60,357.00 (SqFt) nents Surface: AC 40,108.00 (SqFt) nents STRUCTION 1990 Surface: AC 57,173.00 (SqFt)
L.C.D.: 1/1/2 Work Date 1/1/2007 Network: L.C.D.: 1/1/1 Work Date 1/1/1990 Network: L.C.D.: 1/1/2 Work Date 1/1/2000	007 Us Work Code NC-AC AVON PA 990 Us Work Code NU-IN AVON PA 000 Us Work Code NU-IN	se: APRON Work I New Construc RK EXEC se: APRON New Construc se: APRON Work I New Construc	Rank: P Description Etion - AC Branch: AP Rank: P Description Etion - Initial Branch: AP Rank: P		ength: 300 Cost 0.00 7 NORT ength: 450 Cost 0.00 SOUT ength: 350 Cost 0.00 SE AP	.00 (Ft) Wit Thickness (in) 0.00 HWEST AP .00 (Ft) Wit Thickness (in) 0.00 H APRON .00 (Ft) Wit Thickness (in) 0.00 RON	th: 200.4 Major M&R Section: th: 85.4 Major M&R Section: th: 160.4 Major M&R	00 (Ft) 4105 00 (Ft) ESTIM 4305 00 (Ft) 4405	Comn True Area: Comn ATED CONS True Area:	60,357.00 (SqFt) nents Surface: AC 40,108.00 (SqFt) nents STRUCTION 1990 Surface: AC 57,173.00 (SqFt) nents
L.C.D.: 1/1/2 Work Date 1/1/2007 Network: L.C.D.: 1/1/1' Work Date 1/1/1990 Network: L.C.D.: 1/1/2 Work Date 1/1/2000 Network:	007 Us Work Code NC-AC AVON PA 990 Us Work Code NU-IN AVON PA 000 Us Work Code NU-IN	se: APRON Work I New Construc RK EXEC se: APRON New Construc RK EXEC se: APRON Work I New Construc	Rank: P Description etion - AC Branch: AP Rank: P Description etion - Initial Branch: AP Rank: P Description etion - Initial		ength: 300 Cost 0.00 7 NORT ength: 450 Cost 0.00 SOUT ength: 350 Cost 0.00	.00 (Ft) Wit Thickness (in) 0.00 HWEST AP .00 (Ft) Wit Thickness (in) 0.00 H APRON .00 (Ft) Wit Thickness (in) 0.00 RON	th: 200.4 Major M&R Section: th: 85.4 Major M&R Section: th: 160.4 Major M&R Section:	00 (Ft) 4105 00 (Ft) ESTIM 4305 00 (Ft) 4405	Comn True Area: Comn ATED CONS True Area: Comn	60,357.00 (SqFt) nents Surface: AC 40,108.00 (SqFt) nents TRUCTION 1990 Surface: AC 57,173.00 (SqFt) nents Surface: AC 71,243.00 (SqFt)

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Network: L.C.D.: 1/1/2					Section: dth: 80.	: 4605 Surface: AC 00 (Ft) True Area: 33,849.00 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness	Major	Comments
1/1/2003		Complete Reconstruction - AC	0.00	(in) 4.00	M&R ✓	2"AC/6"Limerock Base/12"Subgrade
1/1/1900	NU-IN	New Construction - Initial	0.00	0.00		
Network:	AVON PA	RK EXEC Branch: RW 10	-28 RUNW	VAY 10-28	Section:	: 6205 Surface: AAC
L.C.D.: 12/1/2	2006 Us	e: RUNWAY Rank: S L	ength: 2,900	.00 (Ft) Wie	dth: 75.	00 (Ft) True Area: 220,324.00 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
12/1/2006		MILL and OVERLAY	0.00	0.00		
1/1/1942	IMPORT ED	OVERLAY	0.00	0.00		SOIL: SP
1/1/1942	IMPORT ED	BUILT	0.00	2.00		1942: 2" AC ON 5.5" LIME ROCK BASE
Network:	AVON PA	RK EXEC Branch: RW 10	-28 RUNW	VAY 10-28	Section:	Surface: AC
L.C.D.: 1/1/2	001 Us	e: RUNWAY Rank: S L	ength: 250	.00 (Ft) Wie	dth: 75.	00 (Ft) True Area: 18,827.00 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/2001		Complete Reconstruction - AC	0.00	0.00		4"AC/7"Limerock Base/12"Subgrade
1/1/1985	IMPORT ED	BUILT	0.00	2.00		1985: 2" P-401B ON 5.5" P-211
1/1/1985	IMPORT ED	OVERLAY	0.00	0.00		SOIL: SP
Network:				VAY 10-28	Section:	
L.C.D.: 12/1/2		e: RUNWAY Rank: S L	ength: 495			00 (Ft) True Area: 37,125.00 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
12/1/2006		MILL and OVERLAY	0.00			
1/1/1969	IMPORT ED	OVERLAY	0.00	0.00		ESTIMATE 1969 AC OVERLAY ON
1/1/1942	IMPORT ED	BUILT	0.00	0.00		ASSUME 1942 AC PAVEMENT
	AMONDA		00 DID.	LAN 10 20	g .:	(220)
Network: L.C.D.: 12/1/2				VAY 10-28 .00 (Ft) Wie	Section: dth: 75.	2 6220 Surface: AAC 00 (Ft) True Area: 2,625.00 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
12/1/2006		MILL and OVERLAY	0.00	0.00		
1/1/1942	IMPORT ED		0.00	0.00		ESTIMATE 1942 AC PAVEMENT (SAME AS TAXIWAY FEATURE 125

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			-			
Network:	AVON PA	RK EXEC Branch: RW 5-2	23 RUNW	VAY 5-23	Section:	6102 Surface: AC
L.C.D.: 1/1/2			ength: 1,450			00 (Ft) True Area: 108,750.00 (SqFt)
L.C.D.: 1/1/2	Work	e: KUNWAT Kalik: F L	engui: 1,430	Thickness	Major	(3414)
Work Date	Code	Work Description	Cost	(in)	M&R	Comments
1/1/2001	CR-AC	Complete Reconstruction - AC	0.00	4.00		4"AC/7"Limerock Base/12"Subgrade
1/1/1997		OVERLAY	0.00	0.00		75' WIDE RUNWAY
1/1/1997	ED IMPORT ED	BUILT	0.00	4.00		1997: 4" P-401 ON 6" P-211
Network:	AVON PA	RK EXEC Branch: RW 5-2	23 RUNW	VAY 5-23	Section:	6104 Surface: AC
L.C.D.: 1/1/2	001 Us	e: RUNWAY Rank: P L	ength: 4,920	.00 (Ft) Wie	dth: 25.	00 (Ft) True Area: 134,350.00 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/2001	NU-IN	New Construction - Initial	0.00	4.00		4" AC/7" Limerock/12"Subgrade
						-
Network:	AVON PA	RK EXEC Branch: RW 5-2	23 RUNW	VAY 5-23	Section:	6105 Surface: AC
L.C.D.: 1/1/2	001 Us	e: RUNWAY Rank: P L	ength: 2,875	.00 (Ft) Wie	dth: 75.	00 (Ft) True Area: 215,625.00 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/2001	CR-AC	Complete Reconstruction - AC	0.00	4.00		4"AC/7"Limerock Base/12"Subgrade
1/1/1969	IMPORT ED	OVERLAY	0.00	1.00		1969: 1" P-401 OVERLAY
1/1/1969		OVERLAY	0.00	0.00		SOIL: SP
1/1/1942	IMPORT ED	BUILT	0.00	1.50		1942: 1.5" AC ON 5.5" LIME ROCK BASE
	ED					DASE
Network:	AVON PA	RK EXEC Branch: RW 5-2	23 RUNW	VAY 5-23	Section:	6110 Surface: AC
L.C.D.: 1/1/2	001 Us	e: RUNWAY Rank: P L	ength: 1,050	.00 (Ft) Wie	dth: 75.	00 (Ft) True Area: 78,675.00 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/2001	CR-AC	Complete Reconstruction - AC	0.00	4.00		4"AC/7"Limerock Base/12"Subgrade
1/1/1985	IMPORT ED	BUILT	0.00	2.00		1985: 2" P-401 B ON 5.5" P-211
1/1/1985	IMPORT ED	OVERLAY	0.00	0.00		SOIL: SP
						•
Network:	AVON PA	RK EXEC Branch: TW A	TAXIV	WAY A	Section:	105 Surface: AC
L.C.D.: 1/1/1	975 Us	e: TAXIWAY Rank: T L	ength: 740	.00 (Ft) Wie	dth: 35.	00 (Ft) True Area: 32,506.00 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
12/1/2006	ST-SS	Surface Treatment - Slurry Seal	0.00	0.00		
1/1/1975	IMPORT ED	OVERLAY	0.00	0.00		SOIL: SP
1/1/1975	IMPORT ED	BUILT	0.00	0.00		ESTIMATE 1975 AC

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Network:	AVON PA	RK EXEC Branch: TW A	TAXI	WAY A	Section:	110 Surface: AC
L.C.D.: 1/1/1	985 Us	e: TAXIWAY Rank: P L	ength: 340	.00 (Ft) Wie	dth: 35.	00 (Ft) True Area: 15,090.00 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/1985	IMPORT ED	BUILT	0.00	2.00		1985: 2" P-401 ON 5.5" P-211
1/1/1985	IMPORT ED	OVERLAY	0.00	0.00		SOIL: SP
Network:	AVON PA	RK EXEC Branch: TW A	TAXI	WAY A	Section:	115 Surface: AC
L.C.D.: 1/1/1	960 Us	e: TAXIWAY Rank: P L	ength: 200	.00 (Ft) Wie	dth: 35.	00 (Ft) True Area: 7,000.00 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/1960	IMPORT ED	OVERLAY	0.00	0.00		SOIL: SP
1/1/1960	IMPORT ED	BUILT	0.00	0.00		ESTIMATE 1960 AC
Network: L.C.D.: 1/1/19 Work Date 1/1/2007 1/1/1969	969 Us Work Code	e: TAXIWAY Rank: P L Work Description Surface Treatment - Slurry Seal		WAY A .00 (Ft) Wite Thickness (in) 0.00 0.00	Section: dth: 35. Major M&R	Instruction Surface: AC 00 (Ft) True Area: 22,435.00 (SqFt) Comments ESTIMATE 1969 AC
Network:				WAY A	Section:	
L.C.D.: 1/1/2	Work	e: TAXIWAY Rank: P L Work Description	ength: 410 Cost	Thickness	Major	00 (Ft) True Area: 15,033.00 (SqFt) Comments
1/1/2000	Code NC-AC	New Construction - AC	0.00	(in) 0.00	M&R	
Network: L.C.D.: 1/1/1				WAY A .00 (Ft) Wi d	Section: dth: 35.	135 Surface: AC 00 (Ft) True Area: 32,265.00 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/2007 1/1/1990	ST-SC NU-IN	Surface Treatment - Seal Coat New Construction - Initial	0.00 0.00	0.00 0.00		Slurry Seal ESTIMATED CONSTRUCTION 1990
Network: L.C.D.: 1/1/20				WAY B .00 (Ft) Wi d	Section: dth: 75.	202 Surface: AC 00 (Ft) True Area: 6,624.00 (SqFt)
Work Date	Work	Work Description	Cost	Thickness	Major	Comments
1/1/2001	Code CR-AC	Complete Reconstruction - AC	0.00	(in) 0.00	M&R ✓	Estimated Construction Date
1/1/1985	IMPORT ED	BUILT	0.00	0.00		ASSUME: 1985 AC PAVEMENT

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Network:	AVON PA	RK EXEC Branch: TW F	B TAXI	WAY B	Section:	205 Surface: AAC				
L.C.D.: 1/1/1	969 Us					00 (Ft) True Area: 3,838.00 (SqFt)				
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments				
1/1/1969	IMPORT	OVERLAY	0.00	0.00		ASSUME OVERLAY IS ON AC				
1/1/1969	ED IMPORT ED	BUILT	0.00	1.00		PAVEMENT 1969: 1" P401 OVERLAY				
1/1/1969		OVERLAY	0.00	0.00		SOIL: SP				
Network:	AVON PA	RK EXEC Branch: TW C		WAY C	Section:	305 Surface: AC				
L.C.D.: 1/1/1		se: TAXIWAY Rank: P	Length: 250	.00 (Ft) Wi		00 (Ft) True Area: 10,629.00 (SqFt)				
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments				
1/1/1997	IMPORT ED	BUILT	0.00	4.00		1997: 4" P-401 ON 6" P-211				
Network: L.C.D.: 1/1/1		.RK EXEC Branch: TW I se: TAXIWAY Rank: P		WAY D .00 (Ft) Wi	Section: dth: 34.	415 Surface: AC 00 (Ft) True Area: 9,159.00 (SqFt)				
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments				
1/1/1985	NU-IN	New Construction - Initial	0.00	0.00						
	997 Us	RK EXEC Branch: TW F se: TAXIWAY Rank: P				502 Surface: AC 00 (Ft) True Area: 61,155.00 (SqFt)				
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments				
1/1/1997	IMPORT ED	BUILT	0.00	4.00		1997: 4" P-401 ON 6" P-211				
Network:	AVON PA	RK EXEC Branch: TW F	E TAXI	WAY E	Section:	505 Surface: AC				
L.C.D.: 1/1/1	985 Us	se: TAXIWAY Rank: P	Length: 3,350	.00 (Ft) Wi	dth: 35.	00 (Ft) True Area: 120,156.00 (SqFt)				
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments				
1/1/1985	IMPORT ED	BUILT	0.00	2.00		1985: 2" P-401 ON 5.5" P-211				
1/1/1985		OVERLAY	0.00	0.00		SOIL: SP				
Network:	AVON PA	RK EXEC Branch: TW F		WAY F	Section:					
L.C.D.: 1/1/1		se: TAXIWAY Rank: P	Length: 350			00 (Ft) True Area: 19,279.00 (SqFt)				
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments				
1/1/1980	IMPORT ED	BUILT	0.00	0.00		ESTIMATE 1980 AC OVERLAY - ASSUME OVERLAY IS ON AC PAVE				
1/1/1980		OVERLAY	0.00	0.00		SOIL: SP				

7/26/2017	1	Pavem	Woi ent Database:	rk History <i>FDOT</i>	y Report			Page 6 of 7
Network:	AVON PA	RK EXEC	Branch: TW F	TAXIV	WAY F	Section:	407	Surface: AAC
L.C.D.: 1/1/2	001 Us	e: TAXIWAY	Rank: P L	ength: 62	.00 (Ft) Wi	d th: 50.0	00 (Ft) True Area:	3,055.00 (SqFt)
Work Date	Work Code	Work D	escription	Cost	Thickness (in)	Major M&R	Com	ments
1/1/2001	OL-AT	Overlay - AC T	Thin	0.00	0.00	K	Estimated Construct	ion Date
1/1/1980	IMPORT ED	BUILT		0.00	0.00		ESTIMATE 1980 A ASSUME OVERLA	C OVERLAY - AY IS ON AC PAVE
1/1/1980	IMPORT ED	OVERLAY		0.00	0.00		SOIL: SP	
Network: L.C.D.: 1/1/2		RK EXEC	Branch: TW H		WAY H .00 (Ft) Wi	Section: dth: 35.0	605 00 (Ft) True Area:	Surface: AC 28,704.00 (SqFt)
Work Date	Work Code	[escription	Cost	Thickness (in)	Major M&R		ments
1/1/2003	NU-IN	New Construct	ion - Initial	0.00	2.00		2" AC/6" Limerock	base/ 12" subgrade

7/26/2017

Work History Report

Pavement Database: FDOT

Summary:

Work Description	Section Count	Area Total (SqFt)	Thickness Avg (in)	Thickness STD (in)
BUILT	20	998,284.00	1.32	1.42
Complete Reconstruction - AC	6	462,350.00	2.67	1.89
MILL and OVERLAY	3	260,074.00	0.00	0.00
New Construction - AC	2	75,390.00	0.00	0.00
New Construction - Initial	9	415,365.00	0.89	1.37
OVERLAY	16	1,111,279.00	0.06	0.24
Overlay - AC Thin	1	3,055.00	0.00	0.00
Surface Treatment - Seal Coat	1	32,265.00	0.00	0.00
Surface Treatment - Slurry Seal	2	54,941.00	0.00	0.00

7/26/2017	7/26/2017 Branch Condition Report Page 1 of 2 Pavement Database: FDOT											
Branch ID	Number of Sections	Sum Section Length (Ft)	Avg Section Width (Ft)	True Area (SqFt)	Use	Average PCI	Standard Deviation PCI	Weighted Average PCI				
AP E	1	115.00	80.00	8,514.00	APRON	59.00	0.00	59.00				
AP NE	3	460.00	115.00	74,923.00	APRON	56.00	20.05	75.98				
AP NW	1	450.00	85.00	40,108.00	APRON	47.00	0.00	47.00				
AP S	1	350.00	160.00	57,173.00	APRON	30.00	0.00	30.00				
AP SE	1	375.00	175.00	71,243.00	APRON	48.00	0.00	48.00				
AP T-HAN	1	370.00	80.00	33,849.00	TAXILANE	64.00	0.00	64.00				
RW 10-28	4	3,679.00	75.00	278,901.00	RUNWAY	70.25	4.26	74.82				
RW 5-23	4	10,295.00	62.50	537,400.00	RUNWAY	70.50	9.55	71.29				
TW A	6	3,030.00	35.00	124,329.00	TAXIWAY	60.50	10.37	60.60				
TW B	2	185.00	52.50	10,462.00	TAXIWAY	62.00	14.00	65.73				
TW C	1	250.00	35.00	10,629.00	TAXIWAY	63.00	0.00	63.00				
TW D	1	230.00	34.00	9,159.00	TAXIWAY	56.00	0.00	56.00				
TW E	2	5,070.00	35.00	181,311.00	TAXIWAY	67.50	0.50	67.34				
TW F	2	412.00	40.00	22,334.00	TAXIWAY	50.50	10.50	42.87				
TW H	1	815.00	35.00	28,704.00	TAXIWAY	60.00	0.00	60.00				

7/26/2017 Branch Condition Report Page 2 of 2 Pavement Database: FDOT									
Use Category	Number of Sections	Total Area (SqFt)	Arithmetic Average PCI	Average STD PCI	Weighted Average PCI				
APRON	7	251961.00007444	50.29	16.07	52.45				
RUNWAY	8	816301.000186497	70.38	7.40	72.50				
TAXILANE	1	33849.0000103469	64.00	0.00	64.00				
TAXIWAY	15	386928.00001462	60.13	10.28	62.78				
ALL	31	1489039.0002859	60.68	13.14	66.39				

7/26/2017Section Condition ReportPage 1 of 2										
Pavement Date	abase: FDOT	NetworkId: AVO								
Branch ID	Section ID	Last Const. Date	Surface	Use	Rank	Lanes	True Area (SqFt)	Last Inspection Date	Age At Inspec tion	
AP E	4505	1/1/2003	AC	APRON	Р	0	8,514.00	4/3/2017	14	59
AP NE	4205	1/1/1992	AC	APRON	Р	0	3,000.00	4/3/2017	25	35
AP NE	4210	1/1/1969	AC	APRON	Р	0	11,566.00	4/3/2017	48	50
AP NE	4215	1/1/2007	AC	APRON	Р	0	60,357.00	4/3/2017	10	83
AP NW	4105	1/1/1990	AC	APRON	Р	0	40,108.00	4/3/2017	27	47
AP S	4305	1/1/2000	AC	APRON	Р	0	57,173.00	4/3/2017	17	30
AP SE	4405	1/1/2000	AC	APRON	Р	0	71,243.00	4/3/2017	17	48
AP T-HANG	4605	1/1/2003	AC	TAXILANE	Р	0	33,849.00	4/3/2017	14	64
RW 10-28	6205	12/1/2006	AAC	RUNWAY	S	0	220,324.00	4/3/2017	11	76
RW 10-28	6210	1/1/2001	AC	RUNWAY	S	0	18,827.00	4/3/2017	16	70
RW 10-28	6215	12/1/2006	AAC	RUNWAY	S	0	37,125.00	4/3/2017	11	71
RW 10-28	6220	12/1/2006	AAC	RUNWAY	S	0	2,625.00	4/3/2017	11	64
RW 5-23	6102	1/1/2001	AC	RUNWAY	Р	0	108,750.00	4/3/2017	16	54
RW 5-23	6104	1/1/2001	AC	RUNWAY	Р	0	134,350.00	4/3/2017	16	76
RW 5-23	6105	1/1/2001	AC	RUNWAY	Р	0	215,625.00	4/3/2017	16	75
RW 5-23	6110	1/1/2001	AC	RUNWAY	Р	0	78,675.00	4/3/2017	16	77
TW A	105	1/1/1975	AC	TAXIWAY	Т	0	32,506.00	4/3/2017	42	53
TW A	110	1/1/1985	AC	TAXIWAY	Р	0	15,090.00	4/3/2017	32	62
TW A	115	1/1/1960	AC	TAXIWAY	Р	0	7,000.00	4/3/2017	57	47
TW A	120	1/1/1969	AC	TAXIWAY	Р	0	22,435.00	4/3/2017	48	57
TW A	130	1/1/2000	AC	TAXIWAY	Р	0	15,033.00	4/3/2017	17	80
TW A	135	1/1/1990	AC	TAXIWAY	Р	0	32,265.00	4/3/2017	27	64
TW B	202	1/1/2001	AC	TAXIWAY	Р	0	6,624.00	4/3/2017	16	76
TW B	205	1/1/1969	AAC	TAXIWAY	Р	0	3,838.00	4/3/2017	48	48
TW C	305	1/1/1997	AC	TAXIWAY	Р	0	10,629.00	4/3/2017	20	63
TW D	415	1/1/1985	AC	TAXIWAY	Р	0	9,159.00	4/3/2017	32	56
TW E	502	1/1/1997	AC	TAXIWAY	Р	0	61,155.00	4/3/2017	20	68
TW E	505	1/1/1985	AC	TAXIWAY	Р	0	120,156.00	4/3/2017	32	67
TW F	405	1/1/1980	AAC	TAXIWAY	Р	0	19,279.00	4/3/2017	37	40
TW F	407	1/1/2001	AAC	TAXIWAY	Р	0	3,055.00	4/3/2017	16	61
TW H	605	1/1/2003	AC	TAXIWAY	Р	0	28,704.00	4/3/2017	14	60

7/26/2017 Section Condition Report (Summary) Page 2 of Pavement Database: FDOT										
Age Category	Average Age at Inspection	Total Area (SqFt)	Number of Sections	Arithmetic Average PCI	Standard Deviation PCI	Weighted Average PCI				
06-10	10	60,357.00	1	83.00	0.00	83.00				
11-15	13	331,141.00	6	65.67	6.02	72.29				
16-20	17	781,139.00	12	64.83	14.14	65.91				
21-25	25	3,000.00	1	35.00	0.00	35.00				
26-30	27	72,373.00	2	55.50	8.50	54.58				
31-35	32	144,405.00	3	61.67	4.50	65.78				
36-40	37	19,279.00	1	40.00	0.00	40.00				
41-50	47	70,345.00	4	52.00	3.39	53.51				
ALL	24	1,489,039.00	31	60.68	13.14	66.39				
Over 50	57	7,000.00	1	47.00	0.00	47.00				

Statewide Airfield Pavement Management Program



Appendix B

Airfield Pavement Localized Maintenance and Repair and Major Rehabilitation

Network ID	Branch ID	Section ID	Distress Code	Description	Severity	Distress Qty	Distress Unit	Percent Distress	Work Description	Work Qty	Work Unit	Unit Cost	Work Cost
AVO	AP E	4505	45	DEPRESSION	Low	817.3	SqFt	9.6%	FDOT - PATCHING - AC FULL DEPTH	936.46	SqFt	\$ 6.00	\$ 5,620.00
AVO	AP E	4505	52	RAVELING	Low	8497.68	SqFt	99.8%	FDOT - SURFACE SEAL	8498.11	SqFt	\$ 0.55	\$ 4,680.00
AVO	AP E	4505	52	RAVELING	Medium	16.36	SqFt	0.2%	FDOT - PATCHING - AC PARTIAL DEPTH	16.15	SqFt	\$ 3.00	\$ 50.00
AVO	AP NE	4205	45	DEPRESSION	Low	40.04	SqFt	1.3%	FDOT - PATCHING - AC FULL DEPTH	69.97	SqFt	\$ 6.00	\$ 420.00
AVO	AP NE	4205	45	DEPRESSION	Medium	130.03	SqFt	4.3%	FDOT - PATCHING - AC FULL DEPTH	179.76	SqFt	\$ 6.00	\$ 1,080.00
AVO	AP NE	4205	52	RAVELING	Low	2428.98	SqFt	81.0%	FDOT - SURFACE SEAL	2429.41	SqFt	\$ 0.55	\$ 1,340.00
AVO	AP NE	4205	52	RAVELING	Medium	493.96	SqFt	16.5%	FDOT - PATCHING - AC PARTIAL DEPTH	494.06	SqFt	\$ 3.00	\$ 1,490.00
AVO	AP NE	4210	41	ALLIGATOR CR	Low	166.41	SqFt	1.4%	FDOT - PATCHING - AC FULL DEPTH	222.81	SqFt	\$ 6.00	\$ 1,340.00
AVO	AP NE	4210	45	DEPRESSION	Low	71.26	SqFt	0.6%	FDOT - PATCHING - AC FULL DEPTH	109.79	SqFt	\$ 6.00	\$ 660.00
AVO	AP NE	4210	52	RAVELING	Low	11566.04	SqFt	100.0%	FDOT - SURFACE SEAL	11565.82	SqFt	\$ 0.55	\$ 6,370.00
AVO	AP NE	4215	45	DEPRESSION	Low	603.53	SqFt	1.0%	FDOT - PATCHING - AC FULL DEPTH	706.11	SqFt	\$ 6.00	\$ 4,240.00
AVO	AP NE	4215	49	OIL SPILLAGE	N/A	120.66	SqFt	0.2%	FDOT - PATCHING - AC PARTIAL DEPTH	168.99	SqFt	\$ 3.00	\$ 510.00
AVO	AP NW	4105	43	BLOCK CR	Medium	4010.85	SqFt	10.0%	FDOT - CRACK SEALING - AC	1222.44	Ft	\$ 3.00	\$ 3,670.00
AVO	AP NW	4105	52	RAVELING	Low	40108.05	SqFt	100.0%	FDOT - SURFACE SEAL	40108.48	SqFt	\$ 0.55	\$ 22,060.00
AVO	AP S	4305	41	ALLIGATOR CR	Low	65.66	SqFt	0.1%	FDOT - PATCHING - AC FULL DEPTH	102.26	SqFt	\$ 6.00	\$ 620.00
AVO	AP S	4305	45	DEPRESSION	Low	704.61	SqFt	1.2%	FDOT - PATCHING - AC FULL DEPTH	815.9	SqFt	\$ 6.00	\$ 4,900.00
AVO	AP S	4305	52	RAVELING	Medium	57173.05	SqFt	100.0%	FDOT - PATCHING - AC PARTIAL DEPTH	57172.51	SqFt	\$ 3.00	\$ 171,520.00
AVO	AP SE	4405	45	DEPRESSION	Low	1800.05	SqFt	2.5%	FDOT - PATCHING - AC FULL DEPTH	1975.18	SqFt	\$ 6.00	\$ 11,850.00
AVO	AP SE	4405	50	PATCHING	Medium	23.79	SqFt	0.0%	FDOT - PATCHING - AC FULL DEPTH	47.36	SqFt	\$ 6.00	\$ 290.00
AVO	AP SE	4405	52	RAVELING	Low	70839.34	SqFt	99.4%	FDOT - SURFACE SEAL	70839.45	SqFt	\$ 0.55	\$ 38,970.00
AVO	AP SE	4405	52	RAVELING	Medium	379.97	SqFt	0.5%	FDOT - PATCHING - AC PARTIAL DEPTH	379.97	SqFt	\$ 3.00	\$ 1,140.00
AVO	AP T-HANG	4605	45	DEPRESSION	Low	947.76	SqFt	2.8%	FDOT - PATCHING - AC FULL DEPTH	1075.31	SqFt	\$ 6.00	\$ 6,460.00
AVO	AP T-HANG	4605	52	RAVELING	Low	3254.04	SqFt	9.6%	FDOT - SURFACE SEAL	3253.93	SqFt	\$ 0.55	\$ 1,790.00
AVO	AP T-HANG	4605	52	RAVELING	Medium	482.87	SqFt	1.4%	FDOT - PATCHING - AC PARTIAL DEPTH	483.3	SqFt	\$ 3.00	\$ 1,450.00
AVO	RW 10-28	6205	48	L & T CR	Medium	870.7	Ft	0.4%	FDOT - CRACK SEALING - AC	870.73	Ft	\$ 3.00	\$ 2,620.00
AVO	RW 10-28	6205	52	RAVELING	Low	14498.13	SqFt	6.6%	FDOT - SURFACE SEAL	14497.91	SqFt	\$ 0.55	\$ 7,980.00
AVO	RW 10-28	6205	52	RAVELING	Medium	13.78	SqFt	0.0%	FDOT - PATCHING - AC PARTIAL DEPTH	13.99	SqFt	\$ 3.00	\$ 50.00
AVO	RW 10-28	6210	52	RAVELING	Low	2669.99	SqFt	14.2%	FDOT - SURFACE SEAL	2669.45	SqFt	\$ 0.55	\$ 1,470.00
AVO	RW 10-28	6215	48	L & T CR	Medium	247.51	Ft	0.7%	FDOT - CRACK SEALING - AC	247.38	Ft	\$ 3.00	\$ 750.00
AVO	RW 10-28	6215	52	RAVELING	Low	495.03	SqFt	1.3%	FDOT - SURFACE SEAL	495.14	SqFt	\$ 0.55	\$ 280.00
AVO	RW 10-28	6220	48	L & T CR	Medium	50	Ft	1.9%	FDOT - CRACK SEALING - AC	49.87	Ft	\$ 3.00	\$ 150.00
AVO	RW 10-28	6220	52	RAVELING	Low	340.03	SqFt	13.0%	FDOT - SURFACE SEAL	340.14	SqFt	\$ 0.55	\$ 190.00
AVO	RW 5-23	6102	45	DEPRESSION	Low	788.78	SqFt	0.7%	FDOT - PATCHING - AC FULL DEPTH	906.32	SqFt	\$ 6.00	\$ 5,440.00
AVO	RW 5-23	6102	48	L & T CR	Medium	435.01	Ft	0.4%	FDOT - CRACK SEALING - AC	435.04	Ft	\$ 3.00	\$ 1,310.00
AVO	RW 5-23	6102	52	RAVELING	Low	103895.42	SqFt	95.5%	FDOT - SURFACE SEAL	103895.4	SqFt	\$ 0.55	\$ 57,150.00
AVO	RW 5-23	6102	52	RAVELING	Medium	4854.63	SqFt	4.5%	FDOT - PATCHING - AC PARTIAL DEPTH	4854.52	SqFt	\$ 3.00	\$ 14,570.00
AVO	RW 5-23	6104	45	DEPRESSION	Low	1175.42	SqFt	0.9%	FDOT - PATCHING - AC FULL DEPTH	1317.5	SqFt	\$ 6.00	\$ 7,910.00
AVO	RW 5-23	6104	52	RAVELING	Low	14354.97	SqFt	10.7%	FDOT - SURFACE SEAL	14354.75	SqFt	\$ 0.55	\$ 7,900.00

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



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le Airfield Pave nent Program	ment Airport Pa Evaluation	n Report 2017	7							von Park /e Airport (AVC))	The	F
Network ID	Branch ID	Section ID	Distress Code	Description	Severity	Distress Qty	Distress Unit	Percent Distress	Work Description	Work Qty	Work Unit	Unit Cost	Work Cost
AVO	RW 5-23	6104	52	RAVELING	Medium	376.41	SqFt	0.3%	FDOT - PATCHING - AC PARTIAL DEPTH	376.74	SqFt	\$ 3.00	\$ 1,130.00
AVO	RW 5-23	6105	52	RAVELING	Low	11198.13	SqFt	5.2%	FDOT - SURFACE SEAL	11197.7	SqFt	\$ 0.55	\$ 6,160.00
AVO	RW 5-23	6105	52	RAVELING	Medium	17695.65	SqFt	8.2%	FDOT - PATCHING - AC PARTIAL DEPTH	17695.87	SqFt	\$ 3.00	\$ 53,090.00
AVO	RW 5-23	6110	52	RAVELING	Low	3960.04	SqFt	5.0%	FDOT - SURFACE SEAL	3960.04	SqFt	\$ 0.55	\$ 2,180.00
AVO	RW 5-23	6110	52	RAVELING	Medium	1971.63	SqFt	2.5%	FDOT - PATCHING - AC PARTIAL DEPTH	1971.95	SqFt	\$ 3.00	\$ 5,920.00
AVO	TW A	105	43	BLOCK CR	Medium	750.46	SqFt	2.3%	FDOT - CRACK SEALING - AC	228.67	Ft	\$ 3.00	\$ 690.00
AVO	TW A	105	52	RAVELING	Low	24558.72	SqFt	75.6%	FDOT - SURFACE SEAL	24558.94	SqFt	\$ 0.55	\$ 13,510.00
AVO	TW A	110	48	L&TCR	Medium	193.9	Ft	1.3%	FDOT - CRACK SEALING - AC	193.9	Ft	\$ 3.00	\$ 590.00
AVO	TW A	110	52	RAVELING	Low	8603.06	SqFt	57.0%	FDOT - SURFACE SEAL	8603.59	SqFt	\$ 0.55	\$ 4,740.00
AVO	TW A	110	52	RAVELING	Medium	753.37	SqFt	5.0%	FDOT - PATCHING - AC PARTIAL DEPTH	753.47	SqFt	\$ 3.00	\$ 2,270.00
AVO	TW A	115	52	RAVELING	Low	6000.02	SqFt	85.7%	FDOT - SURFACE SEAL	5999.8	SqFt	\$ 0.55	\$ 3,310.00
AVO	TW A	115	52	RAVELING	Medium	999.97	SqFt	14.3%	FDOT - PATCHING - AC PARTIAL DEPTH	999.97	SqFt	\$ 3.00	\$ 3,000.00
AVO	TW A	120	48	L & T CR	Medium	51.28	Ft	0.2%	FDOT - CRACK SEALING - AC	51.18	Ft	\$ 3.00	\$ 160.00
AVO	TW A	120	52	RAVELING	Low	22435	SqFt	100.0%	FDOT - SURFACE SEAL	22435.22	SqFt	\$ 0.55	\$ 12,340.00
AVO	TW A	130	57	WEATHERING	Medium	15032.98	SqFt	100.0%	FDOT - SURFACE SEAL	15032.88	SqFt	\$ 0.55	\$ 8,270.00
AVO	TW A	135	52	RAVELING	Low	32265.04	SqFt	100.0%	FDOT - SURFACE SEAL	32264.82	SqFt	\$ 0.55	\$ 17,750.00
AVO	TW B	202	52	RAVELING	Low	1325.58	SqFt	20.0%	FDOT - SURFACE SEAL	1325.04	SqFt	\$ 0.55	\$ 730.00
AVO	TW B	205	45	DEPRESSION	Low	138.96	SqFt	3.6%	FDOT - PATCHING - AC FULL DEPTH	190.52	SqFt	\$ 6.00	\$ 1,150.00
AVO	TW B	205	52	RAVELING	Low	3069.97	SqFt	80.0%	FDOT - SURFACE SEAL	3069.87	SqFt	\$ 0.55	\$ 1,690.00
AVO	TW B	205	52	RAVELING	Medium	768.01	SqFt	20.0%	FDOT - PATCHING - AC PARTIAL DEPTH	767.47	SqFt	\$ 3.00	\$ 2,310.00
AVO	TW C	305	52	RAVELING	Low	3188.7	SqFt	30.0%	FDOT - SURFACE SEAL	3188.27	SqFt	\$ 0.55	\$ 1,760.00
AVO	TW D	415	45	DEPRESSION	Low	665.1	SqFt	7.3%	FDOT - PATCHING - AC FULL DEPTH	772.85	SqFt	\$ 6.00	\$ 4,640.00
AVO	TW D	415	48	L & T CR	Medium	109.84	Ft	1.2%	FDOT - CRACK SEALING - AC	109.91	Ft	\$ 3.00	\$ 330.00
AVO	TW D	415	52	RAVELING	Low	3662.85	SqFt	40.0%	FDOT - SURFACE SEAL	3662.96	SqFt	\$ 0.55	\$ 2,020.00
AVO	TW E	502	52	RAVELING	Low	20385.02	SqFt	33.3%	FDOT - SURFACE SEAL	20384.69	SqFt	\$ 0.55	\$ 11,220.00
AVO	TW E	505	48	L & T CR	Medium	68.67	Ft	0.1%	FDOT - CRACK SEALING - AC	68.57	Ft	\$ 3.00	\$ 210.00
AVO	TW E	505	52	RAVELING	Low	54070.24	SqFt	45.0%	FDOT - SURFACE SEAL	54070.35	SqFt	\$ 0.55	\$ 29,740.00
AVO	TW F	405	43	BLOCK CR	Medium	6142.1	SqFt	31.9%	FDOT - CRACK SEALING - AC	1872.05	Ft	\$ 3.00	\$ 5,620.00
AVO	TW F	405	45	DEPRESSION	Low	76.85	SqFt	0.4%	FDOT - PATCHING - AC FULL DEPTH	116.25	SqFt	\$ 6.00	\$ 700.00
AVO	TW F	405	52	RAVELING	Low	17769.28	SqFt	92.2%	FDOT - SURFACE SEAL	17769.06	SqFt	\$ 0.55	\$ 9,780.00
AVO	TW F	407	48	L & T CR	Medium	125	Ft	4.1%	FDOT - CRACK SEALING - AC	125	Ft	\$ 3.00	\$ 380.00
AVO	TW F	407	52	RAVELING	Low	306.02	SqFt	10.0%	FDOT - SURFACE SEAL	305.7	SqFt	\$ 0.55	\$ 170.00
AVO	TW H	605	45	DEPRESSION	Low	1566.47	SqFt	5.5%	FDOT - PATCHING - AC FULL DEPTH	1729.76	SqFt	\$ 6.00	\$ 10,380.00
AVO	TW H	605	50	PATCHING	Medium	1377.78	SqFt	4.8%	FDOT - PATCHING - AC FULL DEPTH	1531.7	SqFt	\$ 6.00	\$ 9,190.00
AVO	TW H	605	52	RAVELING	Low	2731.02	SqFt	9.5%	FDOT - SURFACE SEAL	2730.8	SqFt	\$ 0.55	\$ 1,510.00





Table B-2 10-Year Major Rehabilitation Planning Needs at Section Level

Program Year	Network ID	Branch ID	Section ID	Surface	Area (SF)	PCI Before	Rehabilitation Type	Planning Cost
2018	AVO	AP E	4505	AC	8,514	57	AC Restoration	\$ 60,000.00
2018	AVO	AP NE	4205	AC	3,000	33	AC Reconstruction	\$ 28,000.00
2018	AVO	AP NE	4210	AC	11,566	48	AC Restoration	\$ 84,000.00
2018	AVO	AP NW	4105	AC	40,108	45	AC Restoration	\$ 315,000.00
2018	AVO	AP S	4305	AC	57,173	28	AC Reconstruction	\$ 515,000.00
2018	AVO	AP SE	4405	AC	71,243	46	AC Restoration	\$ 545,000.00
2018	AVO	AP T-HANG	4605	AC	33,849	63	AC Restoration	\$ 237,000.00
2018	AVO	RW 10-28	6220	AAC	2,625	63	AC Restoration	\$ 19,000.00
2018	AVO	RW 5-23	6102	AC	108,750	52	AC Restoration	\$ 762,000.00
2018	AVO	TW A	105	AC	32,506	51	AC Restoration	\$ 228,000.00
2018	AVO	TW A	110	AC	15,090	61	AC Restoration	\$ 106,000.00
2018	AVO	TW A	115	AC	7,000	45	AC Restoration	\$ 55,000.00
2018	AVO	TW A	120	AC	22,435	56	AC Restoration	\$ 158,000.00
2018	AVO	TW A	135	AC	32,265	63	AC Restoration	\$ 226,000.00
2018	AVO	TW B	205	AAC	3,838	47	AC Restoration	\$ 30,000.00
2018	AVO	TW C	305	AC	10,629	62	AC Restoration	\$ 75,000.00
2018	AVO	TW D	415	AC	9,159	54	AC Restoration	\$ 65,000.00
2018	AVO	TW F	405	AAC	19,279	37	AC Reconstruction	\$ 174,000.00
2018	AVO	TW F	407	AAC	3,055	59	AC Restoration	\$ 22,000.00
2018	AVO	TW H	605	AC	28,704	59	AC Restoration	\$ 201,000.00
2020	AVO	TW E	505	AC	120,156	64	AC Restoration	\$ 842,000.00
2021	AVO	RW 10-28	6210	AC	18,827	63	AC Restoration	\$ 132,000.00
2021	AVO	RW 10-28	6215	AAC	37,125	64	AC Restoration	\$ 260,000.00
2021	AVO	TW E	502	AC	61,155	64	AC Restoration	\$ 429,000.00
2023	AVO	RW 10-28	6205	AAC	220,324	64	AC Restoration	\$ 1,543,000.00
2024	AVO	RW 5-23	6105	AC	215,625	64	AC Restoration	\$ 1,510,000.00

Airport Pavement	2017	Avon Park
	2017	
Evaluation Report		Executive Airport (AVO)
	Airport Pavement Evaluation Report	



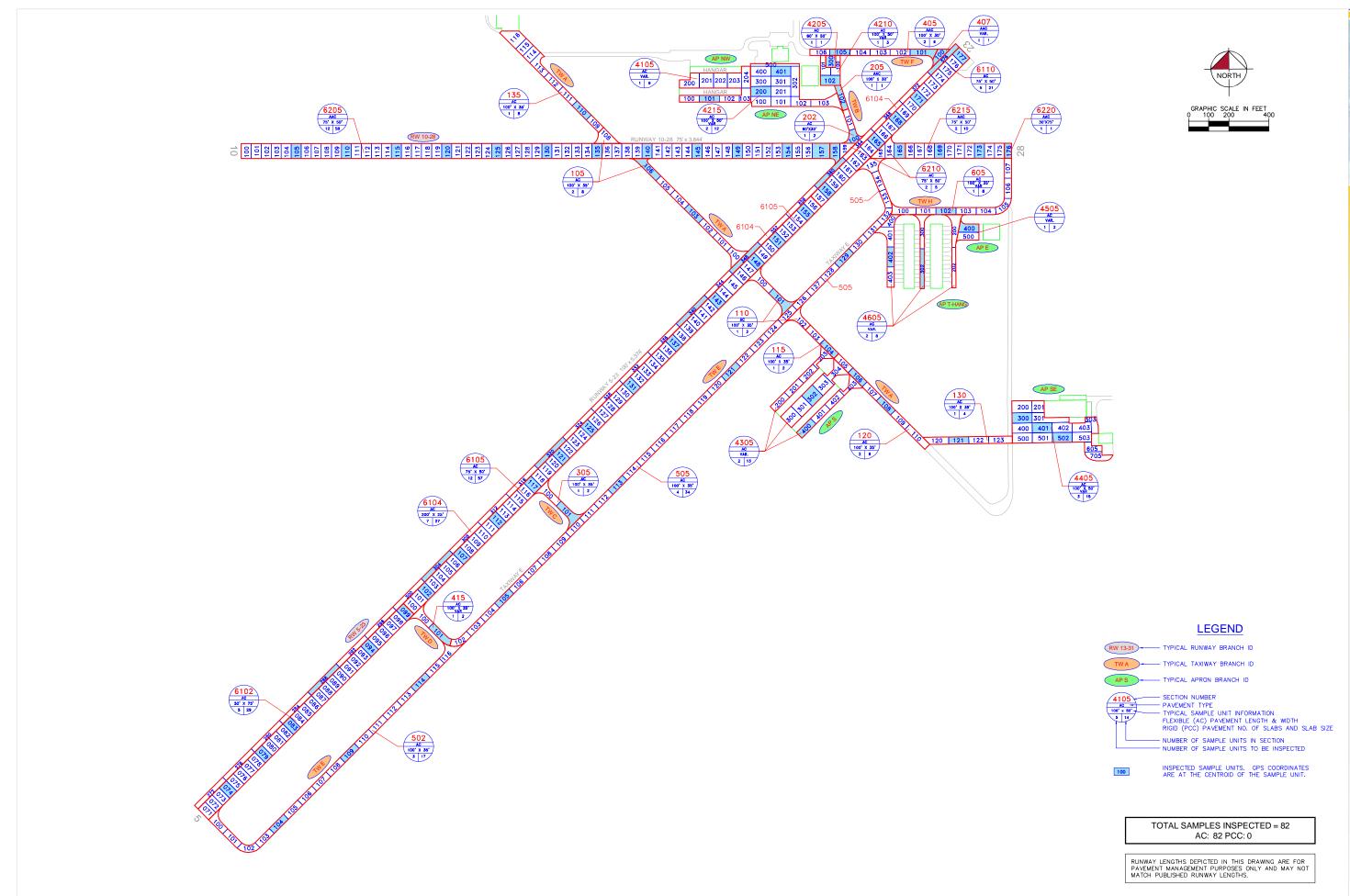
Program Year	Network ID	Branch ID	Section ID	Surface	Area (SF)	PCI Before	Rehabilitation Type	Planning Cost
2025	AVO	RW 5-23	6104	AC	134,350	63	AC Restoration	\$ 941,000.00
2025	AVO	RW 5-23	6110	AC	78,675	64	AC Restoration	\$ 551,000.00
2027	AVO	TW B	202	AC	6,624	64	AC Restoration	\$ 47,000.00

Statewide Airfield Pavement Management Program



Appendix C

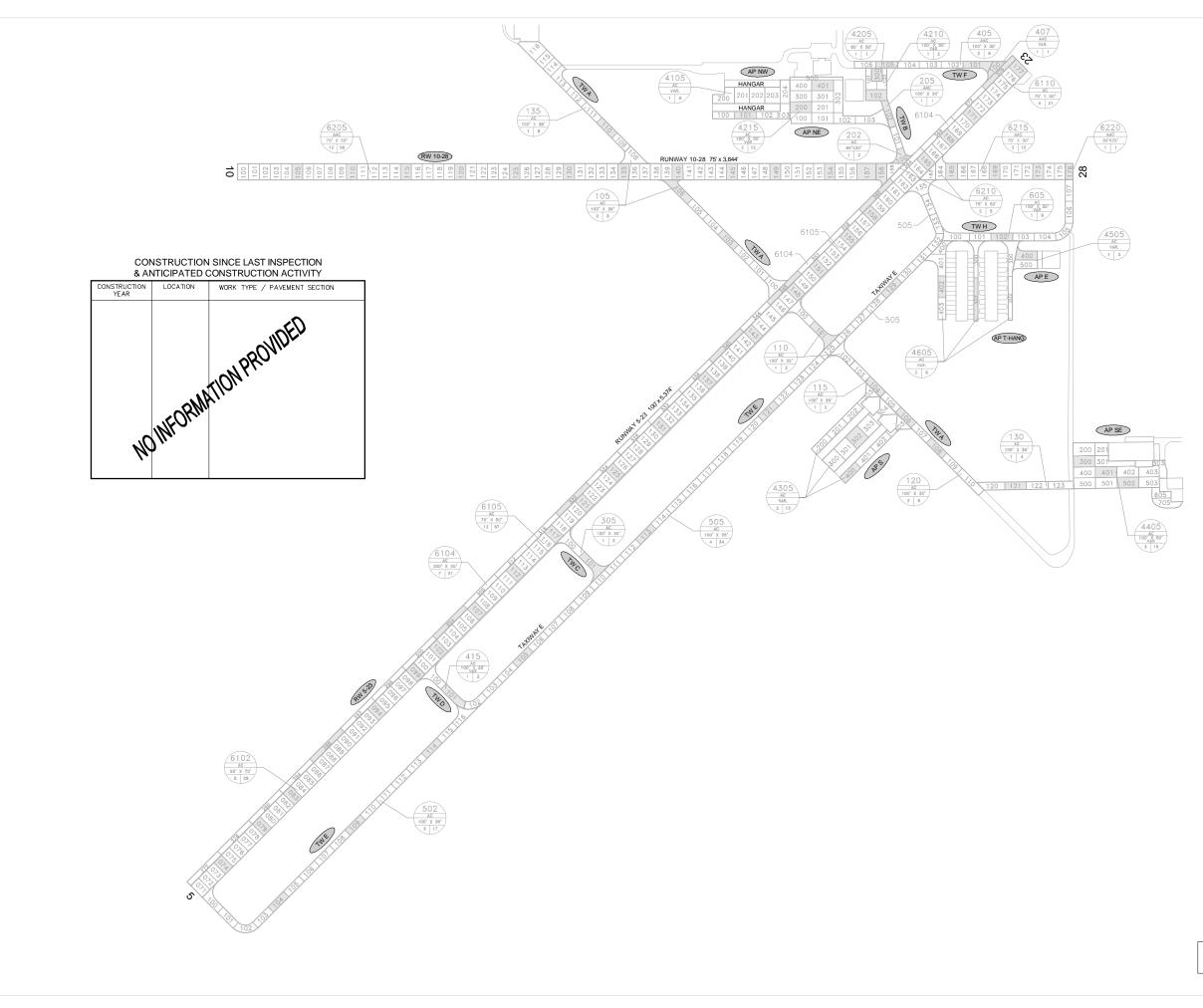
Technical Exhibits



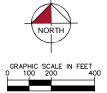




FDOT



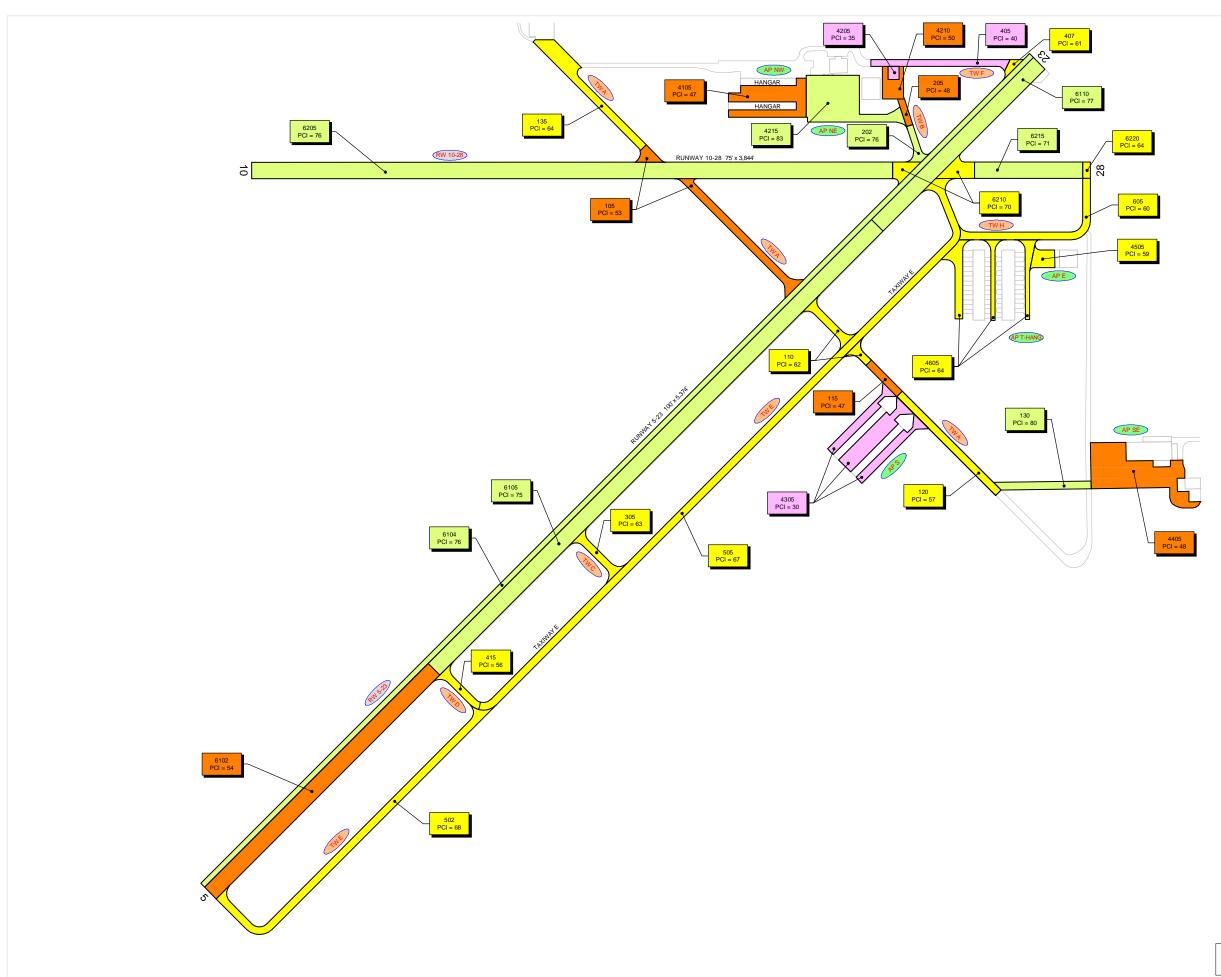




LEGEND

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

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





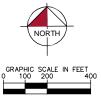


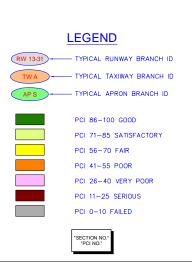
 Statewide Airfield Pavement
 Airport Pavement Evaluation Report

 Management Program
 ZO17

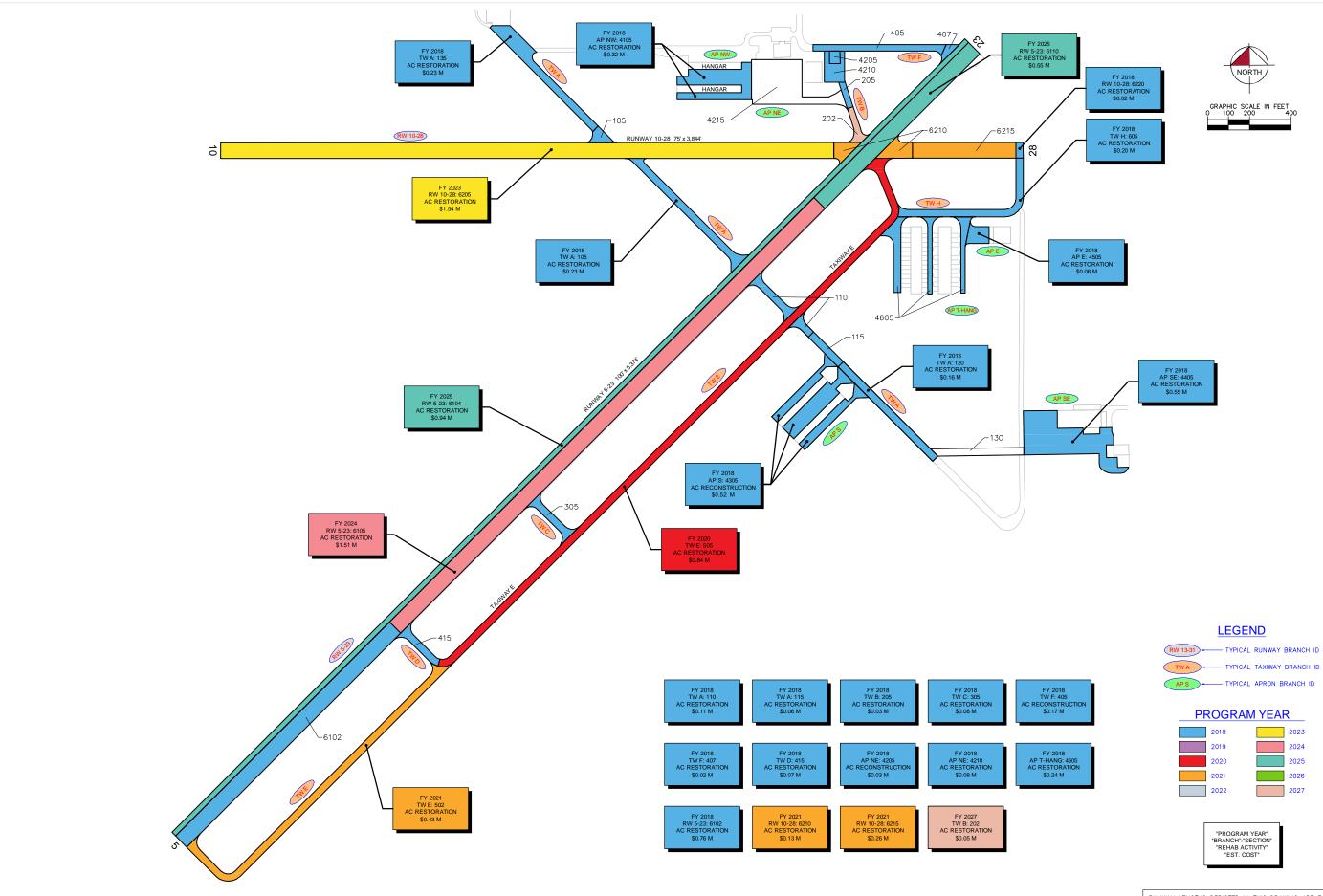
 AVON PARK EXECUTIVE AIRPORT - AVO

FDOT





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



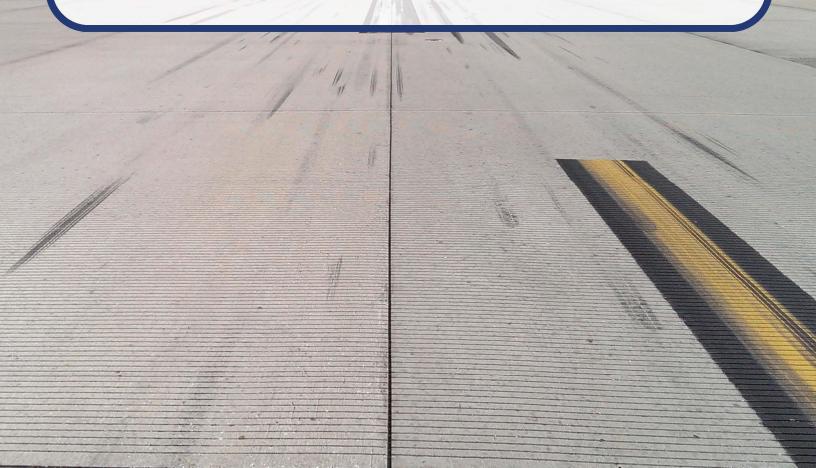
RUNWAY LENGTHS DEPICTED IN THIS DRAWING ARE FOR PAVEMENT MANAGEMENT PURPOSES ONLY AND MAY NOT MATCH PUBLISHED RUNWAY LENGTHS.

Statewide Airfield Pavement Management Program



Appendix D

Inspection Photograph Documentation



Avon Park Executive Airport (AVO)



Runway 5-23, Section 6102, Sample Unit 074 - Low Severity (52) Raveling, Medium Severity (52) Raveling



Runway 5-23, Section 6102, Sample Unit 099 – Medium Severity (48) Longitudinal and Transverse Cracking, Low Severity (45) Depression, Low Severity (52) Raveling

Avon Park Executive Airport (AVO)



Runway 5-23, Section 6105, Sample Unit 121 - Low Severity (52) Raveling, Low Severity (57) Weathering



Runway 5-23, Section 6105, Sample Unit 151 - Low Severity (52) Raveling, Medium Severity (52) Raveling





Runway 5-23, Section 6105, Sample Unit 177 – Low Severity (48) Longitudinal and Transverse Cracking, Low Severity (52) Raveling, Low Severity (57) Weathering



Runway 10-28, Section 6205, Sample Unit 105 – Low Severity (48) Longitudinal and Transverse Cracking, Low Severity (52) Raveling, Low Severity (57) Weathering





Runway 10-28, Section 6205, Sample Unit 130 – Low Severity (43) Block Cracking, Low Severity (48) Longitudinal and Transverse Cracking, Low Severity (57) Weathering



Runway 10-28, Section 6205, Sample Unit 157 – Low Severity (48) Longitudinal and Transverse Cracking, Low Severity (57) Weathering

Airport Pavement 2017 Evaluation Report Avon Park Executive Airport (AVO)



Runway 10-28, Section 6220, Sample Unit 176 – Medium Severity (48) Longitudinal and Transverse Cracking, Low Severity (52) Raveling, Low Severity (57) Weathering



Taxiway A, Section 135, Sample Unit 110 - Low Severity (48) Longitudinal and Transverse Cracking, Low Severity (52) Raveling

Airport Pavement Evaluation Report **2017**





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Taxiway A, Section 105, Sample Unit 103 - Medium Severity (43) Block Cracking, Low Severity (52) Raveling



Taxiway A, Section 120, Sample Unit 108 - Low Severity (48) Longitudinal and Transverse Cracking, Low Severity (52) Raveling





Taxiway E, Section 502, Sample Unit 104 – Low Severity (48) Longitudinal and Transverse Cracking, Low Severity (52) Raveling, Low Severity (57) Weathering



Taxiway E, Section 505, Sample Unit 113 – Low Severity (48) Longitudinal and Transverse Cracking, Low Severity (52) Raveling, Low Severity (57) Weathering



Taxiway E, Section 505, Sample Unit 129 – Low Severity (48) Longitudinal and Transverse Cracking, Low Severity (52) Raveling, Low Severity (57) Weathering



Apron NW, Section 4105, Sample Unit 101 – Low Severity (43) Block Cracking, Medium Severity (43) Block Cracking, Low Severity (52) Raveling

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Airport Pavement 2017 Evaluation Report







Apron NE, Section 4215, Sample Unit 200 - Low Severity (45) Depression, Low Severity (57) Weathering



Apron T-Hangar, Section 4605, Sample Unit 402 – Low Severity (45) Depression, Low Severity (52) Raveling, Medium Severity (52) Raveling

Airport Pavement 2017 Evaluation Report Avon Park Executive Airport (AVO)



South Apron, Section 4305, Sample Unit 302 - Low Severity (41) Alligator Cracking, Medium Severity (52) Raveling



Apron SE, Section 4405, Sample Unit 300 – Low Severity (43) Block Cracking, Low Severity (45) Depression, Low Severity (52) Raveling

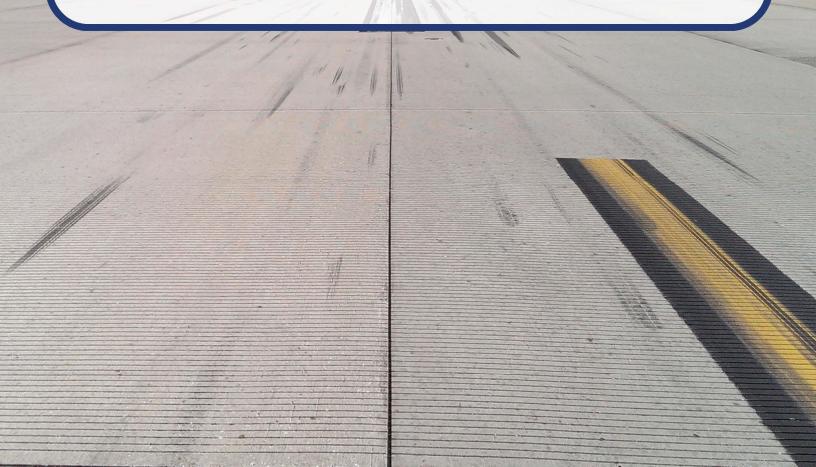
Appendix D D-10

Statewide Airfield Pavement Management Program



Appendix E

Inspection Distress Details



Re-Inspection Report

FDOT												D 1 600
Generated Dat	te		7/26/2017									Page 1 of 33
Network:	AVO				Nan	ne: AV	ON PARK EX	XECUTIVE A	IRPORT			
Branch:	AP E		Name:	EAST	APRO	N	Use:	APRON	Ar	rea:	8,514 SqFt	
Section: 450)5	o	f 1	From:	-			To: -			Last Const.	: 1/1/2003
Surface: AC		Family:	C9N59-GA	-AP-AC	Zon	e:		Categor	y:		Rank: P	
Area:	8	8,514 SqFt	Lengt	h:	115 F	Ft	Width:	80	Ft			
Slabs:		Slab Len	gth:	Ft		Slab Width:		Ft		Joint Length:		Ft
Shoulder:		Street Ty	ype:			Grade: 0				Lanes: 0		
Section Comm	ents:											
Work Date: 1	/1/2003	W	ork Type: N	ew Construction	on - Init	ial	C	ode: NU-IN		Is Major N	M&R: True	
Last Insp. Dat	e: 4/3/20)17	Tot	alSamples:	2		Surveye	d: 1				
Conditions:	PCI:	59										
Inspection Co	mments:											
Sample Numb	er: 400	Тур	e: R	A	rea:	4167	7.00 SqFt	PC	I: 59			
Sample Comm	ients:											
45 DEPRE	SSION		L	400.00	SqFt							
48 L&TO	CR		L	25.00	Ft							
52 RAVEI	LING		L	4159.00	SqFt							
52 RAVEI	LING		М	8.00	SqFt							

Network: AVO			Name	e: AVON PARK E	XECUTIVE AIRPOR	T	
Branch: AP N	E	Name:	NE APRON	Use:	APRON	Area:	74,923 SqFt
Section: 4205	0	f 3	From: -		То: -		Last Const.: 1/1/1992
Surface: AC	Family:	C9N59-GA-A	P-AC Zone	:	Category:		Rank: P
Area:	3,000 SqFt	Length:	60 Ft	Width:	50 Ft		
Slabs:	Slab Ler	ıgth:	Ft	Slab Width:	Ft	Joint Length:	Ft Ft
Shoulder:	Street T	ype:		Grade: 0		Lanes: 0	
Section Comments:							
Work Date: 1/1/199	92 W	ork Type: BUI			Code: IMPORTED	Is Major	M&R: True
				e		15 1110/01	with inde
Last Insp. Date: 4			Samples: 1	Survey		15 1111/01	
-						<u> </u>	
-	/3/2017 : 35					13 14101	
Conditions: PCI Inspection Commer	/3/2017 : 35 nts:	TotalS		Survey			
Conditions: PCI Inspection Commer Sample Number:	/3/2017 : 35 nts: 300 Tyj	TotalS	Samples: 1		ed: 1		
Conditions: PCI Inspection Commer Sample Number: Sample Comments:	/3/2017 : 35 nts: 300 Tyj	TotalS pe: R	Samples: 1 Area:	Survey	ed: 1		
Conditions: PCI Inspection Commer Sample Number: Sample Comments: 43 BLOCK CR	/3/2017 : 35 hts: 300 Typ	TotalS pe: R L	Samples: 1 Area: 2923.00 SqFt	Survey	ed: 1		
Conditions: PCI Inspection Commer Sample Number: Sample Comments: 43 BLOCK CR 45 DEPRESSIO	/3/2017 : 35 hts: 300 Typ	TotalS pe: R L L	Samples: 1 Area: 2923.00 SqFt 40.00 SqFt	Survey	ed: 1		
Conditions: PCI Inspection Commer Sample Number: Sample Comments: 43 BLOCK CR 45 DEPRESSIO 50 PATCHING	/3/2017 : 35 hts: 300 Typ	TotalS pe: R L	Samples: 1 Area: 2923.00 SqFt 40.00 SqFt 77.00 SqFt	Survey	ed: 1		
Conditions: PCI Inspection Commer Sample Number: Sample Comments: 43 BLOCK CR 45 DEPRESSIO	/3/2017 : 35 hts: 300 Ty J	TotalS pe: R L L L	Samples: 1 Area: 2923.00 SqFt 40.00 SqFt	Survey	ed: 1		

Network: AVO		Name:	AVON PARK E	XECUTIVE AIRPOR	Т	
Branch: AP NE	Name:	NE APRON	Use:	APRON	Area:	74,923 SqFt
Section: 4210	of 3	From: -		To: -		Last Const.: 1/1/196
Surface: AC	Family: C9N59-GA-A	P-AC Zone:		Category:		Rank: P
Area: 11,56	6 SqFt Length:	100 Ft	Width:	95 Ft		
Slabs:	Slab Length:	Ft Sla	b Width:	Ft	Joint Lengt	h: Ft
Shoulder:	Street Type:	Gra	ade: 0		Lanes: ()
Section Comments:						
Work Date: 1/1/1969	Work Type: OVI	ERLAY	С	ode: IMPORTED	Is Majo	r M&R: True
Work Date: 1/1/1969	Work Type: BUI	LT	С	ode: IMPORTED	Is Majo	r M&R: True
Last Insp. Date: 4/3/2017	Totals	Samples: 3	Surveye	ed: 1		
Conditions: PCI: 50						
Inspection Comments:						
Sample Number: 102	Type: R	Area:	4866.00 SqFt	PCI: 50		
Sample Comments:						
41 ALLIGATOR CR	L	70.00 SqFt				
43 BLOCK CR	L	790.00 SqFt				
45 DEPRESSION	L	30.00 SqFt				
48 L & T CR	L	327.00 Ft				
52 RAVELING	L	4866.00 SqFt				

Network:	AVO			Name:	AVON PARK E	XECUTIVE AIRPO	ORT	
Branch:	AP NE		Name:	NE APRON	Use:	APRON	Area:	74,923 SqFt
Section:	4215	0	f 3	From: -		То: -		Last Const.: 1/1/2007
Surface:	AC	Family:	C9N59-GA-A	P-AC Zone:		Category:		Rank: P
Area:		60,357 SqFt	Length:	300 Ft	Width:	200 Ft		
Slabs:		Slab Ler	igth:	Ft Sla	b Width:	Ft	Joint Length	: Ft
Shoulder:	:	Street T	ype:	Gra	ade: 0		Lanes: 0	
Section Co	omments:							
Work Dat	te: 1/1/2007	W	ork Type: New	Construction - AC	С	ode: NC-AC	Is Major	·M&R: True
Last Insp.	. Date: 4/3	/2017	Totals	Samples: 12	Surveye	ed: 2		
Condition	ns: PCI:	83						
Inspectior	n Comments	:						
Sample N	umber: 20	0 Ty	e: R	Area:	5000.00 SqFt	PCI:	79	
Sample C	comments:							
45 DE	EPRESSION		L	100.00 SqFt				
7J DL	LINESSION		Ľ					
	EATHERIN	G	L	5000.00 SqFt				
57 WI		3		-				
57 WH 48 L&	EATHERING	_	L L	5000.00 SqFt	5000.00 SqFt	PCI: 8	38	
57 WI 48 L & Sample No	EATHERING & T CR	_	L L	5000.00 SqFt 50.00 Ft	5000.00 SqFt	PCI: 3	38	
57 WH 48 L & Sample No Sample Co	EATHERING & T CR [umber: 40]	_	L L	5000.00 SqFt 50.00 Ft	5000.00 SqFt	PCI: 8	38	
57 WF 48 L & Sample No Sample Co 48 L &	EATHERING & T CR [umber: 40 comments:	ıl Tyj	L L De: R	5000.00 SqFt 50.00 Ft Area:	5000.00 SqFt	PCI: 8	38	

Network:	AVO			Nan	ne: AV	ON PARK E	XECUTIVE AIRP	ORT	
Branch:	AP NW		Name:	NORTHWES	Γ APRON	Use:	APRON	Area:	40,108 SqFt
Section:	4105	of	1 From	n: -			To: -		Last Const.: 1/1/1990
Surface:	AC	Family:	C9N59-GA-AP-AG	C Zon	e:		Category:		Rank: P
Area:	40,1	08 SqFt	Length:	450 F	ťt	Width:	85 Ft		
Slabs:		Slab Leng	gth:	Ft	Slab Width:	:	Ft	Joint Leng	th: Ft
Shoulder:	:	Street Ty	pe:		Grade: ()		Lanes:	0
Section Co	omments:								
Work Dat	te: 1/1/1990	Wo	ork Type: New Con	struction - Init	al	С	ode: NU-IN	Is Maj	or M&R: True
Last Insp.	. Date: 4/3/2017	,	TotalSamp	oles: 9		Surveye	d: 1		
Condition	ns: PCI: 47								
Inspectior	n Comments:								
Sample N	umber: 101	Тур	e: R	Area:	340	00.00 SqFt	PCI:	47	
Sample C	omments:								
43 BL	LOCK CR		L 30)60.00 SqFt					
	LOCK CR			340.00 SqFt					
52 RA	AVELING		L 34	400.00 SqFt					

	AVO				Na	me: AVG	ON PARK EX	ECUTIVE AIR	PORT			
Branch:	AP S		Name:	SOUT	H APR	RON	Use:	APRON	Area:	4	57,173 SqFt	
Section:	4305	of	1	From:	-			To: -			Last Const.:	1/1/2000
Surface:	AC	Family:	C9N59-GA-	AP-AC	Zoi	ne:		Category:			Rank: P	
Area:		57,173 SqFt	Length	:	350	Ft	Width:	160 Ft				
Slabs:		Slab Leng	th:	Ft		Slab Width:		Ft		Joint Length:	Ft	
Shoulder	:	Street Typ	be:			Grade: 0]	Lanes: 0		
Section C	Comments:											
Work Da	te: 1/1/2000	Woi	rk Type: Ne	w Construction	on - Ini	tial	Co	ode: NU-IN		Is Major N	I&R: True	
Last Insp Conditior	Date: 4/3/ ns: PCI:	2017 30	Total	Samples:	13		Surveye	d: 2				
Inspection	n Comments	:										
						5775	5.00 SqFt	DCI	20			
Sample N	umber: 30	2 Type	: R	A	rea:	5775	5.00 SqFt	PCI:	28			
•	Aumber: 30 Comments:	2 Type Sample has beer size standards					-		28			
Sample C		Sample has beer size standards		n previous in	specito		-		28			
Sample C 41 AI	Comments:	Sample has beer size standards	n updated from		specito SqFt		-		28			
Sample C 41 AI 43 BI	Comments: LLIGATOR (Sample has beer size standards	updated from	n previous in 11.00	specito SqFt SqFt		-		28			
Sample C 41 AI 43 BI 45 DI 48 L	Comments: LLIGATOR (LOCK CR EPRESSION & T CR	Sample has beer size standards	L L L L L L	n previous in 11.00 4400.00 11.00 45.00	specito SqFt SqFt SqFt SqFt Ft		-		28			
Sample C 41 AI 43 BI 45 DI 48 L	Comments: LLIGATOR (LOCK CR EPRESSION	Sample has beer size standards	L L L L	n previous in 11.00 4400.00 11.00	specito SqFt SqFt SqFt SqFt Ft		-		28			
Sample C 41 AI 43 BI 45 DI 48 L & 52 RA	Comments: LLIGATOR (LOCK CR EPRESSION & T CR	Sample has beer size standards CR	L L L L L M	n previous in 11.00 4400.00 11.00 45.00 5775.00	specito SqFt SqFt SqFt SqFt Ft	on to comply wit	-					
Sample C 41 AI 43 BI 45 DI 48 L 52 RA Sample N	Comments: LLIGATOR (LOCK CR EPRESSION & T CR AVELING	Sample has beer size standards CR	L L L L L M	n previous in 11.00 4400.00 11.00 45.00 5775.00	specito SqFt SqFt SqFt Ft SqFt SqFt	on to comply wit	h ASTM sam	ple				
41 AI 43 BI 45 DI 48 L 52 RA Sample N Sample C	Comments: LLIGATOR (LOCK CR EPRESSION & T CR AVELING Jumber: 40	Sample has beer size standards CR	L L L L L M	n previous in 11.00 4400.00 11.00 45.00 5775.00	specito SqFt SqFt SqFt Ft SqFt Area:	on to comply wit	h ASTM sam	ple				
41 AI 43 BI 45 DI 48 L 52 RA Sample N Sample C 43 BI	Comments: LLIGATOR (LOCK CR EPRESSION & T CR A VELING Number: 40 Comments:	Sample has beer size standards CR	L L L L M : R	n previous in 11.00 4400.00 11.00 45.00 5775.00	specito SqFt SqFt SqFt SqFt Area:	on to comply wit	h ASTM sam	ple				

Network:	AVO			Na	ne: AVO	N PARK EX	ECUTIVE AIR	PORT			
Branch:	AP SE		Name:	SE APRON		Use:	APRON	Area:	7	71,243 SqFt	
Section:	4405	of 1	Fr	om: -			To: -			Last Const.:	1/1/2000
Surface:	AC Fa	mily: C9N	59-GA-AP-	AC Zoi	ie:		Category:			Rank: P	
Area:	71,243 S	qFt	Length:	375	Ft	Width:	175 Ft				
Slabs:	S	lab Length:		Ft	Slab Width:		Ft	Joir	nt Length:	Ft	
Shoulder:	S	treet Type:			Grade: 0			Lar	nes: 0		
Section Co	omments:										
Work Dat	e: 1/1/2000	Work T	ype: New C	onstruction - Ini	tial	Co	ode: NU-IN		Is Major N	I&R: True	
Last Insp.	Date: 4/3/2017		TotalSa	nples: 15		Surveyee	d: 3				
Condition	s: PCI: 48										
Inspection	n Comments:										
Sample N	umber: 300	Type:	R	Area:	5000.	00 SqFt	PCI:	46			
Sample Co	omments: Fog sea	al									
43 BL	OCK CR	L		4995.00 SqFt							
	PRESSION	L		250.00 SqFt							
	TCHING	Ν		5.00 SqFt							
52 RA	VELING	L	4	4995.00 SqFt							
Sample N	umber: 401	Type:	R	Area:	5000.	00 SqFt	PCI:	49			
Sample Co	omments: Fog sea	al									
43 BL	OCK CR	L		5000.00 SqFt							
45 DE	PRESSION	L		69.00 SqFt							
52 RA	VELING	L		4980.00 SqFt							
52 RA	VELING	Ν	1	20.00 SqFt							
Sample N	umber: 502	Type:	R	Area:	5000.	00 SqFt	PCI:	49			
Sample Co	omments: Fog sea	al									
52 RA	VELING	Ν	4	60.00 SqFt							
43 BL	OCK CR	L		5000.00 SqFt							
	PRESSION	L		60.00 SqFt							
10 01											

	ork: AVO			Nan	ne: AV	ON PARK E	XECUTIVE AIRPO	RT		
Brane	ch: AP T-H	ANG	Name:	APRON T-HA	ANG	Use:	TAXILANE	Area:	33,849 SqFt	
Sectio	on: 4605	of	1 1	rom: -			То: -		Last Const.:	1/1/2003
Surfa	ce: AC	Family:	C9N59-GA-TV	V-AC Zon	e:		Category:		Rank: P	
Area:	:	33,849 SqFt	Length:	370 H	Ft	Width:	80 Ft			
Slabs	:	Slab Len	gth:	Ft	Slab Width:		Ft	Joint Ler	ngth: Ft	
Shoul	lder:	Street Ty	pe:		Grade: 0			Lanes:	0	
Sectio	on Comments:									
Work	x Date: 1/1/1900	We	ork Type: New	Construction - Init	ial	C	code: NU-IN	Is Ma	ajor M&R: True	
Work	A Date: 1/1/2003	We	ork Type: Com	olete Reconstruction	on - AC	С	code: CR-AC	Is Ma	ajor M&R: True	
-	ection Comments:									
	do Numbore 301) Twn	A R	Aron	400	0.00 SaFt	PCI: 6	50		
-	ole Number: 302 ole Comments:			Area: previous inspectio		0.00 SqFt th ASTM sar	PCI: 6	59		
Samp		Sample has bee						59		
Samp 48	ole Comments:	Sample has bee	en updated from	previous inspectio				9		
Samp 48 50 52	le Comments: L & T CR PATCHING RAVELING	Sample has bee	en updated from L L L	previous inspectio 152.00 Ft 180.00 SqFt 376.00 SqFt				9		
Samp 48 50 52 52	L & T CR PATCHING RAVELING RAVELING	Sample has bee	en updated from L L L M	previous inspectio 152.00 Ft 180.00 SqFt 376.00 SqFt 60.00 SqFt				9		
Samp 48 50 52 52 52 54	L & T CR PATCHING RAVELING RAVELING SHOVING	Sample has bee size standards	en updated from L L L M L L	previous inspectio 152.00 Ft 180.00 SqFt 376.00 SqFt 60.00 SqFt 19.00 SqFt	n to comply wi	th ASTM sar	nple			
Samp 48 50 52 52 54 Samp	L & T CR PATCHING RAVELING RAVELING SHOVING Die Number: 402	Sample has bee size standards	en updated from L L L M L L	previous inspectio 152.00 Ft 180.00 SqFt 376.00 SqFt 60.00 SqFt	n to comply wi					
Samp 48 50 52 52 54 Samp	L & T CR PATCHING RAVELING RAVELING SHOVING	Sample has bee size standards	en updated from L L L M L L	previous inspectio 152.00 Ft 180.00 SqFt 376.00 SqFt 60.00 SqFt 19.00 SqFt	n to comply wi	th ASTM sar	nple			
Samp 48 50 52 52 54 Samp Samp	L & T CR PATCHING RAVELING RAVELING SHOVING Die Number: 402	Sample has bee size standards	en updated from L L L M L L	previous inspectio 152.00 Ft 180.00 SqFt 376.00 SqFt 60.00 SqFt 19.00 SqFt	n to comply wi	th ASTM sar	nple			
Samp 48 50 52 52 54 Samp Samp 45	L & T CR PATCHING RAVELING RAVELING SHOVING ble Number: 402 ble Comments:	Sample has bee size standards	en updated from L L L M L e: R	previous inspectio 152.00 Ft 180.00 SqFt 376.00 SqFt 60.00 SqFt 19.00 SqFt Area:	n to comply wi	th ASTM sar	nple			
48 50 52 52 54 Samp	L & T CR PATCHING RAVELING SHOVING ble Number: 402 ble Comments: DEPRESSION L & T CR RAVELING	Sample has bee size standards	en updated from L L M L e: R L	previous inspectio 152.00 Ft 180.00 SqFt 376.00 SqFt 60.00 SqFt 19.00 SqFt Area: 210.00 SqFt 102.00 Ft 345.00 SqFt	n to comply wi	th ASTM sar	nple			
Samp 48 50 52 52 54 Samp 45 48	L & T CR PATCHING RAVELING RAVELING SHOVING ble Number: 402 ble Comments: DEPRESSION L & T CR	Sample has bee size standards	en updated from L L M L e: R L L	previous inspectio 152.00 Ft 180.00 SqFt 376.00 SqFt 60.00 SqFt 19.00 SqFt Area: 210.00 SqFt 102.00 Ft	n to comply wi	th ASTM sar	nple			

Noter	rk: AVO			NT -	me: AVC	NDADE	VECU	TIVE AIRPOF			
Netwo			Name					NWAY		278 001 0 5	
Branc			Name:		10-28	Use:			Area:	278,901 SqFt	
Section		of 4		From: -				Го: -		Last Const.:	12/1/2006
Surfac		•			ne:	Width:	(Category: 75 Ft		Rank: S	
Area: Slabs:	220,324 SqF		Lengt	h: 2,900 Ft	Slab Width:	wiath:	1	75 Ft Ft	Isint I snath	ı : Ft	
Stabs: Should		o Length: eet Type:		Ft	Grade: 0		1	FL	Joint Length		
	n Comments:	et Type:			Graue: 0				Lanes: 0		
	Date: 1/1/1942			VERLAY				IMPORTED	-	M&R: True	
	Date: 1/1/1942		Type: B		-			IMPORTED	-	M&R: True	
Work	Date: 12/1/2006	Work	Гуре: М	ILL and OVERLAY		C	ode:	ML-OV	Is Major	M&R: True	
Last In	nsp. Date: 4/3/2017		Tota	alSamples: 58		Surveye	ed: 1	2			
Condi											
Inspec	tion Comments:										
Sampl	e Number: 105	Type:	R	Area:	3750	.00 SqFt		PCI: 79)		
Sampl	e Comments:										
48	L & T CR		L	123.00 Ft							
52 57	RAVELING WEATHERING		L L	215.00 SqFt 3535.00 SqFt							
	e Number: 110	Туре:	R	Area:		.00 SqFt		PCI: 84	l		
-	e Comments:	- J pc.	iv.	Aiva.	5750			1 (1, 07			
48	L & T CR		L	83.00 Ft							
48 52	RAVELING		L L	47.00 Ft 47.00 SqFt							
57	WEATHERING		L	3703.00 SqFt							
_	e Number: 115	Type:	R	Area:	3750	.00 SqFt		PCI: 69)		
Sampl	e Comments:										
56	SWELLING		L	25.00 SqFt							
48 52	L & T CR RAVELING		L L	343.00 Ft 50.00 SqFt							
52 52	RAVELING		M	3.00 SqFt							
Sampl	e Number: 120	Type:	R	Area:	3750	.00 SqFt		PCI: 61			
Sampl	e Comments:										
48	L & T CR		L	300.00 Ft							
48 52	L & T CR RAVELING		M L	106.00 Ft							
52 57	WEATHERING		L L	1134.00 SqFt 2616.00 SqFt							
56	SWELLING		L	50.00 SqFt							
-	e Number: 125	Type:	R	Area:	3750	.00 SqFt		PCI: 81			
Sampl	e Comments:										
48	L & T CR		L	175.00 Ft							
57	WEATHERING	T	L	3750.00 SqFt		00.0.5					
_	e Number: 130	Type:	R	Area:	3750	.00 SqFt		PCI: 64	ł		
_	e Comments:										
43 48	BLOCK CR L & T CR		L L	900.00 SqFt 50.00 Ft							
48 48	L&TCR		L M	73.00 Ft							
52	RAVELING		L	47.00 SqFt							
57	WEATHERING	T	L	3703.00 SqFt		00.0.5		BOI CO			
-	e Number: 135	Туре:	R	Area:	3750	.00 SqFt		PCI: 79	1		
_	e Comments:		_								
48 52	L & T CR RAVELING		L L	149.00 Ft 50.00 SqFt							
52 57	WEATHERING		L	3700.00 SqFt						E-9	

Sample Number: 140	Type: R	Area:	3750.00 SqFt	PCI: 75	
Sample Comments:					
48 L & T CR	L	258.00 Ft			
52 RAVELING	L	24.00 SqFt			
57 WEATHERING	L	3726.00 SqFt			
Sample Number: 145	Type: R	Area:	3750.00 SqFt	PCI: 90	
Sample Comments:					
48 L & T CR	L	23.00 Ft			
57 WEATHERING	L	3750.00 SqFt			
Sample Number: 149	Type: R	Area:	3750.00 SqFt	PCI: 90	
Sample Comments:					
48 L & T CR	L	12.00 Ft			
57 WEATHERING	L	3750.00 SqFt			
Sample Number: 154	Type: R	Area:	3750.00 SqFt	PCI: 71	
Sample Comments:					
48 L & T CR	L	50.00 Ft			
52 RAVELING	L	1550.00 SqFt			
57 WEATHERING	L	2200.00 SqFt			
Sample Number: 157	Type: R	Area:	6574.00 SqFt	PCI: 73	
Sample Comments:					
48 L & T CR	L	377.00 Ft			
48 L & T CR	М	10.00 Ft			
52 RAVELING	L	30.00 SqFt			
57 WEATHERING	L	6544.00 SqFt			

Network:	AVO				Name: A	VON PARK E	XECU	JTIVE AIRPOR	Г			
Branch:	RW 10-28		Name:	RUNWA	Y 10-28	Use:	RU	NWAY	Area:	278,90	1 SqFt	
Section:	6210	of 4	F	From: -				То: -		Las	st Const.:	1/1/2001
Surface:	AC	Family: C91	159-GA-RV	W-AC	Zone:			Category:		Ra	nk: S	
Area:	18,82	7 SqFt	Length:	2	50 Ft	Width:		75 Ft				
Slabs:		Slab Length:		Ft	Slab Width	:		Ft	Joint Len	gth:	F	t
Shoulder:		Street Type:			Grade:	0			Lanes:	0		
Section Co	omments:											
Work Dat	te: 1/1/1985	Work T	ype: OVE	RLAY		(Code:	IMPORTED	Is Ma	njor M&R	: True	
Work Dat	te: 1/1/1985	Work I	ype: BUIL	LT		(Code:	IMPORTED	Is Ma	njor M&R:	: True	
Work Dat	te: 1/1/2001	Work T	ype: Com	plete Reconstr	action - AC	(Code:	CR-AC	Is Ma	njor M&R	: True	
Last Insp.	Date: 4/3/2017		TotalSa	amples: 5		Survey	ed: 2	!				
Condition	s: PCI: 70											
Inspection	n Comments:											
Sample Nu	umber: 158	Type:	R	Are	a: 42	26.00 SqFt		PCI: 77				
Sample Co	omments:											
48 L &	& T CR]		173.00 Ft								
52 RA	VELING]	_	223.00 Sc	IFt							
57 WE	EATHERING]		4003.00 Sc	lFt							
Sample Nu	umber: 165	Type:	R	Are	a: 41	30.00 SqFt		PCI: 63				
Sample Co	omments:											
48 L &	& T CR]		454.00 Ft								
52 RA	VELING]	Ĺ	962.00 Sc	lFt							
	EATHERING	1		3168.00 Sc	-							
56 SW	VELLING	1	Ľ	25.00 Sc	lEt							

Network:	AVO					Name:	AVON I	ARK EX	ECUTIVE AIRPO	ORT			
Branch:	RW 10-28		N	ame:	RUNW	AY 10-28		Use:	RUNWAY	Area:		278,901 SqFt	
Section:	6215	of	4	Fr	o m: -				То: -			Last Const.:	12/1/2006
Surface:	AAC	Family:	C9N5 APC	9-GA-RW-	AAC-	Zone:			Category:			Rank: S	
Area:	37,12	5 SqFt	1	Length:		495 Ft	Wi	dth:	75 Ft				
Slabs:		Slab Len	gth:		Ft	Slab V	Width:		Ft	Joint	Length:	F	't
Shoulder:		Street Ty	pe:			Grade	e: 0			Lane	es: 0		
Section Con	mments:												
Work Date	: 1/1/1942	Wo	ork Tyj	e: BUILT				Co	de: IMPORTED]	s Major	M&R: True	
Work Date	: 1/1/1969	Wo	ork Tyj	oe: OVERI	LAY			Co	de: IMPORTED]	s Major	M&R: True	
Work Date	: 12/1/2006	Wo	ork Typ	be: MILL a	and OVER	LAY		Co	de: ML-OV]	s Major	M&R: True	
Last Insp. I	Date: 4/3/2017			TotalSan	nples: 1	0		Surveyed	: 2				
Conditions	: PCI: 71												
Inspection	Comments:												
Sample Nu	mber: 169	Тур	e:	R	A	rea:	3750.00	SqFt	PCI: 0	59			
Sample Co	mments:												
48 L &	T CR		L		252.00	Ft							
	T CR		Μ		50.00								
	VELING		L		50.00	-							
	ATHERING		L		3700.00	•							
Sample Nu Sample Co	mber: 173 mments:	Тур	e:	R	A	rea:	3750.00	SqFt	PCI: 7	74			
48 L&	T CR		L		244.00	Ft							
	T CR VELING		L L		244.00 50.00								

Network:	AVO				Name:	AVON PAR	K EXEC	UTIVE AIRPO	RT		
Branch:	RW 10-28	;	Name:	RUNWA	Y 10-28	U	se: RI	JNWAY	Area:	278,901 SqFt	
Section:	6220	0	f 4	From: -				To: -		Last Const.:	12/1/2006
Surface:	AAC	Family:	C9N59-GA-	RW-AC	Zone:			Category:		Rank: S	
Area:	2	2,625 SqFt	Length	:	34 Ft	Width		75 Ft			
Slabs:		Slab Ler	ngth:	Ft	Slab V	Width:		Ft	Joint Len	gth: F	t
Shoulder:		Street T	ype:		Grade	e: 0			Lanes:	0	
Section Co	omments:										
Work Dat	te: 1/1/1942	w	ork Type: BU	ILT			Code:	IMPORTED	Is Ma	jor M&R: True	
Work Dat	te: 12/1/2006	W	ork Type: MI	LL and OVERL	AY		Code:	ML-OV	Is Ma	jor M&R: True	
Last Insp.	Date: 4/3/20)17	Tota	Samples: 1		Sur	veyed:	1			
Condition	s: PCI: (54									
Inspection	n Comments:										
Sample Nu	umber: 176	Tyj	pe: R	Are	a:	2625.00 SqF	t	PCI: 64	4		
Sample Co	omments:										
48 L&	& T CR		L	225.00 F	t						
48 L&	& T CR		М	50.00 F	t						
52 RA	VELING		L	340.00 S	qFt						
57 WE	EATHERING		L	2285.00 S	aFt						

Network: AVO		Name:	AVON PARK EXEC	UTIVE AIRPOR	т
Branch: RW 5-23	Name:	RUNWAY 5-23		UNWAY	Area: 537,400 SqFt
			Use. K	To: -	Last Const.: 1/1/2001
		From: -			
Surface: AC Fam	•		XX71 1/1	Category:	Rank: P
Area: 108,750 SqF	-	1,450 Ft	Width:	75 Ft	
	b Length:	Ft Slab W		Ft	Joint Length: Ft
	eet Type:	Grade:	0		Lanes: 0
Section Comments:					
Work Date: 1/1/1997	Work Type: OVE	RLAY	Code:	IMPORTED	Is Major M&R: True
Work Date: 1/1/1997	Work Type: BUII	.T	Code:	IMPORTED	Is Major M&R: True
Work Date: 1/1/2001	Work Type: Com	plete Reconstruction - AC	Code:	CR-AC	Is Major M&R: True
Last Insp. Date: 4/3/2017	TotalS	amples: 29	Surveyed:	5	
Conditions: PCI: 54					
Inspection Comments:					
Sample Number: 74	Type: R	Area:	3750.00 SqFt	PCI: 52	
Sample Comments:					
52 RAVELING	М	250.00 SqFt			
48 L & T CR	L	269.00 Ft			
52 RAVELING	L	3500.00 SqFt			
56 SWELLING	L	1000.00 SqFt			
Sample Number: 79	Type: R	Area:	3750.00 SqFt	PCI: 49	
Sample Comments:					
52 RAVELING	М	550.00 SqFt			
48 L & T CR	L	164.00 Ft			
52 RAVELING	L	3200.00 SqFt			
56 SWELLING	L	900.00 SqFt			
Sample Number: 83	Type: R	Area:	3750.00 SqFt	PCI: 59	
Sample Comments:					
48 L & T CR	L	146.00 Ft			
52 RAVELING	L	3735.00 SqFt			
52 RAVELING56 SWELLING	M L	15.00 SqFt 250.00 SqFt			
			3750.00 SqFt	PCI: 59	
Sample Number: 94	Type: R	Area:	3750.00 SqFt	rci. 39	
Sample Comments:					
48 L & T CR	L	194.00 Ft			
52 RAVELING	L	3728.00 SqFt			
52 RAVELING 56 SWELLING	M L	22.00 SqFt 500.00 SqFt			
Sample Number: 99	Type: R	Area:	3750.00 SqFt	PCI: 50	
Sample Comments:	V K ***		1	00	
48 L & T CR	М	75.00 Ft			
45 DEPRESSION	L	136.00 SqFt			
48 L & T CR	L	158.00 Ft			
52 RAVELING	L	3750.00 SqFt			
56 SWELLING	L	800.00 SqFt			

Network: AVO		Name:	AVON PARK EX	ECUTIVE AIRPOR	Γ
Branch: RW 5-23	Name:	RUNWAY 5-23	Use:	RUNWAY	Area: 537,400 SqFt
Section: 6104	of 4 F	rom:		То:	Last Const.: 1/1/2001
Surface: AC	Family: C9N59-GA-RW	AC Zone:		Category:	Rank: P
Area: 134,35	50 SqFt Length:	4,920 Ft	Width:	25 Ft	
Slabs:	Slab Length:	Ft Slab V	Vidth:	Ft	Joint Length: Ft
Shoulder:	Street Type:	Grade	:: 0		Lanes: 0
Section Comments:					
Work Date: 1/1/2001	Work Type: New C	Construction - Initial	Co	de: NU-IN	Is Major M&R: True
Last Insp. Date: 4/3/2017	TotalSa	mples: 27	Surveyed	l: 7	
Conditions: PCI: 76					
Inspection Comments:					
Sample Number: 288	Type: R	Area:	5000.00 SqFt	PCI: 82	
Sample Comments:					
48 L & T CR	L	34.00 Ft			
52 RAVELING	L M	500.00 SqFt			
52 RAVELING Sample Number: 304	Type: R	5.00 SqFt Area:	5000.00 SqFt	PCI: 80	
Sample Comments:	Туре: К	Area:	5000.00 SqFt	rci: 80	
-	_	.			
48 L & T CR52 RAVELING	L L	54.00 Ft 500.00 SqFt			
57 WEATHERING	L	4500.00 SqFt			
Sample Number: 320	Type: R	Area:	5000.00 SqFt	PCI: 81	
Sample Comments:					
48 L & T CR	L	32.00 Ft			
52 RAVELING	L	500.00 SqFt			
57 WEATHERING	L Turner P	4500.00 SqFt	5000 00 SaEt	DCL. 72	
Sample Number: 340 Sample Comments:	Type: R	Area:	5000.00 SqFt	PCI: 73	
_	_				
48 L & T CR52 RAVELING	L L	307.00 Ft 500.00 SqFt			
57 WEATHERING	L	4500.00 SqFt			
Sample Number: 348	Type: R	Area:	5000.00 SqFt	PCI: 65	
Sample Comments:					
45 DEPRESSION	L	256.00 SqFt			
48 L & T CR	L	270.00 Ft			
52 RAVELING	L	500.00 SqFt			
57 WEATHERING Sample Number: 360	L Type: R	4500.00 SqFt Area:	5000.00 SqFt	PCI: 80	
Sample Comments:	Type. R	Alta.	5000.00 SqFt	FCI. 80	
48 L & T CR	L	80.00 Ft			
52 RAVELING	L	491.00 SqFt			
52 RAVELING	М	93.00 SqFt			
Sample Number: 376	Type: R	Area:	4975.00 SqFt	PCI: 73	
Sample Comments:					
48 L & T CR	L	39.00 Ft			
52 RAVELING	L	746.00 SqFt			
57 WEATHERING45 DEPRESSION	L L	4229.00 SqFt 50.00 SqFt			
	_	·····			

Network: AVO		Name:	AVON PARK EXEC	UTIVE AIRPORT	
Branch: RW 5-23	Name:	RUNWAY 5-23			Area: 537,400 SqFt
			U50, K		-
Section: 6105		rom: -		To: -	Last Const.: 1/1/2001
	Family: C9N59-GA-RW		*****	Category:	Rank: P
Area: 215,625 \$	-	2,875 Ft	Width:	75 Ft	Totad Torrestles - E4
	Slab Length:	Ft Slab Wi		Ft	Joint Length: Ft
	Street Type:	Grade:	0		Lanes: 0
Section Comments:					
Work Date: 1/1/1942	Work Type: BUILT			: IMPORTED	Is Major M&R: True
Work Date: 1/1/1969	Work Type: OVER			: IMPORTED	Is Major M&R: True
Work Date: 1/1/1969 Work Date: 1/1/2001	Work Type: OVER			: IMPORTED	Is Major M&R: True
	Work Type: Comp	lete Reconstruction - AC		: CR-AC	Is Major M&R: True
Last Insp. Date: 4/3/2017	TotalSa	mples: 57	Surveyed:	12	1
Conditions: PCI: 75					
Inspection Comments:					1
Sample Number: 102	Type: R	Area:	3750.00 SqFt	PCI: 81	
Sample Comments:					
48 L & T CR	L	100.00 Ft			
52 RAVELING	L	188.00 SqFt			
52 RAVELING	N	50.00 SqFt			
Sample Number: 107	Type: R	Area:	3750.00 SqFt	PCI: 83	
Sample Comments:					
48 L & T CR	L	73.00 Ft			
52 RAVELING57 WEATHERING	L L	188.00 SqFt 3562.00 SqFt			
Sample Number: 112	Type: R	Area:	3750.00 SqFt	PCI: 83	
Sample Comments:					
48 L & T CR	L	37.00 Ft			
52 RAVELING57 WEATHERING	L L	188.00 SqFt 3562.00 SqFt			
Sample Number: 117	Type: R	Area:	3750.00 SqFt	PCI: 78	
Sample Comments:	Type.	Aita.	3750.00 5417	101. 70	
_	-	100 00 P .			
48 L & T CR 52 RAVELING	L L	139.00 Ft 188.00 SqFt			
57 WEATHERING	L	3562.00 SqFt			
Sample Number: 121	Type: R	Area:	3750.00 SqFt	PCI: 81	
Sample Comments:					
48 L & T CR	L	100.00 Ft			
52 RAVELING	L	188.00 SqFt			
57 WEATHERING	L	3562.00 SqFt			
Sample Number: 125	Type: R	Area:	3750.00 SqFt	PCI: 83	
Sample Comments:					
48 L & T CR	L	55.00 Ft			
52 RAVELING57 WEATHERING	L L	188.00 SqFt 3562.00 SqFt			
Sample Number: 131	Type: R	Area:	3750.00 SqFt	PCI: 81	
Sample Comments:	турс. к	Aita.	5750.00 5417	i (1 , 01	
48 L & T CR	L	91.00 Ft			
52 RAVELING	L	188.00 SqFt			
57 WEATHERING	L	3562.00 SqFt			
Sample Number: 137	Type: R	Area:	3750.00 SqFt	PCI: 64	E-16
Sample Comments:					

Sample Comments:

48	L & T CR		L	67.00 Ft			
52	RAVELING		L	188.00 SqFt			
52	RAVELING		М	713.00 SqFt			
Samp	ple Number: 143	Type:	R	Area:	3750.00 SqFt	PCI: 79	
Samp	ple Comments:						
48	L & T CR		L	134.00 Ft			
52	RAVELING		L	188.00 SqFt			
57	WEATHERING		L	3562.00 SqFt			
Samp	ple Number: 148	Type:	R	Area:	3750.00 SqFt	PCI: 78	
Samp	ple Comments:						
48	L & T CR		L	138.00 Ft			
52	RAVELING		L	188.00 SqFt			
57	WEATHERING		L	3562.00 SqFt			
Samp	ple Number: 151	Type:	R	Area:	3750.00 SqFt	PCI: 68	
Samp	ple Comments:						
48	L & T CR		L	115.00 Ft			
52	RAVELING		L	332.00 SqFt			
52	RAVELING		М	430.00 SqFt			
Samp	ple Number: 155	Type:	R	Area:	3750.00 SqFt	PCI: 46	
Samp	ple Comments:						
48	L & T CR		L	100.00 Ft			
52	RAVELING		L	125.00 SqFt			
52	RAVELING		М	2500.00 SqFt			

Network: AVO		Nan	ne: AVON PARK	EXECUTIVE AIRPOR	Т
Branch: RW 5-23	Nan	ne: RUNWAY 5-	23 Use	: RUNWAY	Area: 537,400 SqFt
Section: 6110	of 4	From: -		То: -	Last Const.: 1/1/2001
Surface: AC Fa	mily: C9N59-0	GA-RW-AC Zon	e:	Category:	Rank: P
Area: 78,675 Se	qFt Le	ngth: 1,050 F	t Width:	75 Ft	
Slabs: Sl	lab Length:	Ft	Slab Width:	Ft	Joint Length: Ft
Shoulder: St	treet Type:		Grade: 0		Lanes: 0
Section Comments:					
Work Date: 1/1/1985	Work Type:	OVERLAY		Code: IMPORTED	Is Major M&R: True
Work Date: 1/1/1985	Work Type:	BUILT		Code: IMPORTED	Is Major M&R: True
Work Date: 1/1/2001	Work Type:	Complete Reconstruction	on - AC	Code: CR-AC	Is Major M&R: True
Last Insp. Date: 4/3/2017]	TotalSamples: 21	Surve	yed: 5	
Conditions: PCI: 77					
Inspection Comments:					
Sample Number: 158	Type: F	Area:	3750.00 SqFt	PCI: 69	
Sample Comments:					
48 L & T CR	L	310.00 Ft			
52 RAVELING52 RAVELING	L M	188.00 SqFt 207.00 SqFt			
Sample Number: 165	Туре: Б		3750.00 SqFt	PCI: 77	
Sample Comments:	-58				
48 L & T CR	L	118.00 Ft			
52 RAVELING	L	188.00 SqFt			
52 RAVELING	Μ	8.00 SqFt			
56 SWELLING	L	27.00 SqFt			
Sample Number: 168	Type: F	Area:	3750.00 SqFt	PCI: 81	
Sample Comments:					
48 L & T CR	L	65.00 Ft			
52 RAVELING	L	188.00 SqFt			
52 RAVELING	M	50.00 SqFt	2750 00 G E		
Sample Number: 171	Type: F	Area:	3750.00 SqFt	PCI: 74	
Sample Comments:					
48 L & T CR	L	81.00 Ft			
52 RAVELING	L	188.00 SqFt			
52 RAVELING	M Trunci I	203.00 SqFt	2675 00 S-Et	DCI. 92	
Sample Number: 177	Type: F	R Area:	3675.00 SqFt	PCI: 83	
Sample Comments:					
48 L & T CR	L	32.00 Ft			
52 RAVELING	L	188.00 SqFt			
57 WEATHERING	L	3491.00 SqFt			

Network: AVO		Name:	AVON PARK EX	ECUTIVE AIRPORT	
Branch: TW A	Name:	TAXIWAY A	Use:	TAXIWAY A	Area: 124,329 SqFt
Section: 105	of 6	From: -		То: -	Last Const.: 1/1/197
Surface: AC I	Family: C9N59-GA-T	W-AC Zone:		Category:	Rank: T
Area: 32,506	SqFt Length:	740 Ft	Width:	35 Ft	
Slabs:	Slab Length:	Ft Slab	Width:	Ft	Joint Length: Ft
Shoulder:	Street Type:	Gra	de: 0		Lanes: 0
Section Comments:					
Work Date: 1/1/1975	Work Type: OV	ERLAY	C	ode: IMPORTED	Is Major M&R: True
Work Date: 1/1/1975	Work Type: BUI	LT	C	ode: IMPORTED	Is Major M&R: True
Work Date: 12/1/2006	Work Type: Surf	ace Treatment - Slurry Se	eal Co	ode: ST-SS	Is Major M&R: False
Last Insp. Date: 4/3/2017	Total	Samples: 8	Surveye	d: 2	
Conditions: PCI: 53					
Inspection Comments:					
Sample Number: 103	Type: R	Area:	3500.00 SqFt	PCI: 49	
Sample Comments:			-		
52 RAVELING	L	3500.00 SqFt			
43 BLOCK CR	M	200.00 SqFt			
43 BLOCK CR	L	3300.00 SqFt			
Sample Number: 106	Type: R	Area:	5163.00 SqFt	PCI: 56	
Sample Comments:					
43 BLOCK CR	L	3045.00 SqFt			
48 L & T CR	L	100.00 Ft			
52 RAVELING	L	3045.00 SqFt			
57 WEATHERING	L	2118.00 SqFt			

Network: AVO		Name:	AVON PARK E	XECUTIVE AIRPOR	RT	
Branch: TW A	Name:	TAXIWAY A	Use:	TAXIWAY	Area:	124,329 SqFt
Section: 110	of 6	From: -		То: -		Last Const.: 1/1/198
Surface: AC	Family: C9N59-GA-T	W-AC Zone:		Category:		Rank: P
Area: 15,0	90 SqFt Length:	340 Ft	Width:	35 Ft		
Slabs:	Slab Length:	Ft Slab	Width:	Ft	Joint Leng	g th: Ft
Shoulder:	Street Type:	Gra	de: 0		Lanes:	0
Section Comments:						
Work Date: 1/1/1985	Work Type: OVI	ERLAY	С	ode: IMPORTED	Is Ma	jor M&R: True
Work Date: 1/1/1985	Work Type: BUI	LT	С	ode: IMPORTED	Is Ma	jor M&R: True
Last Insp. Date: 4/3/2017	7 Totals	Samples: 3	Surveye	e d: 1		
Conditions: PCI: 62						
Inspection Comments:						
Sample Number: 101	Type: R	Area:	5448.00 SqFt	PCI: 62		
Sample Comments:						
48 L & T CR	L	377.00 Ft				
48 L & T CR	М	70.00 Ft				
52 RAVELING	L	3106.00 SqFt				
52 RAVELING	М	272.00 SqFt				
		23.00 SqFt				

Network:	AVO			Na	me: AV	ON PARK E	XECUTIVE AIRPOR	RΤ	
Branch:	TW A		Name:	TAXIWAY	A	Use:	TAXIWAY	Area:	124,329 SqFt
Section:	115	0	f 6	From: -			То: -		Last Const.: 1/1/1960
Surface:	AC	Family:	C9N59-GA-T	W-AC Zo	ne:		Category:		Rank: P
Area:		7,000 SqFt	Length:	200	Ft	Width:	35 Ft		
Slabs:		Slab Len	igth:	Ft	Slab Width:		Ft	Joint Length	: Ft
Shoulder:		Street Ty	ype:		Grade: 0			Lanes: 0	
Section Co	mments:								
Work Date	:: 1/1/1960	W	ork Type: OV	ERLAY		С	ode: IMPORTED	Is Major	M&R: True
Work Date	: 1/1/1960	W	ork Type: BU	LT		С	ode: IMPORTED	Is Major	M&R: True
Last Insp.]	Date: 4/3/2	2017	Total	Samples: 2		Surveye	e d: 1		
Conditions	: PCI:	47							
Inspection	Comments:								
Sample Nu	mber: 104	Тур	pe: R	Area:	3500).00 SqFt	PCI: 47		
Sample Co	mments:								
43 BLC	OCK CR		L	3500.00 SqFt					
52 RAY	VELING		М	500.00 SqFt					
52 RAV	VELING		L	3000.00 SqFt					

Network: AVO		Name:	AVON PARK EX	XECUTIVE AIRPORT		
Branch: TW A	Name:	TAXIWAY A	Use:	TAXIWAY	Area:	124,329 SqFt
Section: 120	of 6	From: -		То: -		Last Const.: 1/1/1969
Surface: AC	Family: C9N59-GA	-TW-AC Zone:		Category:		Rank: P
Area: 22,	435 SqFt Lengt	h: 640 Ft	Width:	35 Ft		
Slabs:	Slab Length:	Ft Sl	ab Width:	Ft	Joint Length	: Ft
Shoulder:	Street Type:	G	rade: 0		Lanes: 0	
Section Comments:						
Work Date: 1/1/1969	Work Type: B	UILT	C	ode: IMPORTED	Is Major	M&R: True
Work Date: 1/1/2007	Work Type: S	urface Treatment - Slurry	Seal Co	ode: ST-SS	Is Major	M&R: False
Last Insp. Date: 4/3/201	7 Tot	alSamples: 6	Surveye	d: 2		
Conditions: PCI: 57	7					
nspection Comments:						
Sample Number: 106	Type: R	Area:	3500.00 SqFt	PCI: 57		
Sample Comments:						
3 BLOCK CR	L	494.00 SqFt				
8 L & T CR	L	252.00 Ft				
8 L & T CR	М	16.00 Ft				
2 RAVELING	L	3500.00 SqFt				
Sample Number: 108	Type: R	Area:	3500.00 SqFt	PCI: 56		
Sample Comments:						
8 L & T CR	L	210.00 Ft				
2 RAVELING	L	3500.00 SqFt				

Network:	AVO				Nam	e: AV	ON PARK E	XECUTIVE AI	RPORT			
Branch:	TW A		Name	: TAXI	WAY A		Use:	TAXIWAY	Area	a:	124,329	SqFt
Section:	130		of 6	From:	-			То: -			Last	Const.: 1/1/2000
Surface:	AC	Family:	C9N59-GA	A-TW-AC	Zone	2:		Category	/ :		Rank	к: Р
Area:		15,033 SqFt	Leng	th:	410 Ft	t	Width:	35	Ft			
Slabs:		Slab L	ength:	Ft		Slab Width:		Ft		Joint Lengt	h:	Ft
Shoulder:		Street	Гуре:			Grade: 0				Lanes: (0	
Section Co	omments:											
Work Date	e: 1/1/2000)	Work Type: 1	New Constructi	on - AC		С	ode: NC-AC		Is Majo	or M&R:	True
Last Insp.	Date: 4/3	8/2017	То	talSamples:	4		Surveye	ed: 1				
Conditions	s: PCI:	80										
Inspection	Comment	s:										
Sample Nu	imber: 12	21 T	ype: R	1	Area:	350	0.00 SqFt	PCI	[: 80			
Sample Co	omments:	Fog seal										
57 WE	EATHERIN	G	М	3500.00	SqFt							

Network:	AVO			Nam	e: AV	ON PARK E	XECUTIVE AIRPO	ORT	
Branch:	TW A		Name:	TAXIWAY A		Use:	TAXIWAY	Area:	124,329 SqFt
Section: 1	135	0	f 6 H	rom: -			To: -		Last Const.: 1/1/1990
Surface: A	AC	Family:	C9N59-GA-TW	V-AC Zone	e:		Category:		Rank: P
Area:		32,265 SqFt	Length:	700 F	t	Width:	35 Ft		
Slabs:		Slab Ler	ngth:	Ft	Slab Width:		Ft	Joint Leng	th: Ft
Shoulder:		Street T	ype:		Grade: 0			Lanes:	0
Section Con	nments:								
Work Date:	1/1/1990	W	ork Type: New	Construction - Initi	al	C	ode: NU-IN	Is Majo	or M&R: True
Work Date:	1/1/2007	W	ork Type: Surfa	ce Treatment - Sea	l Coat	С	ode: ST-SC	Is Maje	or M&R: False
Last Insp. D Conditions:	PCI:	64	TotalSa	amples: 8		Surveye	d: 1		
Inspection C			pe: R	Area:	350).00 SqFt	PCI:	64	
Sample Con		Slurry seal				1			
43 BLO	CK CR		L	316.00 SqFt					
48 L&7			L	212.00 Ft					
52 RAV	ELING		L	3500.00 SqFt					

Network:	AVO			Nar	ne: AVG	ON PARK E	XECUTIVE AIRPO	RT	
Branch:	TW B		Name:	TAXIWAY E		Use:	TAXIWAY	Area:	10,462 SqFt
Section:	202	0	f 2	From: -			То: -		Last Const.: 1/1/2002
Surface:	AC	Family:	C9N59-GA-T	W-AC Zor	e:		Category:		Rank: P
Area:		6,624 SqFt	Length:	60 1	Ft	Width:	75 Ft		
Slabs:		Slab Len	igth:	Ft	Slab Width:		Ft	Joint Length	: Ft
Shoulder:		Street Ty	ype:		Grade: 0			Lanes: 0	
Section C	omments:								
Work Dat	te: 1/1/1985	W	ork Type: BUI	LT		С	ode: IMPORTED	Is Major	M&R: True
Work Dat	te: 1/1/2001	W	ork Type: Con	plete Reconstruction	on - AC	С	ode: CR-AC	Is Major	M&R: True
Last Insp.	Date: 4/3/	2017	Totals	Samples: 2		Surveye	d: 1		
Condition	s: PCI:	76							
Inspection	n Comments	:							
Sample N	umber: 10	0 Ty	pe: R	Area:	3483	3.00 SqFt	PCI: 7	6	
Sample C	omments:								
48 L &	& T CR		L	114.00 Ft					
52 RA	VELING		L	697.00 SqFt					
57 WI	EATHERING	2	L	2786.00 SqFt					

Network:	AVO				Name:	AVC	ON PARK E	XECUTIVE AIRP	ORT		
Branch:	TW B		Name:	TAXIW	AY B		Use:	TAXIWAY	Area:	10,462 S	qFt
Section:	205	0	f 2	From: -				То: -		Last C	Const.: 1/1/1969
Surface:	AAC	Family:	C9N59-GA-7 APC	ГW-AAC-	Zone:			Category:		Rank:	Р
Area:		3,838 SqFt	Length	:	125 Ft		Width:	30 Ft			
Slabs:		Slab Ler	ngth:	Ft	Sla	b Width:		Ft	Joint Ler	ngth:	Ft
Shoulder:		Street T	ype:		Gra	ade: 0			Lanes:	0	
Section Co	omments:										
Work Dat	te: 1/1/1969	W	ork Type: OV	TERLAY			(Code: IMPORTEI	D Is Ma	ajor M&R: T	rue
Work Dat	te: 1/1/1969	W	ork Type: OV	ERLAY			(Code: IMPORTEI	D Is Ma	ajor M&R: T	rue
Work Dat	te: 1/1/1969	W	ork Type: BU	ILT			(Code: IMPORTEI	D Is Ma	ajor M&R: T	rue
Last Insp.	. Date: 4/3/	2017	Total	Samples: 1			Survey	ed: 1			
Condition	s: PCI:	48									
Inspectior	n Comments	:									
Sample N	umber: 10	2 Ty	pe: R	Ar	ea:	3838	.00 SqFt	PCI:	48		
Sample C	omments:										
52 RA	VELING		L	3070.00	SqFt						
45 DE	EPRESSION		L	139.00	-						
48 L&	& T CR		L	437.00	Ft						
52 RA	AVELING		М	768.00	SqFt						

Network:	AVO			Nam	e: AVON PARK E	EXECUTIVE AIRPOR	Т	
Branch:	TW C		Name:	TAXIWAY C	Use:	TAXIWAY	Area:	10,629 SqFt
Section:	305	0	of 1	From: -		То: -		Last Const.: 1/1/1997
Surface:	AC	Family:	C9N59-GA-T	W-AC Zone	:	Category:		Rank: P
Area:		10,629 SqFt	Length:	250 F	t Width:	35 Ft		
Slabs:		Slab Ler	ngth:	Ft	Slab Width:	Ft	Joint Length	: Ft
Shoulder:		Street T	ype:		Grade: 0		Lanes: 0	
Section C	omments:							
Work Dat	te: 1/1/1997	W	ork Type: BUI	LT	(Code: IMPORTED	Is Major	M&R: True
Last Insp.	. Date: 4/3	/2017	Totals	Samples: 2	Survey	ed: 1		
Condition	s: PCI:	63						
Inspection	n Comments	:						
	1	01 Ty	pe: R	Area:	5560.00 SqFt	PCI: 63		
Sample N	umber: 10		pc. R	mean	1			
-	omments:	i iyj	pe. R		1			
Sample C		i iy	L	492.00 Ft				
Sample C 48 L a	omments:	,			Ĩ			
48 L 8 52 RA	omments: & T CR		L	492.00 Ft	Ĩ			

Network:	AVO			Ν	ame: AV	VON PARK E	XECUTIVE AIRPO	RT	
Branch:	TW D		Name:	TAXIWAY	' D	Use:	TAXIWAY	Area:	9,159 SqFt
Section:	415	0	f 1	From: -			То: -		Last Const.: 1/1/1985
Surface:	AC	Family:	C9N59-GA-T	W-AC Z	one:		Category:		Rank: P
Area:		9,159 SqFt	Length:	230	0 Ft	Width:	34 Ft		
Slabs:		Slab Len	igth:	Ft	Slab Width:	:	Ft	Joint Length:	Ft
Shoulder:		Street Ty	ype:		Grade: (0		Lanes: 0	
Section C	omments:								
Work Dat	te: 1/1/1985	W	ork Type: New	Construction - I	nitial	С	ode: NU-IN	Is Major	M&R: True
Last Insp.	Date: 4/3/2	2017	TotalS	Samples: 2		Surveye	e d: 1		
Condition	s: PCI:	56							
Condition									
	n Comments:								
Inspection			pe: R	Area:	458	86.00 SqFt	PCI: 5	6	
Inspection Sample N	n Comments:		e: R	Area:	458	86.00 SqFt	PCI: 5	6	
Inspection Sample N Sample C	n Comments: umber: 101		pe: R L	Area: 333.00 SqF		86.00 SqFt	PCI: 5	6	
Inspection Sample N Sample C 45 DE	n Comments: umber: 101 omments:					86.00 SqFt	PCI: 5	6	
Inspection Sample N Sample C 45 DE 48 L &	n Comments: umber: 101 omments: EPRESSION		L	333.00 SqF		86.00 SqFt	PCI: 5	6	
Inspection Sample N Sample C 45 DE 48 L a 48 L a	a Comments: umber: 101 omments: EPRESSION & T CR		L L	333.00 SqF 332.00 Ft	ît	86.00 SqFt	PCI: 5	6	

Network:	AVO			Na	me: AV	ON PARK E	XECUTIVE AIRF	ORT			
Branch:	TW E		Name:	TAXIWAY I	Ξ	Use:	TAXIWAY	Area:	18	31,311 SqFt	
Section:	502	of 2]	From: -			То: -			Last Const.:	1/1/1997
Surface:	AC	Family: C9N	N59-GA-TV	W-AC Zoi	ne:		Category:			Rank: P	
Area:	61,155	SqFt	Length:	1,720	Ft	Width:	35 Ft				
Slabs:		Slab Length:		Ft	Slab Width:		Ft	Joi	nt Length:	Ft	t
Shoulder	:	Street Type:			Grade: 0			La	nes: 0		
Section C	Comments:										
Work Da	te: 1/1/1997	Work I	ype: BUII	LT		C	ode: IMPORTE	D	Is Major M	1&R: True	
Last Insp	. Date: 4/3/2017		TotalS	amples: 17		Survey	ed: 3				
Conditior	ns: PCI: 68										
Inspection	n Comments:										
Sample N	umber: 104	Type:	R	Area:	350	0.00 SqFt	PCI:	69			
Sample C	Comments:										
48 L	& T CR]	Ĺ	135.00 Ft							
52 RA	AVELING]	L	1050.00 SqFt							
	WELLING		Ĺ	200.00 SqFt							
57 W	EATHERING]	L	2450.00 SqFt							
Sample N	umber: 109	Type:	R	Area:	350	0.00 SqFt	PCI:	69			
Sample C	Comments:										
48 L	& T CR]	Ĺ	129.00 Ft							
	AVELING]	Ĺ	1050.00 SqFt							
56 SV	WELLING]	Ĺ	180.00 SqFt							
57 W	EATHERING]	L	2450.00 SqFt							
Sample N	umber: 114	Type:	R	Area:	350	0.00 SqFt	PCI:	66			
Sample C	Comments:										
48 L	& T CR	l	L	158.00 Ft							
	AVELING		Ĺ	1400.00 SqFt							
	WELLING		Ĺ	350.00 SqFt							
	EATHERING		L	2100.00 SqFt							

Network: AVO		Name:	AVON PARK EXE	CUTIVE AIRPORT	
Branch: TW E	Name:	TAXIWAY E			ea: 181,311 SqFt
Section: 505	of 2	From: -		То: -	Last Const.: 1/1/1985
Surface: AC Fa	amily: C9N59-GA-TV	W-AC Zone:		Category:	Rank: P
Area: 120,156 S	SqFt Length:	3,350 Ft	Width:	35 Ft	
Slabs:	Slab Length:	Ft Slab V	Vidth:	Ft	Joint Length: Ft
Shoulder:	Street Type:	Grade	e: 0		Lanes: 0
Section Comments:					
Work Date: 1/1/1985	Work Type: OVE	RLAY	Cod	e: IMPORTED	Is Major M&R: True
Work Date: 1/1/1985	Work Type: BUII	.T	Cod	e: IMPORTED	Is Major M&R: True
Last Insp. Date: 4/3/2017	TotalS	amples: 34	Surveyed:	4	
Conditions: PCI: 67					
Inspection Comments:					
Sample Number: 105	Type: R	Area:	3500.00 SqFt	PCI: 66	
Sample Comments:					
48 L & T CR	L	120.00 Ft			
48 L & T CR	М	8.00 Ft			
52 RAVELING	L	1400.00 SqFt			
57 WEATHERING	L	2100.00 SqFt	2500.00 5 5	DCI. ((
Sample Number: 113 Sample Comments:	Type: R	Area:	3500.00 SqFt	PCI: 66	
56 SWELLING	L	108.00 SqFt			
48 L&TCR	L	194.00 Ft			
52 RAVELING	L	1400.00 SqFt			
57 WEATHERING	L	2100.00 SqFt			
Sample Number: 121	Type: R	Area:	3500.00 SqFt	PCI: 67	
Sample Comments:					
56 SWELLING	L	36.00 SqFt			
48 L & T CR	L	272.00 Ft			
52 RAVELING	L	1400.00 SqFt			
57 WEATHERING	L	2100.00 SqFt			
Sample Number: 129	Type: R	Area:	3500.00 SqFt	PCI: 67	
Sample Comments:					
48 L & T CR	L	281.00 Ft			
52 RAVELING	L	2100.00 SqFt			
57 WEATHERING	L	1400.00 SqFt			
56 SWELLING	L	25.00 SqFt			

Network: AVO		Name:	A VOIVTARK EZ	XECUTIVE AIRPOR	1	
Branch: TW F	Nan	ne: TAXIWAY F	Use:	TAXIWAY	Area:	22,334 SqFt
Section: 405	of 2	From: -		То: -		Last Const.: 1/1/1980
Surface: AAC	Family: C9N59-0 APC	GA-TW-AAC- Zone:		Category:		Rank: P
Area: 19,2	79 SqFt Let	ngth: 350 Ft	Width:	30 Ft		
Slabs:	Slab Length:	Ft Sl	ab Width:	Ft	Joint Length	: Ft
Shoulder:	Street Type:	G	rade: 0		Lanes: 0	
Section Comments:						
Work Date: 1/1/1980	Work Type:	OVERLAY	Co	ode: IMPORTED	Is Major	M&R: True
Work Date: 1/1/1980	Work Type:	BUILT	Ce	ode: IMPORTED	Is Major	M&R: True
	י <u>י</u> ז	FotalSamples: 6	Surveye	d: 2		
Conditions: PCI: 40	']	FotalSamples: 6	Surveye	d: 2		
Conditions: PCI: 40 Inspection Comments:	Type: F	-	Surveye 4279.00 SqFt	d: 2 PCI: 41		
Conditions: PCI: 40 Inspection Comments: Sample Number: 101		-				
Conditions: PCI: 40 Inspection Comments: Sample Number: 101 Sample Comments:		-				
Conditions: PCI: 40 Inspection Comments: Sample Number: 101 Sample Comments: 43 BLOCK CR	Type: F	R Area:				
Conditions: PCI: 40 Inspection Comments: Sample Number: 101 Sample Comments: 43 BLOCK CR 43 BLOCK CR	Type: F	R Area: 3280.00 SqFt				
Conditions: PCI: 40 Inspection Comments: Sample Number: 101 Sample Comments: 43 BLOCK CR 43 BLOCK CR 45 DEPRESSION	Type: F L M	R Area: 3280.00 SqFt 579.00 SqFt				
Conditions: PCI: 40 Inspection Comments: Sample Number: 101 Sample Comments: 43 BLOCK CR 43 BLOCK CR 45 DEPRESSION 50 PATCHING	Type: F L M L	R Area: 3280.00 SqFt 579.00 SqFt 29.00 SqFt				
Conditions:PCI:40Inspection Comments:Sample Number:101Sample Comments:43BLOCK CR43BLOCK CR45DEPRESSION50PATCHING52RAVELING	Type: F L M L L	R Area: 3280.00 SqFt 579.00 SqFt 29.00 SqFt 420.00 SqFt 3859.00 SqFt				
Conditions:PCI:40Inspection Comments:Sample Number:101Sample Comments:43BLOCK CR43BLOCK CR45DEPRESSION50PATCHING52RAVELINGSample Number:105	Type: F L M L L L L	R Area: 3280.00 SqFt 579.00 SqFt 29.00 SqFt 420.00 SqFt 3859.00 SqFt	4279.00 SqFt	PCI: 41		
Conditions: PCI: 40 Inspection Comments: Sample Number: 101 Sample Comments: 43 BLOCK CR 43 BLOCK CR 45 DEPRESSION 50 PATCHING 52 RAVELING Sample Number: 105 Sample Comments:	Type: F L M L L L L	R Area: 3280.00 SqFt 579.00 SqFt 29.00 SqFt 420.00 SqFt 3859.00 SqFt	4279.00 SqFt	PCI: 41		
Conditions: PCI: 40 Inspection Comments: Sample Number: 101 Sample Comments: 43 BLOCK CR 43 BLOCK CR 45 DEPRESSION 50 PATCHING 52 RAVELING Sample Number: 105 Sample Comments: 43 BLOCK CR	Type: F L M L L L L Type: F	Area: 3280.00 SqFt 579.00 SqFt 29.00 SqFt 420.00 SqFt 3859.00 SqFt 3859.00 SqFt 3859.00 SqFt 3859.00 SqFt	4279.00 SqFt	PCI: 41		
Inspection Comments:Sample Number:101Sample Comments:43BLOCK CR43BLOCK CR45DEPRESSION50PATCHING52RAVELINGSample Number:105Sample Comments:43BLOCK CR	Type: F L M L L L L Type: F M M	Area: 3280.00 SqFt 579.00 SqFt 29.00 SqFt 420.00 SqFt 3859.00 SqFt 3859.00 SqFt	4279.00 SqFt	PCI: 41		

Network:	AVO			ľ	lame: AV	ON PARK E	XECUTIVE AIRPO	RT	
Branch:	TW F		Name:	TAXIWA	ΥF	Use:	TAXIWAY	Area:	22,334 SqFt
Section:	407	0	f 2	From: -			То: -		Last Const.: 1/1/2001
Surface:	AAC	Family:	C9N59-GA-T APC	W-AAC- Z	Cone:		Category:		Rank: P
Area:		3,055 SqFt	Length	: 6	2 Ft	Width:	50 Ft		
Slabs:		Slab Ler	ngth:	Ft	Slab Width:		Ft	Joint Length	r: Ft
Shoulder:		Street T	ype:		Grade: 0			Lanes: 0	
Section Co	omments:								
Work Dat	e: 1/1/1980	W	ork Type: OV	ERLAY		С	ode: IMPORTED	Is Major	M&R: True
Work Dat	e: 1/1/1980	W	ork Type: BU	ILT		С	ode: IMPORTED	Is Major	M&R: True
Work Dat	e: 1/1/2001	W	ork Type: Ove	erlay - AC Thin		С	ode: OL-AT	Is Major	M&R: True
Last Insp.	Date: 4/3/	2017	Total	Samples: 1		Surveye	d: 1		
Condition	s: PCI:	61							
Inspection	n Comments	:							
Sample Nu	umber: 10	0 Ty]	pe: R	Area	: 305	5.00 SqFt	PCI: 6	51	
Sample Co	omments:								
48 L&	& T CR		L	316.00 Ft					
48 L&	& T CR		М	125.00 Ft					
52 RA	VELING		L	306.00 Sql	Ft				
57 WE	EATHERING	r	L	2749.00 Sql					

Network:	AVO			Ν	ame: AV	VON PARK E	XECUTIVE AIRPO	ORT	
Branch:	TW H		Name:	TAXIWAY	'H	Use:	TAXIWAY	Area:	28,704 SqFt
Section: 6	505	of	1 F	rom: -			То: -		Last Const.: 1/1/2003
Surface: A	AC	Family:	C9N59-GA-TW	/-AC Z	one:		Category:		Rank: P
Area:	28,70	04 SqFt	Length:	81.	5 Ft	Width:	35 Ft		
Slabs:		Slab Leng	gth:	Ft	Slab Width:	:	Ft	Joint Length	: Ft
Shoulder:		Street Ty	pe:		Grade: (0		Lanes: 0	
Section Con	nments:								
Work Date:	1/1/2003	Wo	ork Type: New (Construction - I	nitial	С	ode: NU-IN	Is Major	M&R: True
Last Insp. D	ate: 4/3/2017		TotalSa	mples: 8		Surveye	d: 1		
	DCL CO								
Conditions:	PCI: 60								
Inspection (Comments:	Туре	e: R	Area:	350	00.00 SqFt	PCI: 0	50	
Inspection (Sample Nur	Comments:	Туре	e: R	Area:	350	00.00 SqFt	PCI: 0	50	
Inspection (Sample Nun Sample Con	Comments:	Туре	e: R L			00.00 SqFt	PCI: 0	50	
Inspection (Sample Nun Sample Con 45 DEP	Comments: nber: 102 nments: RESSION	Туре		Area: 191.00 SqF 131.00 Ft		00.00 SqFt	PCI: 0	50	
Inspection (Sample Num Sample Con 45 DEP 48 L & 7	Comments: nber: 102 nments: RESSION	Туре	L	191.00 SqF	řt	00.00 SqFt	PCI: 0	50	
48 L&' 50 PAT	Comments: nber: 102 nments: RESSION Γ CR	Туре	L L	191.00 SqF 131.00 Ft	řt řt	00.00 SqFt	PCI: 0	50	