FLORIDA DEPARTMENT OF TRANSPORTATION AVIATION AND SPACEPORT OFFICE

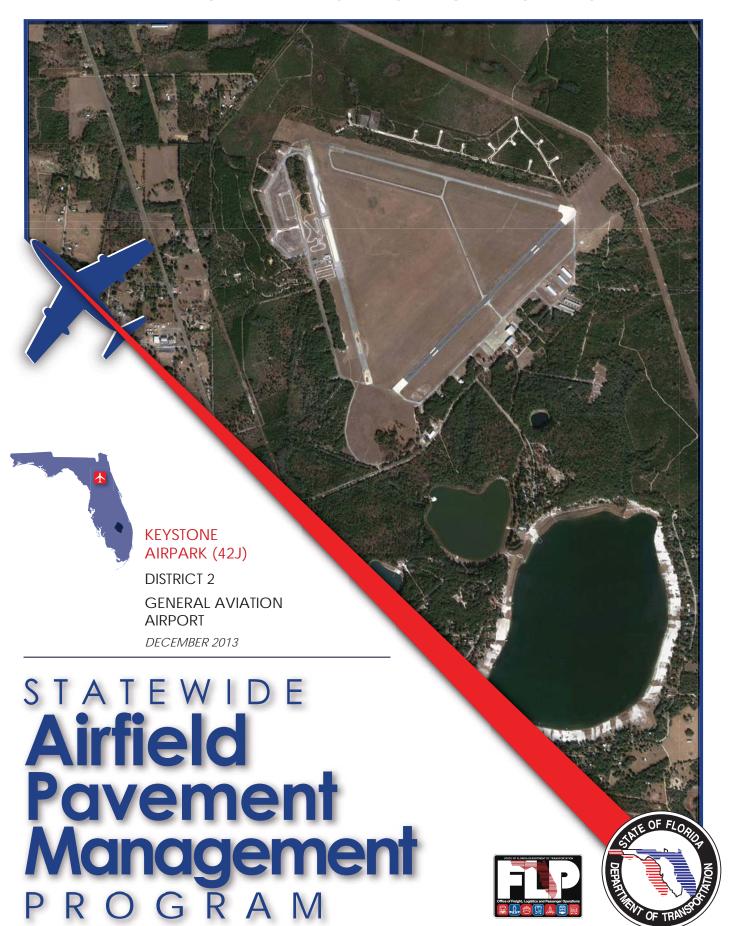


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EXECUTIVE SUMMARY

In 2012, the Florida Department of Transportation (FDOT) Central Aviation Office selected a team lead by Kimley-Horn and Associates, Inc. and including their subconsultants Peneul Consulting, LLC, Roy D. McQueen & Associates, LTD, and All About Pavements, Inc., to provide services in support of FDOT in the continued efforts of updating the existing Statewide Airfield Pavement Management Program (SAPMP). This work is to be completed over the fiscal years of 2013 and 2014.

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

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

In SEPTEMBER 2013, a PCI survey inspection was performed at Keystone Airpark. The results of the inspection indicate that, based on ASTM D 5340-11, the airport's airfield pavement facilities had an overall area-weighted average PCI of 63, representing a FAIR overall network condition. Table I summarizes the overall condition summary by network level branch in comparison to the FDOT recommended minimum service level.

Table I: Condition Summary by Branch

Branch Name	Area Weighted PCI	PCI Range	Average Condition Rating	FDOT Minimum Service Level	MicroPAVER Minimum PCI	Action Required
APRON	49	48 - 56	POOR	60	65	Х
APRON T-HANGARS	45	0 - 84	POOR	60	65	Χ
RUNWAY 11-29	56	42 - 58	FAIR	75	65	Χ
RUNWAY 5-23	90	44 - 97	GOOD	75	65	Χ
TAXIWAY A	40	40	VERY POOR	65	65	Χ
TAXIWAY B	54	51 - 55	POOR	65	65	Х
TAXIWAY C	61	58 - 62	FAIR	65	65	Х
TAXIWAY E	60	60	FAIR	65	65	Χ

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

Table II: Condition Summary by Pavement Facility Use

Use	Average Area- Weighted PCI	Condition Rating
Runway	75	SATISFACTORY
Taxiway	49	POOR
Apron	47	POOR

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



rehabilitative construction activity rather than localized, short-term maintenance and repairs.

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

- Runway 11-29 Sections 6220 and 6205
 - PCC Restoration attributed to distresses related to loading and construction quality.
- Runway 11-29 Section 6215
 - Mill and Overlay attributed to distresses related to climate and age of pavement.
- Runway 5-23 Sections 6135, 6130,6110, and 6105
 - Mill and Overlay attributed to distresses related to loading and construction quality.
- Apron T-Hangars Section 4520
 - Reconstruction attributed to distresses related to subgrade quality, climate, and age of pavement.
- Apron T-Hangars Section 4515
 - Mill and Overlay attributed to distresses related to climate and age of pavement.
- Apron T-Hangars Section 4505
 - Reconstruction attributed to distresses related to overloading.
- Apron Section 4110
 - Mill and Overlay attributed to distresses related to PCC movement, climate, and age of pavement.
- Apron Section 4105
 - PCC Restoration attributed to distresses related to loading and construction quality.
- Taxiway E Section 505
 - Mill and Overlay attributed to distresses related to climate and age of pavement.
- Taxiway C Sections 310 and 305
 - Mill and Overlay attributed to distresses related to subgrade quality, climate, and age of pavement.
- Taxiway B Sections 210 and 205
 - Mill and Overlay attributed to distresses related to subgrade quality, climate, and age of pavement.

Taxiway A – Section 105

 Reconstruction attributed to distresses related to climate and age of pavement.

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

Table III: Year-1 Major Rehabilitation Needs for Keystone Airpark

Branch ID	Section ID	Major Rehabilitation Costs	PCI Before M&R	Rehabilitation Activity	PCI After M&R
RW 11-29	6220	\$ 395,578.11	42	PCC Restoration	100
RW 11-29	6215	\$ 3,296,249.84	58	Mill and Overlay	100
RW 11-29	6205	\$ 278,691.83	45	PCC Restoration	100
RW 5-23	6135	\$ 194,179.99	54	PCC Restoration	100
RW 5-23	6130	\$ 156,269.99	52	PCC Restoration	100
RW 5-23	6110	\$ 236,803.13	44	PCC Restoration	100
RW 5-23	6105	\$ 180,149.92	46	PCC Restoration	100
AP T-HANG	4520	\$ 917,520.22	35	Reconstruction	100
AP T-HANG	4515	\$ 152,769.99	56	Mill and Overlay	100
AP T-HANG	4505	\$ 366,465.09	0	Reconstruction	100
AP	4110	\$ 421,629.98	56	Mill and Overlay	100
AP	4105	\$ 1,867,847.36	48	PCC Restoration	100
TW E	505	\$ 318,229.99	60	Mill and Overlay	100
TW C	310	\$ 146,789.99	58	Mill and Overlay	100
TW C	305	\$ 924,939.96	62	Mill and Overlay	100
TW B	210	\$ 774,119.96	55	Mill and Overlay	100
TW B	205	\$ 196,119.99	50	Mill and Overlay	100
TW A	105	\$ 2,934,450.69	39	Reconstruction	100
	Total =	\$13,758,806.03			

The SAPMP uses historic pavement condition data from the previous inspections to develop pavement performance models. These pavement performance models are used to create PCI prediction curves to estimate future pavement conditions based on the historic trends. The section areas, prediction curves, and current condition data were used to develop a 10-year major rehabilitation program. Major rehabilitation costs for each year of the 10-year program are



based on general unit costs for pavement repairs and not detailed cost estimates that are typically prepared for a construction set of bid documents. Additionally, preventative maintenance level repair budgets were estimated for a 10-year duration. Table IV provides an annual summary of the 10-year Preventative Maintenance and Major Rehabilitation planning level cost opinions for the airfield pavement facilities at the airport. Refer to Section 6 of this report for additional information.

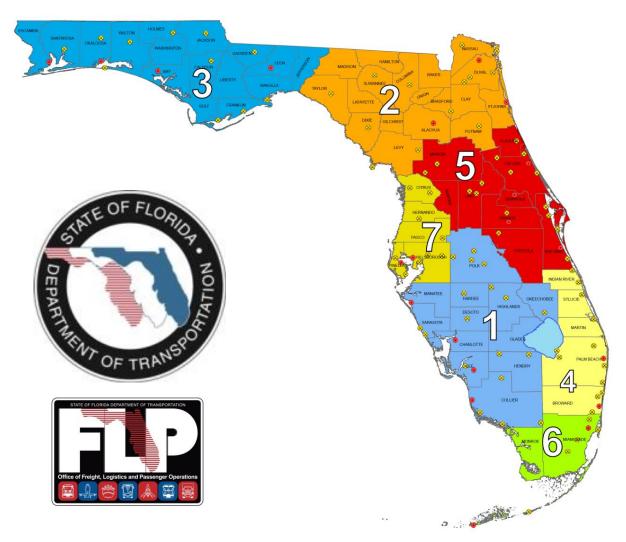
Table IV: 10-Year Preventative Maintenance and Major Rehabilitation

Year	Pı	Preventative		Major M&R		otal Year Cost
2014	\$	7,260.29	\$	13,758,806.04	\$	13,766,066.32
2015	\$	10,362.62	\$	-	\$	10,362.62
2016	\$	16,117.66	\$	-	\$	16,117.66
2017	\$	57,936.69	\$	-	\$	57,936.69
2018	\$	125,804.46	\$	-	\$	125,804.46
2019	\$	226,588.40	\$	-	\$	226,588.40
2020	\$	333,332.80	\$	-	\$	333,332.80
2021	\$	427,181.22	\$	-	\$	427,181.22
2022	\$	514,561.04	\$	-	\$	514,561.04
2023	\$	586,573.71	\$	-	\$	586,573.71
Total		\$2,305,718.89		\$13,758,806.04	\$	16,064,524.92

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

1. INTRODUCTION

The State of Florida has more than 100 public airports that are vital to the Florida economy as well as the economy of the United States. The aviation system in Florida allows the State to capitalize on an increasingly global marketplace. Florida's system of commercial service and general aviation airports are important to businesses throughout the entire State. Air travel is essential to tourism, Florida's number one industry.



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

The Florida Department of Transportation (FDOT) Central Aviation Office implemented the Statewide Airfield Pavement Management Program (SAPMP) in 1992. In 2012, the FDOT Central Aviation Office selected a team led by Kimley-Horn and Associates, Inc. and including Peneul Consulting, LLC, Roy D. McQueen & Associates, LTD, and All About Pavements, Inc., to provide services in support of the Central Aviation Office Program Manager. The continued evaluation and update of the existing SAPMP is to be completed over fiscal years 2013 and 2014.

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

1.1 Purpose of Pavement Evaluation Report

The purpose of this Airfield Pavement Evaluation Report is to:

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

1.2 FDOT Statewide Airfield Pavement Management Program

In 1992, the FDOT implemented the SAPMP to improve the knowledge of pavement conditions at public airports in the Florida Airports System, identify maintenance and rehabilitation needs at each airport, automate pavement infrastructure information management, and establish standards to address future needs. The 1992 SAPMP implementation provided the FDOT and the participating airports valuable information for establishing and performing timely and appropriate pavement rehabilitation.

During the 1992-1993 implementations and again during the 1998-1999 updates; the SAPMP performed the development of proprietary software for pavement



management system analysis. This development allowed for the creation of pavement management database file system populated with airport attributes and condition data. The pavement management database was used to establish maintenance, repair, and rehabilitation (M&R) policies, M&R budget costs, and the development of recommendations for performing routine pavement preservation maintenance. This system, known as AIRPAV, was initially developed during the 1992-1993 SAPMP implementation for the analysis of distress data. The AIRPAV system was used again in the 1998-1999 SAPMP update.

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

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

In 2010-2012, the SAPMP was updated using new GPS integrated technology to digitally collect pavement distress data. Interactive GIS map files were developed from updated Airfield Pavement Network Definition Maps to aid pavement condition inspectors in the collection of sample distress data. The

data collected was utilized to develop pavement performance models to predict future pavement PCI values and make recommendations for major rehabilitation.

Currently, airports participating in the Airport Improvement Program (AIP) Grant Program are required by the Federal Aviation Administration (FAA) to develop and implement a pavement maintenance program to be eligible for funding (FAA Advisory Circular 150/5380-6B Guidelines and Procedures for Maintenance of Airport Pavements). This program requires detailed inspection of airfield pavement conditions by trained personnel. The inspections are required to be performed at least once a year or every three years, if the pavement is inspected in accordance to the PCI survey procedure (such as ASTM International D 5340 Standard Test Method for Airport Pavement Condition Index Surveys). The previous 2010-2012 SAPMP update utilized the ASTM D 5340-04 released in 2004, in lieu of the 2010/2011 edition, in order to maintain consistent database integrity and benefit of pavement performance models from previous inspections.

1.3 Organization

FDOT Central Aviation Office Program Manager

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

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

Consultant

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

Airport Role

The airports are the ultimate client for each condition survey inspection performed at their respective airfields as part of the SAPMP. The individual airports will be provided final deliverables prepared by the Consultant that have been reviewed and approved by the AO-PM. The airport should provide a current Airport Layout Plan (ALP) to the Consultant and, if they participated in the previous SAPMP, indicate any construction activity that has been performed since the previous inspections.

FDOT District Offices

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

1.4 Introduction to Pavement Types and Pavement Management

Pavement Basics

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

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

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

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

Due to the different nature of the pavement types, construction, and their materials; flexible and rigid pavements have different modes of failure and fatigue. This results in varying deterioration and distress development. Understanding the mechanics and modes of failure of the pavement types will assist the engineers in making timely, adequate, consistent, and economical maintenance repairs and major rehabilitation to the pavement structures at each airfield.

The Concept of an Airfield Pavement Management System

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

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



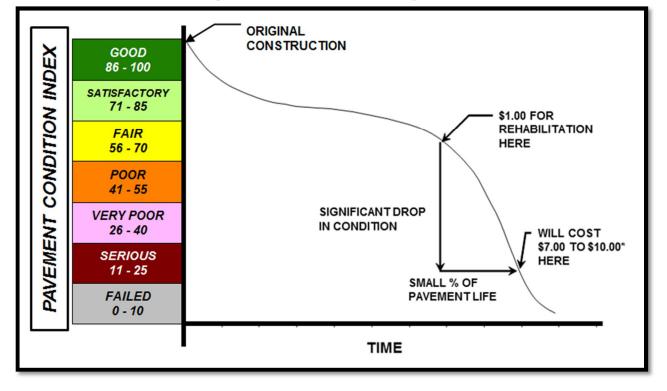


Figure 1-1: Pavement Life Cycle

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

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

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

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

Airfield Pavement Inspection Methodology for the SAPMP

Pavement condition assessment requires the application of professional judgments regarding the condition of the pavement. The SAPMP airfield pavement condition survey inspections assess pavement, comparing it to a set of standards in ASTM D 5340-11. As part of this update, SAPMP has adopted the changes made in updates to ASTM D 5340-11. These include the separation of Weathering and Raveling into two distinct flexible pavement distresses, and the addition of the Alkali-Silica Reactivity distress for rigid pavement distresses. The change in distress classification, as described in ASTM D 5340-11, may result in small variances in the PCI values from the previous inspection analysis.

The pavement condition surveys assess the functional condition of the pavement surface based on surface distresses as defined by the ASTM D 5340-11. Typically, deficiencies within a pavement structure will eventually reflect to the pavement surface as distresses described within ASTM D 5340-11. The SAPMP is specifically a visual evaluation and analysis based on the ASTM D 5340-11. The structural condition and relative support of the pavement layers can be directly quantified using non-destructive deflection testing (NDT) as well as other indepth engineering evaluation or sampling and testing methods.

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

In preparation for the PCI survey inspections, the airfield pavements for each airport are divided into branches, sections, and sample units as established by FAA Advisory Circular 150/5380-6B and ASTM D 5340. Further discussion of the process of inventorying and categorizing pavement facilities by use,

composition, and history can be found in SECTION 2 AIRFIELD PAVEMENT NETWORK DEFINITION and PAVEMENT INVENTORY.

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

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

Flexible Pavements Asphalt Concrete						
Number of Sample Units in Section	Taxiways, Aprons, Others					
1 - 4	1	1				
5 - 10	2	1				
11 - 15	3	2				
16 - 30	5	3				
31 - 40	7	4				
41 - 50	8	5				
≥ 51	20% but ≤ 20	10% but ≤ 10				

Rigid Pavements Portland Cement Concrete					
Number of Sample Units in Section	Number of Sai	mple Units to Inspect Taxiways, Aprons, Others			
1 - 3	1	1			
4 - 6	2	1			
7 - 10	3	2			
11 - 15	4	2			
16 - 20	5	3			
21 - 30	7	3			
31 - 40	8	4			
41 - 50	10	5			
≥ 51	20% but ≤ 20	10% but ≤ 10			

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

The distress quantities and severity levels from each inspected sample unit are used to compute the PCI value and rating for each Section using the ASTM D 5340-11 and MicroPAVER software. Figures 1-2 and 1-3 depict graphical representations of the color ranges associated with PCI values and ranges with

a photograph of airfield pavement that exhibited the conditions for both flexible and rigid pavements respectively.

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

Figure 1-2: Flexible Pavement, Asphalt Concrete

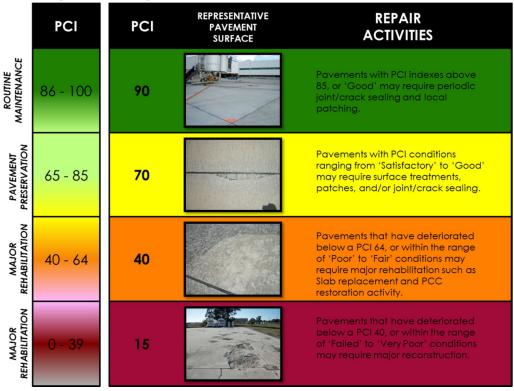


Figure 1-3: Rigid Pavement, Portland Cement Concrete

Using the ASTM D 5340-11 standard seven qualitative ranges, the SAPMP provides a PCI value and a standard qualitative condition rating for the pavement facilities inspected.

AIRFIELD PAVEMENT NETWORK DEFINITION AND PAVEMENT INVENTORY

Keystone Airpark (42J), also known as Keystone Heights Airport, is located approximately 5 miles west of the City of Keystone Heights, Florida. The Airpark is the only public general aviation airport in Clay and Bradford Counties and is directly regulated by the Keystone Airpark Authority. Keystone Airpark focuses primarily on serving recreational and business-related general aviation, as well as military operations conducted by Camp Blanding, and is served by two converging runways. These runways are Runway 5-23 which is 5,046' x 100' and Runway 11-29 which is 4,899' x 75'. Runway 5-23 has a full-length parallel taxiway (Alpha), while Runway 11-29 has a partial parallel taxiway (Charlie), which taxiway Bravo ties into to provide access to the ramp on the southeast side of the airport.

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

The airfield was constructed in 1942 as Crystal Lake Airfield, and was commissioned in December 1942 as Keystone Army Airfield by the United States Army Air Forces. The airfield was turned over to the city of Keystone Heights in 1947. From the time of its opening the airfield has been used by various branches of the military for various training exercises. Keystone Airpark is designated as a General Aviation (GA) airport and is located in District 2 of the Florida Department of Transportation.

2.1 Network Definition

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

Branch and Section Identification

Each airport's airfield pavement network is generally subdivided into separate Branches (runways, taxiways, aprons/ramps, or others) that have distinctly different functional identifications and uses. Each Branch is further subdivided into Sections as defined by pavement location, composition, and construction history. A Section is typically understood to be a project level subdivision within a

Branch feature. Sections are manageable units to organize data collection and are treated individually during the maintenance and major rehabilitation planning process. A pavement rank (primary, secondary, or tertiary) is assigned to each Section based on its importance and type of use to airport operations. The pavement rankings designated for each section at this airport were defined by the previous SAPMP, unless changes were communicated by the airport. These Sections are further subdivided into condition survey sample units based on the methodology described in ASTM D 5340.

Airfield Pavement System Inventory and Network Definition Update

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

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

The Airfield Pavement Network Definition Exhibit depicts the airport's pavement limits with Branch and Section delineations. This exhibit also includes the subdivision on Section areas into sample units and is used to identify those sample units that are to be inspected. The previous SAPMP Airfield Pavement Network Definition Exhibits were used as a base. Updates and information provided by each airport was reviewed and the exhibits were revised appropriately. Characteristics that are considered include; airfield configuration, branch designations (magnetic declination, Airport Layout Plan updates) and pavement composition. The exhibit serves not only as a primary guide for the airfield inspectors but also allows specific distresses found in the re-inspection report to be geographically located.

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

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

Construction Year	Section Location	Work Type/Pavement Section
2010	RUNWAY 5-23	REHABILITATION

Airfield Pavement Network Definition & Geographic Information System (GIS)

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

2.2 Pavement Inventory

The detailed pavement inventory database was updated to reflect the Airfield Pavement Network Definition Exhibit, in Appendix A, updates and field inspection results. Table 2-2 and Figure 2-1 provides a summary of the pavement inventory attributes at Keystone Airpark-(42J) for this SAPMP update.

Table 2-2: Pavement Inventory Summary

Airfield Pavement Network Definition					
Number of Branches	8				
Number of Sections		21			
Sample Units		78			
Airfield	Pavement l	Jse			
Use	Area (SF)	Relative Area (%)			
Runway	888,100	53%			
Taxiway	431,650	26%			
Apron	352,347	21%			
Total =	1,672,097	100%			
Airfield I	Pavement T	ype			
Туре	Area (SF)	Relative Area (%)			
Asphalt Concrete (AC)	706,128	42%			
Asphalt Overlay (AAC)	655,242	39%			
Portland Cement Concrete (PCC)	310,727	19%			
AC over PCC (APC)	0	0%			

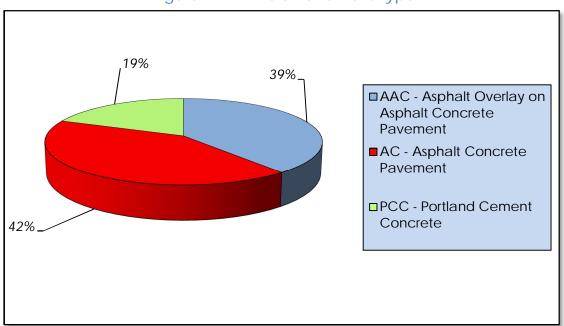


Figure 2-1: Airfield Pavement Type

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

Last Total Surface Section Section True Total **Branch Name** Branch ID Const. Samples Area (SF) ID Rank Samples Type **Inspected** Date **RUNWAY 11-29** RW 11-29 6220 28,125 S **PCC** 1/1/1942 2 4 S 18 **RUNWAY 11-29** RW 11-29 6215 329,625 AC 1/1/1991 88 6205 S 3 **RUNWAY 11-29** RW 11-29 22,180 PCC 1/1/1942 6 **RUNWAY 5-23** RW 5-23 6135 19,418 Ρ **PCC** 1/1/1943 1 3 **RUNWAY 5-23** Ρ **PCC** 2 RW 5-23 6130 15,627 1/1/1943 4 **RUNWAY 5-23** RW 5-23 6120 220,000 Ρ **AAC** 7/1/2010 8 44 **RUNWAY 5-23** RW 5-23 6115 220,000 Ρ AAC 7/1/2010 8 44 2 18,125 Ρ **PCC** 1/1/1943 4 **RUNWAY 5-23** RW 5-23 6110 Ρ 2 RUNWAY 5-23 RW 5-23 6105 15,000 **PCC** 1/1/1943 4 4520 3 **APRON T-HANGARS AP T-HANG** 61,168 Ρ AC 1/1/2009 14 **APRON T-HANGARS AP T-HANG** 4515 15,277 Ρ AC 1/1/2008 1 3 **APRON T-HANGARS AP T-HANG** 4510 41,487 Ρ AC 1 1/1/2004 10 **APRON T-HANGARS AP T-HANG** 4505 24,431 Ρ PCC 1/1/1943 1 6 Ρ AC 1 APRON AΡ 4110 42,163 1/1/1990 6

Table 2-3: Airfield Pavement Inventory Details

Branch Name	Branch ID	Section ID	True Area (SF)	Section Rank	Surface Type	Last Const. Date	Total Samples Inspected	Total Samples
APRON	AP	4105	167,821	Р	PCC	1/1/1943	4	33
TAXIWAY E - CONNECTOR TO T- HANGAR	TW E	505	31,823	Р	AC	1/1/1990	2	6
TAXIWAY C	TW C	310	14,679	Р	AC	1/1/1997	1	3
TAXIWAY C	TW C	305	92,494	Р	AC	1/1/1997	6	26
TAXIWAY B	TW B	210	77,412	Р	AC	1/1/1997	4	21
TAXIWAY B	TW B	205	19,612	Р	AAC	1/1/1987	2	5
TAXIWAY A	TW A	105	195,630	Р	AAC	1/1/1987	6	55

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

* Sections not surveyed due to reasons such as re-sectioning, no escort, not accessible at the time of survey.

3. AIRFIELD PAVEMENT CONDITION

Airfield pavement distresses and condition were surveyed in accordance with the methods outlined in FAA Advisory Circular 150/5380-6B and ASTM D 5340-11. These procedures define distress type, severity, and quantity for sampling areas within each defined pavement section area to analyze and determine the PCI value and condition rating.

The program has been updated from ASTM D 5340-04, released in 2004, to ASTM D 5340-11, released in 2011, for this SAPMP update. The primary updates include the separation of certain distress types and the addition of new types with corresponding changes to PCI calculation. These changes in distress classification may result in small variances in the PCI values from the previous inspection analyses.

3.1 Inspection Methodology

A pavement condition survey inspection is performed by measuring the amount and severity of defined pavement distresses observed within the boundaries of sample units. These distresses, as defined by ASTM D 5340, are generally caused by traffic fatigue loading, exposure to climate and elements, and other airfield specific factors. This data is collected by field personnel experienced in pavement condition survey inspection. Data collection is then transferred into the FDOT MicroPAVER database system. MicroPAVER is used to calculate PCI values using the methodology described in ASTM D 5340-11. The values are calculated for each sample and extrapolated on a Section level to determine an area-weighted PCI value ranging from 0 to 100 and one of seven condition ratings. Tables 3-1 and 3-2 describe the distresses as defined by the ASTM D 5340-11 and adopted for the SAPMP procedures.

Table 3-1: Airfield Pavement Distresses for Asphalt Concrete

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

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

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

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

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

3.2 Airfield Pavement Condition Index Rating Results

From the condition survey inspection performed in 2013 at Keystone Airpark, the overall weighted average PCI value is 63 representing a condition rating of FAIR.

The airport's airfield pavements exhibited distresses typically associated with subgrade quality, climate, and age based distresses. The predominant AC and AAC pavement distresses observed include: swelling, depression, weathering, raveling, longitudinal/transverse cracking. The predominate PCC pavement distresses observed includes: joint spalling, corner breaks, faulting, map cracking, and longitudinal/transverse/diagonal cracking.

The Asphalt Concrete pavement in Runway 11-29 exhibited low to medium severity raveling, and low to medium severity longitudinal/transversal cracking. Low severity weathering was also recorded throughout the runway AC pavement section. The PCC pavement of both Runways exhibited low to medium severity longitudinal/transverse/diagonal cracking, faulting and map cracking. Low severity joint spalling, corner spalling, corner breaks, large and small patching was also recorded. The AC pavement portion of Runway 5-23 was rehabilitated in 2010 and exhibited low severity longitudinal/transverse cracking which was primarily located along the pavement joints.

Taxiways throughout the airfield exhibited low to medium severity longitudinal/transversal cracking and raveling. Low severity weathering was also recorded throughout. Isolated instances of low severity depressions and swelling were also noted.

The PCC pavements throughout the ramp area exhibited low to medium severity longitudinal/transverse cracking, joint spalling, and small patching. Low severity map cracking and faulting were also recorded.

The most significant distresses noted on the airfield were in the hangar area where two different hangar aprons were experiencing severe swelling. These pavement sections exhibited large quantities of high severity swelling along with low, medium and high severity longitudinal/transverse cracking, low severity block cracking, weathering and depressions. There were significant subgrade quality issues at this location and the distresses appeared to be of such severity that the pavement was no longer useable for aircraft.

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

The pavement condition at Keystone Airpark is represented in Figure 3-1 in accordance with the condition categories and PCI scale referenced in ASTM D 5340. Further detail is provided in Table 3-3 which describes the breakdown of the airport's airfield conditions according to area and use.

Appendix B contains Table B-1 summarizes the Section Condition values and the Airfield Pavement Condition Index Rating Exhibit, Figure B-1, that depicts the PCI results by Section. Appendix H is dedicated to the reporting of the specific airfield pavement distress data collected at the time of the inspection for this update.

Figure 3-1: Airfield Pavement Condition Index Rating Summary

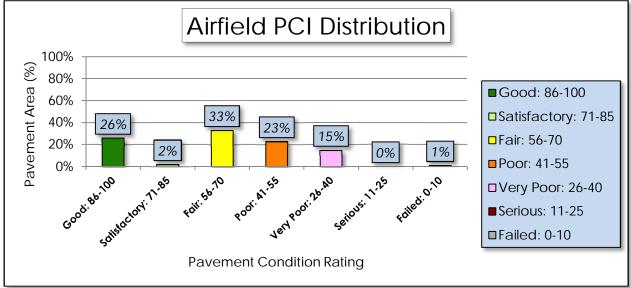


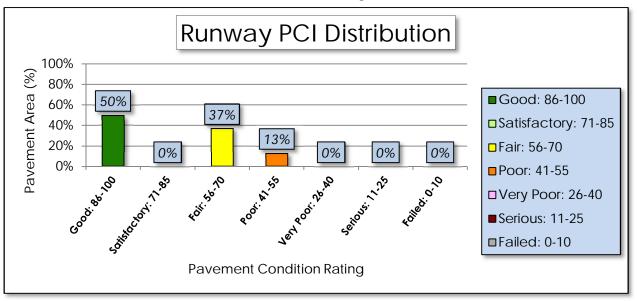
Table 3-3: Pavement Condition Index Rating Summary

Airfield Pavement Use					
Use	Average Area- Weighted PCI	Condition Rating			
Runway	75	SATISFACTORY			
Taxiway	49	POOR			
Apron	47	POOR			
Condition Area					
Condition Rating	Area (SF)	Relative Area (%)			
Good	440,000	26%			
Satisfactory	41,487	2%			
Fair	526,061	33%			
Poor	383,320	23%			
Very Poor	256,798	15%			
Serious	-	0%			
Failed	24,431	1%			

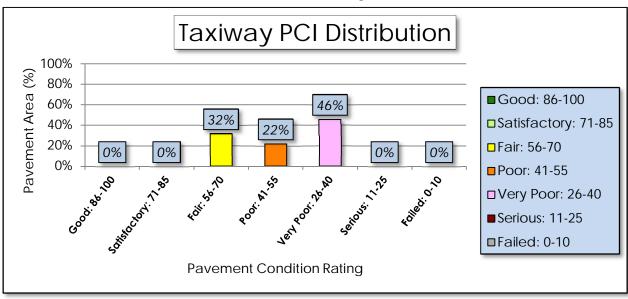
Approximately 28% of the airfield network is in Good and Satisfactory condition, while 39% of the network is in a Poor to Failed condition. Table 3-3 provides a breakdown of total area for each pavement by condition rating. Figures 3.2 a, b, c depict the condition rating of the airfield pavement by Branch Use. Photographs taken during the condition survey inspection are included in Appendix G. The photographs included are intended to be representative of the distress observed.

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

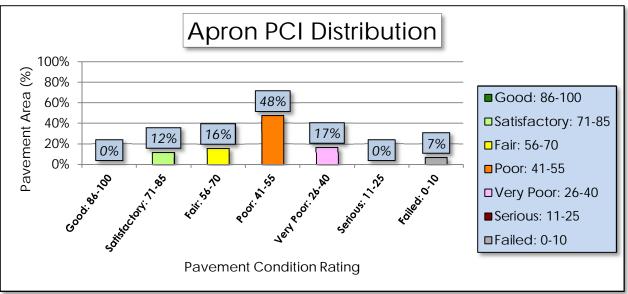
(a) Runway



(b) Taxiway



(c) Apron



PAVEMENT PERFORMANCE

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

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

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

>FACILITY USE (Runway, Taxiway, or Apron)

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

The historic trends of pavement performance at Florida airport facilities for all performance models are consolidated within the program database. This information is utilized in the prediction of pavement performance based on the current PCI determined from the inspections that took place between 2013 and 2014. Major rehabilitation is planned based on the predicted PCI. The intent of this is for both the individual airport and the FDOT District personnel to be aware of anticipated major rehabilitation work based on condition.

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

OF FLORIDAY NO.

Figure 4-1: Runway Pavement Performance Prediction Summary

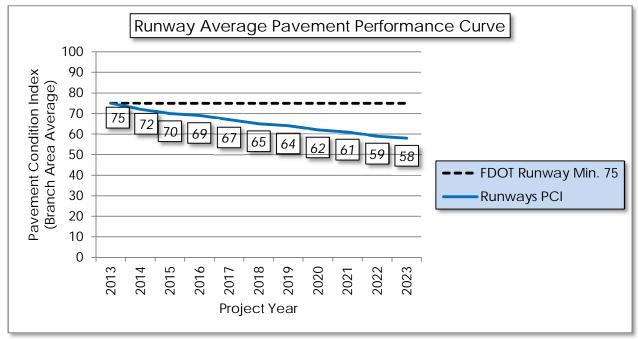
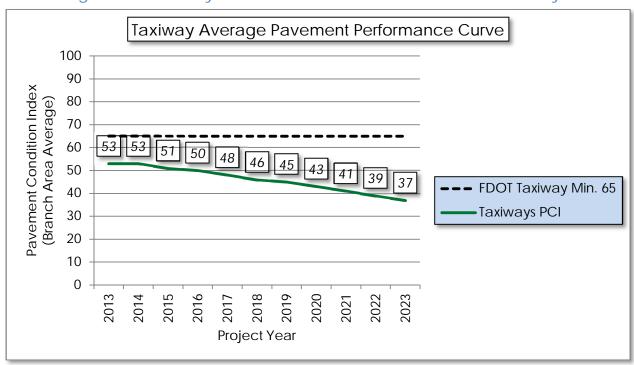


Figure 4-2: Taxiway Pavement Performance Prediction Summary



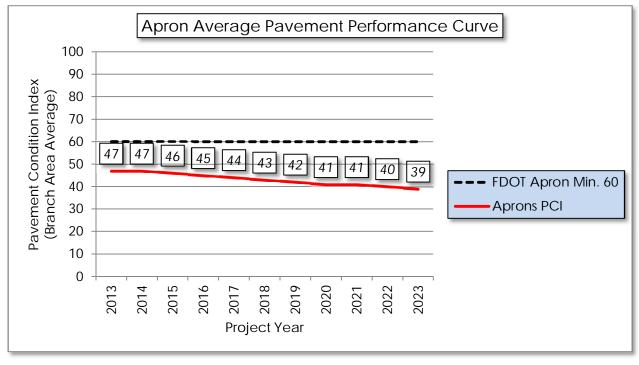


Figure 4-3: Apron Pavement Performance Prediction Summary

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

5. AIRFIELD PAVEMENT MAINTENANCE POLICIES AND COSTS

5.1 Policies

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

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

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

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

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

Table 5-2: Recommended PCC Maintenance and Repair Policy

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

Surface Type	Distress Code	Distress Name	Severity	Maintenance Work Type	Work Unit
	73	Shrinkage Cracks	N/A	Crack Sealing - PCC	Linear Feet
	74	Longitudinal/Transverse Joint Spalling	L, M, H	Partial Patch - PCC	Square Feet
	75	Corner Spalling	L, M, H	Partial Patch - PCC	Square Feet
	76	Alkali-Silica Reaction	L	Seal Coat Treatment	Square Feet
	76	Alkali-Silica Reaction	M	Micro-mill and Seal - PCC	Square Feet
	76	Alkali-Silica Reaction	Н	Slab Replacement / Full Depth Patch	Square Feet

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

The FDOT has recommended minimum service level PCI for airports based on pavement facility use, airport type, and expected loading frequency. This minimum service level PCI is recommended to ensure the pavement provides a safe operational surface and efficiently uses maintenance and rehabilitation budgets. Separately, the Critical PCI is a value based on historic pavement performance trends and costs. It is at a PCI value of 65, for most airports, at which major rehabilitation is recommended over maintenance level efforts.

Table 5-3 identifies the FDOT recommended PCI by use and the critical PCI value for the most important pavements at the airport. This is due to the condition of the pavement and the cost effectiveness of the work. A very important concept of a good pavement management system is the proactive preservation of pavements that are above Critical PCI condition. Conversely, allowing pavement to deteriorate beyond maintenance and performing "worst first" major rehabilitation may cost much more over the life of a pavement.

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

Use	FDOT Recommended PCI	Critical PCI
Runway	75	65
Taxiway	65	65
Apron	60	65

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

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

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

The PCI standard scale ranges from a value of 0, typically representing a pavement in a failed condition, to a value of 100 which typically represents a pavement in new or good condition. Generally, airfield pavement sections with

a PCI of 75 or higher that are not exhibiting distresses due to aircraft loading will benefit from maintenance activities such as crack sealing, patching, and surface treatments. Pavement sections with PCI values within the range of 40 to 74 may require major rehabilitation, such as a mill and overlay. Lastly, pavement sections with a PCI value of 40 or less are recommended to undergo pavement reconstruction. Generally pavement reconstruction is the only practical means of restoration due to the substantial distresses observed in the pavement structure. Since PCI values are based solely on the visual determination of pavement distresses and deterioration, this method does not provide a direct measure of structural integrity.

5.2 Unit Costs

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

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

5.3 Maintenance, Repair, and Major Rehabilitation

FDOT recognizes that although pavement mill and overlay is recommended for flexible asphalt concrete pavement within a PCI range from 40 to 74, it is conceivable that airports may not have adequate funding to perform this type of major rehabilitation. A comprehensive surface treatment; such as GSB-88 and Microsurfacing, as a maintenance rehabilitation activity, can be used in lieu of asphalt concrete pavement mill and overlay. However, it should be understood that these measures provide only a short term extension of pavement life. While the cost of surface treatments are significantly lower than that of pavement mill and overlay, it is not intended or implied to be a full rehabilitative measure for long term benefit. Table 5-5 and Table 5-6 provide budget costs associated with the work types shown in the table.

Table 5-5: AC Maintenance Unit Costs

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

Table 5-6: PCC Maintenance Unit Costs

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

As part of the SAPMP update, the distress data observed at each airport during the inspection is extrapolated on a section basis to make maintenance recommendations. These recommendations are a direct result of the distress types, severities, and quantities observed at the time of inspection. The

maintenance recommendations and planning costs are correlated with the airport's airfield pavement network's overall area weighted PCI and used to plan future maintenance costs. Future maintenance costs are planning budgets that are not specific to a pavement section, but are estimates for the entire airfield. Table 5-7 provides budget costs associated with the rehabilitation activities.

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

Category	Activity	PCI Range	Cost/SqFt
	Mill and Overlay (AC)	40. 74	\$8.00
Rehabilitation	 Concrete Pavement Restoration (PCC) 	40 - 74	\$10.00
	• Full Depth Pavement Reconstruction	0 - 39	\$15.00

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

6. MAJOR PAVEMENT REHABILITATION NEEDS

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

The objective of the major pavement rehabilitation needs analysis is to provide planning level projects within an airport's airfield pavement network. Major rehabilitation activities are recommended when a pavement section has deteriorated below the Critical PCI value from a functionality perspective. In addition, major rehabilitation is also recommended when the Section PCI is above the Critical PCI but the Section has load-related PCI distresses. However, most major rehabilitation work is recommended when the Section PCI is below the Critical PCI, which is when maintenance and repair level activities are not considered to be cost effective.

Major rehabilitation is identified within the SAPMP as major construction activity that would result in an improvement or "resetting" of the pavement section's PCI to a value of 100. Such activities could include; mill and hot-mix asphalt overlay and re-construction. This analysis was conducted with no constraints to budgets as a means to identify all pavement projects based on Critical PCI for a 10-year duration. It is recommended that the airport use this as a planning tool for future project development and prioritization. Table 6-1 depicts the major rehabilitation work identified on the pavement section level based on current and predicted pavement PCI.

Table 6-1: Summary of Major Rehabilitation

Year	Branch ID	Section ID	Major M&R Costs*	PCI Before M&R	M&R Activity	PCI After M&R
2014	RW 11-29	6220	\$ 395,578.11	42	PCC Restoration	100
2014	RW 11-29	6215	\$ 3,296,249.84	58	Mill and Overlay	100
2014	RW 11-29	6205	\$ 278,691.83	45	PCC Restoration	100
2014	RW 5-23	6135	\$ 194,179.99	54	PCC Restoration	100
2014	RW 5-23	6130	\$ 156,269.99	52	PCC Restoration	100
2014	RW 5-23	6110	\$ 236,803.13	44	PCC Restoration	100
2014	RW 5-23	6105	\$ 180,149.92	46	PCC Restoration	100
2014	AP T-HANG	4520	\$ 917,520.22	35	Reconstruction	100
2014	AP T-HANG	4515	\$ 152,769.99	56	Mill and Overlay	100
2014	AP T-HANG	4505	\$ 366,465.09	0	Reconstruction	100
2014	AP	4110	\$ 421,629.98	56	Mill and Overlay	100
2014	AP	4105	\$ 1,867,847.36	48	PCC Restoration	100
2014	TW E	505	\$ 318,229.99	60	Mill and Overlay	100
2014	TW C	310	\$ 146,789.99	58	Mill and Overlay	100
2014	TW C	305	\$ 924,939.96	62	Mill and Overlay	100
2014	TW B	210	\$ 774,119.96	55	Mill and Overlay	100
2014	TW B	205	\$ 196,119.99	50	Mill and Overlay	100
2014	TW A	105	\$ 2,934,450.69	39	Reconstruction	100
		Total =	\$13,758,806.03			

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

The 10-year major rehabilitation program addresses those pavement sections that have a current or project PCI that is below the Critical PCI of 65 during the 10-year analysis period. The unconstrained or "unlimited budget" Major Rehabilitation Program is compared to a "No Major Rehabilitation Program" scenario in Figure 6-1. As shown, if no major rehabilitation work is completed in the next 10 years at your airport, the average PCI may be 30 points less than a plan that provides timely repairs to the airfield pavements.

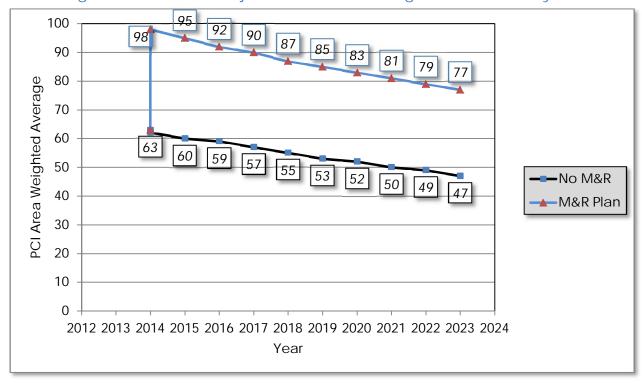


Figure 6-1: 10-Year Major Rehabilitation Budget Scenario Analysis

7. PREVENTATIVE AND MAJOR REHABILITATION PLANNING

The preventative and major rehabilitation results include activities that are based on distresses observed and unconstrained by budget limits. FDOT recognizes that the projects identified as Year-1 needs in 2013, based on condition, may exceed a typical annual budget level. It is recommended that each airport further evaluate each project's feasibility and desirability based on the airport's future development plans and budgeting scenarios.

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

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

Program Year	Preventative		Major Rehabilitation		Total Year Costs
2014	\$	7,260.29	\$	13,758,806.04	\$ 13,766,066.32
2015	\$	10,362.62	\$	-	\$ 10,362.62
2016	\$	16,117.66	\$	-	\$ 16,117.66
2017	\$	57,936.69	\$	-	\$ 57,936.69
2018	\$	125,804.46	\$	-	\$ 125,804.46
2019	\$	226,588.40	\$	-	\$ 226,588.40
2020	\$	333,332.80	\$	-	\$ 333,332.80
2021	\$	427,181.22	\$	-	\$ 427,181.22
2022	\$	514,561.04	\$	-	\$ 514,561.04
2023	\$	586,573.71	\$	-	\$ 586,573.71
				Total =	\$ 16,064,524.92

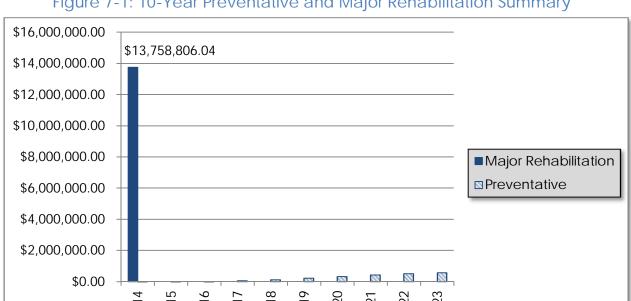


Figure 7-1: 10-Year Preventative and Major Rehabilitation Summary

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

- Runway 11-29 Sections 6220 and 6205
 - PCC Restoration attributed to distresses related to loading and construction quality.
- Runway 11-29 Section 6215
 - Mill and Overlay attributed to distresses related to climate and age of pavement.
- Runway 5-23 Sections 6135, 6130,6110, and 6105
 - Mill and Overlay attributed to distresses related to loading and construction quality.
- Apron T-Hangars Section 4520
 - Reconstruction attributed to distresses related to subgrade quality, climate, and age of pavement.
- Apron T-Hangars Section 4515
 - Mill and Overlay attributed to distresses related to climate and age of pavement.
- Apron T-Hangars Section 4505
 - Reconstruction attributed to distresses related to overloading.

- Apron Section 4110
 - Mill and Overlay attributed to distresses related to PCC movement, climate, and age of pavement.
- Apron Section 4105
 - PCC Restoration attributed to distresses related to loading and construction quality.
- Taxiway E Section 505
 - Mill and Overlay attributed to distresses related to climate and age of pavement.
- Taxiway C Sections 310 and 305
 - Mill and Overlay attributed to distresses related to subgrade quality, climate, and age of pavement.
- Taxiway B Sections 210 and 205
 - Mill and Overlay attributed to distresses related to subgrade quality, climate, and age of pavement.
- Taxiway A Section 105
 - Reconstruction attributed to distresses related to climate and age of pavement.

Appendix E summarizes the preventative repair recommendations for Year-1 and Appendix F provides an exhibit, Airfield Pavement Major Rehabilitation, that depicts the recommended major rehabilitation on the airfield pavement network according to work type and year.

8. VISUAL AID EXHIBITS

8.1 Airfield Pavement Network Definition Exhibit

The Airfield Pavement Network Definition Exhibit in Appendix A depicts the airfield layout in a manner that defines the airfield pavement infrastructure as branches, sections, and sample units in accordance with the ASTM D 5340-11. The exhibits are prepared and updated with information provided by the airport and from aerial imagery from the FDOT Surveying and Mapping publications.

8.2 Airfield Pavement System Inventory Exhibit

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

8.3 Airfield Pavement Condition Index Rating Exhibit

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

8.4 Airfield Pavement Major Rehabilitation Exhibit

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

8.5 Airfield Pavement Condition Survey Inspection Photographs

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

9. RECOMMENDATIONS

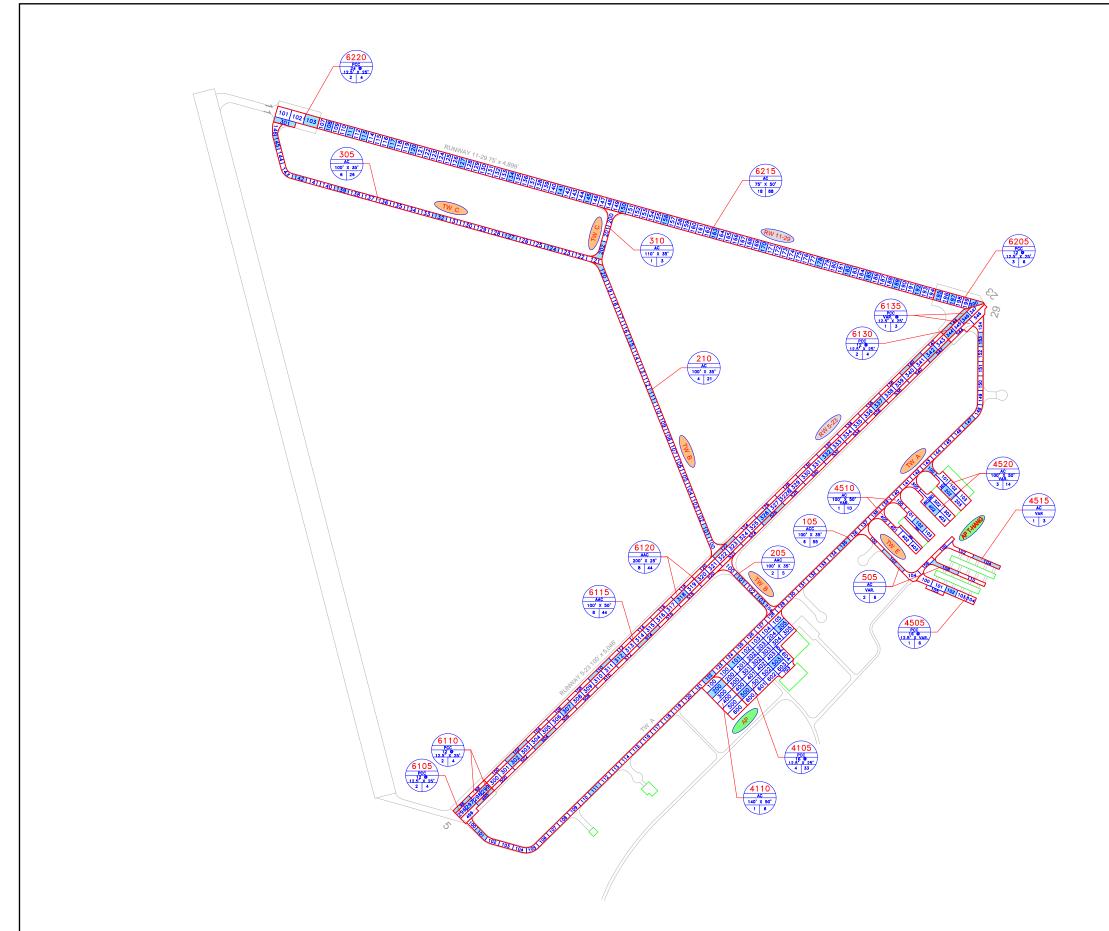
The following recommendations were made based on the 2013 condition survey inspection, condition analysis, and maintenance/rehabilitation analysis results:

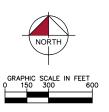
- Runway 11-29 Sections 6220 and 6205
 - PCC Restoration attributed to distresses related to loading and construction quality.
- Runway 11-29 Section 6215
 - Mill and Overlay attributed to distresses related to climate and age of pavement.
- Runway 5-23 Sections 6135, 6130,6110, and 6105
 - Mill and Overlay attributed to distresses related to loading and construction quality.
- Apron T-Hangars Section 4520
 - Reconstruction attributed to distresses related to subgrade quality, climate, and age of pavement.
- Apron T-Hangars Section 4515
 - Mill and Overlay attributed to distresses related to climate and age of pavement.
- Apron T-Hangars Section 4505
 - Reconstruction attributed to distresses related to overloading.
- Apron Section 4110
 - Mill and Overlay attributed to distresses related to PCC movement, climate, and age of pavement.
- Apron Section 4105
 - PCC Restoration attributed to distresses related to loading and construction quality.
- Taxiway E Section 505
 - Mill and Overlay attributed to distresses related to climate and age of pavement.
- Taxiway C Sections 310 and 305
 - Mill and Overlay attributed to distresses related to subgrade quality, climate, and age of pavement.
- Taxiway B Sections 210 and 205
 - Mill and Overlay attributed to distresses related to subgrade quality, climate, and age of pavement.

- Taxiway A Section 105
 - Reconstruction attributed to distresses related to climate and age of pavement.

APPENDIX A

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





LEGEND

RW 13-31 TYPICAL RUNWAY BRANCH ID

TWA TYPICAL TAXIWAY BRANCH ID

APS TYPICAL APRON BRANCH ID

SECTION NUMBER
PAVEMENT TYPE
TYPICAL SAMPLE UNIT INFORMATION
FLEXIBLE (AC) PAVEMENT LENGTH & WIDTH
RIGID (PCC) PAVEMENT NO. OF SLABS AND SLAB SIZE

- NUMBER OF SAMPLE UNITS IN SECTION
- NUMBER OF SAMPLE UNITS TO BE INSPECTED



SECTION NOT INSPECTED DUE TO RECENT CONSTRUCTION. SEE SYSTEM INVENTORY MAP FOR CONSTRUCTION DATES.

100

INSPECTED SAMPLE UNITS. GPS COORDINATES ARE AT THE CENTROID OF THE SAMPLE UNIT.

TOTAL SAMPLES INSPECTED = 78

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

IC \MPB_AVIOLION\142178022\CAGO\PLAKSHEETS\424 - NEYSTONE AMPARK\CHMBITS\001-424-DEFINITION.deg				PLOTTED: December 2, 20	13 - 3:01 PM, BY: Hosel	Jones	
DESIGNED:	KHA	DRAWN:	KHA	CHECKED:	KHA	DATE:	2013
NUMBER	DATE	REVISIONS					

OFFICE OF FREIGHT, LOGISTICS & PASSENGER OPERATIONS	

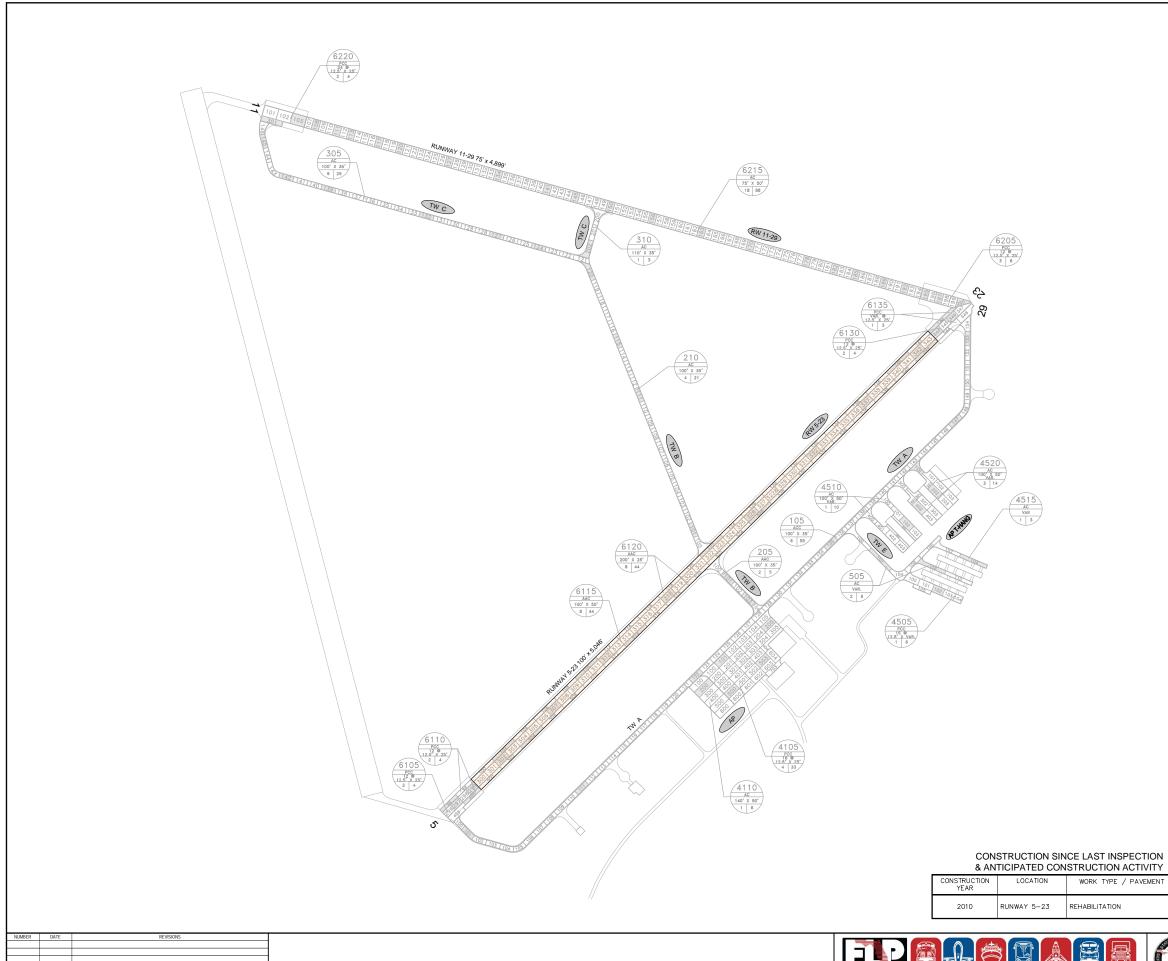


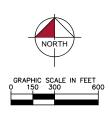
AIRFIELD PAVEMENT NETWORK DEFINITION EXHIBIT

KEYSTONE AIRPARK

CLAY COUNTY, FLORIDA







LEGEND

PROJECTS YEAR 2012 PROJECTS YEAR 2013 PROJECTS YEAR 2014 PROJECTS YEAR 2015 PROJECTS YEAR 2016 PROJECTS YEAR 2017 PROJECTS YEAR 2018 PROJECTS YEAR 2019

CONSTRUCTION YEAR	LOCATION	WORK TYPE / PAVEMENT SECTION
2010	RUNWAY 5-23	REHABILITATION

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







AIRFIELD PAVEMENT SYSTEM INVENTORY EXHIBIT KEYSTONE AIRPARK CLAY COUNTY, FLORIDA



Table A-1: Pavement Geometry Inventory

Branch Name	Branch ID	Branch Use	Section ID	Length (FT)	Width (FT)	True Area (FT²)	Section Rank	Surface Type	Last Const. Date	Last Insp. Date	Total Samples
RUNWAY 11-29	RW 11-29	RUNWAY	6220	300	75	28,125	S	PCC	1/1/1942	9/16/2013	4
RUNWAY 11-29	RW 11-29	RUNWAY	6215	4,450	75	329,625	S	AC	1/1/1991	9/16/2013	88
RUNWAY 11-29	RW 11-29	RUNWAY	6205	225	75	22,180	S	PCC	1/1/1942	9/16/2013	6
RUNWAY 5-23	RW 5-23	RUNWAY	6135	300	100	19,418	Р	PCC	1/1/1943	9/16/2013	3
RUNWAY 5-23	RW 5-23	RUNWAY	6130	300	100	15,627	Р	PCC	1/1/1943	9/16/2013	4
RUNWAY 5-23	RW 5-23	RUNWAY	6120	4,400	20	220,000	Р	AAC	7/1/2010	9/16/2013	44
RUNWAY 5-23	RW 5-23	RUNWAY	6115	4,400	60	220,000	Р	AAC	7/1/2010	9/16/2013	44
RUNWAY 5-23	RW 5-23	RUNWAY	6110	300	100	18,125	Р	PCC	1/1/1943	9/16/2013	4
RUNWAY 5-23	RW 5-23	RUNWAY	6105	300	100	15,000	Р	PCC	1/1/1943	9/16/2013	4
APRON T-HANGARS	AP T-HANG	APRON	4520	765	80	61,168	Р	AC	1/1/2009	9/16/2013	14
APRON T-HANGARS	AP T-HANG	APRON	4515	500	30	15,277	Р	AC	1/1/2008	9/16/2013	3
APRON T-HANGARS	AP T-HANG	APRON	4510	780	100	41,487	Р	AC	1/1/2004	9/16/2013	10
APRON T-HANGARS	AP T-HANG	APRON	4505	520	50	24,431	Р	PCC	1/1/1943	9/16/2013	6
APRON	AP	APRON	4110	300	138	42,163	Р	AC	1/1/1990	9/16/2013	6
APRON	AP	APRON	4105	500	300	167,821	Р	PCC	1/1/1943	9/16/2013	33
TAXIWAY E - CONNECTOR TO T-HANGAR	TW E	TAXIWAY	505	1,200	25	31,823	Р	AC	1/1/1990	9/16/2013	6
TAXIWAY C	TW C	TAXIWAY	310	330	35	14,679	Р	AC	1/1/1997	9/16/2013	3
TAXIWAY C	TW C	TAXIWAY	305	2,600	35	92,494	Р	AC	1/1/1997	9/16/2013	26
TAXIWAY B	TW B	TAXIWAY	210	2,100	35	77,412	Р	AC	1/1/1997	9/16/2013	21
TAXIWAY B	TW B	TAXIWAY	205	470	35	19,612	Р	AAC	1/1/1987	9/16/2013	5
TAXIWAY A	TW A	TAXIWAY	105	5,500	35	195,630	Р	AAC	1/1/1987	9/16/2013	55

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

* Sections not surveyed due to reasons such as re-sectioning, no escort, not accessible at the time of survey.

L.C.D.: 01/01/1943 Use: APRON

Branch: AP

Network: 42J

01/01/2008

01/01/2009

NC-AC

NC-AC

Work History Report

Pavement Database:FDOT

500.00 Ft

(APRON) Section: 4105 Surface: PCC

Width:

300.00 Ft

1 of 4

True Area:167,821.00 SqF

Work Work Work Thickness Major Comments Cost Date Code Description (in) M&R **OVERLAY** 01/01/1943 **IMPORTED** True SOIL: SP-SM **BUILT** 01/01/1943 **IMPORTED** 8.00 True 1943: 8" PCC

Rank P Length:

 Network:
 42J
 Branch:
 AP
 (APRON)
 Section:
 4110
 Surface:
 AC

 L.C.D.:
 01/01/1990
 Use:
 APRON
 Rank P Length:
 300.00 Ft
 Width:
 138.00 Ft
 True Area:
 42,163.00 SqF

Work Work Work Thickness Major Cost Comments Date Code Description (in) M&R 01/01/1990 **IMPORTED BUILT** 2.00 True 1990: 2" P-401 ON 6" P-211

 Network:
 42J
 Branch:
 AP T-HANG
 (APRON T-HANGARS)
 Section:
 4505
 Surface:
 PCC

 L.C.D.:
 01/01/1943
 Use:
 APRON
 Rank P Length:
 520.00 Ft
 Width:
 50.00 Ft
 True Area:
 24.431.00 SqF

Work Work Thickness Major Comments Cost Date Code Description (in) M&R 01/01/1943 **IMPORTED BUILT** 8.00 True 1943: 8" PCC 01/01/1943 **IMPORTED OVERLAY** True SOIL: SP-SM

 Network:
 42J
 Branch:
 AP T-HANG
 (APRON T-HANGARS)
 Section:
 4510
 Surface:
 AC

 L.C.D.:
 01/01/2004
 Use:
 APRON
 Rank P Length:
 780.00
 Ft
 Width:
 100.00
 Ft
 True Area:
 41,487.00
 SqF

Work Work Major Thickness Comments Cost Description Date Code (in) M&R 01/01/2004 NC-AC New Construction - AC 0.00 True

 Network:
 42J
 Branch:
 AP T-HANG
 (APRON T-HANGARS)
 Section:
 4515
 Surface:
 AC

 L.C.D.:
 01/01/2008
 Use:
 APRON
 Rank P Length:
 500.00
 Ft
 Width:
 30.00
 Ft
 True Area:
 15.277.00
 SqF

Work Date Code Work Description Cost Thickness Major M&R Comments

New Construction - AC

New Construction - AC

 Network:
 42J
 Branch:
 AP T-HANG
 (APRON T-HANGARS)
 Section:
 4520
 Surface:
 AC

 L.C.D.:
 01/01/2009
 Use:
 APRON
 Rank P Length:
 765.00 Ft
 Width:
 80.00 Ft
 True Area:
 61,168.00 SqF

\$0

0.00

0.00

True

True

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

 Network:
 42J
 Branch:
 RW 11-29
 (RUNWAY 11-29)
 Section:
 6205
 Surface:
 PCC

 L.C.D.:
 01/01/1942
 Use:
 RUNWAY
 Rank S Length:
 225.00 Ft
 Width:
 75.00 Ft
 True Area:
 22.180.00 SqF

Work Thickness Work Work Major Comments Cost Date Code Description (in) M&R 01/01/1990 **IMPORTED REPAIR** False 1990: SEAL CRACKS/JOINTS 01/01/1942 **IMPORTED OVERLAY** True SOIL: SP-SM 1942: 8" PCC PAVEMENT 01/01/1942 **IMPORTED BUILT** 8.00 True

 Network:
 42J
 Branch:
 RW 11-29
 (RUNWAY 11-29)
 Section:
 6215
 Surface:
 AC

 L.C.D.:
 01/01/1991
 Use:
 RUNWAY
 Rank S Length:
 4,450.00 Ft
 Width:
 75.00 Ft
 True Area;329.625.00 SqF

Work Work Work Thickness Major Comments Cost Date Code Description (in) M&R 01/01/1991 **IMPORTED** OVERLAY True SOIL: SP-SM 01/01/1991 **IMPORTED BUILT** 2.00 True 1991: 2" P-401 ON 6" CRUSH & MIX

Work History Report

Pavement Database:FDOT

Network: 42J Branch: RW 11-29 (RUNWAY 11-29) Section: 6220 Surface: PCC L.C.D.: 01/01/1942 Use: RUNWAY Rank S Length: 300.00 Ft 75.00 Ft Width: True Area: 28,125.00 SqF Work

2 of 4

Work Work Thickness Major Comments Cost Date Code Description (in) M&R 1990: SEAL JOINTS/CRACKS **REPAIR** 01/01/1990 **IMPORTED** False 1942: 8" PCC PAVEMENT 01/01/1942 **IMPORTED BUILT** 8.00 True SOIL: SP-SM 01/01/1942 **IMPORTED OVERLAY** True

Surface: PCC Network: 42J Branch: RW 5-23 (RUNWAY 5-23) Section: 6105 L.C.D.: 01/01/1943 Use: RUNWAY True Area: 15.000.00 SqF Rank P Length: 300.00 Ft Width: 100.00 Ft

Work Work Work Thickness Major Comments Cost M&R Date Code Description (in) Patching - PCC 07/01/2010 PA-PCC 0.00 False 01/01/1943 **IMPORTED BUILT** 1943: 8" PCC PAVEMENT 8.00 True 01/01/1943 **IMPORTED OVERLAY** True SOIL: SP-SM

Branch: RW 5-23 (RUNWAY 5-23) Network: 42.1 Section: 6110 Surface: PCC L.C.D.: 01/01/1943 Use: RUNWAY Rank P Length: 300.00 Ft 100.00 Ft Width: True Area: 18.125.00 SqF

Work Work Work Thickness Major Comments Cost Description Date Code (in) M&R 07/01/2010 PA-PCC Patching - PCC 0.00 False \$0 OL-MR 01/01/1943 SOIL:SP-SM Overlay \$0 0.00 True \$0 1943: 8" PCC PAVEMENT 01/01/1943 NU-IN New Construction - Initial 0.00 True

Network: 42J Branch: RW 5-23 Section: 6115 (RUNWAY 5-23) Surface: AAC L.C.D.: 07/01/2010 Use: RUNWAY Rank P Length: 4,400.00 Ft 60.00 Ft True Area:220,000.00 SqF Width:

Work Work Thickness Major Comments Cost Date Code Description (in) M&R 07/01/2010 ML-OL Mill and Overlay \$0 0.00 True 01/01/1984 **IMPORTED OVERLAY** True 1984: 2" P-401 OVERLAY **IMPORTED OVERLAY** SOIL: SP-SM 01/01/1984 True 01/01/1943 **IMPORTED BUILT** 2.00 1943: 2" AC ON 6" LIME ROCK BASE True

Branch: RW 5-23 (RUNWAY 5-23) Section: 6120 Network: 42J Surface: AAC L.C.D.: 07/01/2010 Use: RUNWAY Rank P Length: 4,400.00 Ft 20.00 Ft True Area:220,000.00 SqF Width:

Work Work Work Thickness Major Comments Cost Date Description Code (in) M&R 07/01/2010 ML-OL Mill and Overlay 0.00 True \$0 **OVERLAY** 01/01/1984 **IMPORTED** 1984: 2" MAX. TAPERING P-401 2.00 True OVERLAY 01/01/1943 **IMPORTED BUILT** 1943: 2" AC ON 6" LIME ROCK BASE

Network: 42J Branch: RW 5-23 (RUNWAY 5-23) Section: 6130 Surface: PCC L.C.D.: 01/01/1943 Use: RUNWAY 300.00 Ft Rank P Length: 100.00 Ft Width: True Area: 15,627.00 SqF

Work Work Work Thickness Major Comments Cost Date Description Code M&R (in) Patching - PCC 07/01/2010 PA-PCC \$0 0.00 False 01/01/1943 **IMPORTED OVERLAY** SOIL: SP-SM True 01/01/1943 **IMPORTED BUILT** 1943: 8" PCC PAVEMENT 8.00 True

Network: 42J Branch: RW 5-23 (RUNWAY 5-23) Section: 6135 Surface: PCC **L.C.D.:** 01/01/1943 **Use:** RUNWAY Rank P Length: 300.00 Ft Width: 100.00 Ft True Area: 19,418.00 SqF

Work Date	Work Code	Work Description	Cost	Cost Thickness (in)		Comments
07/01/2010	PA-PCC	Patching - PCC	\$0	0.00	False	
01/01/1943	OL-MR	Overlay	\$0	0.00	True	SOIL: SP-SM
01/01/1943	NU-IN	New Construction - Initial	\$0	0.00	True	1943:8" PCC PAVEMENT

01/01/1990

IMPORTED

BUILT

Work History Report

3 of 4

Pavement Database:FDOT

Network: 42J Branch: TW A (TAXIWAY A) Section: 105 Surface: AAC L.C.D.: 01/01/1987 Use: TAXIWAY 35.00 Ft True Area:195,630.00 SqF Rank P Length: 5,500.00 Ft Width: Work Work Work Thickness Major Comments Cost Date Code Description (in) M&R 01/01/1987 **IMPORTED BUILT** 1987: AC OVERLAY PLACED ON True EXISTING AC PAVEMENT 01/01/1987 **IMPORTED OVERLAY** SOIL: SP-SM Network: 42J Branch: TW B (TAXIWAY B) Section: 205 Surface: AAC True Area: 19,612.00 SaF L.C.D.: 01/01/1987 Use: TAXIWAY Rank P Length: 470.00 Ft 35.00 Ft Width: Work Major Work Work Thickness Comments Cost Date Code Description (in) M&R **IMPORTED BUILT** 1987: AC OVERLAY PLACED ON 01/01/1987 True EXISTING AC PAVEMENT Network: 42J Branch: TW B (TAXIWAY B) Section: 210 Surface: AC L.C.D.: 01/01/1997 Use: TAXIWAY Rank P Length: 2,100.00 Ft Width: 35.00 Ft True Area: 77.412.00 SqF Work Work Thickness Major Comments Cost Description Date Code M&R (in) BUILT 01/01/1997 IMPORTED 1997 AC PAVEMENT True Network: 42J Branch: TW C (TAXIWAY C) Surface: AC Section: 305 L.C.D.: 01/01/1997 Use: TAXIWAY Rank P Length: 2,600.00 Ft Width: 35.00 Ft True Area: 92,494.00 SqF Work Work Work Thickness Major Comments Cost Date Code Description M&R (in) 01/01/1997 NU-IN New Construction - Initial \$0 0.00 1997 AC PAVEMENT True Surface: AC Network: 42J Branch: TW C (TAXIWAY C) Section: 310 L.C.D.: 01/01/1997 Use: TAXIWAY Rank P Length: 330.00 Ft Width: 35.00 Ft True Area: 14,679.00 SqF Work Work Work Thickness Major Comments Cost Date Code Description M&R (in) 01/01/1997 New Construction - Initial NU-IN 0.00 True 1997 AC PAVEMENT Network: 42J Branch: TW E (TAXIWAY E - CONNECTOR TO Section: 505 Surface: AC L.C.D.: 01/01/1990 Use: TAXIWAY Rank PTLEMANGAR) 1,200.00 Ft Width: 25.00 Ft True Area: 31.823.00 SqF Work Work Work Thickness Major Comments Cost Date Code Description (in) M&R 01/01/1990 **IMPORTED OVERLAY** True SOIL: SP-SM

2.00

True

1990: 2" P-401 ON 6" LIME ROCK ON MINIMUM 12" STABILIZED SUBBASE

Work History Report

Pavement Database:FDOT

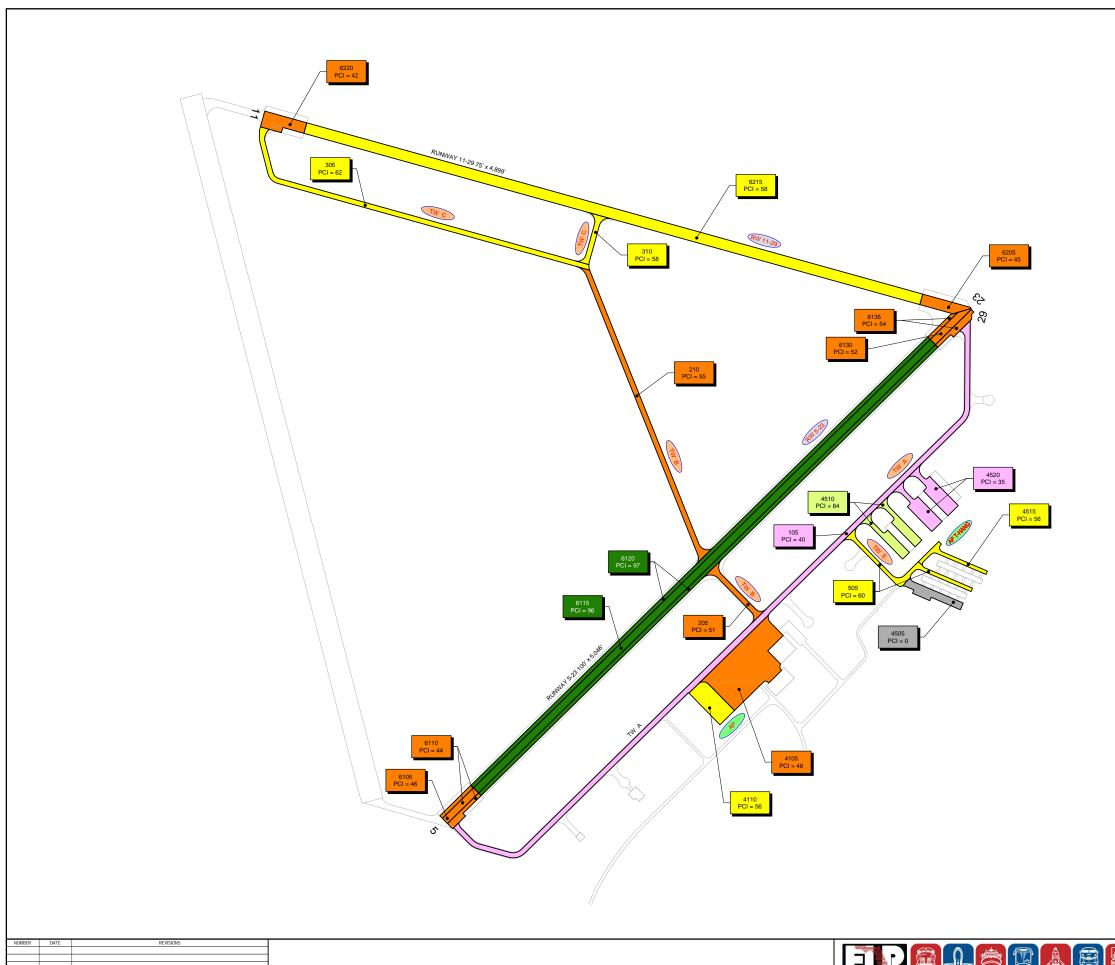
4 of 4

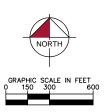
Summary:

Work Description	Section Count	Area Total (SqFt)	Thickness Avg (in)	Thickness STD (in)
BUILT	14	1,409,449.00	5.27	3.13
Mill and Overlay	2	440,000.00	.00	.00
New Construction - AC	3	117,932.00	.00	.00
New Construction - Initial	4	144,716.00	.00	.00
OVERLAY	14	1,527,805.00	1.00	1.15
Patching - PCC	4	68,170.00	.00	.00
REPAIR	2	50,305.00		

APPENDIX B

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





LEGEND

RW 13-31 TYPICAL RUNWAY BRANCH ID

TYPICAL TAXIWAY BRANCH ID

- TYPICAL APRON BRANCH ID

PCI 86-100 GOOD

PCI 71-85 SATISFACTORY

PCI 56-70 FAIR

PCI 41-55 POOR

PCI 26-40 VERY POOR

PCI 11-25 SERIOUS PCI 0-10 FAILED

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

K:\SPR Avision\\45073022\\CACO\\PLASSETTS\422 - KTYSTOK ARPASY\DOKSTT\$\003-422-0000TDN.deo PLOTED: December 2, 2013 - 3:03 PM, 811 Hovel, James													
DESIGNED:	KHA	DRAWN:	KHA	CHECKED:	KHA	DATE:	2013						
NUMBER	DATE		REVISIONS										

OFFICE OF FREIGHT, LOGISTICS & PASSENGER OPERATIONS



AIRFIELD PAVEMENT CONDITINON INDEX RATING EXHIBIT KEYSTONE AIRPARK CLAY COUNTY, FLORIDA FLORIDA DEPARTMENT OF TRANSPORTATION - AVIATION AND SPACEPORT OFFICE



Table B-1: Pavement Condition Index Inventory

Branch Name	Branch ID	Branch Use	Section ID	True Area (FT²)	Section Rank	Surface Type	PCI	PCI Category	Total Samples Inspected	Total Samples
RUNWAY 11-29	RW 11-29	RUNWAY	6220	28,125	S	PCC	42	Poor	2	4
RUNWAY 11-29	RW 11-29	RUNWAY	6215	329,625	S	AC	58	Fair	18	88
RUNWAY 11-29	RW 11-29	RUNWAY	6205	22,180	S	PCC	45	Poor	3	6
RUNWAY 5-23	RW 5-23	RUNWAY	6135	19,418	Р	PCC	54	Poor	1	3
RUNWAY 5-23	RW 5-23	RUNWAY	6130	15,627	Р	PCC	52	Poor	2	4
RUNWAY 5-23	RW 5-23	RUNWAY	6120	220,000	Р	AAC	97	Good	8	44
RUNWAY 5-23	RW 5-23	RUNWAY	6115	220,000	Р	AAC	96	Good	8	44
RUNWAY 5-23	RW 5-23	RUNWAY	6110	18,125	Р	PCC	44	Poor	2	4
RUNWAY 5-23	RW 5-23	RUNWAY	6105	15,000	Р	PCC	46	Poor	2	4
APRON T-HANGARS	AP T-HANG	APRON	4520	61,168	Р	AC	35	Very Poor	3	14
APRON T-HANGARS	AP T-HANG	APRON	4515	15,277	Р	AC	56	Fair	1	3
APRON T-HANGARS	AP T-HANG	APRON	4510	41,487	Р	AC	84	Satisfactory	1	10
APRON T-HANGARS	AP T-HANG	APRON	4505	24,431	Р	PCC	0	Failed	1	6
APRON	AP	APRON	4110	42,163	Р	AC	56	Fair	1	6
APRON	AP	APRON	4105	167,821	Р	PCC	48	Poor	4	33
TAXIWAY E - CONNECTOR TO T-HANGAR	TW E	TAXIWAY	505	31,823	Р	AC	60	Fair	2	6
TAXIWAY C	TW C	TAXIWAY	310	14,679	Р	AC	58	Fair	1	3
TAXIWAY C	TW C	TAXIWAY	305	92,494	Р	AC	62	Fair	6	26
TAXIWAY B	TW B	TAXIWAY	210	77,412	Р	AC	55	Poor	4	21
TAXIWAY B	TW B	TAXIWAY	205	19,612	Р	AAC	51	Poor	2	5
TAXIWAY A	TW A	TAXIWAY	105	195,630	Р	AAC	40	Very Poor	6	55

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

^{*} Sections not surveyed due to reasons such as re-sectioning, no escort, not accessible at the time of survey.

APPENDIX C

- BRANCH CONDITION REPORT
- SECTION CONDITION REPORT

Branch Condition Report

1 of 2

Pavement Database: FDOT NetworkID: 42J

Number of Sum Section Avg Section PCI Weighted **True Area** Average **Branch ID** Use Width Sections Length Standard Average (SqFt) PCI PCI (Ft) (Ft) Deviation AP (APRON) 2 800.00 219.00 209,984.00 **APRON** 52.00 4.00 49.61 APT-HANG (APRON T-HANGARS) 4 2,565.00 65.00 142,363.00 **APRON** 45.53 43.75 30.66 RW 11-29 (RUNWAY 11-29) 3 4,975.00 75.00 379,930.00 **RUNWAY** 48.33 6.94 56.06 RW 5-23 (RUNWAY 5-23) 6 10,000.00 80.00 508,170.00 **RUNWAY** 64.83 22.65 90.14 TW A (TAXIWAY A) 1 5,500.00 35.00 195,630.00 **TAXIWAY** 40.00 0.00 40.00 TW B (TAXIWAY B) 2 2,570.00 35.00 97,024.00 **TAXIWAY** 53.00 2.00 54.19 TW C (TAXIWAY C) 2 2,930.00 35.00 107,173.00 **TAXIWAY** 60.00 2.00 61.45 TW E (TAXIWAY E - CONNECTOR 1,200.00 31,823.00 **TAXIWAY** 60.00 1 25.00 60.00 0.00 TO T-HANGAR)

Branch Condition Report

Pavement Database: FDOT

Use Category	Number of Sections	Total Area (SqFt)	Arithmetic Average PCI	Average PCI STD.	Weighted Average PCI
APRON	6	352,347.00	46.50	25.44	47.96
RUNWAY	9	888,100.00	59.33	20.46	75.56
TAXIWAY	6	431,650.00	54.33	7.32	49.99
All	21	1,672,097.00	54.24	20.19	63.14

2 of 2

Section Condition Report

Pavement Database: FDOT

NetworkID: 42J

Last Age Section ID Surface Use Lanes Branch ID Last Rank True Area PCI Inspection Αt Const. (SqFt) Date Inspection Date AP (APRON) PCC **APRON** Ρ 4105 01/01/1943 0 167,821.00 09/16/2013 70 48.00 AP (APRON) 4110 01/01/1990 AC **APRON** Ρ 0 42,163.00 09/16/2013 23 56.00 AP T-HANG (APRON T-HANGARS) 4505 01/01/1943 PCC **APRON** Ρ 24,431.00 09/16/2013 70 0.00 AP T-HANG (APRON T-HANGARS) Ρ 4510 01/01/2004 AC **APRON** 0 41,487.00 09/16/2013 9 84.00 AP T-HANG (APRON T-HANGARS) Ρ 4515 01/01/2008 AC **APRON** 0 15,277.00 09/16/2013 5 56.00 AP T-HANG (APRON T-HANGARS) **APRON** Р 4520 01/01/2009 AC 0 61,168.00 09/16/2013 4 35.00 RW 11-29 (RUNWAY 11-29) PCC 6205 01/01/1942 **RUNWAY** S 0 22,180.00 09/16/2013 71 45.00 RW 11-29 (RUNWAY 11-29) 6215 01/01/1991 AC **RUNWAY** S 0 329,625.00 09/16/2013 22 58.00 RW 11-29 (RUNWAY 11-29) 01/01/1942 PCC **RUNWAY** S 28,125.00 09/16/2013 6220 0 71 42.00 RW 5-23 (RUNWAY 5-23) 6105 01/01/1943 PCC **RUNWAY** Ρ 0 15,000.00 09/16/2013 46.00 70 RW 5-23 (RUNWAY 5-23) 6110 01/01/1943 PCC **RUNWAY** Ρ 0 18,125.00 09/16/2013 70 44.00 RW 5-23 (RUNWAY 5-23) Р **RUNWAY** 6115 07/01/2010 AAC 0 220,000.00 09/16/2013 3 96.00 RW 5-23 (RUNWAY 5-23) 6120 07/01/2010 AAC **RUNWAY** Ρ 0 220,000.00 09/16/2013 3 97.00 RW 5-23 (RUNWAY 5-23) 6130 01/01/1943 PCC **RUNWAY** Ρ 15,627.00 09/16/2013 52.00 RW 5-23 (RUNWAY 5-23) 01/01/1943 PCC **RUNWAY** Ρ 19,418.00 09/16/2013 6135 0 70 54.00 TW A (TAXIWAY A) Р 105 01/01/1987 AAC **TAXIWAY** 0 195,630.00 09/16/2013 26 40.00 TW B (TAXIWAY B) **TAXIWAY** Р 19,612.00 09/16/2013 205 01/01/1987 AAC 0 26 51.00 TW B (TAXIWAY B) Р **TAXIWAY** 01/01/1997 AC 0 77,412.00 09/16/2013 55.00 210 16 TW C (TAXIWAY C) 305 01/01/1997 AC **TAXIWAY** Ρ 0 92,494.00 09/16/2013 16 62.00 TW C (TAXIWAY C) AC **TAXIWAY** Ρ 310 01/01/1997 0 14,679.00 09/16/2013 16 58.00 TW E (TAXIWAY E - CONNECTOR TO 505 01/01/1990 AC **TAXIWAY** Ρ 0 31,823.00 09/16/2013 60.00 23 T-HANGAR)

1 of 2

Section Condition Report

2 of 2

Pavement Database: FDOT

Age Category	Average Age At Inspection	Total Area (SqFt)	Number of Sections	Arithmetic Average PCI	PCI Standard Deviation	Weighted Average PCI
03-05	3.75	516,445.00	4	71.00	30.67	88.02
06-10	9.00	41,487.00	1	84.00	0.00	84.00
16-20	16.00	184,585.00	3	58.33	3.51	58.75
21-25	22.67	403,611.00	3	58.00	2.00	57.95
26-30	26.00	215,242.00	2	45.50	7.78	41.00
over 40	70.25	310,727.00	8	41.38	17.20	43.72
All	35.90	1,672,097.00	21	54.24	20.69	63.14

APPENDIX D

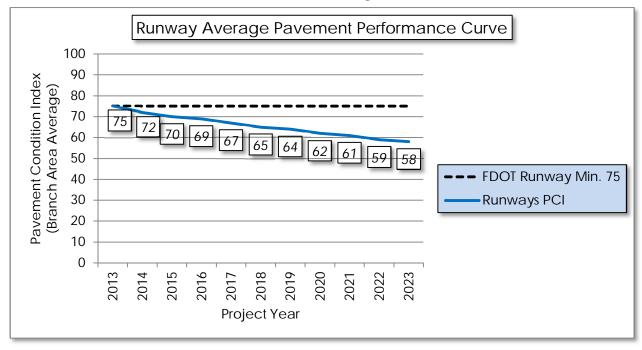
- PAVEMENT PERFORMANCE PREDICTION
- PAVEMENT PERFORMANCE BY PAVEMENT USE

Table D-1: Pavement Performance Prediction

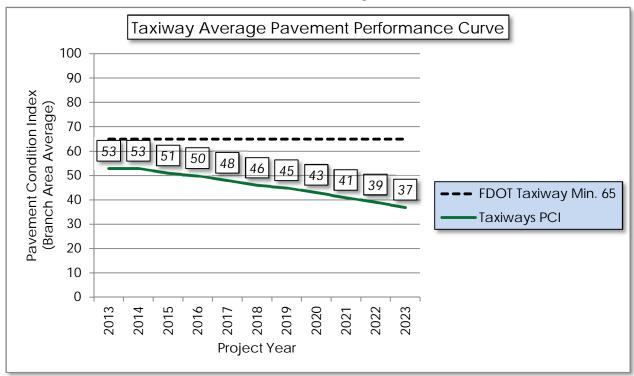
Branch	Section	Current			Paver	ment P	erform	nance	Mode	l - PCI		
ID	ID	PCI	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
RW 11-29	6220	42	42	41	41	41	40	40	39	39	38	38
RW 11-29	6215	58	58	57	56	55	54	53	52	51	50	50
RW 11-29	6205	45	45	44	44	43	43	42	42	42	41	41
RW 5-23	6135	54	54	53	52	51	50	50	49	49	49	49
RW 5-23	6130	52	52	51	50	50	49	49	49	49	48	48
RW 5-23	6120	97	96	93	91	88	85	82	79	77	75	72
RW 5-23	6115	96	95	92	89	87	84	81	79	76	74	72
RW 5-23	6110	44	44	43	43	43	42	42	41	41	40	40
RW 5-23	6105	46	46	46	46	46	46	46	46	46	46	46
AP T-HANG	4520	35	35	35	35	35	35	35	34	34	34	34
AP T-HANG	4515	56	56	55	54	53	52	51	50	49	48	48
AP T-HANG	4510	84	83	80	77	75	73	72	71	69	68	68
AP T-HANG	4505	0	0	0	0	0	0	0	0	0	0	0
AP	4110	56	56	55	54	53	52	51	50	49	48	48
AP	4105	48	48	47	46	45	44	43	41	40	39	38
TW E	505	60	60	59	58	58	57	56	55	54	53	51
TW C	310	58	58	57	56	55	54	53	52	51	49	48
TW C	305	62	62	61	61	60	60	59	58	58	57	56
TW B	210	55	55	54	53	51	50	49	48	47	45	44
TW B	205	51	50	48	45	42	37	34	30	26	23	19
TW A	105	40	39	35	31	27	24	20	17	13	9	6

Figure D-1: Pavement Performance by Pavement Use

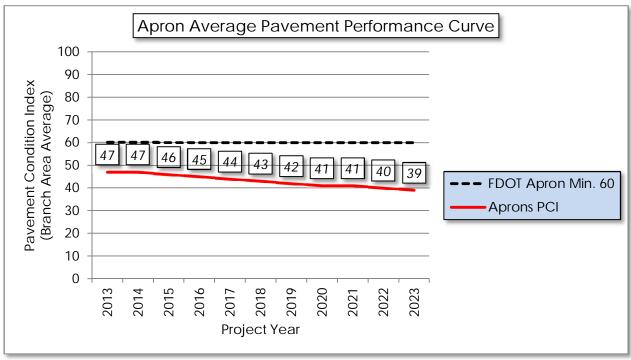
(a) Runway



(b) Taxiway



(c) Apron



APPENDIX E

YEAR-1 PREVENTATIVE ACTIVITIES

Table E-1: Year-1 Preventative Activities

Branch Name	Branch ID	Section ID	Distress Description	Distress Severity	Work Description	Work Quantity	Work Unit	Unit Cost	Work Cost
RUNWAY 11-29	RW 11-29	6220	CORNER BREAK	L	Patching - PCC Partial Depth	221.40	SqFt	\$19.10	\$ 4,229.29
RUNWAY 11-29	RW 11-29	6220	JT SEAL DMG	M	Joint Seal - PCC	2,325.00	Ft	\$3.00	\$ 6,974.99
RUNWAY 11-29	RW 11-29	6220	SCALING	L	Patching - PCC Partial Depth	3,339.40	SqFt	\$19.10	\$ 63,783.05
RUNWAY 11-29	RW 11-29	6220	FAULTING	L	Patching - PCC Partial Depth	281.20	SqFt	\$19.10	\$ 5,371.20
RUNWAY 11-29	RW 11-29	6220	Shat. Slab	L	Slab Replacement - PCC	1,607.10	SqFt	\$45.00	\$ 72,321.43
RUNWAY 11-29	RW 11-29	6220	SHRINKAGE CR	N	Crack Sealing - PCC	101.20	Ft	\$4.25	\$ 430.26
RUNWAY 11-29	RW 11-29	6220	JOINT SPALL	L	Patching - PCC Partial Depth	27.70	SqFt	\$19.10	\$ 528.66
RUNWAY 11-29	RW 11-29	6220	JOINT SPALL	M	Patching - PCC Partial Depth	22.10	SqFt	\$19.10	\$ 422.93
RUNWAY 11-29	RW 11-29	6220	CORNER SPALL	L	Patching - PCC Partial Depth	9.20	SqFt	\$19.10	\$ 176.22
RUNWAY 11-29	RW 11-29	6220	CORNER SPALL	M	Patching - PCC Partial Depth	4.60	SqFt	\$19.10	\$ 88.11
RUNWAY 11-29	RW 11-29	6215	L&TCR	M	Crack Sealing - AC	1,943.60	Ft	\$2.75	\$ 5,344.80
RUNWAY 11-29	RW 11-29	6215	L&TCR	L	Crack Sealing - AC	20,969.00	Ft	\$2.75	\$ 57,664.78
RUNWAY 11-29	RW 11-29	6215	RAVELING	L	Surface Seal	327,764.40	SqFt	\$0.55	\$ 180,271.95
RUNWAY 11-29	RW 11-29	6215	RAVELING	M	Surface Seal	1,860.50	SqFt	\$0.55	\$ 1,023.31

Branch Name	Branch ID	Section ID	Distress Description	Distress Severity	Work Description	Work Quantity	Work Unit	Unit Cost	W	Vork Cost
RUNWAY 11-29	RW 11-29	6205	CORNER BREAK	L	Patching - PCC Partial Depth	94.30	SqFt	\$19.10	\$	1,800.31
RUNWAY 11-29	RW 11-29	6205	JT SEAL DMG	M	Joint Seal - PCC	2,400.00	Ft	\$3.00	\$	7,199.99
RUNWAY 11-29	RW 11-29	6205	SCALING	L	Patching - PCC Partial Depth	2,992.70	SqFt	\$19.10	\$	57,159.77
RUNWAY 11-29	RW 11-29	6205	SCALING	M	Patching - PCC Partial Depth	149.60	SqFt	\$19.10	\$	2,857.99
RUNWAY 11-29	RW 11-29	6205	FAULTING	L	Patching - PCC Partial Depth	119.70	SqFt	\$19.10	\$	2,286.39
RUNWAY 11-29	RW 11-29	6205	FAULTING	M	Restoration - PCC/CRCP	36.50	Ft	\$45.00	\$	1,641.89
RUNWAY 11-29	RW 11-29	6205	SHAT. SLAB	L	Slab Replacement - PCC	456.10	SqFt	\$45.00	\$	20,523.65
RUNWAY 11-29	RW 11-29	6205	SHRINKAGE CR	N	Crack Sealing - PCC	100.60	Ft	\$4.25	\$	427.35
RUNWAY 11-29	RW 11-29	6205	JOINT SPALL	L	Patching - PCC Partial Depth	15.70	SqFt	\$19.10	\$	300.05
RUNWAY 11-29	RW 11-29	6205	JOINT SPALL	M	Patching - PCC Partial Depth	56.60	SqFt	\$19.10	\$	1,080.18
RUNWAY 5-23	RW 5-23	6135	JT SEAL DMG	M	Joint Seal - PCC	3,200.00	Ft	\$3.00	\$	9,599.98
RUNWAY 5-23	RW 5-23	6135	SCALING	L	Patching - PCC Partial Depth	8,473.80	SqFt	\$19.10	\$ 1	161,849.48
RUNWAY 5-23	RW 5-23	6135	SHRINKAGE CR	N	Crack Sealing - PCC	64.20	Ft	\$4.25	\$	272.95
RUNWAY 5-23	RW 5-23	6135	JOINT SPALL	L	Patching - PCC Partial Depth	23.40	SqFt	\$19.10	\$	447.16
RUNWAY 5-23	RW 5-23	6135	CORNER SPALL	L	Patching - PCC Partial Depth	23.40	SqFt	\$19.10	\$	447.16

Branch Name	Branch ID	Section ID	Distress Description	Distress Severity	Work Description	Work Quantity	Work Unit	Unit Cost	١	Work Cost
RUNWAY 5-23	RW 5-23	6130	CORNER BREAK	L	Patching - PCC Partial Depth	117.10	SqFt	\$19.10	\$	2,235.80
RUNWAY 5-23	RW 5-23	6130	JT SEAL DMG	M	Joint Seal - PCC	1,594.50	Ft	\$3.00	\$	4,783.54
RUNWAY 5-23	RW 5-23	6130	SCALING	L	Patching - PCC Partial Depth	5,946.50	SqFt	\$19.10	\$	113,578.58
RUNWAY 5-23	RW 5-23	6130	SHRINKAGE CR	N	Crack Sealing - PCC	142.70	Ft	\$4.25	\$	606.55
RUNWAY 5-23	RW 5-23	6130	JOINT SPALL	L	Patching - PCC Partial Depth	19.50	SqFt	\$19.10	\$	372.63
RUNWAY 5-23	RW 5-23	6120	L&TCR	L	Crack Sealing - AC	1,023.00	Ft	\$2.75	\$	2,813.25
RUNWAY 5-23	RW 5-23	6115	L&TCR	L	Crack Sealing - AC	1,606.00	Ft	\$2.75	\$	4,416.50
RUNWAY 5-23	RW 5-23	6110	CORNER BREAK	L	Patching - PCC Partial Depth	258.30	SqFt	\$19.10	\$	4,934.18
RUNWAY 5-23	RW 5-23	6110	JT SEAL DMG	M	Joint Seal - PCC	3,200.00	Ft	\$3.00	\$	9,599.98
RUNWAY 5-23	RW 5-23	6110	SCALING	М	Patching - PCC Partial Depth	820.20	SqFt	\$19.10	\$	15,666.01
RUNWAY 5-23	RW 5-23	6110	SCALING	L	Patching - PCC Partial Depth	4,511.20	SqFt	\$19.10	\$	86,163.06
RUNWAY 5-23	RW 5-23	6110	SHRINKAGE CR	N	Crack Sealing - PCC	137.80	Ft	\$4.25	\$	585.63
RUNWAY 5-23	RW 5-23	6110	JOINT SPALL	M	Patching - PCC Partial Depth	25.80	SqFt	\$19.10	\$	493.42
RUNWAY 5-23	RW 5-23	6110	JOINT SPALL	L	Patching - PCC Partial Depth	43.10	SqFt	\$19.10	\$	822.36
RUNWAY 5-23	RW 5-23	6110	CORNER SPALL	L	Patching - PCC Partial Depth	10.80	SqFt	\$19.10	\$	205.59

Branch Name	Branch ID	Section ID	Distress Description	Distress Severity	Work Description	Work Quantity	Work Unit	Unit Cost	\	Work Cost
RUNWAY 5-23	RW 5-23	6105	JT SEAL DMG	M	Joint Seal - PCC	3,200.00	Ft	\$3.00	\$	9,599.98
RUNWAY 5-23	RW 5-23	6105	SCALING	L	Patching - PCC Partial Depth	5,905.50	SqFt	\$19.10	\$	112,795.28
RUNWAY 5-23	RW 5-23	6105	FAULTING	L	Patching - PCC Partial Depth	393.70	SqFt	\$19.10	\$	7,519.69
RUNWAY 5-23	RW 5-23	6105	SHRINKAGE CR	N	Crack Sealing - PCC	118.10	Ft	\$4.25	\$	501.97
RUNWAY 5-23	RW 5-23	6105	JOINT SPALL	M	Patching - PCC Partial Depth	62.00	SqFt	\$19.10	\$	1,184.20
RUNWAY 5-23	RW 5-23	6105	JOINT SPALL	L	Patching - PCC Partial Depth	64.60	SqFt	\$19.10	\$	1,233.54
RUNWAY 5-23	RW 5-23	6105	CORNER SPALL	L	Patching - PCC Partial Depth	25.80	SqFt	\$19.10	\$	493.42
RUNWAY 5-23	RW 5-23	6105	CORNER SPALL	М	Patching - PCC Partial Depth	12.90	SqFt	\$19.10	\$	246.71
APRON T-HANGARS	AP T-HANG	4520	BLOCK CR	L	Surface Seal	943.40	SqFt	\$0.55	\$	518.87
APRON T-HANGARS	AP T-HANG	4520	DEPRESSION	M	Patching - AC Full Depth	107.50	SqFt	\$5.00	\$	537.64
APRON T-HANGARS	AP T-HANG	4520	DEPRESSION	L	Patching - AC Full Depth	350.80	SqFt	\$5.00	\$	1,754.09
APRON T-HANGARS	AP T-HANG	4520	L&TCR	Н	Crack Sealing - AC	642.00	Ft	\$2.75	\$	1,765.59
APRON T-HANGARS	AP T-HANG	4520	L&TCR	M	Crack Sealing - AC	3,323.70	Ft	\$2.75	\$	9,140.25
APRON T-HANGARS	AP T-HANG	4520	L&TCR	L	Crack Sealing - AC	8,791.90	Ft	\$2.75	\$	24,177.82
APRON T-HANGARS	AP T-HANG	4520	SWELLING	Н	Patching - AC Full Depth	19,083.60	SqFt	\$5.00	\$	95,417.94

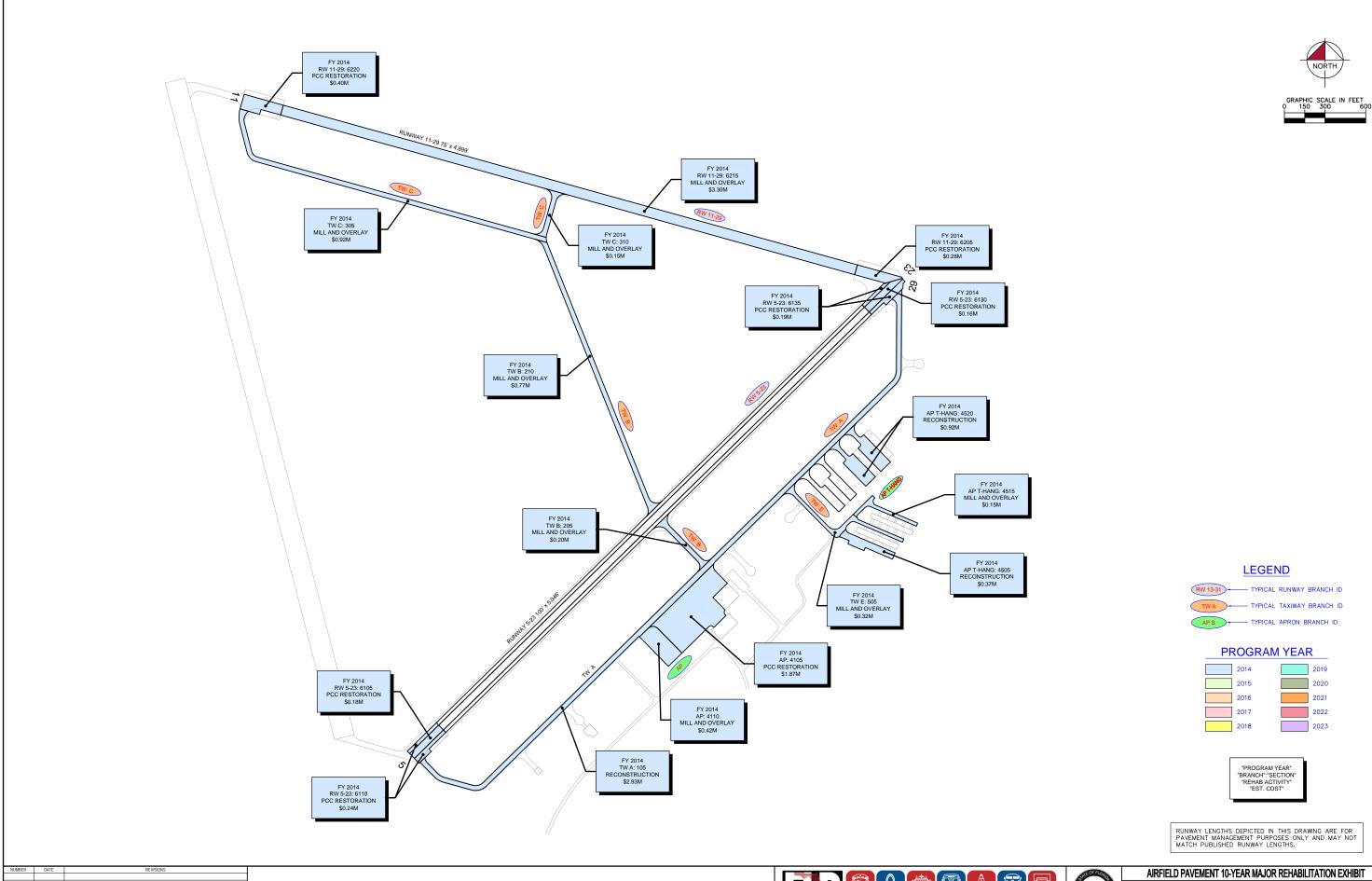
Branch Name	Branch ID	Section ID	Distress Description	Distress Severity	Work Description	Work Quantity	Work Unit	Unit Cost	Work Cost
APRON T-HANGARS	AP T-HANG	4515	L&TCR	М	Crack Sealing - AC	342.20	Ft	\$2.75	\$ 941.06
APRON T-HANGARS	AP T-HANG	4515	L&TCR	L	Crack Sealing - AC	1,475.80	Ft	\$2.75	\$ 4,058.33
APRON T-HANGARS	AP T-HANG	4515	RAVELING	L	Surface Seal	15,277.00	SqFt	\$0.55	\$ 8,402.42
APRON T-HANGARS	AP T-HANG	4510	L&TCR	L	Crack Sealing - AC	390.00	Ft	\$2.75	\$ 1,072.44
APRON T-HANGARS	AP T-HANG	4505	JT SEAL DMG	Н	Joint Seal - PCC	2,543.90	Ft	\$3.00	\$ 7,631.60
APRON T-HANGARS	AP T-HANG	4505	SHAT. SLAB	Н	Slab Replacement - PCC	25,937.50	SqFt	\$45.00	\$ 1,167,187.58
APRON	AP	4110	BLOCK CR	L	Surface Seal	3,312.80	SqFt	\$0.55	\$ 1,822.06
APRON	AP	4110	L&TCR	L	Crack Sealing - AC	2,710.50	Ft	\$2.75	\$ 7,453.81
APRON	AP	4110	RAVELING	L	Surface Seal	42,163.00	SqFt	\$0.55	\$ 23,189.84
APRON	AP	4110	SHOVING	L	Grinding (Localized)	42.60	Ft	\$2.10	\$ 89.54
APRON	AP	4105	JT SEAL DMG	M	Joint Seal - PCC	17,205.20	Ft	\$3.00	\$ 51,615.60
APRON	AP	4105	SMALL PATCH	M	Slab Replacement - PCC	15,410.20	SqFt	\$45.00	\$ 693,457.08
APRON	AP	4105	SMALL PATCH	Н	Slab Replacement - PCC	2,568.40	SqFt	\$45.00	\$ 115,576.18
APRON	AP	4105	SCALING	L	Patching - PCC Partial Depth	32,862.90	SqFt	\$19.10	\$ 627,680.77
APRON	AP	4105	FAULTING	L	Patching - PCC Partial Depth	2,696.40	SqFt	\$19.10	\$ 51,502.01

Branch Name	Branch ID	Section ID	Distress Description	Distress Severity	Work Description	Work Work Unit Cost		\	Vork Cost	
APRON	AP	4105	FAULTING	M	Restoration - PCC/CRCP	205.50	Ft	\$45.00	\$	9,246.09
APRON	AP	4105	SHRINKAGE CR	N	Crack Sealing - PCC	202.20	Ft	\$4.25	\$	859.49
APRON	AP	4105	JOINT SPALL	L	Patching - PCC Partial Depth	110.60	SqFt	\$19.10	\$	2,112.12
APRON	AP	4105	JOINT SPALL	М	Patching - PCC Partial Depth	53.10	SqFt	\$19.10	\$	1,013.82
APRON	AP	4105	CORNER SPALL	L	Patching - PCC Partial Depth	22.10	SqFt	\$19.10	\$	422.42
TAXIWAY E	TW E	505	L&TCR	L	Crack Sealing - AC	1,256.20	Ft	\$2.75	\$	3,454.47
TAXIWAY E	TW E	505	OIL SPILLAGE	N	Surface Seal	82.00	SqFt	\$0.55	\$	45.09
TAXIWAY E	TW E	505	RAVELING	L	Surface Seal	31,227.50	SqFt	\$0.55	\$	17,175.26
TAXIWAY C	TW C	310	DEPRESSION	L	Patching - AC Full Depth	160.60	SqFt	\$5.00	\$	802.84
TAXIWAY C	TW C	310	L&TCR	L	Crack Sealing - AC	144.90	Ft	\$2.75	\$	398.51
TAXIWAY C	TW C	310	RAVELING	L	Surface Seal	8,808.50	SqFt	\$0.55	\$	4,844.74
TAXIWAY C	TW C	305	L&TCR	L	Crack Sealing - AC	2,316.20	Ft	\$2.75	\$	6,369.59
TAXIWAY C	TW C	305	RAVELING	M	Surface Seal	9,282.60	SqFt	\$0.55	\$	5,105.45
TAXIWAY C	TW C	305	RAVELING	L	Surface Seal	55,164.90	SqFt	\$0.55	\$	30,340.94
TAXIWAY C	TW C	305	RAVELING	Н	Patching - AC Partial Depth	30.90	SqFt	\$3.00	\$	92.83

Branch Name	Branch ID	Section ID	Distress Description	Distress Severity	Work Description	Work Quantity	Work Unit	Unit Cost	Wo	ork Cost
TAXIWAY B	TW B	210	L & T CR	L	Crack Sealing - AC	1,994.90	Ft	\$2.75	\$	5,485.87
TAXIWAY B	TW B	210	RAVELING	М	Surface Seal	15,571.20	SqFt	\$0.55	\$	8,564.22
TAXIWAY B	TW B	210	RAVELING	L	Surface Seal	28,759.70	SqFt	\$0.55	\$ 1	5,817.99
TAXIWAY B	TW B	205	L&TCR	L	Crack Sealing - AC	2,588.80	Ft	\$2.75	\$	7,119.15
TAXIWAY B	TW B	205	RAVELING	М	Surface Seal	2,241.40	SqFt	\$0.55	\$	1,232.76
TAXIWAY B	TW B	205	RAVELING	L	Surface Seal	16,390.00	SqFt	\$0.55	\$	9,014.59
TAXIWAY A	TW A	105	L & T CR	М	Crack Sealing - AC	36.60	Ft	\$2.75	\$	100.57
TAXIWAY A	TW A	105	L & T CR	L	Crack Sealing - AC	31,504.90	Ft	\$2.75	\$ 8	6,638.27
TAXIWAY A	TW A	105	RAVELING	L	Surface Seal	118,833.50	SqFt	\$0.55	\$ 6	5,358.96
TAXIWAY A	TW A	105	RAVELING	М	Surface Seal	76,796.50	SqFt	\$0.55	\$ 4	2,238.44
		1	<u> </u>	<u> </u>	ı			Total =	\$ 4,26	66,224.15

APPENDIX F

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



AIRFIELD PAVEMENT 10-YEAR MAJOR REHABILITATION EXHIBIT

KEYSTONE AIRPARK

CLAY COUNTY, FLORIDA

FLORIDA DEPARTMENT OF TRANSPORTATION - AVIATION AND SPACEPORT OFFICE

PROLIBERATION - AVIATION AND SPACEPORT OFFICE

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

Year	Branch ID	Section ID	Major M&R Costs*	PCI Before M&R	M&R Activity	PCI After M&R
2014	RW 11-29	6220	\$ 395,578.11	42	PCC Restoration	100
2014	RW 11-29	6215	\$ 3,296,249.84	58	Mill and Overlay	100
2014	RW 11-29	6205	\$ 278,691.83	45	PCC Restoration	100
2014	RW 5-23	6135	\$ 194,179.99	54	PCC Restoration	100
2014	RW 5-23	6130	\$ 156,269.99	52	PCC Restoration	100
2014	RW 5-23	6110	\$ 236,803.13	44	PCC Restoration	100
2014	RW 5-23	6105	\$ 180,149.92	46	PCC Restoration	100
2014	AP T-HANG	4520	\$ 917,520.22	35	Reconstruction	100
2014	AP T-HANG	4515	\$ 152,769.99	56	Mill and Overlay	100
2014	AP T-HANG	4505	\$ 366,465.09	0	Reconstruction	100
2014	AP	4110	\$ 421,629.98	56	Mill and Overlay	100
2014	AP	4105	\$ 1,867,847.36	48	PCC Restoration	100
2014	TW E	505	\$ 318,229.99	60	Mill and Overlay	100
2014	TW C	310	\$ 146,789.99	58	Mill and Overlay	100
2014	TW C	305	\$ 924,939.96	62	Mill and Overlay	100
2014	TW B	210	\$ 774,119.96	55	Mill and Overlay	100
2014	TW B	205	\$ 196,119.99	50	Mill and Overlay	100
2014	TW A	105	\$ 2,934,450.69	39	Reconstruction	100
		Total =	\$13,758,806.03			

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

APPENDIX G

PHOTOGRAPHS



Runway 5-23, Section 6110, Sample Unit 96 – Medium Severity (65) Joint Seal Damage, Low Severity (63) Longitudinal, Transverse, and Diagonal Cracking, Low Severity (67) Large Patching



Runway 5-23, Section 6115, Sample Unit 307 - Low Severity (48) Longitudinal and Transverse Cracking



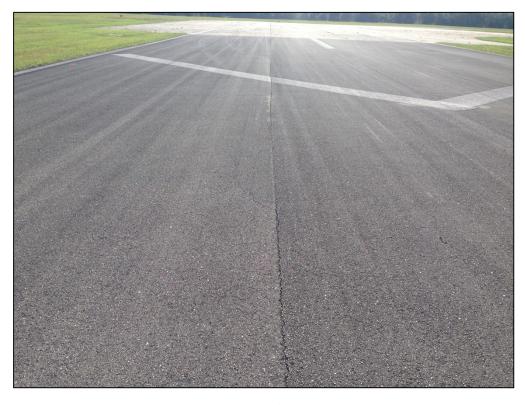
Runway 5-23, Section 6120, Sample Unit 504 - Low Severity (48) Longitudinal and Transverse Cracking



Runway 5-23, Section 6130, Sample Unit 344 – Medium Severity (65) Joint Seal Damage, Low Severity (63) Longitudinal, Transverse, and Diagonal Cracking, Low Severity (66) Small Patching, Low Severity (67) Large Patching, Low Severity (62) Corner Break, (73) Shrinkage Cracking



Runway 11-29, Section 6205, Sample Unit 195 - Medium Severity (65) Joint Seal Damage, Medium Severity (71) Faulting



Runway 11-29, Section 6215, Sample Unit 192 – Low Severity (48) Longitudinal and Transverse Cracking, Low Severity (52) Raveling, Low Severity (57) Weathering



Runway 11-29, Section 6215, Sample Unit 111 – Low and Medium Severity (48) Longitudinal and Transverse Cracking, Low Severity (52) Raveling, Low Severity (57) Weathering



Runway 11-29, Section 6220, Sample Unit 103 – Medium Severity (65) Joint Seal Damage, Low Severity (63) Longitudinal, Transverse, and Diagonal Cracking



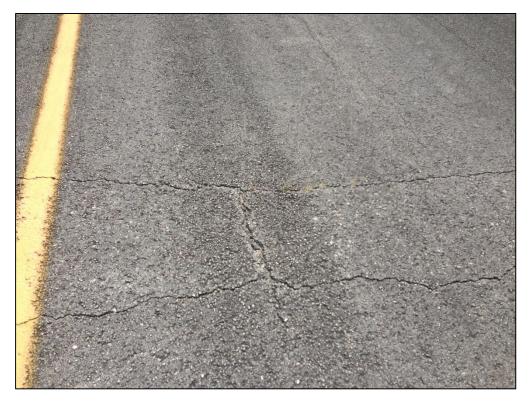
Taxiway C, Section 305, Sample Unit 132 – Low Severity (48) Longitudinal and Transverse Cracking, Low Severity (52) Raveling, Low Severity (57) Weathering



Taxiway B, Section 205, Sample Unit 101 - Low Severity (48) Longitudinal and Transverse Cracking, Low Severity (52) Raveling, Low Severity (57) Weathering



Apron, Section 4105, Sample Unit 500 – Medium Severity (65) Joint Seal Damage, Low Severity (63) Longitudinal, Transverse, and Diagonal Cracking, Low and Medium Severity (66) Small Patching



Taxiway A, Section 105, Sample Unit 153 – Low and Medium Severity (48) Longitudinal and Transverse Cracking, Low Severity (52) Raveling, Low Severity (57) Weathering



Apron T-Hang, Section 4520, Sample Unit 100 – Low Severity (48) Longitudinal and Transverse Cracking, Low Severity (57) Weathering, High Severity (56) Swelling



Apron T-Hang, Section 4520, Sample Unit 402 – Low Severity (48) Longitudinal and Transverse Cracking, Low Severity (57) Weathering, High Severity (56) Swelling



Apron T-Hang, Section 4520, Sample Unit 402 – Low Severity (48) Longitudinal and Transverse Cracking, Low Severity (57) Weathering, High Severity (56) Swelling



Apron T-Hang, Section 4520, Sample Unit 402 – Low and High Severity (48) Longitudinal and Transverse Cracking, Low Severity (57) Weathering, High Severity (56) Swelling

APPENDIX H

DISTRESS DATA – RE-INSPECTION REPORT

FDOT

Network: 42J Name: KEYSTONE AIRPARK					
Branch: AP Name: APRON		Use: APRON	Area:	209,984.00SqFt	
Section: 4105 of 2 From: - Surface: PCC Family: FDOT-SAPMP-GA-RV	V-TW-PCC Widtl	To: -	Zone:	Last Const.: Category:	01/01/1943 Rank: P
Area: 167,821.00SqFt Length: 500.00Ft Slabs: 526 Slab Width: 25.00Ft Shoulder: Street Type: Grade: 0.00 Section Comments:	Slab Length Lanes: 0		Joint Length	17,200.00Ft	
Last Insp. Date: 09/16/2013 Total Samples: 33 Surv Conditions: PCI: 48 Inspection Comments:	veyed: 4				
Sample Number: 101 Type: R Sample Comments:	Area:	16.00Slabs	PCI = 48		
65 JOINT SEAL DAMAGE	M	16.00 Slabs	Comments	:	
63 LINEAR CRACKING	${f L}$	15.00 Slabs	Comments	:	
70 SCALING/CRAZING	${f L}$	7.00 Slabs	Comments	:	
63 LINEAR CRACKING	M	1.00 Slabs	Comments	:	
66 SMALL PATCH	L	4.00 Slabs	Comments	:	
66 SMALL PATCH	M	1.00 Slabs	Comments	:	
66 SMALL PATCH	H	1.00 Slabs	Comments	:	
71 FAULTING	L	1.00 Slabs	Comments	:	
Sample Number: 205 Type: R Sample Comments:	Area:	16.00Slabs	PCI = 38		
65 JOINT SEAL DAMAGE	M	16.00 Slabs	Comments	:	
63 LINEAR CRACKING	L	14.00 Slabs	Comments	:	
63 LINEAR CRACKING	M	2.00 Slabs	Comments	:	
66 SMALL PATCH	L	2.00 Slabs	Comments	:	
66 SMALL PATCH	M	1.00 Slabs	Comments	:	
70 SCALING/CRAZING	L	12.00 Slabs	Comments	:	
71 FAULTING	L	3.00 Slabs	Comments	:	
71 FAULTING	M	1.00 Slabs	Comments	:	
73 SHRINKAGE CRACKING	N	2.00 Slabs	Comments	:	
74 JOINT SPALLING	М	1.00 Slabs	Comments	:	
Sample Number: 500 Type: R Sample Comments:	Area:	16.00Slabs	PCI = 45		
65 JOINT SEAL DAMAGE	M	16.00 Slabs	Comments	:	
63 LINEAR CRACKING	L	14.00 Slabs	Comments	:	
63 LINEAR CRACKING	M	1.00 Slabs	Comments	:	
66 SMALL PATCH	L	9.00 Slabs	Comments	:	
66 SMALL PATCH	M	4.00 Slabs	Comments	:	
70 SCALING/CRAZING	${f L}$	12.00 Slabs	Comments		
73 SHRINKAGE CRACKING	N	3.00 Slabs	Comments		
74 JOINT SPALLING	L	3.00 Slabs	Comments	:	
Sample Number: 503 Type: R Sample Comments:	Area:	16.00Slabs	PCI = 60		
65 JOINT SEAL DAMAGE	M	16.00 Slabs	Comments	:	
63 LINEAR CRACKING	L	7.00 Slabs	Comments	:	
70 SCALING/CRAZING	${f L}$	8.00 Slabs	Comments		
63 LINEAR CRACKING	M	1.00 Slabs	Comments		
74 JOINT SPALLING	$_{ m L}$	2.00 Slabs	Comments	:	

FDOT

Report Generated Date: September 27, 2013

75 CORNER SPALLING L 1.00 Slabs Comments:

FDOT

Report Generated Date: September 27, 2013

Network:	42J	Name: KEYSTONE AIRPARK			
Branch:	AP	Name: APRON	Use: APRON	Area:	209,984.00SqFt
Section: Surface:	4110 AC	of 2 From: - Family: FDOT-SAPMP-GA-AP-AC	То: -	Zone:	Last Const.: 01/01/1990 Category: Rank: P
Area: Shoulder:	42,163.00SqFt Street Ty	Length: 300.00Ft Width: vpe: Grade: 0.00 Lanes: 0	138.00Ft		0 ,

Section Comments:

Last Insp. Date: 09/16/2013 Total Samples: 6 Surveyed: 1

Conditions: PCI: 56 Inspection Comments:

Sample Number: 200 Type: R Sample Comments:	Area:	7,000.00SqFt	PCI = 56	
48 LONGITUDINAL/TRANSVERSE CRACKING	L	450.00	Ft Comments	:
43 BLOCK CRACKING	L	550.00	SqFt Comments	:
57 WEATHERING	L	7,000.00	SqFt Comments	:
52 RAVELING	L	7,000.00	SqFt Comments	:
54 SHOVING	L	16.00	SqFt Comments	:

FDOT

Report Generated Date: September 27, 2013

Network:	42J	Name: K	EYSTONE AIRPARK					
Branch:	AP T-HANG	Name: A	PRON T-HANGARS		Use: APRON	Area: 14	2,363.00SqFt	
Section:	4505	of 4	From: -		То: -		Last Const.:	01/01/1943
Surface:	PCC	Family:	FDOT-SAPMP-GA-RV	V-TW-PCC		Zone:	Category:	Rank: P
Area:	24,431.00SqFt	Len	gth: 520.00Ft	Width:	50.00Ft			
Slabs: 83	S	lab Width:	25.00Ft	Slab Length:	12.50Ft	Joint Length:	2,550.00Ft	
Shoulder:	Street Ty	ype:	Grade: 0.00	Lanes: 0				

Last Insp. Date: 09/16/2013 Total Samples: 6 Surveyed: 1

Conditions: PCI:0 Inspection Comments:

PCI = 0Type: R 4.00Slabs Sample Number: 102 Area: Sample Comments:

65 JOINT SEAL DAMAGE Η 4.00 Slabs Comments: 72 SHATTERED SLAB Η 4.00 Slabs Comments:

FDOT

Report Generated Date: September 27, 2013

Street Type:

Network: 42J Name: KEYSTONE AIRPARK Branch: AP T-HANG Name: APRON T-HANGARS Use: APRON Area: 142,363.00SqFt Section: 4510 of 4 From: -То: -Last Const.: 01/01/2004 Family: FDOT-SAPMP-GA-AP-AC Surface: ACZone: Category: Rank: P Area: 41,487.00SqFt Length: 780.00Ft Width: 100.00Ft

Lanes: 0

Section Comments:

Shoulder:

Last Insp. Date: 09/16/2013 Total Samples: 10 Surveyed: 1

Grade: 0.00

Conditions: PCI: 84 Inspection Comments:

San	ple Number:	102	Type: R		Area:		5,000.00SqFt		PCI = 84
Sam	ple Comments:								
57	WEATHERIN	G				L	4,950.00	SqFt	Comments:
56	SWELLING					L	18.00	SqFt	Comments:
50	PATCHING					L	50.00	SqFt	Comments:
48	LONGITUDI	NAL/1	RANSVERSE	CRACKING		L	47.00	Ft	Comments:

FDOT

Report Generated Date: September 27, 2013

Street Type:

Network: 42J Name: KEYSTONE AIRPARK Branch: AP T-HANG Name: APRON T-HANGARS Use: APRON Area: 142,363.00SqFt Section: 4515 4 From: -То: -Last Const.: 01/01/2008 of Family: DEFAULT Surface: Zone: Category: Rank: P ACArea: 15,277.00SqFt Length: 500.00Ft Width: 30.00Ft

Lanes: 0

Section Comments:

Shoulder:

Last Insp. Date: 09/16/2013 Total Samples: 3 Surveyed: 1

Grade: 0.00

Conditions: PCI: 56 Inspection Comments:

Sam	ple Number: 104	Type: R		Area:		5,000.00SqFt		PCI = 56
Sam	ple Comments:							
48	LONGITUDINA	L/TRANSVERSE	CRACKING		M	112.00	Ft	Comments:
48	LONGITUDINA	L/TRANSVERSE	CRACKING		L	483.00	Ft	Comments:
57	WEATHERING				L	5,000.00	SqFt	Comments:
52	RAVELING				L	5,000.00	SqFt	Comments:

FDOT

48 LONGITUDINAL/TRANSVERSE CRACKING

48 LONGITUDINAL/TRANSVERSE CRACKING

43 BLOCK CRACKING

Report Generated Date: Septe	mber 27, 2013							
Network: 42J N	ame: KEYSTONE AIRPARK							
Branch: AP T-HANG N	ame: APRON T-HANGARS			Use: AF	PRON	Area: 1	42,363.00SqFt	
Section: 4520 of Surface: AC	4 From: - Family: DEFAULT			То: -		Zone:	Last Const.: Category:	01/01/2009 Rank: P
Area: 61,168.00SqFt	Length: 765.00Ft		Width	n: 80.00	Ft			
Shoulder: Street Type:	Grade: 0.00	Lanes:	0					
Section Comments:								
Last Insp. Date: 09/16/2013 7 Conditions: PCI: 35 Inspection Comments:	Cotal Samples: 14 Surv	veyed: 3						
Sample Number: 100	Type: R	Area:	4	,005.00SqFt		PCI = 17		
Sample Comments: 45 DEPRESSION			L	36.00	Saft	Comments	•	
45 DEPRESSION			M	16.00		Comments		
48 LONGITUDINAL/TRA	ANSVERSE CRACKING		M	74.00	_	Comments		
48 LONGITUDINAL/TRA	ANSVERSE CRACKING		L	647.00	Ft	Comments	:	
56 SWELLING			H	600.00	SqFt	Comments	:	
56 SWELLING			H	143.00	SqFt	Comments	:	
57 WEATHERING			L	4,005.00	SqFt	Comments	:	
Sample Number: 202 Sample Comments:	Type: R	Area:	5	,000.00SqFt		PCI = 85		
48 LONGITUDINAL/TRA	ANSVERSE CRACKING		L	84.00	Ft	Comments	:	
57 WEATHERING			L	5,000.00	SqFt	Comments	:	
45 DEPRESSION			L	28.00	SqFt	Comments	:	
Sample Number: 402 Sample Comments:	Type: R	Area:	5	,000.00SqFt		PCI = 1		
56 SWELLING			H	3,500.00	_	Comments	:	
57 WEATHERING			L	5,000.00	_	Comments	:	
48 LONGITUDINAL/TRA	ANSVERSE CRACKING		M	687.00	Ft	Comments	:	

Η

1,282.00 Ft

147.00 Ft

216.00 SqFt

Comments:

Comments:

Comments:

Network: 42J Name: KEYSTONE AIRF	PARK				
Branch: RW 11-29 Name: RUNWAY 11-29		Use: RUNWAY	Area: 37	9,930.00SqFt	
Section: 6205 of 3 From: - Surface: PCC Family: FDOT-SAPMP	2-GΔ-RW-TW-PCC	То: -	Zone:	Last Const.: Category:	01/01/1942 Rank: S
·			Zone.	Category.	Kank. 5
	5.00Ft Width:				
Slabs: 108 Slab Width: 12.50Ft	Slab Length:	12.50Ft	Joint Length:	2,400.00Ft	
Shoulder: Street Type: Grade: 0.00	Lanes: 0				
Section Comments:					
Last Insp. Date: 09/16/2013 Total Samples: 6	Surveyed: 3				
Conditions: PCI: 45 Inspection Comments:					
Sample Number: 195 Type: R	Area:	12.00Slabs	PCI = 37		
Sample Comments:					
65 JOINT SEAL DAMAGE	M	12.00 Slabs	Comments:		
63 LINEAR CRACKING	L	7.00 Slabs	Comments:		
63 LINEAR CRACKING	M	1.00 Slabs	Comments:		
67 LARGE PATCH/UTILITY	L	6.00 Slabs	Comments:		
70 SCALING/CRAZING	L	5.00 Slabs	Comments:		
71 FAULTING	L	1.00 Slabs	Comments:		
71 FAULTING	M	1.00 Slabs	Comments:		
73 SHRINKAGE CRACKING 74 JOINT SPALLING	N L	4.00 Slabs 1.00 Slabs	Comments:		
74 JOINT SPALLING 74 JOINT SPALLING	<u>н</u> М	2.00 Slabs	Comments:		
			DCI 52		
Sample Number: 197 Type: R Sample Comments:	Area:	12.00Slabs	PCI = 52		
65 JOINT SEAL DAMAGE	М	12.00 Slabs	Comments:		
63 LINEAR CRACKING	L	3.00 Slabs	Comments:		
62 CORNER BREAK	L	1.00 Slabs	Comments:		
63 LINEAR CRACKING	M	1.00 Slabs	Comments:		
66 SMALL PATCH	L	1.00 Slabs	Comments:		
67 LARGE PATCH/UTILITY	L	1.00 Slabs	Comments:		
70 SCALING/CRAZING	L	7.00 Slabs	Comments:		
74 JOINT SPALLING	М	1.00 Slabs	Comments:		
Sample Number: 200 Type: R Sample Comments:	Area:	13.00Slabs	PCI = 47		
65 JOINT SEAL DAMAGE	М	13.00 Slabs	Comments:		
63 LINEAR CRACKING	L	6.00 Slabs	Comments:		
63 LINEAR CRACKING	M	1.00 Slabs	Comments:		
70 SCALING/CRAZING	L	8.00 Slabs	Comments:		
70 SCALING/CRAZING	M	1.00 Slabs	Comments:		
72 SHATTERED SLAB	L	1.00 Slabs	Comments:		
73 SHRINKAGE CRACKING	N	3.00 Slabs	Comments:		
74 JOINT SPALLING	L	1.00 Slabs	Comments:		

FDOT

Report Generated Date: September 27, 2013							
Network: 42J Name: KEYSTONE AIRPARK							
Branch: RW 11-29 Name: RUNWAY 11-29			Use: RU	NWAY	Area: 3	79,930.00 S qFt	
Section: 6215 of 3 From: -			То: -			Last Const.:	01/01/1991
Surface: AC Family: FDOT-SAPMP-GA-RW	V-AC				Zone:	Category:	Rank: S
Area: 329,625.00SqFt Length: 4,450.00Ft		Wic	lth: 75.00F	₹t			
Shoulder: Street Type: Grade: 0.00	Lanes:	: 0					
Section Comments:							
Last Insp. Date: 09/16/2013 Total Samples: 88 Surv	eyed:	18					
Conditions: PCI: 58 Inspection Comments:							
Sample Number: 108 Type: R	Area:		3,750.00SqFt		PCI = 54		
Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING		L	144.00	F+	Comments	!	
52 RAVELING		L	3,700.00		Comments		
57 WEATHERING		L	3,700.00	_	Comments		
52 RAVELING		M	50.00		Comments	:	
48 LONGITUDINAL/TRANSVERSE CRACKING		M	56.00	Ft	Comments	:	
Sample Number: 111 Type: R Sample Comments:	Area:		3,750.00SqFt		PCI = 54		
48 LONGITUDINAL/TRANSVERSE CRACKING		L	172.00	Ft	Comments	:	
48 LONGITUDINAL/TRANSVERSE CRACKING		M	64.00	Ft	Comments	:	
52 RAVELING		L	3,727.00		Comments	:	
57 WEATHERING		L	3,727.00		Comments		
52 RAVELING		M	23.00	SqFt	Comments	:	
Sample Number: 113 Type: R Sample Comments:	Area:		3,750.00SqFt		PCI = 54		
48 LONGITUDINAL/TRANSVERSE CRACKING		L	198.00		Comments	:	
48 LONGITUDINAL/TRANSVERSE CRACKING		M	21.00		Comments		
52 RAVELING		L	3,719.00		Comments		
57 WEATHERING		L	3,719.00		Comments		
52 RAVELING		М	31.00	Sqrt	Comments	<u> </u>	
Sample Number: 117 Type: R Sample Comments:	Area:		3,750.00SqFt		PCI = 54		
48 LONGITUDINAL/TRANSVERSE CRACKING		L	202.00	Ft	Comments	:	
48 LONGITUDINAL/TRANSVERSE CRACKING		M	40.00		Comments	:	
52 RAVELING		L	3,728.00		Comments	:	
57 WEATHERING		L	3,728.00	_	Comments		
52 RAVELING		M	22.00	SqFt	Comments		
Sample Number: 120 Type: R Sample Comments:	Area:		3,750.00SqFt		PCI = 54		
48 LONGITUDINAL/TRANSVERSE CRACKING		L	235.00		Comments	:	
48 LONGITUDINAL/TRANSVERSE CRACKING		M	50.00		Comments		
52 RAVELING		L	3,700.00		Comments		
57 WEATHERING 52 RAVELING		L M	3,700.00 50.00		Comments:		
Sample Number: 127 Type: R Sample Comments:	Area:		3,750.00SqFt		PCI = 59		

FDOT

Papert Congrated Data: September 27, 2012						
Report Generated Date: September 27, 2013		-	2 727 00	Q TI-	Q	
52 RAVELING		L	3,727.00		Comments:	
57 WEATHERING		L	3,727.00		Comments:	
52 RAVELING		M	23.00	SqFt	Comments:	
Sample Number: 134 Type: R	Area:		3,750.00SqFt		PCI = 64	
Sample Comments:						
48 LONGITUDINAL/TRANSVERSE CRACKING		L	87.00		Comments:	
48 LONGITUDINAL/TRANSVERSE CRACKING		L	104.00		Comments:	
52 RAVELING		L	3,750.00	_	Comments:	
57 WEATHERING		L	3,750.00	SqFt	Comments:	
Sample Number: 141 Type: R Sample Comments:	Area:		3,750.00SqFt		PCI = 59	
48 LONGITUDINAL/TRANSVERSE CRACKING		L	238.00	Ft.	Comments:	
52 RAVELING		L	3,705.00		Comments:	
57 WEATHERING		L	3,705.00		Comments:	
52 RAVELING		M	45.00		Comments:	
			2.550.000.70		DCI 50	
Sample Number: 145 Type: R Sample Comments:	Area:		3,750.00SqFt		PCI = 59	
48 LONGITUDINAL/TRANSVERSE CRACKING		L	236.00		Comments:	
52 RAVELING		L	3,708.00	SqFt	Comments:	
57 WEATHERING		L	3,708.00	SqFt	Comments:	
52 RAVELING		M	42.00	SqFt	Comments:	
Sample Number: 150 Type: R	Area:		3,750.00SqFt		PCI = 59	
Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING		L	214.00	₽÷	Comments:	
52 RAVELING		М		SqFt	Comments:	
52 RAVELING		L	3,743.00		Comments:	
57 WEATHERING		L	3,743.00		Comments:	
Sample Number: 156 Type: R	Area:		3,750.00SqFt		PCI = 59	
Sample Comments:		_	211 00		C = mmm = m + m +	
48 LONGITUDINAL/TRANSVERSE CRACKING 52 RAVELING		L	311.00 3,732.00		Comments:	
57 WEATHERING		L L	3,732.00		Comments: Comments:	
57 WEATHERING 52 RAVELING		М	18.00		Comments:	
Sample Number: 163 Type: R	Area:		3,750.00SqFt		PCI = 59	
Sample Comments:	7 HCu.		_			
48 LONGITUDINAL/TRANSVERSE CRACKING		L	223.00		Comments:	
52 RAVELING		M	50.00		Comments:	
52 RAVELING		L	3,700.00		Comments:	
57 WEATHERING		L	3,700.00	SqFt	Comments:	
Sample Number: 170 Type: R Sample Comments:	Area:		3,750.00SqFt		PCI = 59	
48 LONGITUDINAL/TRANSVERSE CRACKING		L	319.00	Ft	Comments:	
48 LONGITUDINAL/TRANSVERSE CRACKING		M	64.00		Comments:	
52 RAVELING		L	3,750.00		Comments:	
57 WEATHERING		L	3,750.00	_	Comments:	
Sample Number: 178 Type: R	Area:		3,750.00SqFt		PCI = 59	
Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING		M	80.00	F+	Comments:	
48 LONGITUDINAL/TRANSVERSE CRACKING		L	180.00		Comments:	
52 RAVELING					Commerces.	
		Τ.	3.750 00	Saft+	Comments:	
57 WEATHERING		L L	3,750.00 3,750.00	_	Comments:	

Sample Number: 182 Type: R Sample Comments:	Area:		3,750.00SqFt	PCI = 64
48 LONGITUDINAL/TRANSVERSE CRACKING		L	316.00 Ft	Comments:
52 RAVELING		L	3,750.00 SqF	't Comments:
57 WEATHERING		L	3,750.00 SqF	't Comments:
Sample Number: 185 Type: R Sample Comments:	Area:		3,750.00SqFt	PCI = 59
48 LONGITUDINAL/TRANSVERSE CRACKING		L	291.00 Ft	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING		Μ	23.00 Ft	Comments:
52 RAVELING		L	3,750.00 SqF	't Comments:
57 WEATHERING		L	3,750.00 SqF	
Sample Number: 189 Type: R	Area:		3,750.00SqFt	PCI = 60
Sample Number: 189 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING	Area:	L	3,750.00SqFt 398.00 Ft	PCI = 60 Comments:
Sample Comments:	Area:	L L	398.00 Ft	Comments:
Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING	Area:	_	398.00 Ft 3,746.00 SqF	Comments: Comments:
Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 52 RAVELING	Area:	L	398.00 Ft	Comments: Comments: Comments:
Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 52 RAVELING 57 WEATHERING 52 RAVELING Sample Number: 192 Type: R	Area:	L L	398.00 Ft 3,746.00 SqF 3,746.00 SqF	Comments: Comments: Comments:
Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 52 RAVELING 57 WEATHERING 52 RAVELING Sample Number: 192 Type: R Sample Comments:		L L M	398.00 Ft 3,746.00 SqF 3,746.00 SqF 4.00 SqF	Comments: Ct Comments: Ct Comments: Ct Comments: Ct PCI = 59
Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 52 RAVELING 57 WEATHERING 52 RAVELING Sample Number: 192 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING		L L M	398.00 Ft 3,746.00 SqF 3,746.00 SqF 4.00 SqF 4.00 SqF	Comments: Ct Comments: Ct Comments: Ct Comments: Comments:
Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 52 RAVELING 57 WEATHERING 52 RAVELING Sample Number: 192 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 52 RAVELING		L L M	398.00 Ft 3,746.00 SqF 3,746.00 SqF 4.00 SqF 4.00 SqF 203.00 Ft 3,734.00 SqF	Comments: Ct Comments: Ct Comments: Ct Comments: Comments: Ct Comments:
Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 52 RAVELING 57 WEATHERING 52 RAVELING Sample Number: 192 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 52 RAVELING		L L M	398.00 Ft 3,746.00 SqF 3,746.00 SqF 4.00 SqF 4.00 SqF	Comments: Ct Comments: Ct Comments: Ct Comments: Ct Comments: Comments: Ct Comments: Ct Comments: Ct Comments:

FDOT

Report Generated Date: September 27, 2013

73 SHRINKAGE CRACKING

74 JOINT SPALLING

74 JOINT SPALLING

Report Generated Date: September 27, 2013					
Network: 42J Name: KEYSTONE AIRF	PARK				
Branch: RW 11-29 Name: RUNWAY 11-29		Use: RUNWAY	Area: 379	9,930.00SqFt	
Section: 6220 of 3 From: -		То: -		Last Const.:	01/01/1942
Surface: PCC Family: FDOT-SAPME	P-GA-RW-TW-PCC		Zone:	Category:	Rank: S
Area: 28,125.00SqFt Length: 300	0.00Ft Width:	75.00Ft			
Slabs: 72 Slab Width: 25.00Ft	Slab Length:	12.50Ft	Joint Length:	2,325.00Ft	
Shoulder: Street Type: Grade: 0.00	_			,	
7F.					
Section Comments:					
Last Insp. Date: 09/16/2013 Total Samples: 4 Conditions: PCI: 42 Inspection Comments:	Surveyed: 2				
Sample Number: 103 Type: R	Area:	24.00Slabs	PCI = 45		
Sample Comments:					
65 JOINT SEAL DAMAGE	M	24.00 Slabs	Comments:		
63 LINEAR CRACKING	L	21.00 Slabs	Comments:		
62 CORNER BREAK	L	4.00 Slabs	Comments:		
63 LINEAR CRACKING	M	1.00 Slabs	Comments:		
70 SCALING/CRAZING	L	11.00 Slabs	Comments:		
71 FAULTING	L	1.00 Slabs	Comments:		
74 JOINT SPALLING	L	5.00 Slabs	Comments:		
73 SHRINKAGE CRACKING	N	8.00 Slabs	Comments:		
74 JOINT SPALLING	M	1.00 Slabs	Comments:		
75 CORNER SPALLING	L	2.00 Slabs	Comments:		
75 CORNER SPALLING	М	1.00 Slabs	Comments:		
Sample Number: 301 Type: R Sample Comments:	Area:	18.00Slabs	PCI = 39		
65 JOINT SEAL DAMAGE	M	18.00 Slabs	Comments:		
63 LINEAR CRACKING	L	15.00 Slabs	Comments:		
66 SMALL PATCH	L	1.00 Slabs	Comments:		
67 LARGE PATCH/UTILITY	L	2.00 Slabs	Comments:		
70 SCALING/CRAZING	L	8.00 Slabs	Comments:		
72 SHATTERED SLAB	L	3.00 Slabs	Comments:		
71 FAULTING	L	1.00 Slabs	Comments:		
71 1110111110		1.00 51455	COMMICTION.		

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4.00 Slabs

1.00 Slabs

1.00 Slabs

Comments:

Comments:

Comments:

FDOT

70 SCALING/CRAZING

74 JOINT SPALLING

74 JOINT SPALLING

73 SHRINKAGE CRACKING

Name: KEYSTONE AIRPARK	Report Generated Date: September 27, 2013					
Section: 6105 of 6 From: To: - Zone: Category: Rank: P	Network: 42J Name: KEYSTONE AIRPAR	RK				
Surface: PCC	Branch: RW 5-23 Name: RUNWAY 5-23		Use: RUNWAY	Area: 508	3,170.00SqFt	
Area: 15,000.00SqFt	Section: 6105 of 6 From: -		То: -		Last Const.:	01/01/1943
Slab Slab Width 25.00Ft Slab Length 12.50Ft Joint Length 3,200.00Ft	Surface: PCC Family: FDOT-SAPMP-G	A-RW-TW-PCC		Zone:	Category:	Rank: P
Section Comments: Section Comments: Section Comments: Section Comments: Section Comments: Sample Number: 297	Area: 15,000.00SqFt Length: 300.00	Ft Width:	100.00Ft			
Section Comments: Last Insp. Date: 09/16/2013 Total Samples: 4 Surveyed: 2	Slabs: 96 Slab Width: 25.00Ft	Slab Length:	12.50Ft	Joint Length:	3,200.00Ft	
Last Insp. Date: 09/16/2013 Total Samples: 4 Surveyed: 2 Conditions: PCI: 46 Inspection Comments: Sample Number: 297	Shoulder: Street Type: Grade: 0.00	Lanes: 0		_		
Conditions: PCI: 46	Section Comments:					
Inspection Comments:	Last Insp. Date: 09/16/2013 Total Samples: 4	Surveyed: 2				
Sample Number: 297 Type: R Area: 12.00Slabs PCI = 44	Conditions: PCI: 46					
Sample Comments: 65 JOINT SEAL DAMAGE M 12.00 Slabs Comments: 63 LINEAR CRACKING L 9.00 Slabs Comments: 66 SMALL PATCH L 1.00 Slabs Comments: 67 LARGE PATCH/UTILITY L 1.00 Slabs Comments: 73 SHRINKAGE CRACKING N 3.00 Slabs Comments: 74 JOINT SPALLING L 5.00 Slabs Comments: 74 JOINT SPALLING L 4.00 Slabs Comments: 75 CORNER SPALLING L 1.00 Slabs Comments: 75 CORNER SPALLING L 2.00 Slabs Comments: 75 CORNER SPALLING M 1.00 Slabs Comments: 75 CORNER SPALLING M 1.00 Slabs Comments: 76 CORNER SPALLING M 1.00 Slabs Comments: 77 Sample Number: 299 Type: R Area: 8.00Slabs PCI = 49 Sample Comments: 65 JOINT SEAL DAMAGE M 8.00 Slabs Comments: 66 LINEAR CRACKING L 5.00 Slabs Comments:	Inspection Comments:					
65 JOINT SEAL DAMAGE M 12.00 Slabs Comments: 63 LINEAR CRACKING L 9.00 Slabs Comments: 66 SMALL PATCH L 1.00 Slabs Comments: 67 LARGE PATCH/UTILITY L 1.00 Slabs Comments: 73 SHRINKAGE CRACKING N 3.00 Slabs Comments: 70 SCALING/CRAZING L 5.00 Slabs Comments: 74 JOINT SPALLING L 4.00 Slabs Comments: 75 CORNER SPALLING L 1.00 Slabs Comments: 75 CORNER SPALLING M 1.00 Slabs Comments: 76 JOINT SEAL DAMAGE M 8.00 Slabs Comments: 76 JOINT SEAL DAMAGE M 8.00 Slabs Comments: 76 COMMENTS: 77 COMMENTS: 78 COMMENTS: 8.00Slabs COM	Sample Number: 297 Type: R	Area:	12.00Slabs	PCI = 44		
63 LINEAR CRACKING L 9.00 Slabs Comments: 66 SMALL PATCH L 1.00 Slabs Comments: 67 LARGE PATCH/UTILITY L 1.00 Slabs Comments: 73 SHRINKAGE CRACKING N 3.00 Slabs Comments: 70 SCALING/CRAZING L 5.00 Slabs Comments: 74 JOINT SPALLING L 4.00 Slabs Comments: 75 CORNER SPALLING L 1.00 Slabs Comments: 75 CORNER SPALLING L 2.00 Slabs Comments: 75 CORNER SPALLING M 1.00 Slabs Comments: 75 CORNER SPALLING M 8.00 Slabs Comments: 65 JOINT SEAL DAMAGE M 8.00 Slabs Comments: 63 LINEAR CRACKING M 8.00 Slabs Comments: 65 JOINT SEAL DAMAGE M 8.00 Slabs Comments: 65 Comments: 66 LINEAR CRACKING L 5.00 Slabs Comments:						
66 SMALL PATCH C LARGE PATCH/UTILITY L 1.00 Slabs Comments: 73 SHRINKAGE CRACKING N 3.00 Slabs Comments: 70 SCALING/CRAZING L 5.00 Slabs Comments: 74 JOINT SPALLING L 4.00 Slabs Comments: 75 CORNER SPALLING L 1.00 Slabs Comments: 76 CORNER SPALLING L 2.00 Slabs Comments: 77 CORNER SPALLING M 1.00 Slabs Comments: 800Slabs Comments:		= =				
67 LARGE PATCH/UTILITY L 1.00 Slabs Comments: 73 SHRINKAGE CRACKING N 3.00 Slabs Comments: 70 SCALING/CRAZING L 5.00 Slabs Comments: 74 JOINT SPALLING L 4.00 Slabs Comments: 75 CORNER SPALLING L 1.00 Slabs Comments: 75 CORNER SPALLING L 2.00 Slabs Comments: 75 CORNER SPALLING M 1.00 Slabs Comments: 75 CORNER SPALLING M 2.00 Slabs Comments: 76 JOINT SEAL DAMAGE M 8.00 Slabs Comments: 78 Area: 8.00Slabs Comments: 79 Comments: 70 Slabs Comments: 70 Slabs Comments: 71 FAULTING M 1.00 Slabs Comments: 75 CORNER SPALLING M 8.00 Slabs Comments: 76 JOINT SEAL DAMAGE M 8.00 Slabs Comments: 78 COMMENTS: 79 COMMENTS: 80 Slabs Comments:						
73 SHRINKAGE CRACKING N 3.00 Slabs Comments: 70 SCALING/CRAZING L 5.00 Slabs Comments: 74 JOINT SPALLING L 4.00 Slabs Comments: 75 CORNER SPALLING L 1.00 Slabs Comments: 75 CORNER SPALLING M 1.00 Slabs Comments: 75 CORNER SPALLING M 1.00 Slabs Comments: 75 CORNER SPALLING M 1.00 Slabs Comments: 76 JOINT SEAL DAMAGE M 8.00 Slabs Comments: 78 Area: 8.00Slabs PCI = 49 8.00Slabs Comments: 80 JOINT SEAL DAMAGE M 8.00 Slabs Comments: 80 JOINT SEAL DAMAGE L 5.00 Slabs Comments: 80 JOINT SEAL DAMAGE COMMENTS: 80 Slabs Comments: 80 JOINT SEAL DAMAGE COMMENTS: 8						
70 SCALING/CRAZING L 5.00 Slabs Comments: 74 JOINT SPALLING L 4.00 Slabs Comments: 71 FAULTING L 1.00 Slabs Comments: 75 CORNER SPALLING L 2.00 Slabs Comments: 75 CORNER SPALLING M 1.00 Slabs Comments: Sample Number: 299 Type: R Area: 8.00Slabs PCI = 49 Sample Comments: 65 JOINT SEAL DAMAGE M 8.00 Slabs Comments: 63 LINEAR CRACKING L 5.00 Slabs Comments:	- · · ·	-				
74 JOINT SPALLING L 4.00 Slabs Comments: 71 FAULTING L 1.00 Slabs Comments: 75 CORNER SPALLING L 2.00 Slabs Comments: 75 CORNER SPALLING M 1.00 Slabs Comments: Sample Number: 299 Type: R Area: 8.00Slabs PCI = 49 Sample Comments: 65 JOINT SEAL DAMAGE M 8.00 Slabs Comments: 63 LINEAR CRACKING L 5.00 Slabs Comments:						
71 FAULTING L 1.00 Slabs Comments: 75 CORNER SPALLING L 2.00 Slabs Comments: 75 CORNER SPALLING M 1.00 Slabs Comments: Sample Number: 299 Type: R Area: 8.00Slabs PCI = 49 Sample Comments: 65 JOINT SEAL DAMAGE	•	_				
75 CORNER SPALLING L 2.00 Slabs Comments: 75 CORNER SPALLING M 1.00 Slabs Comments: Sample Number: 299 Type: R Area: 8.00Slabs PCI = 49 Sample Comments: 65 JOINT SEAL DAMAGE M 8.00 Slabs Comments: 63 LINEAR CRACKING L 5.00 Slabs Comments:						
75 CORNER SPALLING M 1.00 Slabs Comments: Sample Number: 299 Type: R Area: 8.00Slabs PCI = 49 Sample Comments: 65 JOINT SEAL DAMAGE M 8.00 Slabs Comments: 63 LINEAR CRACKING L 5.00 Slabs Comments:		_				
Sample Comments: 65 JOINT SEAL DAMAGE M 8.00 Slabs Comments: 63 LINEAR CRACKING L 5.00 Slabs Comments:		-				
Sample Comments: 65 JOINT SEAL DAMAGE M 8.00 Slabs Comments: 63 LINEAR CRACKING L 5.00 Slabs Comments:						
65 JOINT SEAL DAMAGE M 8.00 Slabs Comments: 63 LINEAR CRACKING L 5.00 Slabs Comments:		Area:	8.00Slabs	PCI = 49		
63 LINEAR CRACKING L 5.00 Slabs Comments:	•	M	0 00 01-6-	Commonts:		
	67 LARGE PATCH/UTILITY	L	2.00 Slabs	Comments:		

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M

7.00 Slabs Comments:

Comments: Comments:

2.00 Slabs

2.00 Slabs

1.00 Slabs

FDOT

74 JOINT SPALLING

75 CORNER SPALLING

Report Generated Date: September 27, 2013

Report Generated Date: September 27, 2013					
Network: 42J Name: KEYSTONE AIRPARI	K				
Branch: RW 5-23 Name: RUNWAY 5-23		Use: RUNWAY	Area: 508	3,170.00SqFt	
Section: 6110 of 6 From: -		То: -		Last Const.:	01/01/1943
Surface: PCC Family: FDOT-SAPMP-GA	-RW-TW-PCC		Zone:	Category:	Rank: P
Area: 18,125.00SqFt Length: 300.00F	t Width:	100.00Ft			
Slabs: 96 Slab Width: 25.00Ft	Slab Length:	12.50Ft	Joint Length:	3,200.00Ft	
Shoulder: Street Type: Grade: 0.00	Lanes: 0		· ·		
3r.					
Section Comments:					
Last Insp. Date: 09/16/2013 Total Samples: 4	Surveyed: 2				
Conditions: PCI: 44	.a				
Inspection Comments:					
Sample Number: 96 Type: R	Area:	12.00Slabs	PCI = 56		
Sample Comments:					
65 JOINT SEAL DAMAGE	M	12.00 Slabs	Comments:		
63 LINEAR CRACKING	L	9.00 Slabs	Comments:		
73 SHRINKAGE CRACKING	N	3.00 Slabs	Comments:		
70 SCALING/CRAZING	L	3.00 Slabs	Comments:		
66 SMALL PATCH	L	1.00 Slabs	Comments:		
74 JOINT SPALLING	L	2.00 Slabs	Comments:		
67 LARGE PATCH/UTILITY	L	1.00 Slabs	Comments:		
Sample Number: 498 Type: R	Area:	12.00Slabs	PCI = 33		
Sample Comments:					
65 JOINT SEAL DAMAGE	M	12.00 Slabs	Comments:		
63 LINEAR CRACKING	L	4.00 Slabs	Comments:		
63 LINEAR CRACKING	M	2.00 Slabs	Comments:		
67 LARGE PATCH/UTILITY	L	5.00 Slabs	Comments:		
66 SMALL PATCH	L	1.00 Slabs	Comments:		
62 CORNER BREAK	L	2.00 Slabs	Comments:		
70 SCALING/CRAZING	L	8.00 Slabs	Comments:		
70 SCALING/CRAZING	M	2.00 Slabs	Comments:		
73 SHRINKAGE CRACKING	N	4.00 Slabs	Comments:		
74 JOINT SPALLING	L	2.00 Slabs	Comments:		
T		4 00 -7 1			

M

Comments:

Comments:

2.00 Slabs 1.00 Slabs

1.00 Slabs

FDOT

Report Generated	Date: Septer	mber 27, 20	013								
Network: 42J	Na	me: KEYS	STONE AIRPARK								
Branch: RW 5-2	23 Na	me: RUNV	WAY 5-23			Use: RUNV	WAY	Area:	508	,170.00SqFt	
Section: 6115 Surface: AAC	of		From: - DOT-SAPMP-GA-I	RW-AAC		То: -		Zone:		Last Const.: Category:	07/01/2010 Rank: P
Area: 220,000.0		Length:		Lanes:		dth: 60.00Ft		Zone.		category.	Tunic. 1
Section Comments:	31										
Last Insp. Date: 09 Conditions: PCI: Inspection Comment	96	otal Sample	s: 44 Su	ırveyed: {	3						
Sample Number:	302	Type: R	1	Area:		5,000.00SqFt	P	CI = 96			
Sample Comments: 48 LONGITUD	INAL/TRA	NSVERSE	CRACKING		L	17.00 F	t	Commen	ts:		
Sample Number: Sample Comments:	307	Type: R		Area:		5,000.00SqFt	P	CI = 95			
48 LONGITUD	INAL/TRA	NSVERSE	CRACKING		L	49.00 F	t	Commen	ts:		
Sample Number:	312	Type: R	1	Area:		5,000.00SqFt	P	CI = 92			
Sample Comments: 48 LONGITUD	INAL/TRA	NSVERSE	CRACKING		L	112.00 F	t	Commen	ts:		
Sample Number:	318	Type: R	1	Area:		5,000.00SqFt	P	CI = 95			
Sample Comments: 48 LONGITUD	INAL/TRA	NSVERSE	CRACKING		L	61.00 F	t	Commen	ts:		
Sample Number:	326	Type: R	1	Area:		5,000.00SqFt	P	CI = 96			
Sample Comments: 48 LONGITUD	INAL/TRA	NSVERSE	CRACKING		L	26.00 F	t	Commen	ts:		
Sample Number:	332	Type: R	<u>.</u>	Area:		5,000.00SqFt	P	CI = 96			
Sample Comments: 48 LONGITUD	INAL/TRA	NSVERSE	CRACKING		L	15.00 F	t	Commen	ts:		
Sample Number:	337	Type: R		Area:		5,000.00SqFt	P	CI = 98			
Sample Comments: 48 LONGITUD	INAL/TRA	NSVERSE	CRACKING		L	3.00 F	t	Commen	ts:		
Sample Number:	342	Type: R	1	Area:		5,000.00SqFt	P	CI = 97			
Sample Comments: 48 LONGITUD	INAL/TRA	NSVERSE	CRACKING		L	9.00 F	t	Commen	ts:		

FDOT

Sample Comments: <NO DISTRESSES>

Report Generated Da	te: September 27	2013						
Network: 42J	Name: KI	EYSTONE AIRPARK						
Branch: RW 5-23	Name: RU	JNWAY 5-23			Use: RUNWAY	Area:	508,170.00SqFt	
Section: 6120 Surface: AAC	of 6 Family:	From: - FDOT-SAPMP-GA-R	W-AAC		То: -	Zone:	Last Const.: Category:	07/01/2010 Rank: P
Area: 220,000.00Sq Shoulder: Stre	Ft Leng et Type:	th: 4,400.00Ft Grade: 0.00	Lanes:	Width:	20.00Ft			
Section Comments:								
Last Insp. Date: 09/16 Conditions: PCI: 97 Inspection Comments:	5/2013 Total Sam	ples: 44 Sur	veyed: 8					
Sample Number: 10 Sample Comments:	O2 Type:	R	Area:	5,00	0.00SqFt	PCI = 97		
48 LONGITUDINA	AL/TRANSVER:	SE CRACKING		L	9.00 Ft	Comment	s:	
Sample Number: 1 Sample Comments:	Type:	R	Area:	5,00	0.00SqFt	PCI = 93		
48 LONGITUDINA	AL/TRANSVER:	SE CRACKING		L	98.00 Ft	Comments	3 :	
Sample Number: 12 Sample Comments:	22 Type:	R	Area:	5,00	0.00SqFt	PCI = 97		
48 LONGITUDINA	AL/TRANSVER:	SE CRACKING		L	10.00 Ft	Comments	3 :	
Sample Number: 14 Sample Comments: <no distresses<="" td=""><td>40 Type:</td><td>R</td><td>Area:</td><td>5,00</td><td>0.00SqFt</td><td>PCI = 100</td><td></td><td></td></no>	40 Type:	R	Area:	5,00	0.00SqFt	PCI = 100		
Sample Number: 50 Sample Comments:	O4 Type:	R	Area:	5,00	0.00SqFt	PCI = 95		
48 LONGITUDINA	AL/TRANSVER:	SE CRACKING		L	49.00 Ft	Comment	s:	
Sample Number: 5 Sample Comments: <no distresses<="" td=""><td>14 Type:</td><td>R</td><td>Area:</td><td>5,00</td><td>0.00SqFt</td><td>PCI = 100</td><td></td><td></td></no>	14 Type:	R	Area:	5,00	0.00SqFt	PCI = 100		
Sample Number: 52 Sample Comments:	26 Type:	R	Area:	5,00	0.00SqFt	PCI = 96		
48 LONGITUDINA	AL/TRANSVER	SE CRACKING		L	20.00 Ft	Comment	g:	
Sample Number: 54	Type:	R	Area:	5,00	0.00SqFt	PCI = 100		

FDOT

Report Generated Date: September 27, 2013

70 SCALING/CRAZING

74 JOINT SPALLING

73 SHRINKAGE CRACKING

Report Generated Date: September 27, 2013					
Network: 42J Name: KEYSTONE AIRPA	ARK				
Branch: RW 5-23 Name: RUNWAY 5-23		Use: RUNWAY	Area: 508	8,170.00SqFt	
Section: 6130 of 6 From: -		То: -		Last Const.:	01/01/1943
Surface: PCC Family: FDOT-SAPMP-0	GA-RW-TW-PCC		Zone:	Category:	Rank: P
Area: 15,627.00SqFt Length: 300.0	00Ft Width:	100.00Ft			
Slabs: 87 Slab Width: 25.00Ft	Slab Length:	12.50Ft	Joint Length:	3,200.00Ft	
Shoulder: Street Type: Grade: 0.00	Lanes: 0		C		
Section Comments:					
Inspection Comments: Sample Number: 344 Type: R	Area:	12.00Slabs	PCI = 58		
Sample Comments: 65 JOINT SEAL DAMAGE	М	12.00 Slabs	Comments:		
63 LINEAR CRACKING	M L	2.00 Slabs	Comments:		
62 CORNER BREAK	L	1.00 Slabs	Comments:		
67 LARGE PATCH/UTILITY	L	2.00 Slabs	Comments:		
66 SMALL PATCH	L	3.00 Slabs	Comments:		
70 SCALING/CRAZING	L	7.00 Slabs	Comments:		
73 SHRINKAGE CRACKING	N	5.00 Slabs	Comments:		
74 JOINT SPALLING	L	1.00 Slabs	Comments:		
Sample Number: 346 Type: R Sample Comments:	Area:	12.00Slabs	PCI = 47		
63 LINEAR CRACKING	L	4.00 Slabs	Comments:		
63 LINEAR CRACKING	M	1.00 Slabs	Comments:		
66 SMALL PATCH	L	5.00 Slabs	Comments:		
67 LARGE PATCH/UTILITY					

N

9.00 Slabs

3.00 Slabs

1.00 Slabs

Comments:

Comments:

Comments:

FDOT

Report Generated Date: September 27, 2013

Network:	42J	Name: Kl	EYSTONE AIRPARK					
Branch:	RW 5-23	Name: RI	JNWAY 5-23		Use: RUNWAY	Area: 5	508,170.00SqFt	
Section: Surface:	6135 PCC	of 6 Family:	From: - FDOT-SAPMP-GA-R'	W-TW-PCC	То: -	Zone:	Last Const.: Category:	01/01/1943 Rank: P
Area:	19,418.00SqFt	Leng	gth: 300.00Ft	Width:	100.00Ft			
Slabs: 87	S	Slab Width:	25.00Ft	Slab Length:	12.50Ft	Joint Length	: 3,200.00Ft	
Shoulder:	Street T	ype:	Grade: 0.00	Lanes: 0				
Section Com	nments:							

Last Insp. Date: 09/16/2013 Total Samples: 3 Surveyed: 1

Conditions: PCI: 54 Inspection Comments:

Sample Number: 144 Type: R Sample Comments:	Area:	20.00Slabs		PCI = 54
65 JOINT SEAL DAMAGE	M	20.00	Slabs	Comments:
63 LINEAR CRACKING	L	9.00	Slabs	Comments:
63 LINEAR CRACKING	M	1.00	Slabs	Comments:
66 SMALL PATCH	L	1.00	Slabs	Comments:
70 SCALING/CRAZING	L	19.00	Slabs	Comments:
73 SHRINKAGE CRACKING	N	3.00	Slabs	Comments:
74 JOINT SPALLING	L	2.00	Slabs	Comments:
75 CORNER SPALLING	L	2.00	Slabs	Comments:

FDOT

Report Generated Date: September 27, 2013			
Network: 42J Name: KEYSTONE AIRPARK			
Branch: TW A Name: TAXIWAY A	Use: TAXIWAY	Area: 195,630.00S	qFt
Section: 105 of 1 From: - Surface: AAC Family: FDOT-SAPMP-GA-TW-AAC	То: -	Last C Zone: Catego	
Area: 195,630.00SqFt Length: 5,500.00Ft Wic	lth: 35.00Ft		
Shoulder: Street Type: Grade: 0.00 Lanes: 0			
Section Comments:			
Last Insp. Date: 09/16/2013 Total Samples: 55 Surveyed: 6			
Conditions: PCI: 40			
Inspection Comments:			
Sample Number: 101 Type: R Area: Sample Comments:	3,398.00SqFt	PCI = 42	
48 LONGITUDINAL/TRANSVERSE CRACKING L	433.00 Ft	Comments:	
52 RAVELING L	1,998.00 SqFt	Comments:	
57 WEATHERING L	1,998.00 SqFt	Comments:	
52 RAVELING M	1,400.00 SqFt	Comments:	
Sample Number: 111 Type: R Area: Sample Comments:	3,500.00SqFt	PCI = 38	
48 LONGITUDINAL/TRANSVERSE CRACKING L	757.00 Ft	Comments:	
52 RAVELING L	2,100.00 SqFt	Comments:	
57 WEATHERING L	2,100.00 SqFt	Comments:	
52 RAVELING M	1,400.00 SqFt	Comments:	
Sample Number: 122 Type: R Area: Sample Comments:	4,000.00SqFt	PCI = 40	
48 LONGITUDINAL/TRANSVERSE CRACKING L	732.00 Ft	Comments:	
52 RAVELING L	2,600.00 SqFt	Comments:	
57 WEATHERING L	2,600.00 SqFt	Comments:	
52 RAVELING M	1,400.00 SqFt	Comments:	
Sample Number: 135 Type: R Area:	3,500.00SqFt	PCI = 41	
Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING L	496.00 Ft	Comments:	
52 RAVELING L	2,100.00 SqFt	Comments:	
57 WEATHERING L	2,100.00 SqFt	Comments:	
52 RAVELING M	1,400.00 SqFt	Comments:	
Sample Number: 147 Type: R Area: Sample Comments:	3,500.00SqFt	PCI = 40	
48 LONGITUDINAL/TRANSVERSE CRACKING L	521.00 Ft	Comments:	
57 WEATHERING L	2,100.00 SqFt	Comments:	
52 RAVELING L	2,100.00 SqFt	Comments:	
52 RAVELING M	1,400.00 SqFt	Comments:	
Sample Number: 153 Type: R Area: Sample Comments:	3,500.00SqFt	PCI = 39	
48 LONGITUDINAL/TRANSVERSE CRACKING L	507.00 Ft	Comments:	
57 WEATHERING L	2,100.00 SqFt	Comments:	
52 RAVELING L	2,100.00 SqFt	Comments:	
48 LONGITUDINAL/TRANSVERSE CRACKING M	4.00 Ft	Comments:	
52 RAVELING M	1,400.00 SqFt	Comments:	

FDOT

	nerated Date: Se	eptember	27, 2013								
Network:	42J	Name:	KEYSTONE	EAIRPARK							
Branch:	TW B	Name:	TAXIWAY	В			Use: TA	AXIWAY	Area:	97,024.00SqFt	
Section:	205	of 2	From:	-			To:			Last Const.:	01/01/1987
Surface:	AAC	Fami	ly: FDOT-S.	APMP-GA-TV	V-AAC				Zone:	Category:	Rank: P
Area:	19,612.00SqFt	L	ength:	470.00Ft		Wi	dth: 35.00	Ft			
Shoulder:	Street Ty	pe:	Grade:	0.00	Lanes	0					
Section Con	nments:										
Conditions Inspection C Sample Nu	Comments:	Ty	/pe: R		Area:		3,500.00SqFt		PCI = 49		
Sample Con						-	2 100 00	G		_	
57 WEAT	THERING					L	3,100.00	_	Comments		
	ELING GITUDINAL/	TID 7 NICIS 7		CKINC		L L	3,100.00 533.00	-	Comments Comments		
52 RAVE	•	IKANSV	ERSE CRA	CKING		М	400.00		Comments		
Sample Nu		Ty	pe: R		Area:		3,500.00SqFt		PCI = 53		
	mments. GITUDINAL/'	TRANSV	ERSE CRA	CKING		L	391.00	Ft	Comments	:	
57 WEAT	THERING					L	3,100.00	SqFt	Comments	:	
52 RAVE	ELING					L	2,750.00	_	Comments	:	
52 RAVE	ELING					M	400.00	SqFt	Comments	:	

FDOT

Network: 42J Name: KEYSTONE AIRPARK					
Branch: TW B Name: TAXIWAY B		Use: TAX	IIWAY Area:	97,024.00SqFt	
Section: 210 of 2 From: - Surface: AC Family: FDOT-SAPMP-GA-T	W-AC	То: -	Zone:	Last Const.: Category:	01/01/1997 Rank: P
Area: 77,412.00SqFt Length: 2,100.00Ft Shoulder: Street Type: Grade: 0.00		Width: 35.00Ft			
Section Comments:					
Last Insp. Date: 09/16/2013 Total Samples: 21 Sur Conditions: PCI: 55 Inspection Comments:	veyed: 4				
Sample Number: 101 Type: R Sample Comments:	Area:	3,500.00SqFt	PCI = 57		
57 WEATHERING	I	2,750.00 \$	SqFt Comment	s:	
52 RAVELING	I	1,700.00 \$	SqFt Comment	s:	
48 LONGITUDINAL/TRANSVERSE CRACKING	I	16.00 H			
52 RAVELING	N	750.00 \$	SqFt Comment	is:	
Sample Number: 111 Type: R Sample Comments:	Area:	3,500.00SqFt	PCI = 53		
48 LONGITUDINAL/TRANSVERSE CRACKING	I			s:	
52 RAVELING	N		_		
57 WEATHERING	I	•			
52 RAVELING	I	•			
56 SWELLING 52 RAVELING	I N		-		
Sample Number: 115 Type: R	Area:	3,500.00SqFt	PCI = 54		
Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING	I	113.00 E	Ft Comment	· a •	
57 WEATHERING	I				
52 RAVELING	I				
56 SWELLING	I		_		
52 RAVELING	ľ			s:	
Sample Number: 120 Type: R Sample Comments:	Area:	4,673.00SqFt	PCI = 54		
48 LONGITUDINAL/TRANSVERSE CRACKING	I	143.00 H	ft Comment	s:	
57 WEATHERING	I	3,923.00 8	SqFt Comment	s:	
52 RAVELING	I	1,587.00 \$	SqFt Comment	s:	
56 SWELLING	I			s:	
52 RAVELING	I	750.00 \$	SqFt Comment	s:	

FDOT

Network: 42J Name: KEYSTONE AIRPARI	K						
Branch: TW C Name: TAXIWAY C			Use: TA	XIWAY	Area: 1	07,173.00SqFt	
Section: 305 of 2 From: -			То: -			Last Const.:	01/01/1997
Surface: AC Family: FDOT-SAPMP-GA	-TW-AC				Zone:	Category:	Rank: P
Area: 92,494.00SqFt Length: 2,600.00F	² t	Widtl	n: 35.001	Ft			
Shoulder: Street Type: Grade: 0.00	Lanes:	0					
Section Comments:							
Last Insp. Date: 09/16/2013 Total Samples: 26 S	Surveyed: 6	5					
Conditions: PCI: 62							
Inspection Comments:							
Sample Number: 124 Type: R	Area:	3	,500.00SqFt		PCI = 64		
Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING		L	103.00	Ft.	Comments	:	
52 RAVELING		L	1,050.00		Comments		
57 WEATHERING		L	3,150.00	_	Comments	:	
52 RAVELING		M	350.00	SqFt	Comments	:	
Sample Number: 127 Type: R Sample Comments:	Area:	3	,500.00SqFt		PCI = 64		
48 LONGITUDINAL/TRANSVERSE CRACKING		L	86.00	Ft	Comments	:	
57 WEATHERING		L	3,150.00	SqFt	Comments	:	
52 RAVELING		L	1,705.00		Comments	:	
52 RAVELING		M	350.00	SqFt	Comments	:	
Sample Number: 132 Type: R Sample Comments:	Area:	3	,500.00SqFt		PCI = 59		
48 LONGITUDINAL/TRANSVERSE CRACKING		L	123.00	Ft	Comments	:	
57 WEATHERING		L	3,143.00	SqFt	Comments	:	
52 RAVELING		L	1,750.00		Comments	:	
52 RAVELING		H	7.00		Comments	:	
52 RAVELING		M	350.00	SqFt	Comments	:	
Sample Number: 139 Type: R	Area:	3	,500.00SqFt		PCI = 64		
Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING		L	137.00	Ft	Comments	:	
57 WEATHERING		L	3,150.00		Comments		
52 RAVELING		L	1,750.00		Comments	:	
52 RAVELING		M	350.00		Comments	:	
Sample Number: 142 Type: R Sample Comments:	Area:	3	,500.00SqFt		PCI = 60		
48 LONGITUDINAL/TRANSVERSE CRACKING		L	37.00	Ft	Comments	:	
57 WEATHERING		L	3,150.00	_	Comments	:	
52 RAVELING		L	3,150.00		Comments		
52 RAVELING		M	350.00	SqFt	Comments	:	
Sample Number: 145 Type: R Sample Comments:	Area:	3	,425.00SqFt		PCI = 60		
48 LONGITUDINAL/TRANSVERSE CRACKING		L	38.00	Ft	Comments	:	
57 WEATHERING		L	3,075.00		Comments	:	
52 RAVELING		L	3,075.00		Comments	:	
52 RAVELING		M	350.00	SqFt	Comments	:	

FDOT

Report Generated Date: September 27, 2013

Network:	42J	Name: KEYSTONE	AIRPARK						
Branch:	TW C	Name: TAXIWAY	С			Use: TAXIWAY	Area:	107,173.00SqFt	
Section: Surface:	310 AC	of 2 From: Family: FDOT-S.		-AC		То: -	Zone:	Last Const.: Category:	01/01/1997 Rank: P
Area:	14,679.00SqFt	Length:	330.00Ft		Width:	35.00Ft			
Shoulder:	Street Ty	rpe: Grade:	0.00	Lanes:	0				

Section Comments:

Last Insp. Date: 09/16/2013 Total Samples: 3 Surveyed: 1

Conditions: PCI: 58 Inspection Comments:

Sample Number: 202 Type: R Sample Comments:	Area:	5,166.00SqFt		PCI = 58
50 PATCHING	I	10.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	I	51.00	Ft	Comments:
45 DEPRESSION	I	40.00	SqFt	Comments:
56 SWELLING	I	63.00	SqFt	Comments:
57 WEATHERING	I	5,156.00	SqFt	Comments:
52 RAVELING	I	3,100.00	SqFt	Comments:

FDOT

49 OIL SPILLAGE

Report Generated Date: September 27, 2013

Report Generated Date: September 27	7, 2013					
Network: 42J Name: K	EYSTONE AIRPARK					
Branch: TW E Name: T.	AXIWAY E - CONNECTOR TO		Use: TAXIWAY	Area:	31,823.00SqFt	
Section: 505 of 1	From: -		То: -		Last Const.:	01/01/1990
Surface: AC Family:	FDOT-SAPMP-GA-TW-AC			Zone:	Category:	Rank: P
Area: 31,823.00SqFt Len	gth: 1,200.00Ft	Width:	25.00Ft			
Shoulder: Street Type:	Grade: 0.00 Lanes:	0				
Section Comments:						
Inspection Comments: Sample Number: 102 Type Sample Comments:	e: R Area:	5,000.00	SqFt	PCI = 64		
sample Comments. 48 LONGITUDINAL/TRANSVER	SE CRACKING	L 2	83.00 Ft	Comments:		
57 WEATHERING			00.00 SqFt	Comments:		
52 RAVELING			00.00 SqFt	Comments:		
Sample Number: 108 Type	e: R Area:	5,260.00	SqFt	PCI = 56		
Sample Comments:						
48 LONGITUDINAL/TRANSVER	SE CRACKING		.22.00 Ft	Comments:		
50 PATCHING			.29.00 SqFt	Comments:		
50 PATCHING		L	63.00 SqFt	Comments:		
57 WEATHERING			68.00 SqFt	Comments:		
52 RAVELING		L 5,0	68.00 SqFt	Comments:		
40 OTT CDTTT 7 CD		3.7	16 00 0			

Ν

Comments:

16.00 SqFt