

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION AVIATION OFFICE

Statewide Airfield Pavement Management Program

Lake Wales Municipal Airport– X07 (General Aviation) Lake Wales, Florida (District 1)



May 2011

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EXECUTIVE SUMMARY

In 2010, the Florida Department of Transportation (FDOT) Aviation Office selected a Consultant team consisting of Kimley-Horn and Associates and their Subconsultants, MACTEC Engineering and Consulting and All About Pavements, Inc., to provide services in support of FDOT in the continuing evaluation and updating of the existing Statewide Airfield Pavement Management Program (SAPMP) to be completed over fiscal years 2011 and 2012.

The tasks required to achieve this objective at Lake Wales Municipal Airport included:

- Obtain recent construction history from the Airport to update the Pavement Inventory CADD drawings from the previous SAPMP update,
- Perform a visual Pavement Condition Index (PCI) survey of the airfield pavements at the Airport,
- Update the MicroPAVER database to analyze the PCI field data and determine the current condition of the airfield pavements,
- Predict the future deterioration of the pavements,
- Develop a 10-year M&R plan to address the pavement needs at Lake Wales Municipal Airport, and
- Provide the estimated costs associated with the suggested immediate and future M&R activities

During February 2011, the PCI survey was performed at Lake Wales Municipal Airport. The results of the survey indicate that, based on a numerical scale of 0 to 100, the overall area-weighted average PCI of the airfield pavements in 2011 is 65, representing a Fair overall network condition.

Table I below summarizes the overall condition summary by network branch.

Branch Name	Area Weighted PCI	Condition Rating	FDOT Minimum Service Level	MicroPAVER Minimum PCI	Action Required
Apron	73	Satisfactory	60	65	
Hold Apron for RW 6	29	Very Poor	60	65	Х
Runway 17-35	71	Satisfactory	75	65	Х
Runway 6-24	59	Fair	75	65	Х
Taxiway Alpha	65	Fair	65	65	
Taxiway Bravo	69	Fair	65	65	
Taxiway Charlie	75	Satisfactory	65	65	
Taxiway Delta	65	Fair	65	65	

Table I: Condition Summary by Branch

Tables II and III below illustrate the area-weighted PCI computed individually for each pavement use and rank, respectively.

Use	Average Area- Weighted PCI	Condition Rating		
Runway	64	Fair		
Taxiway	67	Fair		
Apron	71	Satisfactory		
All (Weighted)	65	Fair		

Table II: Condition Summary by Pavement Use

Table III: Condition Summary by Pavement Rank

Rank*	Average Area- Weighted PCI	Condition Rating
Primary	63	Fair
Secondary	71	Satisfactory
Tertiary	78	Satisfactory
All (Weighted)	65	Fair

*The pavement rank for the airport pavement network is listed on Table 2-3.

The immediate M&R needs, or needs that have been programmed to be completed in the first year of the 10-year M&R plan based on an unlimited budget at Lake Wales Municipal Airport, include: Apron, Hold Apron at RW 6, Runway 6-24, and Taxiways Alpha, Bravo and Delta. These pavement sections exhibited low and medium severity distresses such as longitudinal and transverse cracking, block cracking, weathering and raveling. The extent of these distresses justify mill and overlay rehabilitation activity, and the distresses at the Hold Apron at RW 6 justify a complete pavement reconstruction. The immediate needs are summarized in Table IV below.

Branch Name	Section ID	Surface Type	Section Area (ft ²)	N	Iajor M&R Costs*	PCI Before M&R	M&R Activity	PCI After M&R
Apron	4110	AC	31,760	\$	181,540.18	52	Mill and Overlay	100
Hold Apron at RW 6	5102	AAC	10,300	\$	140,286.05	29	Reconstruction	100
Runway 6-24	6105	AAC	400,000	\$	1,597,600.86	58	Mill and Overlay	100
Taxiway Alpha	110	AC	3,310	\$	20,819.90	44	Mill and Overlay	100
Taxiway Bravo	215	AAC	4,530	\$	28,493.70	45	Mill and Overlay	100
Taxiway Delta	410	AC	67,040	\$	229,276.96	60	Mill and Overlay	100
			Total		\$2,198,017.65	48		100

Table IV: Immediate Major M&R Needs

* Costs are adjusted for inflation.

A forecast of Major M&R needs for a 10-year period, starting from 2011, was developed using an unlimited budget. The analysis identified ongoing maintenance needs and major M&R during that interval. The results of this analysis are provided in Table V below.

Table V: 10-Year M&R Costs under Unlimited Funding Scenario

Year	Preventative	Major M&R	Total Year Cost
2011	\$184,437.47	\$2,198,017.65	\$2,382,455.12
2012	\$108,364.34	\$237,722.01	\$346,086.35
2013	\$120,763.45	\$7,755.10	\$128,518.55
2014	\$26,963.50	\$1,013,859.41	\$1,040,822.91
2015	\$27,549.37	\$38,608.17	\$66,157.54
2016	\$33,187.65	\$0.00	\$33,187.65
2017	\$29,073.30	\$178,753.64	\$207,826.94
2018	\$39,095.02	\$50,350.75	\$89,445.77
2019	\$52,155.02	\$67,715.16	\$119,870.18
2020	\$76,713.73	\$0.00	\$76,713.73
Total	\$698,302.85	\$3,792,781.89	\$4,491,084.74

Note: Costs are adjusted for inflation.

The implementation of the 10-Year major M&R plan is expected to provide an improvement in the overall condition of the airfield pavement, where the area-weighted PCI would increase from 65 in 2011 to 85 in 2020. Appendix F lists the major M&R for the 10-Year program. Appendix G graphically depicts the activity.

It is important to note that although preventative and some major M&R activities would have to be conducted over several years, the area-weighted PCI value for all Lake Wales Municipal Airport pavements in 2020 may remain near 85. The airport manager should realize that what is

most important is that the pavement repair work (preventative and major M&R) that has been identified for Lake Wales Municipal Airport is conducted at some point in the 10-year plan.

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. There are millions of square yards of pavement for the runways, taxiways, aprons and other areas of these airports that support aircraft operations. The timely and proper maintenance and rehabilitation (M&R) of these pavements allows the airports to operate efficiently, economically and without excessive down time.

In order to support the planning, scheduling, and design of the M&R activities based on pavement evaluation and pavement management performance trends, the Florida Department of Transportation (FDOT) Aviation Office implemented the Statewide Airfield Pavement Management Program (SAPMP) in 1992.

In 2010, the FDOT Aviation Office selected a Consultant team consisting of Kimley-Horn and Associates and their Subconsultants, MACTEC Engineering and Consulting and All About Pavements, Inc., to provide services in support of FDOT in the continuing evaluation and updating of the existing SAPMP to be completed over fiscal years 2011 and 2012.

This report discusses the work performed, a summary of the findings, results, and recommendations for M&R planning associated with the update to the SAPMP. It also describes the procedures used to ensure that the appropriate engineering and scientific standards of care, quality, budget, and schedule requirements are implemented during the performance of the SAPMP.

1.1 Purpose

This Florida Airport Pavement Evaluation Report is intended to:

- Describe, briefly, the SAPMP and the roles and responsibilities of the program's participants;
- Provide background information on pavement management principles, objectives, and benefits to this airport;
- Outline the procedures used to collect, evaluate and report pavement inspection results at this airport;
- Present the findings from the pavement inspection;
- Analyze and discuss the needs for Maintenance and Rehabilitation (M&R) activities and associated costs for this airport.

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 State system, identify maintenance needs at individual airports, automate information management, and establish standards to address future needs. The 1992 SAPMP provided valuable information for establishing and performing pavement M&R.

In 1992/1993, and 1998/1999, the FDOT Aviation Office participated in the development of a proprietary software pavement management system and developed and populated a pavement management database that provided valuable information for establishing M&R policies, estimating M&R costs, and developing recommendations for performing routine pavement maintenance. This system, AIRPAV, was implemented, and initial condition surveys were

performed in 1992 and 1993. The SAPMP was updated with additional surveys in 1998 and 1999.

In 2004, the FDOT Aviation Office undertook a project to update the pavement management system software utilized for the SAPMP. This project involved a review of the AIRPAV software and other available pavement management system software. As a result of this review, MicroPAVER was selected as the software for the update project. Data from the 1998/1999 condition surveys were converted to the MicroPAVER system, and the inventory of the pavement systems and drawings of the pavements were updated to reflect maintenance, rehabilitation, and construction activities since 1998/1999. The pavements were inspected between 2006 and 2008, and an updated M&R program was developed based on the new condition of the airfield pavements. As part of the update, procedures for the inspection and collection of pavement data were developed, and a website (www.floridaairportpavement.com) was created for the input of data under secure procedures.

Currently, airports using the AIP Grant Program are required by the Federal Aviation Administration (FAA) to develop a pavement maintenance program (FAA/AC 150/5380-6B "Guidelines and Procedures for Maintenance of Airport Pavements") using trained personnel to perform a detailed inspection of airfield pavements. The inspections are required to be performed at least once a year or every 3 years if pavement inspection is characterized in the form of a Pavement Condition Index (PCI) survey (such as ASTM D 5340 "Standard Test Method for Airport Pavement Condition Index Surveys", (2004 edition)). The 2004 edition was utilized in lieu of the 2010 edition to maintain database integrity and benefit of pavement performance curves from the previous inspections.

In 2010, the FDOT Aviation Office selected a team consisting of the Consultant and their Subconsultants to provided services in support of FDOT in the continuing evaluation and updating of the existing SAPMP to be completed over fiscal years 2011 and 2012.

1.3 Organization

1.3.1 Aviation Office Program Manager Role

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

1.3.2 Consultant Role

The Consultant (Kimley-Horn and Associates, Inc.) and their Subconsultants (MACTEC Engineering and Consulting and All About Pavements, Inc.) provide technical and administrative assistance to the AO-PM during the execution of this program, which involves the continuing evaluation of airport pavements and updating of the SAPMP based upon procedures outlined in FAA Advisory Circular 150/5380-6B "Guidelines and Procedures for Maintenance of Airport Pavements" and ASTM D 5340 "Standard Test Method for Airport Pavement Condition Index Surveys" (2004).

1.3.3 Airport Role

The airports are the ultimate client for each of the field inspections and reports. 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 update, indicate any construction activity that has been performed since the previous inspections.

1.4 Pavement Types and Pavement Management

1.4.1 Pavement basics

A pavement is a prepared surface designed to provide a continuous smooth ride at a certain speed and to support an estimated amount of traffic for a certain number of years. Pavements are constructed of a combination of subgrade soils, subbases, bases and surfacing. There are mainly two types of pavements;

- Flexible pavement, composed of an asphalt concrete (AC) surface, and
- Rigid pavement composed of a Portland Cement Concrete (PCC) surface.

Both pavement types use a combination of layered materials and thicknesses in order to support the traffic loads and protect the underlying natural subgrade soil. Flexible pavements (AC) dissipate the load from layer to layer until the load magnitude is small enough to be supported by the subgrade soil. In rigid pavements (PCC), the Portland Cement Concrete supports most of the load, and the base or subbase layer is mainly constructed to provide a smooth and continuous platform for the construction of the concrete surface.

A small percentage of the airport pavements in Florida are composed of asphalt concrete surface over Portland Cement Concrete (APC). This pavement type is known as "composite" pavement.

Due to the different nature of the pavement types and their materials, flexible and rigid pavements have different distresses and failure mechanisms. Understanding the mechanics and failure modes of both pavement types will assist engineers in making adequate and long lasting repairs or rehabilitation to the pavement structures.

1.4.2 Pavement Management System Concept

The SAPMP utilized a Pavement Management System (PMS) to develop the M&R recommendations discussed in this report. A PMS is a tool to assist engineers, planners and managing agencies in making decisions when planning pavement M&R. The management of pavements involves scheduling pavement maintenance and rehabilitation before pavements deteriorate to a condition where reconstruction (the most expensive alternative) is the only solution. Figure 1-1 below, taken from FAA/AC 5380-7A "Airport Pavement Management Program", illustrates how a pavement generally deteriorates and the relative cost of rehabilitation at various times throughout its life. Note that during the first 75 percent 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" condition depends on how well it is maintained. As the illustration demonstrates, the cost of maintaining the pavement above a critical condition before rapid deterioration has occurred.

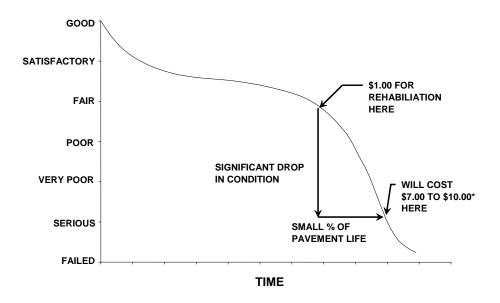


Figure 1-1: Pavement Life Cycle

Source: FAA/AC 150/5380-7A "Airport Pavement Management Program" *Modified to reflect current construction costs.

Pavements deteriorate at an accelerated rate with increasing traffic and limited M&R resources. Planned maintenance and rehabilitation, essentially preventing pavements from reaching deteriorated conditions, helps managers/owners/agencies maximize the use of their budgets and prolong the life of the pavements. A PMS provides a tool to schedule and plan maintenance and rehabilitation based on engineering information and existing and predicted conditions of pavements.

There are several components or elements that are essential to a PMS. The first steps in the implementation of a PMS are to know and clearly identify what needs to be managed, the limits of the managing agency's responsibilities and the condition of the existing pavements. Once the cause and the extent of pavement problems are known, the appropriate maintenance and/or rehabilitation can be planned. By using local unit costs and expected yearly budgets, a multi-year M&R plan can be determined.

1.4.3 Pavement Inspection Methodology for the SAPMP

Pavement condition assessment is one of the primary decision variables in any airport PMS. Pavement condition assessments generally include visual surveys in accordance with ASTM D 5340, "Standard Test Method for Airport Pavement Condition Index Surveys" and structural evaluation. Pavement condition surveys assess the functional condition of the pavement surface. Typically, most problems within a pavement structure will eventually reflect to the pavement surface. The structural condition and relative support of the pavement layers can be assessed utilizing non-destructive deflection testing (NDT) as well as other in-depth engineering evaluation or sampling and testing methods.

For the Statewide Aviation Pavement Management Program update, only visual surveys were performed. Further structural and geotechnical testing should be conducted to determine the appropriate rehabilitation methods during the design process.

In preparation of the PCI surveys, the airfield pavements are divided into sample units as established in FAA AC 150/5380-6B and ASTM D 5340. Further discussion of how the airport pavements are divided and subdivided into units by construction and use can be found in Section 2 "Network Definition and Pavement Inventory" of this report.

Sample unit sizes are approximately 5000 ± 2000 square feet for AC-surfaced pavements and 20 ± 8 slabs for PCC-surfaced pavements. Prior to conducting the field inspections, the sampling plan was developed based on previous sampling and modified based on the available knowledge of Branches, Sections, use patterns, construction types and history. The sampling rate used for the FDOT Statewide Airfield Pavement Management Program is provided in Table 1-1 below.

	AC Pavemen	ts		PCC Paveme	ents	
NT	n		N	n		
Ν	Runway	Others	Ν	Runway	Others	
1-4	1	1	1-3	1	1	
5-10	2	1	4-6	2	1	
11-15	3	2	7-10	3	2	
16-30	5	3	11-15	4	2	
31-40	7	4	16-20	5	3	
41-50	8	5	21-30	7	3	
<u>></u> 51	20% but <u><</u> 20	10% but <10	31-40	8	4	
			41-50	10	5	
			<u>></u> 51	20% but <u><</u> 20	10% but <u><</u> 10	

Table 1-1: Sampling Rate for FDOT Condition Surveys

Where

N = total number of sample units in Section<math>n = number of sample units to inspect

The sample units to inspect are determined by a systematic random sampling technique. This means that the locations are determined such that they are distributed evenly throughout the Section. In the case when nonrepresentive distresses are observed in the field, additional sample units were added.

The distress quantities and severity levels from the sample units are used to compute the PCI value for each Section. PCI values range from 0 to 100. As Figure 1-2 below indicates, MicroPAVER provides a rating scale that relates PCI to pavement condition. A PCI between 0 and 10 is considered 'Failed' pavement, and a PCI between 86 and 100 is considered 'Good' pavement, with five other conditions for PCI values between 11 and 85.

РСІ	Condition Rating
86 - 100	Good
71 - 85	Satisfactory
56 - 70	Fair
41 - 55	Poor
26 - 40	Very Poor
11 - 25	Serious
0 – 10	Failed

Figure 1-2: PCI Rating Scale

1.5 Definitions

<u>Aviation Office</u> - The Aviation Office is charged with responsibility for promoting the safe development of aviation to serve the people of the State of Florida. The Aviation Office Program Manager (AO-PM) has review and approval authority for each program task of the SAPMP.

<u>Base Course</u> - Base Course is a layer of manufactured material, usually crushed rock (aggregate) or stabilized material (asphalt or concrete or Florida Limerock), immediately beneath the surface course of a pavement, which provides support to the surface course.

<u>Branch</u> - A Branch designates pavements that have common usage and functionality, such as an entire runway, taxiway, or apron.

<u>Branch ID</u> - A short form identification for the pavement Branch. In this report, Branch includes the common designation for the item e.g. RW 18-36.

<u>Category</u> - The Category classifies the airport according to the type and volume of aircraft traffic, as follows:

- GA for general aviation or community airports;
- RL for regional relievers or small hubs;
- PR for primary (certified under Part 139 requirements).

<u>Critical PCI</u> - The PCI value considered to be the threshold for M&R decisions. PCI above the Critical generate economical activities expected to preserve and prolong acceptable condition. M&R for PCI values less than Critical make sense only for reasons of safety or to maintain a pavement in operable condition. A pavement section is expected to deteriorate very quickly once it reaches the Critical PCI and the unit cost of repair increases significantly.

<u>Distress Type</u> - A distress type is a defined visible defect in pavement evidenced by cracking, vertical displacement or deterioration of material. In PCI technology, 16 distinct distress types for asphalt surfaced and 15 for Portland Cement Concrete surfaced pavements have been described and rated according to the impact their presence has on pavement condition.

<u>Florida DOT (FDOT)</u> - Florida Department of Transportation was represented in this project by the Office of Aviation.

<u>Global M&R</u> - Global M&R is defined as activities applied to entire pavement Sections with the primary objective of slowing the rate of deterioration. These activities are primary for asphalt surfaced pavements, e.g. surface treatments.

Localized M&R (Maintenance and Repair) - Localized M&R is a temporizing activity performed on existing pavement to extend its serviceability and/or to improve rideability. Localized M&R can be applied either as a safety (stop-gap) measure or preventive measure. Common localized maintenance methods include crack sealing, joint sealing, and patching.

<u>Major M&R (e.g. Rehabilitation)</u> - Activities performed over the entire area of a pavement Section that are intended to restore and/or maintain serviceability. This includes asphalt overlays, milling and replacing asphalt pavement, reconstruction with asphalt, reconstruction with Portland Cement Concrete (PCC) pavements, and PCC overlays.

<u>MicroPAVER</u> - A commercially available software subsidized by FAA and agencies in the US Department of Defense developed to support engineered management of pavement assets using a condition based approach. This software has the functionality such that, if properly implemented, maintained, and operated, it meets the pavement management program requirements described by the FAA in Advisory Circular 150/5380-7A.

<u>Minimum Condition Level</u> - A threshold PCI value established by FDOT to represent the targeted minimum pavement condition that is desirable in the Florida Airport System. These values were established with consideration of pavement function and airport type. For instance, runways have higher minimum condition levels than aprons, and Primary airports have higher minimum condition levels than General Aviation airports.

<u>Network Definition</u> - A Network Definition is a Computer-Aided Drafting & Design (CADD) drawing which shows the airport pavement outline with Branch and Section boundaries. This drawing also includes the PCI sample units and is used to identify those sample units to be surveyed, i.e. the sampling plan. The Network Definition for the airport is in Appendix A along with a table of inventory data.

<u>Pavement Condition Index (PCI)</u> - The Pavement Condition Index is a number which represents the condition of a pavement segment at a specific point in time. It is based on visual identification and measurement of specific distress types commonly found in pavement which has been in service for a period of time. The definitions and procedures for determining the PCI are found in ASTM D 5340, published by ASTM International.

<u>Pavement Evaluation</u> - A systematic approach undertaken by trained and experienced personnel intended for determination of the condition, serviceability, and best corrective action for pavement. Techniques to standardize pavement evaluation include the Pavement Condition Index procedures.

<u>Pavement Management System (PMS)</u> - A Pavement Management System is a broad function that uses pavement evaluation and pavement performance trends as a basis for planning, programming, financing, and maintaining a pavement system.

<u>Pavement Surface Type</u> - The surface of pavement is identified as one of four types:

- AC for asphalt surface pavements;
- PCC for Portland Cement Concrete pavements;
- AAC for asphalt surface pavements that have had an asphalt overlay at some point in their construction history;
- APC for composite pavements, which consist of asphalt over Portland Cement Concrete pavement.
- PAC for composite pavements, which consist of Portland Cement Concrete over asphalt pavement.

<u>Rank</u> - Pavement rank in MicroPAVER determines the priority to be assigned to a pavement Section when developing an M&R plan. Pavement Sections are ranked as follows according to their use:

- P for Primary pavements, such as primary runways, primary taxiways, and primary aprons;
- S or Secondary pavements, such as secondary runways, secondary taxiways, and secondary aprons;
- T for Tertiary pavements such as "T" hangars and slightly used aprons.

<u>Reconstruction</u> - Reconstruction includes removal of existing pavement, preparation of subgrade, and construction of new pavement with new or recycled materials. Reconstruction is indicated when distress types evident at the surface indicate failure in the pavement structure or subgrade of a type, and to an extent, not correctable by less extensive construction.

<u>Rehabilitation</u> - Rehabilitation represents construction using existing pavement for a foundation. Rehabilitation most commonly consists of an overlay of existing pavement with a new asphalt or concrete surface. Recently, technology has expanded the options to include recycling of existing pavement and incorporating engineering fabrics or thin layers of elasticized materials to retard reflection of distress types through the new surface.

<u>Sample Unit</u> - Uniformly sized portions of a Section as defined in ASTM D 5340. Sample units are a means to reduce the total amount of pavement actually surveyed using statistics to select and survey enough area to provide a representative measure of Section PCI. Sample Unit sizes are $5,000 \pm 2,000$ square feet for AC-surfaced pavements and 20 ± 8 slabs for PCC-surfaced pavements.

<u>Section</u> - Sections subdivide Branches into portions of similar pavement. Sections are prescribed by pavement structure, age, condition, and use. Sections are identified on the airport Network Definition. They are the smallest unit used for determining M&R requirements based on condition.

<u>Section ID</u> - A short form identification for the pavement Section that maintains the original AirPAV identification where 100 series through 3000 series Sections are taxiways, 4000 and 5000 series Sections are aprons (the 5000 series represent run-up aprons and turnarounds), and 6000 series Sections are runways.

<u>Statewide Airfield Pavement Management Program (SAPMP)</u> – The Statewide Airfield Pavement Management Program is a program implemented in 1992 by the Florida Department of Transportation to plan, schedule, and design the maintenance and rehabilitation activities

necessary for the airfield pavement on Florida's public airports to allow the airports to operate efficiently, economically, and without excessive down time.

<u>System Inventory</u> - A System Inventory is a Computer-Aided Drafting & Design (CADD) drawing which shows the airport pavement outline and identifies airfield construction activities since the last inspection. The System Inventory for the airport is included in Appendix A.

<u>Use</u> - In MicroPAVER, Use is the term for the function of the pavement area. This is either Runway, Taxiway, or Apron for purposes of the FDOT Statewide Aviation Pavement Management System.

2. NETWORK DEFINITION AND PAVEMENT INVENTORY

Lake Wales Municipal Airport (X07) consists of two runways; RW 6-24, which is 100-ft wide by 3,999-ft long and RW 17-35, which is 75-ft wide by 3,999-ft long. RW 6-24 is served by parallel taxiways Delta and Alpha, each of which are 40-ft wide. RW 17-35 is served by taxiways Charlie and Bravo, which are each 40-ft wide. Currently the airport has T-Hangar facilities located toward the north end of RW 17-35 and tie-down spaces located at the apron areas off of TW Bravo and Alpha. All of the pavement for the runway, taxiways, apron and hangars is constructed with Asphalt Concrete.

It is important to note that the aforementioned runway data in addition to the remaining airfield pavement facilities geometric dimensions may vary slightly from the geometry used in the condition and M&R analysis based on field measurements.

Lake Wales Municipal Airport is publicly owned and used primarily for general aviation, localized recreational glider activity and skydiving. The airport was established in 1928, and underwent improvements during World War II when the Army Corps of Engineers utilized the airport for training as an auxiliary airfield of Sarasota Army Airfield.

This airport is designated as a General Aviation airport and is located in District 1 of the Florida Department of Transportation.

2.1 Network Definition

The pavements within the network are defined in MicroPAVER in terms of manageable units that help to organize the data into similar groups. An organizational hierarchy is used to establish these units.

2.1.1 Branch Section Identification

The airport pavement network is subdivided into separate Branches (runways, taxiways, or aprons) that have distinctly different uses. Branches are then further divided into Sections with similar pavement construction and performance that may share other common attributes.

Sections are manageable units used to organize the data collection and are treated individually during the rehabilitation planning stage. A pavement rank, consisting of primary, secondary, and tertiary levels, is assigned to each Section based on their level and type of use. The pavement rankings that were designated for each Section in the previous SAPMP update were again used for this update.

As discussed in Section 1.4.3 "Pavement Inspection Methodology for the SAPMP", the sections are sub-divided into sample units, which are the smallest subdivision in a pavement network, only for the purpose of conducting the pavement condition survey.

2.1.2 System Inventory and Network Definition Update

The System Inventory and Network Definition drawings are used to identify changes in the network since the most recent update from the 2006/2008 inspections and also to plan the field inspection activities for the 2011 survey. Prior to the field inspection process, the System Inventory drawing was updated from the previous inspection with notes indicating recent

construction projects on the various Sections of pavement throughout the airfield. This System Inventory drawing is used to update the Network Definition drawing.

The Network Definition drawing shows the airport pavement outline with Branch and Section boundaries. This drawing also includes the PCI sample units and is used to identify those sample units to be surveyed, i.e. the sampling plan. The previous airport configuration and history was compared with the current airport configuration, and the existing network branch, section and sample unit designations were revised to match the current configuration. This drawing serves not only as a primary guide for the airfield inspectors but also as an important historical record.

The updated System Inventory and Network Definition drawings for Lake Wales Municipal Airport are provided in Appendix A. Table 2-1 below lists the recent construction projects at the airport.

Table 2-1: Construction Since Last Inspection & Anticipated Construction Activity

Construction Year	Location	Work Type/Pavement Section	
No recent activity information provided			

As indicated by the airport, no recent construction projects have occurred on the airfield pavement since the previous update.

2.2 Pavement Inventory

The detailed pavement inventory was updated to reflect the network definition update and field inspection results.

The total airfield pavement area in 2011 at Lake Wales Municipal Airport is 1,161,250 square feet. The breakdown of pavement area for each pavement use is provided in Table 2-2.

Use	Area (ft ²)	% of Total Area
Runway	693,280	60%
Taxiway	265,110	23%
Apron	202,860	17%
All (Weighted)	1,161,250	100%

Table 2-2: Pavement Area by Pavement Use

Figure 2-1 presents the breakdown of the pavement area at Lake Wales Municipal Airport by surface type.

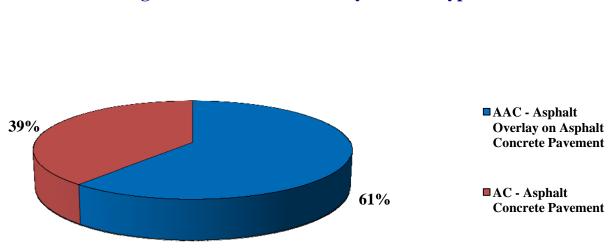


Figure 2-1: Pavement Area by Surface Type

Details of pavement Branch and Section information including Branch name (which indicates pavement use), Branch ID, Section ID, section area, rank, surface type, last construction date, number of samples inspected, and number of samples in each Section are given in Table 2-3 below. A more detailed Pavement Inventory Table may be found in Appendix A of this report.

Branch Name	Branch ID	Section ID	True Area (ft ²)	Section Rank	Surface Type	Last Const. Date	Total Samples Inspected	Sample Units in Section
Apron	AP	4105	108,410	Р	AC	1/1/1988	4	24
Apron	AP	4110	31,760	Т	AC	1/1/2000	2	10
Apron	AP	4115	14,420	Т	AC	7/31/2008	1	5
Apron	AP	4205	37,970	Т	AC	7/31/2008	2	12
Hold Apron for RW 6	AP H RW 6	5102	10,300	Р	AAC	1/1/1978	1	3
Runway 17-35	RW 17-35	6205	290,140	S	AAC	1/1/1997	16	78
Runway 17-35	RW 17-35	6206	3,140	S	AAC	1/1/1997	1	1
Runway 6-24	RW 6-24	6105	400,000	Р	AAC	1/1/1978	28	80
Taxiway Alpha	TW A	105	85,100	Р	AC	1/1/1978	5	21
Taxiway Alpha	TW A	110	3,310	Р	AC	1/1/1988	1	1
Taxiway Alpha	TW A	115	2,880	Р	AAC	1/1/1997	1	1
Taxiway Bravo	TW B	205	14,040	Р	AC	1/1/1978	1	3
Taxiway Bravo	TW B	207	8,950	Р	AC	1/1/2004	1	2
Taxiway Bravo	TW B	210	15,740	Р	AC	1/1/2004	1	4
Taxiway Bravo	TW B	215	4,530	Р	AAC	1/1/1997	1	1
Taxiway Charlie	TW C	305	32,050	Р	AC	1/1/2004	2	6
Taxiway Delta	TW D	405	28,870	Р	AC	1/1/1978	2	7
Taxiway Delta	TW D	410	67,040	Р	AC	1/1/1978	4	17
Taxiway Delta	TW D	415	2,600	Р	AAC	1/1/1997	1	1

Table 2-3: Branch and Section Inventory

Note: If a 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. PAVEMENT CONDITION

Pavement conditions were inspected in accordance with the methods outlined in FAA AC 150/5380-6B and ASTM D 5340-04 "Standard Practice for Airport Pavement Condition Index Surveys." These procedures define distress type, severity and quantity for sampling areas within each section to determine the Pavement Condition Index (PCI).

3.1 Inspection Methodology

A PCI survey is performed by measuring the amount and severity of pavement distresses, which are caused by traffic load, climate, and other factors, observed within a sample unit. This data is imported into MicroPAVER, which calculates PCI values for the pavement sections. Table 3-1 below lists the pavement distress types and related causes for asphalt concrete (AC).

Table 3-1: Pavement Distresses for Asphalt Concrete Surfaces

Code	Distress	Mechanism		
41	Alligator Cracking	Load		
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	Load		
52	Weathering/Raveling	Climate / Load		
53	Rutting	Load		
54	Shoving	Pavement Growth		
55	Slippage Cracking	Load / Pavement Bond		
56	Swelling	Climate / Subgrade Quality		
Source: U.S	Source: U.S. Army CERL, FDOT Airfield Inspection Reference Manual			

Prior to conducting the inspections, Global Positioning System (GPS) coordinates were recorded using CADD at the centroid of each sample unit. The centroid is usually the geometric center of the area, but in cases where sample units are irregular in shape, this is the center of mass. These data are presented in a table on the updated Network Definition Map in Appendix A of this report.

Pavement condition inspections at Lake Wales Municipal Airport were performed in February 2011. Data were recorded in the field in accordance with FAA Advisory Circular 150/5380-6B "Guidelines and Procedures for Maintenance of Airport Pavements" and ASTM D 5340 "Standard Test Method for Airport Pavement Condition Index Surveys" (2004).

After the completion of data collection, the data was imported into MicroPAVER, and PCI values were calculated for the pavement sections.

3.2 Pavement Condition Index Results

According to the 2011 survey, the overall area-weighted PCI at Lake Wales Municipal Airport is 65, representing a Fair overall network condition.

Overall the airport exhibited pavement distresses associated with climate and age distresses. Asphalt Concrete pavement distresses include; weathering, raveling, longitudinal and transverse cracking, and block cracking distresses of which are common of pavements of similar age.

Runway 6-24 exhibited low and medium severity longitudinal and transverse cracking along with low and medium severity weathering and raveling. Low and medium severity block cracking distresses were also very prevalent throughout the runway pavement section. Multiple low severity patches were also located throughout the runway.

Runway 17-35 exhibited low severity longitudinal and transverse cracking along with low severity weathering and raveling. RW 17-35 was in an overall good condition with the majority of the longitudinal cracking being located along the pavement joints, which is a common distress due to the pavement being weakest at this location.

The taxiway and apron pavement exhibited low severity longitudinal and transverse cracking with low and medium severity weathering and raveling. Low severity block cracking distresses were recorded along taxiway Delta.

Appendix B contains a table and a Condition Map which depicts the PCI results by Section, and Appendix C contains a table of PCI results by Branch. Appendix I includes detailed distress data generated by MicroPAVER for each inspected sample unit.

Figure 3-1 provides the PCI distribution by rating category for Lake Wales Municipal Airport.

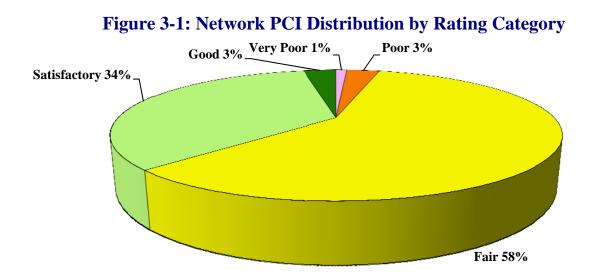


Figure 3-1a: Condition Rating Summary

Condition Rating	Total Area (ft ²)	Percent
Good	37,970	3%
Satisfactory	395,650	34%
Fair	677,730	58%
Poor	39,600	3%
Very Poor	10,300	1%
Serious	0	0%
Failed	0	0%

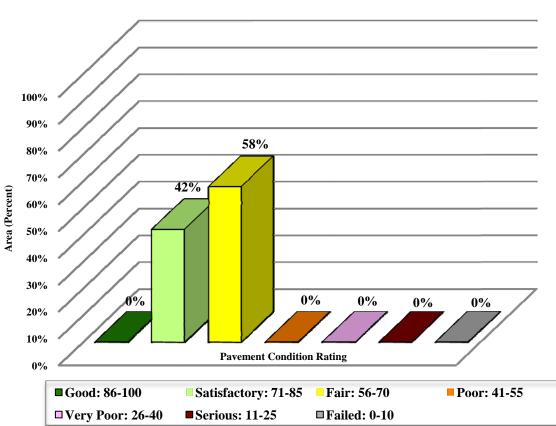
Approximately 37% of the network is in Good and Satisfactory condition while 4% of the network is in Poor and Very Poor condition. Table 3-3 illustrates the area-weighted PCI computed individually for each pavement use.

Use	Area-Weighted PCI	Condition Rating	
Runway	64	Fair	
Taxiway	67	Fair	
Apron	71	Satisfactory	
All (Weighted)	65	Fair	

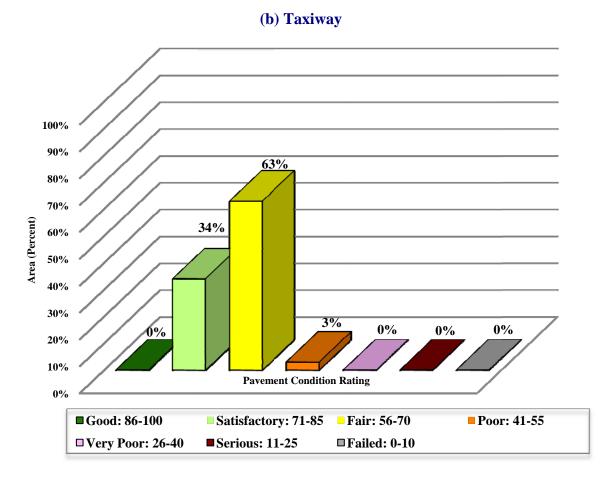
Table 3-2: Condition by Pavement Use

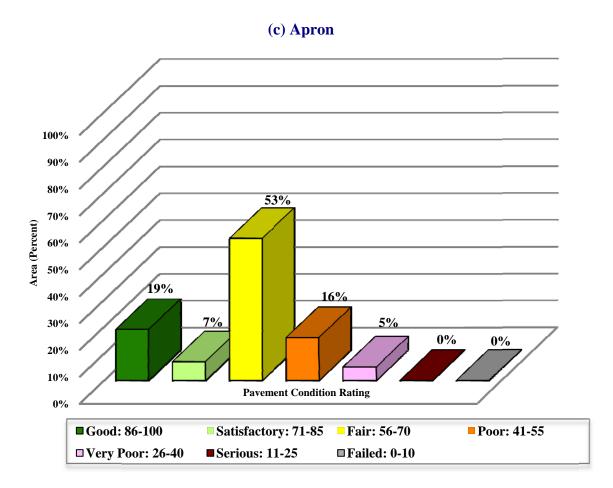
Figure 3-2 presents the breakdown of PCI by range for each pavement use.

Figure 3-2: Percentage of Pavement Area within Each PCI Range by Pavement Use



(a) Runway





4. PAVEMENT CONDITION PREDICTION

Performance prediction models or deterioration curves for PCI were used to develop a condition forecast. The performance models were developed for combinations of variables such as pavement use (runway, taxiway or apron), surface type (AC or PCC) and airport category (GA, RL, or PR). Figure 4-1 illustrates the predicted performance of pavements at Lake Wales Municipal Airport based on current condition, age since last construction and the deterioration model appropriate for the type of pavement. The figure presents the forecast for each pavement use and displays the FDOT minimum service level for General Aviation (GA) airports.

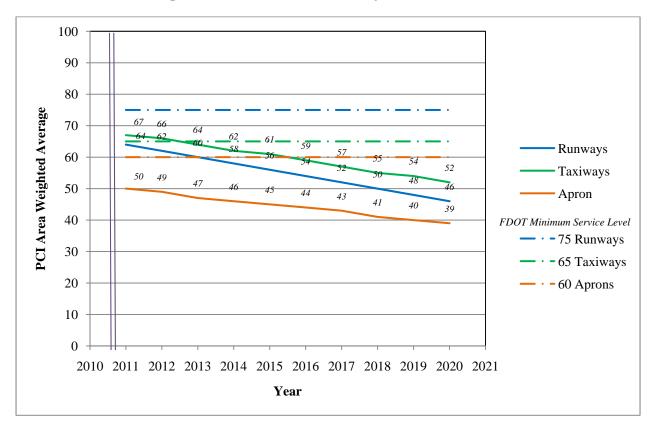


Figure 4-1: Predicted PCI by Pavement Use

Appendix D presents the tabular summary of the predicted Section PCI for each year from 2011 to 2020.

5. MAINTENANCE POLICIES AND COSTS

5.1 Policies

Maintenance and rehabilitation (M&R) policies are sets of rules used to develop repair recommendations for distresses encountered during the visual inspections.

Maintenance refers to repair-type activities that are applied to specific distress types on the pavement. These activities are preventative and/or corrective in nature and are recommended to help achieve the performance goal.

Table 5-1 provides the list of the maintenance activities used in MicroPAVER to treat specific distress types. MicroPAVER applies repairs to these distresses and adjusts the PCI based on specific rules. These repairs are used only in the first year of an analysis.

Rehabilitation is warranted when the pavement condition decreases below a critical point such that the deterioration is extensive or the rate of deterioration is so great that routine maintenance is no longer cost-efficient. This critical point is called "Critical PCI." The critical PCI levels for different pavement and branch types established in the previous SAPMP update were used in this update for the development of the M&R plan for the airport. Sections above critical PCI levels receive routine maintenances while pavements predicted to deteriorate below their respective critical PCI level during the analysis period will be identified for Major M&R. Table 5-2 gives the critical PCI levels for General Aviation Airports.

The maintenance rehabilitation policy and activity costs have been updated based on the study of readily available construction cost data at the time of this study. The costs depicted in this report are intended for planning purposes.

Surface	Distress	Severity*	Work Type	Code	Work Unit
	Alligator Crack	M, H	Patching - AC Deep	PA-AD	SqFt
	Bleeding	N/A	No Localized M&R	NONE	N/A
	Block Crack	M, H	Crack Sealing – AC	CS-AC	SqFt
	Corrugation	L, M, H	Patching - AC Deep	PA-AD	SqFt
	Depression	M, H	Patching - AC Deep	PA-AD	SqFt
	Jet Blast	N/A	Patching - AC Deep	PA-AD	SqFt
	Joint Ref. Crack	M, H	Crack Sealing – AC	CS-AC	Ft
	L & T Crack	M, H	Crack Sealing – AC	CS-AC	Ft
AC	Oil Spillage	N/A	Patching - AC Shallow	PA-AS	SqFt
AC	Patching	М, Н	Patching - AC Deep	PA-AD	SqFt
	Polished Agg.	N/A	No Localized M&R	NONE	N/A
	Develine and	L	Surface Sealing - Rejuvenating	SS-RE	SqFt
	Raveling and Weathering	М	Surface Seal - Coal Tar	SS-CT	SqFt
	weathering	Н	Microsurfacing	MI-AC	SqFt
	Rutting	M, H	Patching - AC Deep	PA-AD	SqFt
	Shoving	M, H	Grinding (Localized)	GR-LL	SqFt
	Slippage Crack	N/A	Patching - AC Shallow	PA-AS	SqFt
	Swelling	M, H	Patching - AC Deep	PA-AD	SqFt
	Blow-Up	L, M, H	Patching - PCC Full Depth	PA-PF	SqFt
	Corner Break	M, H	Patching - PCC Full Depth	PA-PF	SqFt
	Linear Crack	М, Н	Crack Sealing – PCC	CS-PC	Ft
	Durability Creak	Н	Slab Replacement – PCC	SL-PC	SqFt
	Durability Crack	М	Patching - PCC Full Depth	PA-PF	SqFt
	Jt. Seal Damage	М, Н	Joint Seal (Localized)	JS-LC	Ft
	Small Patch	M, H	Patching - PCC Partial Depth	PA-PP	SqFt
PCC	Large Patch	M, H	Patching - PCC Full Depth	PA-PF	SqFt
PCC	Popouts	N/A	No Localized M&R	NONE	N/A
	Pumping	N/A	No Localized M&R	NONE	N/A
	Scaling	Н	Slab Replacement – PCC	SL-PC	SqFt
	Faulting	M, H	Grinding (Localized)	GR-PP	Ft
	Shattered Slab	M, H	Slab Replacement – PCC	SL-PC	SqFt
	Shrinkage Crack	N/A	No Localized M&R	NONE	N/A
	Joint Spall	M, H	Patching - PCC Partial Depth	PA-PP	SqFt
	Corner Spall	M, H	Patching - PCC Partial Depth	PA-PP	SqFt

Table 5-1: Routine Maintenance Activities for Airfield Pavements

L = Low, M = Medium, H = High

Use	Critical PCI
Runway	65
Taxiway	65
Apron	65

Table 5-2: Critical PCI for General Aviation Airports

It should be noted that critical PCI is not the same as Minimum PCI or Minimum Condition. The Minimum PCI is a value set by the user so pavement sections are rehabilitated before they fall below the set minimum. Table 5-3 gives the targeted, or desired, Minimum PCI values for runways, taxiways, and aprons of General Aviation Airports.

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

Minimum PCI			
Runway Taxiway Apron			
75	65	60	

Typical Major M&R activities range from overlays to reconstruction. Based on the critical PCI values in Table 5-2 the PCI trigger range when the likely activity would be a mill and resurface was 40 to 79 and reconstruction at a PCI of 39 or lower. One important concept of pavement management systems is that it is cost effective to maintain pavements that are already in good condition rather than wait for them to get worse and require more expensive rehabilitation.

Crack sealing and full-depth patching are the M&R activities recommended to repair pavements with PCI values between 80 and 90. MicroPAVER considers these as preventative M&R with their primary objective being to slow the rate of pavement deterioration. While the trigger PCI for mill and overlay has been set to 55, MicroPAVER also assigns mill and overlay to sections with a PCI greater than 55 if they exhibit some structural distress. Table 5-4 summarizes the M&R activities for General Aviation Airports based on PCI value.

	Activity	PCI Range
Maintenance	Crack Sealing and Full-Depth Patching	80 and 90
Rehabilitation	Mill and Overlay (AC) or Concrete Pavement Restoration (PCC)	40 to 79
	Reconstruction	39 and less

Table 5-4: M&R Activities for General Aviation Airports

5.2 Unit Costs

FDOT cost databases for airports and highway pavement maintenance and rehabilitation were updated from the previous SAPMP study based on current construction cost trends in order to determine meaningful costs for the program. Table 5-5 presents the unit costs summary.

5.3 M&R Activities

FDOT recognizes that although Mill and Overlay work is recommended for asphalt pavements within a PCI range from 40 to 79, it is conceivable that airports may not have adequate funding to perform this type of rehabilitation. Microsurfacing treatment is a maintenance/rehabilitation measure that can be used in lieu of asphalt pavement mill and overlay; however it should be understood that this measure is intended for short term pavement life extension. While the cost of microsurfacing is significantly lower than that of pavement mill and overlay, it is not intended to be a full rehabilitative measure for long term benefit.

Code	Name	Cost	Unit
GR-LL	Grinding (Localized for AC)	\$2.10	SqFt
PA-AL	Patching – AC Leveling	\$2.30	SqFt
PA-AS	Patching – AC Shallow	\$2.90	SqFt
PA-PF	Patching – PCC Full Depth	\$38.11	SqFt
PA-PP	Patching – PCC Partial Depth	\$19.06	SqFt
SL-PC	Slab Replacement – PCC	\$39.11	SqFt
CS-PC	Crack Sealing – PCC	\$4.24	Ft
UN-PC	Undersealing – PCC	\$3.40	Ft
CS-AC	Crack Sealing – AC	\$2.25	Ft
GR-PP	Grinding (Localized for PCC)	\$22.51	Ft
JS-LC	Joint Seal (Localized)	\$2.00	Ft
SH-LE	Shoulder Leveling	\$2.81	Ft
JS-SI	Joint Seal – Silicon	\$2.81	Ft
PA-AD	Patching – AC Deep	\$4.90	SqFt
OL-AT	Overlay – AC Thin	\$2.80	SqFt
SS-CT	Surface Seal – Coal Tar	\$0.40	SqFt
SS-FS	Surface Seal – Fog Seal	\$0.40	SqFt
SS-RE	Surface Seal – Rejuvenating	\$0.40	SqFt
ST-SB	Surface Treatment – Single Bitum.	\$0.30	SqFt
ST-SS	Surface Treatment – Slurry Seal	\$0.55	SqFt
ST-ST	Surface Treatment – Sand Tar	\$0.28	SqFt
MI-AC	Microsurfacing - AC	\$0.65	SqFt

Table 5-5: Maintenance Unit Costs for FDOT

The improvement in condition due to maintenance actions applied to specific distresses is only performed when an inspection was performed recently and only in the first year of the M&R analysis. In subsequent years, MicroPAVER calculates M&R costs based on expected unit costs for pavements in a range of PCIs. That is, for low PCI, it is expected that the repair would be significant (e.g. reconstruction) and therefore very costly.

Using available unit cost data, the Major M&R Cost by Condition table was set up as shown in Table 5-6. The cost assigned to each range of PCI is based on a Transportation Cost Report provided by Office of Planning Policy of FDOT where the unit costs of reconstruction and resurfacing of airfield pavements were included. These costs were then assigned to the appropriate PCI range to arrive at a cost per square foot necessary to restore pavements at that PCI level to new condition, i.e. a PCI of 100.

Table 5-6: M&R Activities and Unit Costs by Condition for
General Aviation Airports

	Activity	PCI Trigger	Cost/SqFt
Maintenance	Crack Sealing and Full-Depth Patching	90	\$0.06
Wannenance	Clack Sealing and Full-Deput Fatching	80	\$0.24
	Mill and Overlay (AC) or Concrete Pavement Restoration (PCC)	70	\$3.00
		60	\$3.42
Dahahilitatian		50	\$6.29
Rehabilitation		40	\$6.29
		30	\$13.62
	Reconstruction	20	\$13.62

A 3% inflation rate per year was applied to the unit costs during the M&R analysis.

6. PAVEMENT REHABILITATION NEEDS ANALYSIS

Maintenance and Rehabilitation (M&R) analyses were performed after the condition data were calculated and MicroPAVER was customized with the maintenance policies and cost settings described in the previous section.

The objective of the M&R analysis is to observe the effect of different fiscal scenarios on the network condition, over a period of ten years, starting from 2011. The analysis was conducted using an unlimited budget. An unlimited budget allows all M&R needs to be identified along with the associated cost regardless of priority.

Table 6-1 presents the M&R list of immediate needs for Major M&R, i.e. Year 1 of the forecast. The importance of this listing is that it points out the major activities triggered by the current condition of the pavements.

Branch Name	Section ID	Surface Type	Section Area (ft ²)	Major M&R Costs*				PCI After M&R
Apron	4110	AC	31,760	\$	181,540.18	52	Mill and Overlay	100
Hold Apron at RW 6	5102	AAC	10,300	\$	140,286.05	29	Reconstruction	100
Runway 6-24	6105	AAC	400,000	\$	1,597,600.86	58	Mill and Overlay	100
Taxiway Alpha	110	AC	3,310	\$	20,819.90	44	Mill and Overlay	100
Taxiway Bravo	215	AAC	4,530	\$	28,493.70	45	Mill and Overlay	100
Taxiway Delta	410	AC	67,040	\$	229,276.96	60	Mill and Overlay	100
			Total		\$2,198,017.65	48		100

Table 6-1: Summary of Immediate Major M&R Needs Option No. 1

* Costs are adjusted for inflation.

FDOT recognizes that the costs attributed to the aforementioned 'Major Activity' of performing a pavement 'Mill and Overlay' may conflict with budgetary constraints. Table 6-2 presents an alternative minor rehabilitative activity to the mid-range performing pavements. The alternative activity is performing a 'Microsurfacing/Slurry Seal' to the pavement to retard the degradation of the facility until funding is available for a 'Mill and Overlay' activity.

Branch Name	Section ID	Surface Type	Section Area (ft ²)	Major M&R Costs*				PCI After M&R
Apron	4110	AC	31,760	\$	20,644.00	52	Microsurfacing	100
Hold Apron at RW 6	5102	AAC	10,300	\$	140,286.05	29	Reconstruction	100
Runway 6-24	6105	AAC	400,000	\$	260,000.00	58	Microsurfacing	100
Taxiway Alpha	110	AC	3,310	\$	2,151.50	44	Microsurfacing	100
Taxiway Bravo	215	AAC	4,530	\$	2,944.50	45	Microsurfacing	100
Taxiway Delta	410	AC	67,040	\$	43,576.00	60	Microsurfacing	100
			Total		\$469,602.05	48		100

Table 6-2: Summary of Immediate Major M&R Needs Option No. 2

* Costs are adjusted for inflation.

In addition to the immediate Major M&R needs, maintenance activities for pavement areas above critical PCI have been recommended by MicroPAVER for Year 1 and are shown in Table 6-3 below. The costs provided in Table 5-5 were used to calculate the costs associated with this work, which is intended to treat specific distress types. A more detailed table is provided in Appendix E.

Branch Name	Branch ID	Section ID	Distress Description	Distress Severity	Work Description	Work Quantity	Work Unit	Unit Cost	Work Cost
Runway 17-35	RW 17-35	6206	WEATH/RAVEL	L	Surface Seal - Rejuvenating	3,000.00	SqFt	\$0.40	\$1,200.01
Runway 17-35	RW 17-35	6205	WEATH/RAVEL	L	Surface Seal - Rejuvenating	220,022.50	SqFt	\$0.40	\$88,009.73
Apron	AP	4205	WEATH/RAVEL	L	Surface Seal - Rejuvenating	626.60	SqFt	\$0.40	\$250.63
Apron	AP	4115	WEATH/RAVEL	L	Surface Seal - Rejuvenating	4,253.70	SqFt	\$0.40	\$1,701.49
Apron	AP	4105	WEATH/RAVEL	М	Surface Seal - Coat Tar	16,261.50	SqFt	\$0.40	\$6,504.67
Apron	AP	4105	WEATH/RAVEL	L	Surface Seal - Rejuvenating	70,466.40	SqFt	\$0.40	\$28,186.80
Taxiway Delta	TW D	415	WEATH/RAVEL	L	Surface Seal - Rejuvenating	2,080.00	SqFt	\$0.40	\$832.01
Taxiway Delta	TW D	405	WEATH/RAVEL	L	Surface Seal - Rejuvenating	21,411.60	SqFt	\$0.40	\$8,564.70
Taxiway Charlie	TW C	305	WEATH/RAVEL	L	Surface Seal - Rejuvenating	21,930.60	SqFt	\$0.40	\$8,772.30
Taxiway Charlie	TW C	305	WEATH/RAVEL	М	Surface Seal - Coat Tar	1,566.50	SqFt	\$0.40	\$626.59
Taxiway Bravo	TW B	210	WEATH/RAVEL	L	Surface Seal - Rejuvenating	12,600.40	SqFt	\$0.40	\$5,040.20
Taxiway Bravo	TW B	207	WEATH/RAVEL	L	Surface Seal - Rejuvenating	7,160.00	SqFt	\$0.40	\$2,864.03
Taxiway Bravo	TW B	205	WEATH/RAVEL	L	Surface Seal - Rejuvenating	10,530.00	SqFt	\$0.40	\$4,212.03
Taxiway Bravo	TW B	205	WEATH/RAVEL	М	Surface Seal - Coat Tar	982.80	SqFt	\$0.40	\$393.12
Taxiway Alpha	TW A	115	WEATH/RAVEL	L	Surface Seal - Rejuvenating	2,000.00	SqFt	\$0.40	\$800.01
Taxiway Alpha	TW A	105	WEATH/RAVEL	L	Surface Seal - Rejuvenating	63,745.30	SqFt	\$0.40	\$25,498.33
Taxiway Alpha	TW A	105	WEATH/RAVEL	М	Surface Seal - Coat Tar	2,452.00	SqFt	\$0.40	\$980.83
								Total =	\$184,437.48

Table 6-3: Summary of Year 1 Maintenance Activities

The 10 year forecast results are shown in Figure 6-1, illustrating the effect on pavement condition (PCI) of doing no maintenance versus having unlimited funds and performing all M&R actions based on the policies.

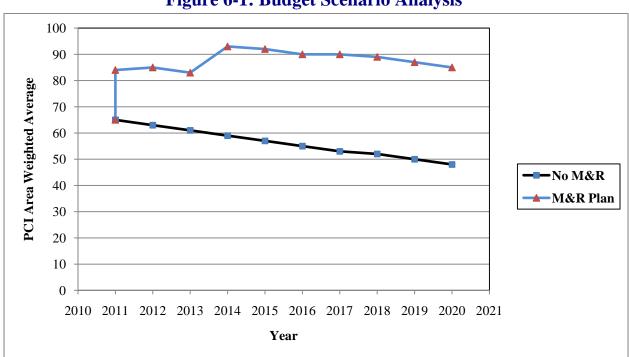


Figure 6-1: Budget Scenario Analysis

The following network level observations can be made from the figure above:

- The PCI will deteriorate from 65 in 2011 to 48 in ten years if no M&R activities are performed.
- The PCI will remain at or above 85 through the 10-year analysis period under the unlimited budget scenario. A 2020 PCI of 85 with this scenario is 37 PCI points higher than a "No M&R" scenario. The total cost for Major M&R over this 10-year period is about \$3.8 million.

7. MAINTENANCE AND REHABILITATION PLAN

The M&R analysis results include activities that likely exceed a typical annual budget level. These activities would need to be evaluated for feasibility and desirability based on the airport's future plans. In an effort to identify appropriate budget levels, the 10 year M&R analysis was evaluated to determine levels needed to address several specific areas: preventive maintenance, major activities for pavements in poor condition (Major M&R for PCIs less than Critical), and activities that would be desirable to preserve good pavement conditions where they exist (Major M&R for PCI greater than or equal to Critical).

Table 7-1 provides the summary results under the critical PCI unlimited funding scenario.

Year	Preventative	Major M&R	Total Year Cost
2011	\$184,437.47	\$2,198,017.65	\$2,382,455.12
2012	\$108,364.34	\$237,722.01	\$346,086.35
2013	\$120,763.45	\$7,755.10	\$128,518.55
2014	\$26,963.50	\$1,013,859.41	\$1,040,822.91
2015	\$27,549.37	\$38,608.17	\$66,157.54
2016	\$33,187.65	\$0.00	\$33,187.65
2017	\$29,073.30	\$178,753.64	\$207,826.94
2018	\$39,095.02	\$50,350.75	\$89,445.77
2019	\$52,155.02	\$67,715.16	\$119,870.18
2020	\$76,713.73	\$0.00	\$76,713.73
Total	\$698,302.85	\$3,792,781.89	\$4,491,084.74

Table 7-1: M&R Costs under Unlimited Funding Scenario

Note: Costs are adjusted for inflation.

Approximately 58% of the total Major M&R cost is required in the first year (2011). According to the 2011 inspections, the following pavement sections were in immediate need of Major M&R Activity:

- Apron Asphalt Pavement mill and overlay activity per the FAA P-401 Specification.
- Hold Apron at RW 6 Asphalt Pavement reconstruction activity per the FAA P-401 Specification.
- **Runway 6-24** Asphalt Pavement mill and overlay activity per the FAA P-401 Specification.
- **Taxiway Alpha, Bravo and Delta** Asphalt Pavement mill and overlay activity per the FAA P-401 Specification.

The unlimited budget scenario provides the basis for estimating the total repair cost.

Appendix F provides details of M&R plan by year under the unlimited funding scenario, and the map of the 10-year M&R plan is provided in Appendix G. It is important to understand that the SAPMP is a network level tool and the M&R costs provided in this report are only for planning purposes.

8. VISUAL AIDS

8.1 System Inventory and Network Definition Drawings

The System Inventory and Network Definition CADD drawings, which show the airport pavement outline with Branch and Section boundaries and identify changes in the network pavement since the last inspection and the sampling plan, respectively, are included in Appendix A of this report.

8.2 Condition Map

A Condition Map that has been prepared based on data linked to the airport's shape file is included in Appendix B. The Condition Map graphically show the inventory and condition of the airport via color coding shown on the shape file. The coding provides a visual representation that illustrates the PCIs for each pavement section.

8.3 10-Year M&R Map

A 10-Year M&R Map that shows the summary of the M&R plan is attached in Appendix G.

8.4 Photographs

Selected digital photographs taken during the pavement inspection are provided in Appendix H to provide visual support to special pavement conditions or distress observed during the inspection of the airport.

9. RECOMMENDATIONS

Pavement condition inspections were performed at Lake Wales Municipal Airport, and a 10-year M&R plan was developed based on the unlimited funding scenario.

The following recommendations were made based on the 2011 condition inspection and M&R analysis results:

- Apron Asphalt Pavement mill and overlay activity per the FAA P-401 Specification.
- Hold Apron at RW 6 Asphalt Pavement reconstruction activity per the FAA P-401 Specification.
- **Runway 6-24** Asphalt Pavement mill and overlay activity per the FAA P-401 Specification.
- **Taxiway Alpha, Bravo and Delta** Asphalt Pavement mill and overlay activity per the FAA P-401 Specification.

Further evaluation of these features is necessary in order to develop repair plans and timing for future budgets since these needs cannot be addressed with typical annual expenditures.

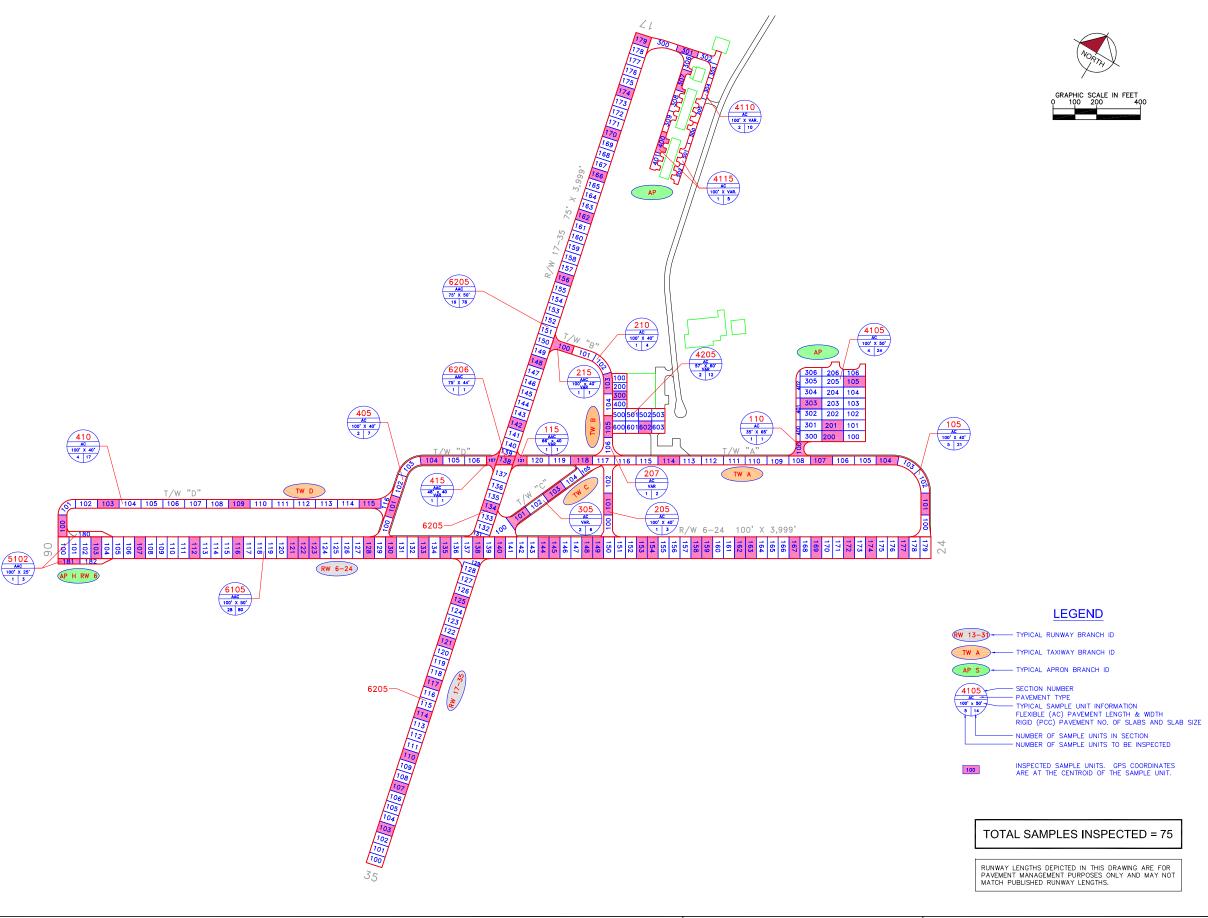
APPENDIX A

NETWORK DEFINITION MAP SYSTEM INVENTORY MAP PAVEMENT INVENTORY TABLE WORK HISTORY REPORT

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RW 6-24 6105 138 27.89311634 41.620324 RW 6-24 6105 140 27.89325599 31.62037 RW 6-24 6105 144 27.8933528 -51.61924 RW 6-24 6105 144 27.8933647 -51.619390 RW 6-24 6105 148 27.8938447 -51.619390 RW 6-24 6105 153 27.89416369 -51.617920 RW 6-24 6105 158 27.8945128 -51.617572 RW 6-24 6105 169 27.8945626 -51.617572 RW 6-24 6105 169 27.89466191 -51.617572 RW 6-24 6105 167 27.89466191 -51.617572 RW 6-24 6105 172 27.89546191 -51.615730 RW 6-24 6105 177 27.89543029 -51.615730 RW 6-24 6105 177 27.8956336 -51.615730 RW 6-24 6105 177 27.8956336 -51.615930 RW 6-24	RW 6-24	6105	133	27.89276721	-81.62099136
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N. W. 6.24 6105 140 27,89325590 61,820057 RW 6-24 6105 144 27,89325590 61,820057 RW 6-24 6105 144 27,89335328 81,619524 RW 6-24 6105 144 27,89336157 -81,619304 RW 6-24 6105 149 27,8938643 -81,618347 RW 6-24 6105 153 27,89446369 -81,618347 RW 6-24 6105 154 27,89445128 -81,617547 RW 6-24 6105 162 27,8945128 -81,617547 RW 6-24 6105 163 27,8945203 -81,617507 RW 6-24 6105 169 27,89549029 -81,617503 RW 6-24 6105 177 27,8956393 -81,615523 RW 6-24 6105 177 27,89564933 -81,615523 RW 6-24 6105 177 27,89564933 -81,615523 RW 6-24 6105 177 27,89564933 -81,615133 AP					
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RW 6-24 6105 149 27.8938844 -81.618857 RW 6-24 6105 153 27.89416369 -81.618324 RW 6-24 6105 158 27.89416369 -81.618324 RW 6-24 6105 158 27.8945128 -81.617657 RW 6-24 6105 159 27.89458262 -81.617627 RW 6-24 6105 163 27.89458262 -81.617524 RW 6-24 6105 163 27.89458054 -81.616590 RW 6-24 6105 172 27.89549029 -81.61570 RW 6-24 6105 174 27.8956393 -81.61573 RW 6-24 6105 177 27.8956356 -81.61573 RW 6-24 6105 177 27.8956356 -81.61523 AP 4205 300 27.8956356 -81.61523 AP 4205 300 27.8956356 -81.61916 AP 4110 301 27.8956907 -81.61918 AP 4105	RW 6-24	6105	148	27.89381457	-81.61899098
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RW 6-24 6105 159 27.89458262 -81.617524 RW 6-24 6105 162 27.89458262 -81.617524 RW 6-24 6105 162 27.89479209 -81.617123 RW 6-24 6105 167 27.895480191 -81.616990 RW 6-24 6105 1199 27.89528033 -81.615790 RW 6-24 6105 172 27.89549029 -81.615790 RW 6-24 6105 177 27.89563933 -81.61523 RW 6-24 6105 177 27.89563936 -81.615123 AP 4005 300 27.89567636 -81.619150 AP 4205 602 27.89549406 -81.619163 AP 4105 300 27.8956973 -81.619163 AP 4105 200 27.8956997 -81.61917 AP 4105 201 27.8965997 -81.61729 AP 4105 201 27.8973205 -81.61729 AP 4105 2	RW 6-24	6105	154	27.89423351	-81.61819081
RW 6-24 6105 162 27,89479209 -81,617123 RW 6-24 6105 163 27,89476209 -81,617123 RW 6-24 6105 167 27,89486191 -81,61699 RW 6-24 6105 1167 27,89540033 -81,616190 RW 6-24 6105 172 27,89542093 -81,61503 RW 6-24 6105 174 27,89563939 -81,61523 RW 6-24 6105 177 27,89563939 -81,61523 AP 4005 300 27,89576364 -81,61906 AP 4205 602 27,89567365 -81,61906 AP 4205 100 27,89567305 -81,61907 AP 4110 301 27,8967306 -81,61916 AP 4105 200 27,8956306 -81,61916 AP 4105 201 27,896597 -81,61674 AP 4105 201 27,896597 -81,61723 AP 4105 303	RW 6-24	6105	158	27.8945128	-81.61765737
RW 6-24 6105 162 27,89479209 -81,617123 RW 6-24 6105 163 27,89476209 -81,617123 RW 6-24 6105 167 27,89486191 -81,61699 RW 6-24 6105 169 27,8954003 -81,616190 RW 6-24 6105 172 27,8954203 -81,616190 RW 6-24 6105 174 27,89562933 -81,61523 RW 6-24 6105 177 27,89563393 -81,61523 AP 4005 300 27,8957636 -81,61906 AP 4205 602 27,8956736 -81,61907 AP 4205 100 27,89567305 -81,61908 AP 4110 301 27,8986907 -81,621342 AP 4105 200 27,8957306 -81,61918 AP 4105 201 27,8965967 -81,61674 AP 4105 303 27,89659697 -81,61573 AP 4105 303	RW 6-24	6105	159	27.89458262	-81.61752401
RW 6-24 6105 163 27.89486191 -81.616990 RW 6-24 6105 167 27.89514119 -81.61690 RW 6-24 6105 179 27.89528083 -81.616190 RW 6-24 6105 179 27.89528083 -81.61570 RW 6-24 6105 174 27.8956393 -81.61573 RW 6-24 6105 174 27.8956393 -81.61523 RW 6-24 6105 174 27.8956393 -81.61523 AP 4005 300 27.8956736 -81.61961 AP 4205 602 27.8956907 -81.61963 AP 4110 301 27.8995008 -81.61916 AP 4105 200 27.8995007 -81.619792 AP 4105 201 27.8967194 -81.61972 AP 4105 201 27.8967194 -81.61729 TW D 410 100 27.8967194 -81.61729 TW D 4105 101 <					
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RW 6-24 6105 174 27,89562993 -81,615523 RW 6-24 6105 177 27,89563939 -81,615523 AP HRW 6 5102 181 27,89563939 -81,61523 AP 4205 300 27,8956736 -81,61961 AP 4205 602 27,8956496 -81,61961 AP 42115 400 27,8956496 -81,61961 AP 4110 301 27,8998472 -81,62132 AP 4110 307 27,89578008 -81,61918 AP 4110 307 27,8956907 -81,61918 AP 4105 200 27,89671846 -81,61918 AP 4105 201 27,89671846 -81,61672 AP 4105 303 27,89671846 -81,61672 AP 4105 107 27,89671846 -81,61729 TW D 410 109 27,89671846 -81,61729 TW D 4105 101 27,8920419<	RW 6-24	6105	169	27.89528083	-81.61619038
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TW B 215 100 27.89563192 -81.620781 TW B 210 103 27.89572985 -81.619918 TW B 207 105 27.89572985 -81.619918 TW B 207 105 27.89526348 -91.619918 TW B 207 101 27.89424223 -81.619049 TW A 115 121 27.8943144 -81.619049 TW A 110 1000 27.8942444 -81.619049 TW A 110 100 27.8942444 -81.619049 TW A 105 101 27.8942444 -81.619049 TW A 105 1010 27.8942444 -81.619049 TW A 105 1014 27.89645158 -81.615954 TW A 105 104 27.89626476 -81.615954 TW A 105 114 27.89526474 -81.616755 TW A 105 114 27.89526474 -81.616925 TW A 105 114 2	AP AP AP AP AP AP AP AP TW D TW D TW D TW D TW D TW D TW D	4115 4110 4105 4105 4105 4105 4105 4105	400 301 307 105 200 201 303 107 100 103 109 115 101 104	27.8986907 27.89984472 27.89950008 27.89732905 27.89659697 27.89671546 27.8964279 27.89416911 27.8906929 27.89122552 27.89206346 27.89206346 27.8920419 27.89301322 27.89376739	-81.62098362 -81.62134217 -81.62134217 -81.62138798 -81.61691881 -81.6167926 -81.6167718 -81.61729509 -81.62076387 -81.62556258
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TW B 207 105 27,89526348 -81,619607 TW B 205 101 27,89442233 -81,619049 TW A 115 121 27,89442233 -81,619049 TW A 115 121 27,89431444 -81,620459 TW A 110 100 27,89645158 -81,617092 TW A 105 101 27,89645158 -81,615173 TW A 105 104 27,8968166 -81,615954 TW A 105 107 27,8962825 -81,616622 TW A 105 114 27,89528474 -81,616622 TW A 105 118 27,8947215 -81,616893 NOTE: GEODETICS REPRESENT DECIMAL DEGREES IND SECRES IND STATE PLANES, INDEGREES IND STATE PLANES, INDEGREES IND STATE PLANES, INDEGREES IND SECRES IND STATE PLANES, INDEGREES IND SECRES IND SECRES INDEGREES INDEGREES IND SECRES INDEGREES INDEGRE	AP AP AP AP AP AP AP AP TW D TW D TW D TW D TW D TW D TW D TW C TW C	4115 4110 4110 4105 4105 4105 4105 415 415 410 410 410 410 410 405 305 305	400 301 307 105 200 201 303 107 100 103 109 115 101 101 104 101 103	27.8986907 27.89984472 27.89950008 27.89732905 27.8965097 27.89651279 27.89681279 27.89416911 27.8906329 27.8912552 27.89226346 27.89220419 27.89301322 27.89301322 27.89301322 27.89301322 27.89301322	-81,62098362 -81,62134217 -81,62118796 -81,61691881 -81,616726 -81,616726 -81,617265 -81,617265 -81,6276625 -81,6276625 -81,62256101 -81,6216525 -81,6215625 -81,62166945 -81,62166245 -81,62165245 -81,621675 -81,621675 -81,621675 -81,621675 -81,621675 -81,621675 -81,621675 -81,621675 -81,621675 -81,621675 -81,621675 -81,621675 -81,621675 -81,621675 -81,621675 -81,62165 -81,621
TW B 205 101 27.89442223 -81.619049 TW A 115 121 27.89431444 -81.620459 TW A 110 100 27.89623482 -81.617092 TW A 105 101 27.89623482 -81.61573 TW A 105 101 27.89663462 -81.61573 TW A 105 104 27.89663166 -81.615954 TW A 105 107 27.89623422 51.615954 TW A 105 107 27.89623426 -81.616759 TW A 105 114 27.89528474 -81.618689 TW A 105 118 27.89472615 -81.618689 NOTE: GEODETICS REPRESENT DECIMAL DEGREES IND DEGREES IND STATE PLANES, WEST ZONE, US FOOT) ALL GPS COORDINATES ARE ART THE CENTRIDIO OF THE SAMP	AP AP AP AP AP AP AP AP AP TW D TW D TW D TW D TW D TW D TW D TW D	4115 4110 4110 4105 4105 4105 4105 410 410 410 410 410 410 405 305 305 305 215	400 301 307 105 200 201 303 107 100 103 109 115 101 101 101 101 103 100	27.8986907 27.89984472 27.89950008 27.8975009 27.89759697 27.89659697 27.896416911 27.8906929 27.89146911 27.8912552 27.8912552 27.89205346 27.89205346 27.89205419 27.89301322 27.89376739 27.8939763 27.89397639 27.89397639 27.89397639	-\$1,62098362 -\$1,62134217 -\$1,62118792 -\$1,6191891 -\$1,619260 -\$1,61687118 -\$1,6179260 -\$1,62076397 -\$1,622076397 -\$1,622076397 -\$1,622076397 -\$1,6221525 -\$1,62266101 -\$1,62166945 -\$1,62166945 -\$1,6217525 -\$1,6207816 -\$1,6207816
TWA 115 121 27.89431444 -81.620459 TWA 110 100 27.89623462 -81.617092 TWA 105 101 27.89623462 -81.617092 TWA 105 101 27.89623462 -81.61573 TWA 105 104 27.89684568 -81.615954 TWA 105 107 27.89623424 -81.615954 TWA 105 114 27.89528474 -81.616759 TWA 105 118 27.89472615 -81.616689 NOTE: GEODETICS REPRESENT DECIMAL DEGREES (ND 85 TLORIDA STATE PLANES, WEST ZONE, US FOOT) ALL GPS COORDINATES AREA TH THE CENTRIDO F THE SAMPL STATEMENTS	AP AP AP AP AP AP AP AP AP TW D TW D TW D TW D TW D TW D TW D TW D	4115 4110 4110 4105 4105 4105 4105 410 410 410 410 410 410 405 305 305 305 215	400 301 307 105 200 201 303 107 100 103 109 115 101 101 101 101 103 100	27.8986907 27.89984472 27.89950008 27.8975009 27.89759697 27.89659697 27.896416911 27.8906929 27.89146911 27.8912552 27.8912552 27.89205346 27.89205346 27.89205419 27.89301322 27.89376739 27.8939763 27.89397639 27.89397639 27.89397639	-\$1,62098362 -\$1,62134217 -\$1,62118792 -\$1,6191891 -\$1,619260 -\$1,61687118 -\$1,6179260 -\$1,62076397 -\$1,622076397 -\$1,622076397 -\$1,622076397 -\$1,6221525 -\$1,62266101 -\$1,62166945 -\$1,62166945 -\$1,6217525 -\$1,6207816 -\$1,6207816
TWA 115 121 27.89431444 -81.620459 TWA 110 100 27.89623462 -81.617092 TWA 105 101 27.89623482 -81.617092 TWA 105 101 27.89623482 -81.61573 TWA 105 104 27.896263168 -81.615954 TWA 105 107 27.89626325 -81.616755 TWA 105 114 27.89528474 -81.619689 NOTE: GEODETICS REPRESENT DECIMAL DEGREES (ND 85 TURNDA STATE PLANES, WEST ZONE, US FOOT) ALL GPS COORDINATES AREA TH THE CENTRIDO F THE SAMPL THAMES, TUNES TURNE STATE TURNES,	AP AP AP AP AP AP AP AP TW D TW D TW D TW D TW D TW D TW D TW D	4115 4110 4110 4105 4105 4105 4105 410 410 410 410 410 410 405 405 305 305 305 215 210	400 301 307 105 200 201 303 107 100 103 109 115 101 104 101 104 101 103 100 103	27.8986907 27.89984472 27.89950008 27.89950008 27.8957586 27.8967586 27.89671546 27.89681279 27.89416911 27.890629 27.892052 27.892052 27.8920346 27.8920346 27.8920346 27.8920346 27.8920346 27.89205 27.892678 27.892678 27.89265	-\$1.62098362 -\$1.62134217 -\$1.62118796 -\$1.61691881 -\$1.61691881 -\$1.6169188 -\$1.617926 -\$1.62756256 -\$1.62256256 -\$1.62256256 -\$1.62256256 -\$1.6225612 -\$1.6225612 -\$1.62159516 -\$1.62159516 -\$1.62152152 -\$1.6204874
TW A 110 100 27.89623462 -81.617092 TW A 105 101 27.89645158 -81.617092 TW A 105 101 27.89645158 -81.615173 TW A 105 104 27.89628166 -81.615954 TW A 105 107 27.89628256 -81.616755 TW A 105 114 27.89528474 -81.616755 TW A 105 114 27.89528474 -81.616689 NOTE: GEODETICS REPRESENT DECIMAL DEGREES IND 08 FLORIDA STATE PLANES, WEST ZONE, US FOOT) ALL GPS COORDINATES AREA TH THE CENTRIDO F THE SAMPL	AP AP AP AP AP AP TW D TW B TW B	4115 4110 4110 4105 4105 4105 4105 410 410 410 410 410 410 405 405 305 305 305 215 210 207	400 301 307 105 200 201 303 107 100 103 109 115 101 104 101 104 101 103 105	27.8986907 27.89984472 27.89950008 27.89950008 27.896758697 27.89671546 27.89671546 27.89681279 27.89416911 27.8906829 27.89206829 27.89206829 27.89206846 27.89206446 27.89206446 27.8930678 27.89367739 27.8936978 27.8956192 27.8955192 27.89552848	-\$1,62098362 -\$1,62134217 -\$1,62118792 -\$1,61691881 -\$1,6167146 -\$1,6167146 -\$1,6167146 -\$1,6167146 -\$1,62076387 -\$1,62576326 -\$1,62576326 -\$1,62576326 -\$1,6256326 -\$1,6256326 -\$1,6256326 -\$1,62166945 -\$1,62166945 -\$1,62169454 -\$1,62195162 -\$1,62004574 -\$1,61991872 -\$1,61960793
TWA 105 101 27.89645158 -81.615173 TWA 105 104 27.89668166 -81.615954 TWA 105 107 27.89668166 -81.615954 TWA 105 107 27.89628226 -81.616755 TWA 105 114 27.89528474 -81.618622 TWA 105 118 27.89472615 -81.619689 NOTE: GEODETICS REPRESENT DECIMAL DEGREES (NAD 83 FLORIDA STATE PLANES, WEST ZOHE, US FOOT) ALL GPS COORDINATES AREA TT THE CENTRIDO FTHE SAMPLE THE CENTRIDO F THE SAMPLE	AP AP AP AP AP AP AP TW D TW D TW D TW D TW D TW D TW C TW C TW C TW C TW C TW B TW B	4115 4110 4110 4105 4105 4105 4105 410 410 410 410 410 410 410 405 305 305 305 215 210 207 205	400 301 307 200 201 303 107 103 109 115 101 104 101 103 100 103 105 101	27.8986907 27.89984472 27.89950008 27.8955008 27.8955097 27.8965097 27.8965097 27.89681279 27.89061279 27.8906929 27.89122552 27.89206346 27.8920419 27.89301322 27.8936978 27.8936978 27.8936978 27.893421541 27.89563192 27.89372985	-81,62098362 -81,62134217 -81,62118798 -81,61691881 -81,61691881 -81,6167926 -81,6172650 -81,6276625 -81,6256625 -81,6256625 -81,6256625 -81,6256625 -81,6256625 -81,6256625 -81,6256645 -81,6216956 -81,621078165 -81,619078165 -81,619078165 -81,619078165 -81,61904995 -81,61904995 -81,61904995 -81,61904995 -81,61904995 -81,61904995 -81,61904995 -81,619045 -81,61904
TW A 105 104 27,89668166 -81,615954 TW A 105 107 27,89626225 -81,616755 TW A 105 114 27,89528474 -81,616622 TW A 105 114 27,89528474 -81,618622 TW A 105 118 27,89472615 -81,619689 NOTE: GEODETICS REPRESENT DECIMAL DEGREES (NAD 88 JCNRIDA STATE PLANES, WEST ZONE, US FOOT) ALL GPS COORDINATES AREA TH THE CENTRIDO F THE SAMPLE THANS,	AP AP AP AP AP AP TW D TW D TW D TW D TW D TW C TW C TW C TW B TWB	4115 4110 4110 4105 4105 4105 4105 415 410 410 410 410 410 410 405 305 305 215 210 207 205 115	400 301 307 105 200 201 303 107 100 103 109 115 101 104 101 103 100 103 100 105 101 121	27.8986907 27.89984472 27.8995008 27.8955008 27.8955097 27.8965997 27.89651279 27.89416911 27.8906329 27.8912552 27.8922652 27.89226346 27.89229419 27.89301322 27.89301322 27.89376739 27.89347539 27.89421541 27.89563192 27.89563192 27.89563192 27.89563192 27.89563192 27.89563192 27.89563192 27.89563192 27.89563192 27.89563192 27.89563192 27.89563192 27.89563192 27.89563192 27.89563192 27.89563192 27.8956348 27.895431444	-81,62098362 -81,62134217 -81,62118796 -81,61691881 -81,6167286 -81,6167286 -81,6172850 -81,6256256 -81,6256256 -81,6256256 -81,6256256 -81,6256256 -81,6216545 -81,6216545 -81,6216745 -81,62197816 -81,62197816 -81,62197816 -81,6191872 -81,6194985 -81,6204593 -81,620459 -81,6204593 -81,620459
TW A 105 107 27.89626225 -81.616755 TW A 105 114 27.89528474 -81.618622 TW A 105 118 27.89472615 -81.619689 NOTE: GEODETICS REPRESENT DECIMAL DEGREES (NAD 83 FLORIDA STATE PLANES, WEST ZONE, US FOOT). ALL GPS COORDINATES ARE AT THE CENTRIDO FTHE SAMPLE -81.619689	AP AP AP AP AP AP TW D TW D TW D TW D TW D TW C TW C TW C TW B TWB	4115 4110 4110 4105 4105 4105 4105 415 410 410 410 410 410 410 405 305 305 215 210 207 205 115	400 301 307 105 200 201 303 107 100 103 109 115 101 104 101 103 100 103 100 105 101 121	27.8986907 27.89984472 27.8995008 27.8955008 27.8955097 27.8965997 27.89651279 27.89416911 27.8906329 27.8912552 27.8922652 27.89226346 27.89229419 27.89301322 27.89301322 27.89376739 27.89347539 27.89421541 27.89563192 27.89563192 27.89563192 27.89563192 27.89563192 27.89563192 27.89563192 27.89563192 27.89563192 27.89563192 27.89563192 27.89563192 27.89563192 27.89563192 27.89563192 27.89563192 27.8956348 27.895431444	-81,62098362 -81,62134217 -81,62118796 -81,61691881 -81,6167286 -81,6167286 -81,6172850 -81,6256256 -81,6256256 -81,6256256 -81,6256256 -81,6256256 -81,6216545 -81,6216545 -81,6216745 -81,62197816 -81,62197816 -81,62197816 -81,6191872 -81,6194985 -81,6204593 -81,620459 -81,6204593 -81,620459
TW A 105 107 27.89626225 -81.616755 TW A 105 114 27.89528474 -81.618622 TW A 105 118 27.89472615 -81.619689 NOTE: GEODETICS REPRESENT DECIMAL DEGREES (NAD 83 FLORIDA STATE PLANES, WEST ZONE, US FOOT). ALL GPS COORDINATES ARE AT THE CENTRIDO FTHE SAMPLE -81.619689	AP A	4115 4110 4110 4105 4105 4105 4105 410 410 410 410 410 410 410 405 305 305 305 215 210 207 205 115 110	400 301 307 105 200 201 303 107 100 103 109 115 101 101 101 103 100 103 105 101 101 103 100 103 105 100 100 103 105 100 100 105 105 105 105 105	27.8986907 27.89984472 27.89950008 27.8975009 27.8975095 27.89659697 27.89659697 27.89416911 27.89416911 27.8906329 27.8912552 27.8922552 27.89206346 27.89206346 27.89301322 27.89376739 27.89397639 27.89397639 27.89363192 27.89363192 27.89363482 27.89421541 27.89563482 27.8942223 27.89431444 27.89623482	-81,62098362 -81,62134217 -81,62118796 -81,6169181 -81,6167926 -81,61687118 -81,6167926 -81,6276397 -81,6256256 -81,62276397 -81,6226545 -81,62166945 -81,62166945 -81,621691872 -81,6206793 -81,6206793 -81,61991872 -81,6190793 -81,6204593 -81,6204593 -81,6204593 -81,6109232
TW A 105 114 27.89528474 -81.618622 TW A 105 118 27.89472615 -81.619689 NOTE: GEODETICS REPRESENT DECIMAL DEGREES (NAD 88 FLORIDA STATE PLANES, WEST ZONE, US FOOT). ALL GPS COORDINATES ARE AT THE CENTRIDO F THE SAMPL	AP AP AP AP AP AP AP TW D TW B TWB TWB TWB TWA TWA	4115 4110 4110 4105 4105 4105 410 410 410 410 410 410 410 410 405 305 305 215 210 207 207 205 115 110 105	400 301 307 105 200 201 303 107 100 103 109 115 101 104 101 103 100 103 105 101 121 100 101	27.8986907 27.89984472 27.39950008 27.8975009 27.89650997 27.99650997 27.99650997 27.99416911 27.8964297 27.8921691 27.8920346 27.8920346 27.8920419 27.8920346 27.8920419 27.89265 27.892552 27.89255141 27.89565 27.89256348 27.89421541 27.89421541 27.89421541 27.89421541 27.89421541 27.89421541 27.89421541 27.89421541 27.89421541 27.89421541 27.89421541 27.89421541 27.89421541 27.89421545 27.89421545 27.89421545 27.89421558	-\$1,62098362 -\$1,62134217 -\$1,62118792 -\$1,618718- -\$1,6167142 -\$1,6167142 -\$1,6167142 -\$1,6167142 -\$1,6177142 -\$1,6271612 -\$1,62216126 -\$1,62216126 -\$1,622169450 -\$1,622169450 -\$1,6204874 -\$1,6190792 -\$1,61904992 -\$1,61904992 -\$1,61904992 -\$1,61904992 -\$1,61904992 -\$1,61904992 -\$1,61904992 -\$1,61904992 -\$1,61904992 -\$1,617972 -\$1,617972 -\$1,617972 -\$1,617972 -\$1,617972 -\$1,6177772 -\$1,6177772 -\$1,617777
TW A 105 118 27.89472615 -81.6196899 NOTE: GEODETICS REPRESENT DECIMAL DEGREES (NAD 83 FLORIDA STATE PLANES, WEST ZONE, US FOOT). ALL GPS COORDINATES ARE AT THE CENTROID OF THE SAMPI	AP AP AP AP AP AP AP TW D TW B TWB TWA TWA TWA	4115 4110 4110 4105 4105 4105 4105 410 410 410 410 410 410 405 405 305 305 305 215 210 207 205 115 110 105	400 301 307 105 200 201 303 107 100 103 109 115 101 104 101 103 105 101 121 100 103 105 101 120 100 100 103 105 105 105 105 105 105 105 105	27.8986907 27.89984472 27.89950008 27.8955009 27.8955097 27.8956997 27.89651279 27.89681279 27.89061279 27.89061279 27.8906329 27.89122552 27.89206346 27.89206346 27.8936978 27.8936978 27.8936978 27.8936978 27.8936978 27.89362346 27.89526348 27.89431444 27.89634862 27.89634862 27.89634862 27.89634862 27.89634862	-\$1,62098362 -\$1,62134217 -\$1,62118792 -\$1,61631861 -\$1,6167126 -\$1,6167126 -\$1,6167126 -\$1,612716387 -\$1,62076387 -\$1,62076387 -\$1,62076387 -\$1,62076387 -\$1,62076387 -\$1,62076387 -\$1,622156126 -\$1,62156126 -\$1,62156126 -\$1,62156126 -\$1,62156126 -\$1,621960793 -\$1,61904982 -\$1,61904982 -\$1,61904982 -\$1,61904982 -\$1,61904982 -\$1,61517372 -\$1,61595415
NOTE: GEODETICS REPRESENT DECIMAL DEGREES (NAD 83 FLORIDA STATE PLANES, WEST ZONE, US FOOT). ALL GPS COORDINATES ARE AT THE CENTROID OF THE SAMPI	AP AP AP AP AP AP AP TW D TW D TW D TW D TW D TW C TW C TW B TWB TWB TWB TWA TWA TWA TWA TWA TWA TWA TWA	4115 4110 4110 4105 4105 4105 4105 410 410 410 410 410 410 410 410 405 305 305 215 210 207 205 115 110 105 105	400 301 307 105 200 201 303 107 103 103 109 115 101 104 104 101 103 100 103 105 101 121 100 101 101 101 104 107	27.8986907 27.89984472 27.89950008 27.8955008 27.89550097 27.8965097 27.8965097 27.896697 27.8906929 27.8916911 27.89206346 27.89206346 27.8920419 27.89301322 27.89376739 27.8936978 27.8936978 27.89421541 27.89563192 27.89563192 27.89563192 27.8956348 27.89545158 27.89545158 27.89645158 27.8966166 27.8966255	-81,62098362 -81,62134217 -81,62118796 -81,61691881 -81,6167926 -81,617926 -81,617265 -81,6276625 -81,6276625 -81,6276625 -81,6256162 -81,6256162 -81,6256162 -81,6219511 -81,6216165 -81,6219511 -81,621951 -81,6219511 -81,
WEST ZONE, US FOOT). ALL GPS COORDINATES ARE AT THE CENTROID OF THE SAMPI	AP AP AP AP AP AP TW D TW B TW B TW B TWA TWA TWA TWA TWA TWA TWA TWA	4115 4110 4110 4105 4105 4105 4105 415 410 410 410 410 410 410 410 410 410 410	400 301 307 105 200 201 303 107 100 103 109 115 101 101 103 100 103 100 103 105 101 121 100 101 121 100 101 121 100 101 121 100 101 121 100 101 121 100 101 121 100 101 101	27.8986907 27.89984472 27.89950008 27.89732905 27.8965097 27.89671546 27.89681279 27.89416911 27.8906329 27.89122552 27.8922652 27.89206346 27.8922652 27.8920419 27.89301322 27.89301322 27.89301322 27.89327639 27.89327639 27.8932783 27.8932783 27.8952184 27.89523482 27.89523482 27.896245158 27.8962525 27.89528474	-81,62098362 -81,62134217 -81,62118796 -81,61691861 -81,6167926 -81,6167926 -81,6167926 -81,6256256 -81,62566256 -81,62566256 -81,6256126 -81,6256126 -81,6256126 -81,62166445 -81,621947 -81,621947 -81,621947 -81,621947 -81,621947 -81,621947 -81,621947 -81,621947 -81,621947 -81,621947 -81,621947 -81,621947 -81,621947 -81,621947 -81,62194 -81,62
WEST ZUNE, US FOOT). ALL GPS COORDINATES ARE AT THE CENTROID OF THE SAMPI UNITS.	AP AP AP AP AP AP TW D TW B TW B TW B TWA TWA TWA TWA TWA TWA TWA TWA	4115 4110 4110 4105 4105 4105 4105 415 410 410 410 410 410 410 410 410 410 410	400 301 307 105 200 201 303 107 100 103 109 115 101 101 103 100 103 100 103 105 101 121 100 101 121 100 101 121 100 101 121 100 101 121 100 101 121 100 101 121 100 101 101	27.8986907 27.89984472 27.89950008 27.89732905 27.8965097 27.89671546 27.89681279 27.89416911 27.8906329 27.89122552 27.8922652 27.89206346 27.8922652 27.8920419 27.89301322 27.89301322 27.89301322 27.89327639 27.89327639 27.8932783 27.8932783 27.8952184 27.89523482 27.89523482 27.896245158 27.8962525 27.89528474	-81,62098362 -81,62134217 -81,62118796 -81,61691881 -81,6167926 -81,617926 -81,617265 -81,6276625 -81,6276625 -81,6276625 -81,6256162 -81,6256162 -81,6256162 -81,6219511 -81,6216165 -81,6219511 -81,621951 -81,6219511 -81,
	AP AP AP AP AP AP AP TW D TW B TW B TW A NOTE: GEODETIT	4115 4110 4110 4105 4105 4105 4105 410 410 410 410 410 410 410 410 410 410	400 301 307 105 200 201 303 107 100 103 109 115 101 104 101 104 101 103 105 101 105 101 121 100 101 121 100 101 121 100 101 1121 100 105 101 105 105 105 105 105 105 10	27.8986907 27.89984472 27.89950008 27.8955008 27.8955009 27.89571546 27.896697 27.89681279 27.8912552 27.89122552 27.89122552 27.89206346 27.8920419 27.89301322 27.89376739 27.8936739 27.8936739 27.89421541 27.89563192 27.89563192 27.89563192 27.89563192 27.89563192 27.89563165 27.8956348 27.8956348 27.8956348 27.8956348 27.8956348 27.89563165 27.8956346 27.89563165 27.89563165 27.89562474 27.89645158	-81,62098362 -81,62134217 -81,62118795 -81,6167926 -81,6167926 -81,6167926 -81,6172560 -81,6276367 -81,6256626 -81,6256626 -81,625612 -81,625612 -81,625612 -81,6216942 -81,6219457 -81,6197906 -81,6197906 -81,6197906 -81,6194982 -81,6194982 -81,6194982 -81,6194982 -81,6194982 -81,6194982 -81,619457506 -81,61962214 -81,61682214 -81,61682214 -81,61682214 -81,61682214 -81,6168224 -81,61968204 -81,61968204 -81,6196824 -81,619684 -81,6196
	AP TW D TW C TW B TW A TW A	4115 4110 4110 4105 4105 4105 4105 410 410 410 410 410 410 410 410 410 410	400 301 307 105 200 201 303 107 100 103 109 115 101 104 101 104 101 103 105 101 105 101 121 100 101 121 100 101 121 100 101 1121 100 105 101 105 105 105 105 105 105 10	27.8986907 27.89984472 27.89950008 27.89950008 27.8955009 27.8965097 27.8965097 27.8961279 27.8912552 27.89122552 27.89122552 27.89122552 27.89206346 27.8920419 27.89301322 27.89376739 27.8936739 27.8936739 27.89421541 27.89563192 27.89563192 27.89563192 27.89563192 27.89563192 27.89563192 27.89563192 27.89563165 27.8956346 27.8956346 27.8956346 27.8956346 27.8956346 27.89563166 27.89562474 27.89663166 27.89626255 27.89562474	-81,62098362 -81,62134217 -81,62118795 -81,6167926 -81,6167926 -81,6167926 -81,6172560 -81,6276367 -81,6256626 -81,6256626 -81,625612 -81,625612 -81,625612 -81,6216942 -81,6219457 -81,6197906 -81,6197906 -81,6197906 -81,6194982 -81,6194982 -81,6194982 -81,6194982 -81,6194982 -81,6194982 -81,619457506 -81,61962214 -81,61682214 -81,61682214 -81,61682214 -81,61682214 -81,6168224 -81,61968204 -81,61968204 -81,6196824 -81,619684 -81,6196
	AP TW D TW C TW B TW A TW A	4115 4110 4110 4105 4105 4105 4105 410 410 410 410 410 410 410 410 410 410	400 301 307 105 200 201 303 107 100 103 109 115 101 104 101 104 101 103 105 101 105 101 121 100 101 121 100 101 121 100 101 1121 100 105 101 105 105 105 105 105 105 10	27.8986907 27.89984472 27.89950008 27.89950008 27.8955009 27.8965097 27.8965097 27.8961279 27.8912552 27.89122552 27.89122552 27.89122552 27.89206346 27.8920419 27.89301322 27.89376739 27.8936739 27.8936739 27.89421541 27.89563192 27.89563192 27.89563192 27.89563192 27.89563192 27.89563192 27.89563192 27.89563165 27.8956346 27.8956346 27.8956346 27.8956346 27.8956346 27.89563166 27.89562474 27.89663166 27.89626255 27.89562474	-61.6209836 -81.6213421 -81.6213421 -81.6213421 -81.6167326 -81.6167326 -81.6167326 -81.6167326 -81.627638 -81.625625 -81.625625 -81.625625 -81.6251591 -81.6215951 -81.6215951 -81.6215951 -81.6215951 -81.6215951 -81.6215951 -81.6215951 -81.6215951 -81.6190499 -81.6207816 -81.6190499 -81.6190499 -81.6190499 -81.6190499 -81.6190499 -81.6190499 -81.6196490 -81.6196490 -81.619650 -81.6186221 -81.6186221 -81.6196890
	AP TW D TW C TW B TW A TW A	4115 4110 4110 4105 4105 4105 4105 410 410 410 410 410 410 410 410 410 410	400 301 307 105 200 201 303 107 100 103 109 115 101 104 101 104 101 103 105 101 105 101 121 100 101 121 100 101 121 100 101 1121 100 105 101 105 105 105 105 105 105 10	27.8986907 27.89984472 27.89950008 27.89950008 27.8955009 27.8965097 27.8965097 27.8961279 27.8912552 27.89122552 27.89122552 27.89122552 27.89206346 27.8920419 27.89301322 27.89376739 27.8936739 27.8936739 27.89421541 27.89563192 27.89563192 27.89563192 27.89563192 27.89563192 27.89563192 27.89563192 27.89563165 27.8956346 27.8956346 27.8956346 27.8956346 27.8956346 27.89563166 27.89562474 27.89663166 27.89626255 27.89562474	-81,62098362 -81,62134217 -81,62118795 -81,6167926 -81,6167926 -81,6167926 -81,6172560 -81,6276367 -81,6256626 -81,6256626 -81,625612 -81,625612 -81,625612 -81,6216942 -81,6219457 -81,6197906 -81,6197906 -81,6197906 -81,6194982 -81,6194982 -81,6194982 -81,6194982 -81,6194982 -81,6194982 -81,619457506 -81,61962214 -81,61682214 -81,61682214 -81,61682214 -81,61682214 -81,6168224 -81,61968204 -81,61968204 -81,6196824 -81,619684 -81,6196

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NETWORK DEFINITION MAP	
LAKE WALES MUNICIPAL AIRPORT	FDOT DISTRICT
POLK COUNTY, FLORIDA	4
FLORIDA DEPARTMENT OF TRANSPORTATION - AVIATION OFFICE	

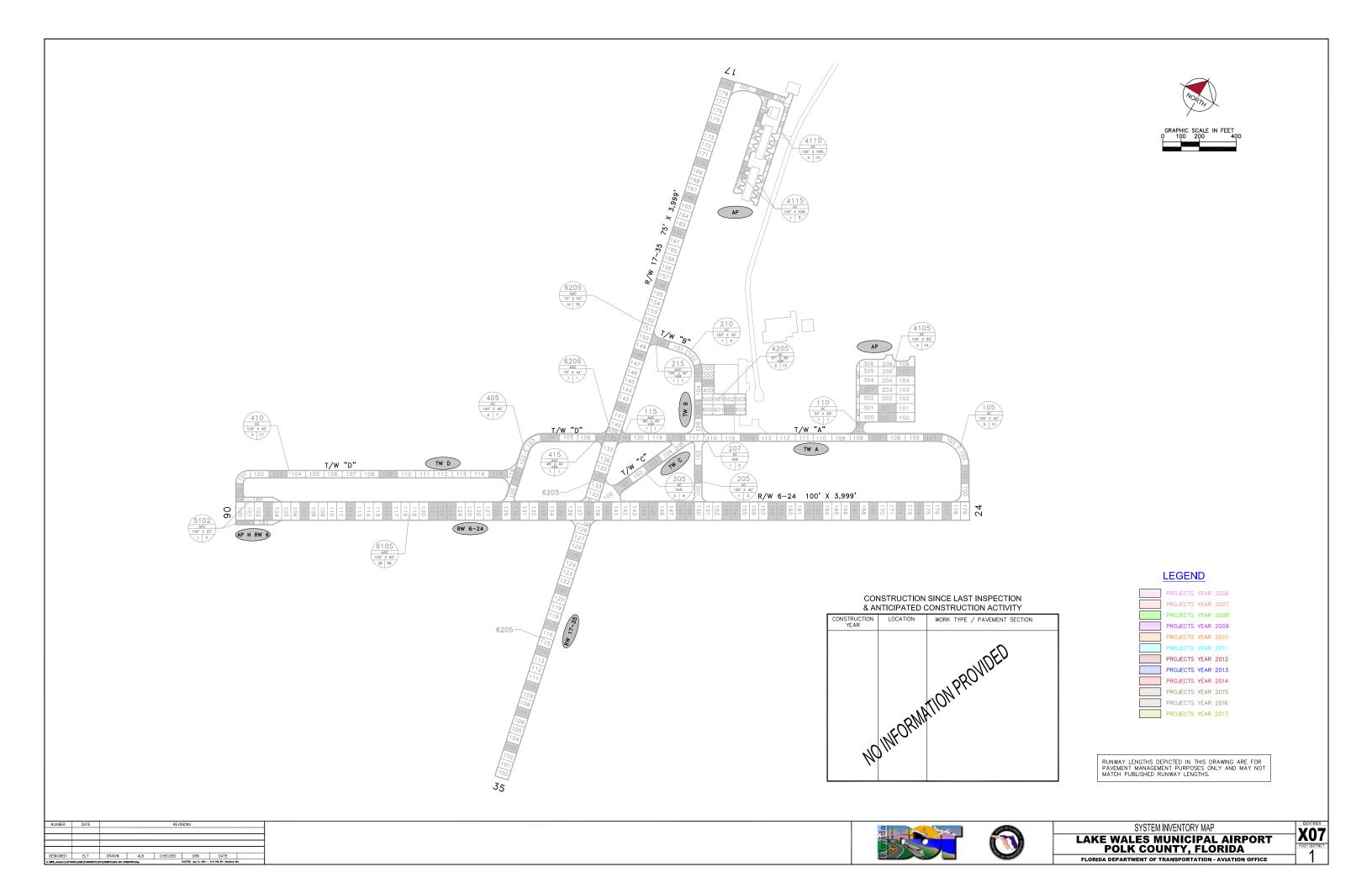


Table A-1: Pavement Inventory

Branch Name	Branch ID	Branch Use	Section ID	Length (ft)	Width (ft)	True Area (ft ²)	Section Rank	Surface Type	Last Const. Date	Last Insp. Date	Total Samples
Apron	AP	APRON	4105	340	320	108,410	Р	AC	1/1/1988	2/21/2011	24
Apron	AP	APRON	4110	990	32	31,760	Т	AC	1/1/2000	2/21/2011	10
Apron	AP	APRON	4115	480	32	14,420	Т	AC	7/31/2008	2/21/2011	5
Apron	AP	APRON	4205	240	154	37,970	Т	AC	7/31/2008	2/21/2011	12
Hold Apron for RW 6	AP H RW 6	APRON	5102	412	25	10,300	Р	AAC	1/1/1978	2/21/2011	3
Runway 17-35	RW 17-35	RUNWAY	6205	3,853	75	290,140	S	AAC	1/1/1997	2/21/2011	78
Runway 17-35	RW 17-35	RUNWAY	6206	79	42	3,140	S	AAC	1/1/1997	2/21/2011	1
Runway 6-24	RW 6-24	RUNWAY	6105	4,000	100	400,000	Р	AAC	1/1/1978	2/21/2011	80
Taxiway Alpha	TW A	TAXIWAY	105	2,100	40	85,100	Р	AC	1/1/1978	2/21/2011	21
Taxiway Alpha	TW A	TAXIWAY	110	65	35	3,310	Р	AC	1/1/1988	2/21/2011	1
Taxiway Alpha	TW A	TAXIWAY	115	66	40	2,880	Р	AAC	1/1/1997	2/21/2011	1
Taxiway Bravo	TW B	TAXIWAY	205	330	40	14,040	Р	AC	1/1/1978	2/21/2011	3
Taxiway Bravo	TW B	TAXIWAY	207	185	40	8,950	Р	AC	1/1/2004	2/21/2011	2
Taxiway Bravo	TW B	TAXIWAY	210	400	40	15,740	Р	AC	1/1/2004	2/21/2011	4
Taxiway Bravo	TW B	TAXIWAY	215	100	40	4,530	Р	AAC	1/1/1997	2/21/2011	1
Taxiway Charlie	TW C	TAXIWAY	305	550	50	32,050	Р	AC	1/1/2004	2/21/2011	6
Taxiway Delta	TW D	TAXIWAY	405	710	40	28,870	Р	AC	1/1/1978	2/21/2011	7
Taxiway Delta	TW D	TAXIWAY	410	1,640	40	67,040	Р	AC	1/1/1978	2/21/2011	17
Taxiway Delta	TW D	TAXIWAY	415	48	40	2,600	Р	AAC	1/1/1997	2/21/2011	1

Note: If a 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.

Date:05/	19/2011	Work Hi Paven	port	1 of 4	
Network: X)7 Br a	anch: AP (APRON)			Section: 4105 Surface: AC
L.C.D.: 01/01	1/1988 Use: AP	RON Rank: P Length:	340.00 Ft	Width:	320.00 Ft True Area: 108.410.00 SaF
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R Comments
01/01/1988 01/01/1988	IMPORTED IMPORTED	OVERLAY BUILT		1.25	True SOIL: SP-SM True 1988: 1.25" AC - DOT TYPE S-1 ON 6" LIME ROCK BASE ON 12" COMPACTED SU
Network: X0 L.C.D.: 01/01		anch: AP (APRON) RON Rank:T Length:	990.00 Ft	Width:	Section: 4110 Surface: AC 32.00 Ft True Area: 31.760.00 SaF
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R Comments
01/01/2000	INITIAL	Initial Construction	\$0	0.00	True
Network: X0 L.C.D.: 07/31		anch: AP (APRON) RON Rank:T Length:	480.00 Ft	Width:	Section: 4115 Surface: AC 32.00 Ft True Area: 14.420.00 SaF
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R Comments
07/31/2008	INITIAL	Initial Construction	\$0	0.00	True
Network: X0 L.C.D.: 07/31		anch: AP (APRON) RON Rank:T Length:	240.00 Ft	Width:	Section: 4205 Surface: AC 154.00 Ft True Area: 37.970.00 SaF
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R Comments
07/31/2008	INITIAL	Initial Construction	\$0	0.00	True
Network: X0 L.C.D.: 01/01)7 Bra I/1978 Use: AP	· · ·	PRON FOR RW 6) 412.00 Ft	Width:	Section: 5102 Surface: AAC 25.00 Ft True Area: 10.300.00 SaF
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R Comments
01/01/1978 01/01/1978	IMPORTED	OVERLAY		1.25	True EXISTING 1.25" AC ON 6" EXISTING BASE True 1978: AC OVERLAY ON
Network: X		anch: RW 17-35 (RUNWA	Y 17-35) 3.853.00 Ft	Width:	Section: 6205 Surface: AAC 75.00 Ft True Area: 290.140.00 SaF
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R Comments
01/01/1997 01/01/1942	IMPORTED IMPORTED	BUILT OVERLAY			True 1997 AC OVERLAY True ESTIMATE 1942 AC ON LIMEROCK BASE
Network: X0 L.C.D.: 01/01)7 Bra 1/1997 Use: RL	anch: RW 17-35 (RUNWA INWAY Rank:S Length:	Y 17-35) 79.00 Ft	Width:	Section: 6206 Surface: AAC 42.00 Ft True Area: 3.140.00 SaF
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R Comments
01/01/1997 01/01/1978	IMPORTED IMPORTED	BUILT OVERLAY			True 1997 AC OVERLAY True ESTIMATE 1978 AC PAVEMENT
Network: X0 L.C.D.: 01/01	07 Bra 1/1978 Use: RL	anch: RW 6-24 (RUNWA INWAY Rank:P Length:	Y 6-24) 4,000.00 Ft	Width:	Section: 6105 Surface: AAC 100.00 Ft True Area: 400.000.00 SaF
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R Comments
01/01/1978	IMPORTED	OVERLAY		1.25	True 1978: AC OVERLAY (THICKNESS JNKNOWN) True 1940'S: 1.25" AC SURFACE ON 6" BASE
01/01/1940		BULL		1.20	COURSE

Date:05/	19/2011		istory Re	port	2 of 4
Network : X(L.C.D .: 01/01)7 Br //1978 Use: TA	ranch: TW A (TAXIWA	YA)	Width:	Section: 105 Surface: AC 40.00 Ft True Area: 85.100.00 SaF
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R Comments
01/01/1978	IMPORTED	BUILT			True ESTIMATE: 1978 AC PAVEMENT
Network: X0 L.C.D.: 01/01	07 Br 1/1988 Use: TA	ranch: TW A (TAXIWA AXIWAY Rank:P Length:	YA) 65.00 Ft	Width:	Section: 110 Surface: AC 35.00 Ft True Area: 3.310.00 SaF
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R Comments
01/01/1988	IMPORTED	BUILT		1.25	True 1988: 1.25" AC - DOT TYPE S-1 ON 6" LIME ROCK BASE ON 12" COMPACTED SU
01/01/1988	IMPORTED	OVERLAY			True SOIL: SP-SM
Network: X0 L.C.D.: 01/01)7 Br /1997 Use: TA	anch: TW A (TAXIWA AXIWAY Rank:P Length:	YA) 66.00 Ft	Width:	Section: 115 Surface: AAC 40.00 Ft True Area: 2.880.00 SaF
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R Comments
01/01/1997 01/01/1942	IMPORTED IMPORTED	OVERLAY BUILT			True 1997 AC OVERLAY True 1942 AC ON LIMEROCK
Network: X0 L.C.D.: 01/01	07 Br 1/1978 Use: TA	ranch: TW B (TAXIWA AXIWAY Rank:P Length:	YB) 330.00 Ft	Width:	Section: 205 Surface: AC 40.00 Ft True Area: 14.040.00 SaF
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R Comments
01/01/1978	IMPORTED	BUILT			True ESTIMATE 1978 AC PAVEMENT
Network: X0 L.C.D.: 01/01	07 Br 1/2004 Use: TA	ranch: TW B (TAXIWA AXIWAY Rank:P Length:	YB) 185.00 Ft	Width:	Section: 207 Surface: AC 40.00 Ft True Area: 8.950.00 SaF
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R Comments
01/01/2004 01/01/1968	OL-AT IMPORTED	Overlay - AC Thin BUILT	\$0	2.00	True True ESTIMATE 1968 AC PAVEMENT
Network: X0 L.C.D.: 01/01)7 Br //2004 Use: TA	ranch: TW B (TAXIWA AXIWAY Rank: P Length:		Width:	Section: 210 Surface: AC 40.00 Ft True Area: 15.740.00 SqF
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R Comments
01/01/2004 01/01/1955	OL-AT IMPORTED	Overlay - AC Thin BUILT	\$0	. ,	True True ESTIMATE 1955 AC PAVEMENT
Network: X		anch: TW B (TAXIWA	YB) 100.00 Ft	Width:	Section: 215 Surface: AAC 40.00 Ft True Area: 4.530.00 SaF
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R Comments
01/01/1997 01/01/1942	IMPORTED IMPORTED	OVERLAY BUILT			True 1997 AC OVERLAY True 1942 AC ON LIMEROCK
Network: X		anch: TW C (TAXIWA	Y C) 550.00 Ft	Width:	Section: 305 Surface: AC 50.00 Ft True Area: 32.050.00 SaF
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R Comments
01/01/2004 01/01/1968	OL-AT IMPORTED	Overlay - AC Thin BUILT	\$0	2.00	True True ESTIMATE 1968 AC PAVEMENT

Date:05/	/19/2011	Work H Paven	3 of 4		
Network: X L.C.D.: 01/0 ⁻		anch: TW D (TAXIWA AXIWAY Rank:P Length:		Width:	Section: 405 Surface: AC 40.00 Ft True Area: 28.870.00 SaF
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R Comments
01/01/1978	IMPORTED	BUILT			True ESTIMATE 1978 AC PAVEMENT
	07 Br 1/1978 Use: TA	anch: TW D (TAXIWA XXIWAY Rank: P Length:		Width:	Section: 410 Surface: AC 40.00 Ft True Area: 67.040.00 SqF
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R Comments
01/01/1978	IMPORTED	BUILT			True ESTIMATE 1978 AC PAVEMENT
Network: X L.C.D.: 01/0 ⁻		anch: TW D (TAXIWA AXIWAY Rank:P Length:	•	Width:	Section: 415 Surface: AAC 40.00 Ft True Area: 2.600.00 SaF
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R Comments
01/01/1997 01/01/1942	IMPORTED IMPORTED	OVERLAY BUILT			True 1997 AC OVERLAY True 1942 AC ON LIMEROCK

Work History Report

Pavement Database:

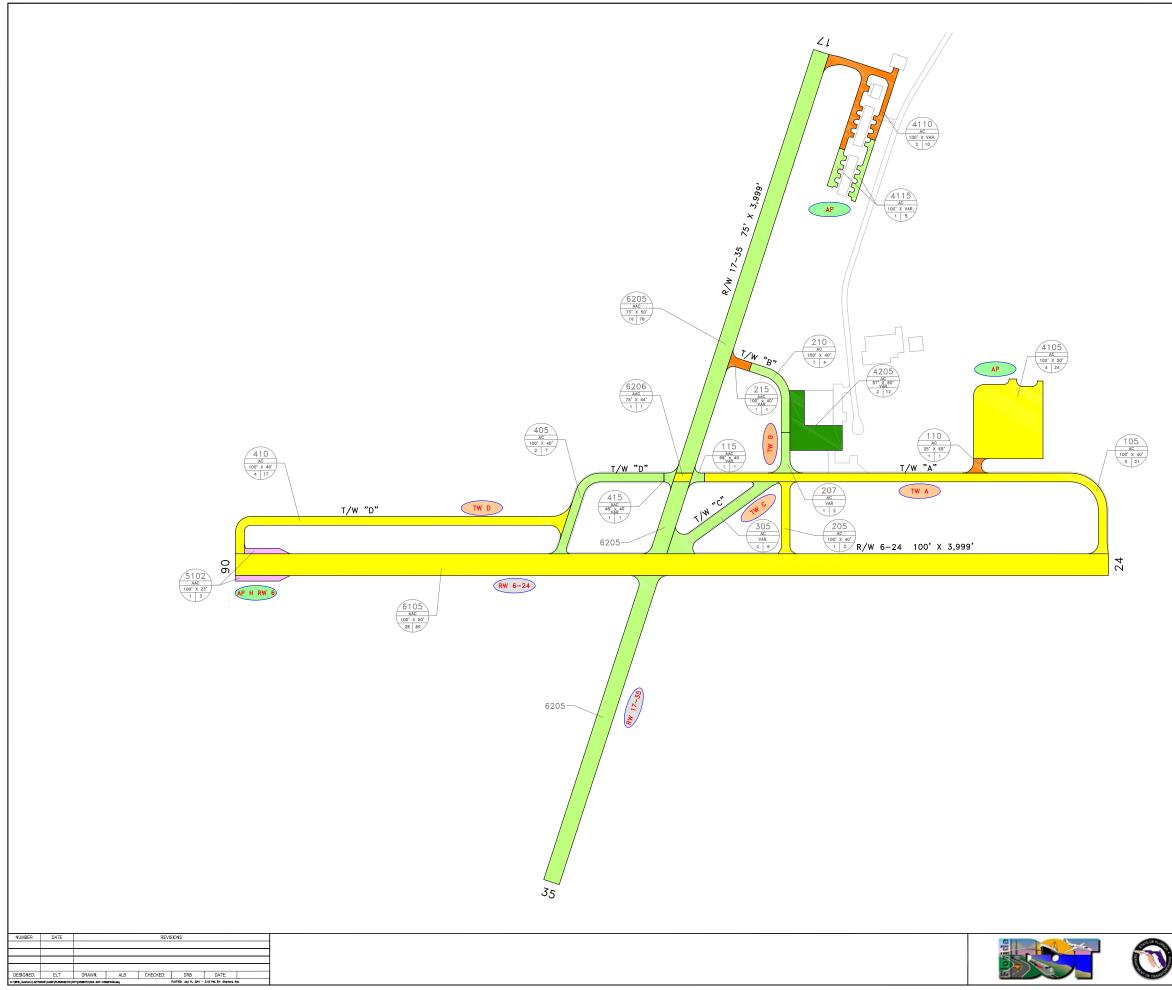
Summary:

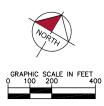
Work Description	Section Count	Area Total (SqFt)	Thickness Avg (in)	Thickness STD (in)
BUILT	16	1,077,100.00	1.25	.00
Initial Construction	3	84,150.00	.00	.00
OVERLAY	9	825,310.00	1.25	
Overlay - AC Thin	3	56,740.00	2.00	.00

STD = Standard Deviation

APPENDIX B

2011 CONDITION MAP PAVEMENT CONDITION INDEX TABLE





LEGEND

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

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





Branch Name	Branch ID	Branch Use	Section ID	True Area (ft ²)	Section Rank	Surface Type	Total Samples Inspected	Total Samples	PCI	PCI Category
Apron	AP	APRON	4105	108,410	Р	AC	4	24	69	Fair
Apron	AP	APRON	4110	31,760	Т	AC	2	10	53	Poor
Apron	AP	APRON	4115	14,420	Т	AC	1	5	84	Satisfactory
Apron	AP	APRON	4205	37,970	Т	AC	2	12	97	Good
Hold Apron for RW 6	AP H RW 6	APRON	5102	10,300	Р	AAC	1	3	29	Very Poor
Runway 17-35	RW 17-35	RUNWAY	6205	290,140	S	AAC	16	78	71	Satisfactory
Runway 17-35	RW 17-35	RUNWAY	6206	3,140	S	AAC	1	1	69	Fair
Runway 6-24	RW 6-24	RUNWAY	6105	400,000	Р	AAC	28	80	59	Fair
Taxiway Alpha	TW A	TAXIWAY	105	85,100	Р	AC	5	21	66	Fair
Taxiway Alpha	TW A	TAXIWAY	110	3,310	Р	AC	1	1	45	Poor
Taxiway Alpha	TW A	TAXIWAY	115	2,880	Р	AAC	1	1	72	Satisfactory
Taxiway Bravo	TW B	TAXIWAY	205	14,040	Р	AC	1	3	66	Fair
Taxiway Bravo	TW B	TAXIWAY	207	8,950	Р	AC	1	2	71	Satisfactory
Taxiway Bravo	TW B	TAXIWAY	210	15,740	Р	AC	1	4	76	Satisfactory
Taxiway Bravo	TW B	TAXIWAY	215	4,530	Р	AAC	1	1	46	Poor
Taxiway Charlie	TW C	TAXIWAY	305	32,050	Р	AC	2	6	75	Satisfactory
Taxiway Delta	TW D	TAXIWAY	405	28,870	Р	AC	2	7	74	Satisfactory
Taxiway Delta	TW D	TAXIWAY	410	67,040	Р	AC	4	17	61	Fair
Taxiway Delta	TW D	TAXIWAY	415	2,600	Р	AAC	1	1	71	Satisfactory

Table B-1: Pavement Condition Index

Note: If a 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

Date: 3 /17/2011		Bra Paven	1 c	1 of 2				
Branch ID	Number of Sections	Sum Section Length (Ft)	Avg Section Width (Ft)	True Area (SqFt)	Use	Average PCI	PCI Standard Deviation	Weighted Average PCI
AP (APRON)	4	2,050.00	134.50	192,560.00	APRON	75.75	16.45	73.01
AP H RW 6 (HOLD APRON FOR RW 6)	1	412.00	25.00	10,300.00	APRON	29.00	0.00	29.00
RW 17-35 (RUNWAY 17-35)	2	3,932.00	58.50	293,280.00	RUNWAY	70.00	1.00	70.98
RW 6-24 (RUNWAY 6-24)	1	4,000.00	100.00	400,000.00	RUNWAY	59.00	0.00	59.00
TW A (TAXIWAY A)	3	2,231.00	38.33	91,290.00	TAXIWAY	61.00	11.58	65.43
TW B (TAXIWAY B)	4	1,015.00	40.00	43,260.00	TAXIWAY	64.75	11.39	68.58
TW C (TAXIWAY C)	1	550.00	50.00	32,050.00	TAXIWAY	75.00	0.00	75.00
TW D (TAXIWAY D)	3	2,398.00	40.00	98,510.00	TAXIWAY	68.67	5.56	65.07

Date: 3 / 17/2011

Branch Condition Report

Pavement Database:

Use Category	Number of Sections	Total Area (SqFt)	Arithmetic Average PCI	Average PCI STD.	Weighted Average PCI
APRON	5	202,860.00	66.40	23.80	70.77
RUNWAY	3	693,280.00	66.33	5.25	64.07
TAXIWAY	11	265,110.00	65.73	10.43	66.97
All	19	1,161,250.00	66.00	14.71	65.90
2		1,101,20000	0000	110/1	00000

STD = Standard Deviation

2 of 2

Date: 3 /17/2011		n Ro KID: X0	eport		1 of 2					
Branch ID	Section ID	Last Const. Date	Surface	Use	Rank	Lanes	True Area (SqFt)	Last Inspection Date	Age At Inspection	PCI
AP (APRON)	4105	01/01/1988	AC	APRON	Ρ	0	108,410.00	02/21/2011	23	69.00
AP (APRON)	4110	01/01/2000	AC	APRON	т	0	31,760.00	02/21/2011	11	53.00
AP (APRON)	4115	07/31/2008	AC	APRON	Т	0	14,420.00	02/21/2011	3	84.00
AP (APRON)	4205	07/31/2008	AC	APRON	т	0	37,970.00	02/21/2011	3	97.00
AP H RW 6 (HOLD APRON FOR RW 6)	5102	01/01/1978	AAC	APRON	Ρ	0	10,300.00	02/21/2011	33	29.00
RW 17-35 (RUNWAY 17-35)	6205	01/01/1997	AAC	RUNWAY	S	0	290,140.00	02/21/2011	14	71.00
RW 17-35 (RUNWAY 17-35)	6206	01/01/1997	AAC	RUNWAY	S	0	3,140.00	02/21/2011	14	69.00
RW 6-24 (RUNWAY 6-24)	6105	01/01/1978	AAC	RUNWAY	Ρ	0	400,000.00	02/21/2011	33	59.00
TW A (TAXIWAY A)	105	01/01/1978	AC	TAXIWAY	Р	0	85,100.00	02/21/2011	33	66.00
TW A (TAXIWAY A)	110	01/01/1988	AC	TAXIWAY	Р	0	3,310.00	02/21/2011	23	45.00
TW A (TAXIWAY A)	115	01/01/1997	AAC	TAXIWAY	Р	0	2,880.00	02/21/2011	14	72.00
TW B (TAXIWAY B)	205	01/01/1978	AC	TAXIWAY	Р	0	14,040.00	02/21/2011	33	66.00
TW B (TAXIWAY B)	207	01/01/2004	AC	TAXIWAY	Р	0	8,950.00	02/21/2011	7	71.00
TW B (TAXIWAY B)	210	01/01/2004	AC	TAXIWAY	Р	0	15,740.00	02/21/2011	7	76.00
TW B (TAXIWAY B)	215	01/01/1997	AAC	TAXIWAY	Р	0	4,530.00	02/21/2011	14	46.00
TW C (TAXIWAY C)	305	01/01/2004	AC	TAXIWAY	Р	0	32,050.00	02/21/2011	7	75.00
TW D (TAXIWAY D)	405	01/01/1978	AC	TAXIWAY	Р	0	28,870.00	02/21/2011	33	74.00
TW D (TAXIWAY D)	410	01/01/1978	AC	TAXIWAY	Р	0	67,040.00	02/21/2011	33	61.00
TW D (TAXIWAY D)	415	01/01/1997	AAC	TAXIWAY	Р	0	2,600.00	02/21/2011	14	71.00

Date: 3 / 17/2011

Section Condition Report

2 of 2

Pavement Database:

Age Category	Average Age At Inspection	Total Area (SqFt)	Number of Sections	Arithmetic Average PCI	PCI Standard Deviation	Weighted Average PCI
03-05	3.00	52,390.00	2	90.50	6.50	93.42
06-10	7.00	56,740.00	3	74.00	2.16	74.65
11-15	13.50	335,050.00	6	63.67	10.26	68.95
21-25	23.00	111,720.00	2	57.00	12.00	68.29
31-35	33.00	605,350.00	6	59.17	14.30	60.57
All	18.53	1,161,250.00	19	66.00	14.71	65.90

APPENDIX D

PAVEMENT CONDITION PREDICTION TABLE PREDICTED PCI BY PAVEMENT USE GRAPH

		Section	Current		PCI Forecast								
Branch Name	Branch ID	ID	PCI	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Apron	AP	4105	69	68	67	66	64	63	61	60	58	57	55
Apron	AP	4110	53	52	51	50	48	47	45	44	42	41	39
Apron	AP	4115	84	83	80	77	74	71	68	65	62	59	56
Apron	AP	4205	97	96	93	90	87	84	81	78	75	72	69
Hold Apron RW 6	AP H RW 6	5102	29	29	28	27	27	26	26	25	24	24	24
Runway 17-35	RW 17-35	6205	71	70	68	66	64	62	61	59	57	55	53
Runway 17-35	RW 17-35	6206	69	68	66	64	62	60	59	57	55	53	51
Runway 6-24	RW 6-24	6105	59	58	56	54	52	50	49	47	45	43	41
Taxiway Alpha	TW A	105	66	65	64	62	60	59	57	55	53	52	50
Taxiway Alpha	TW A	110	45	44	43	41	39	38	36	34	32	31	29
Taxiway Alpha	TW A	115	72	71	70	68	66	64	63	61	59	57	56
Taxiway Bravo	TW B	205	66	65	64	62	60	59	57	55	53	52	50
Taxiway Bravo	TW B	207	71	70	69	67	65	64	62	60	58	57	55
Taxiway Bravo	TW B	210	76	75	74	72	70	69	67	65	63	62	60
Taxiway Bravo	TW B	215	46	45	44	42	40	38	37	35	33	31	30
Taxiway Charlie	TW C	305	75	74	73	71	69	68	66	64	62	61	59
Taxiway Delta	TW D	405	74	73	72	70	68	67	65	63	61	60	58
Taxiway Delta	TW D	410	61	60	59	57	55	54	52	50	48	47	45
Taxiway Delta	TW D	415	71	70	69	67	65	63	62	60	58	56	55

Table D-1: Pavement Condition Prediction

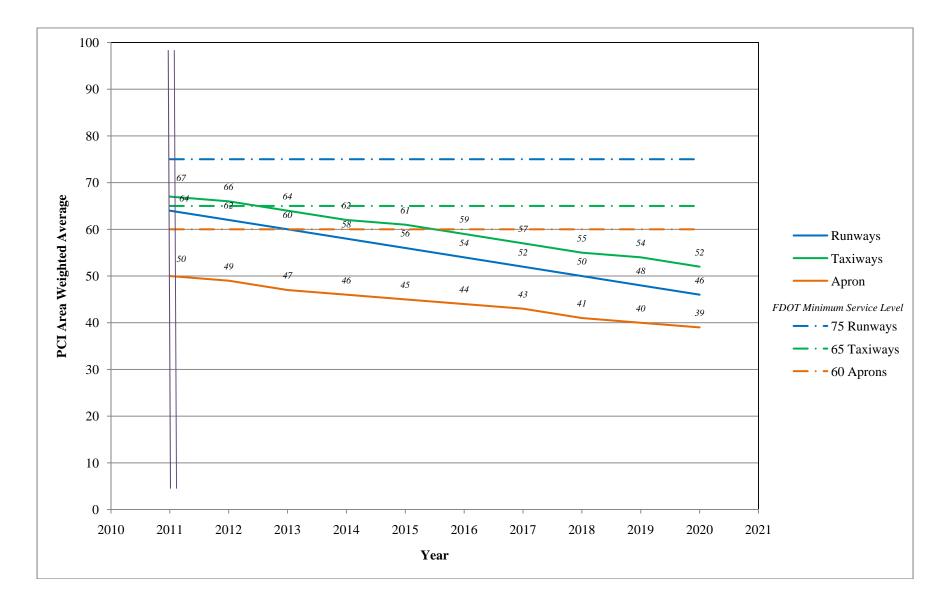


Figure D-1: Predicted PCI by Pavement Use

APPENDIX E

YEAR 1 MAINTENANCE ACTIVITIES TABLE

Table E-1: Year 1 Maintenance Activities

Branch Name	Branch ID	Section ID	Distress Description	Distress Severity	Work Description	Work Quantity	Work Unit	Unit Cost	Work Cost
Runway 17-35	RW 17-35	6206	WEATH/RAVEL	L	Surface Seal - Rejuvenating	3,000.00	SqFt	\$0.40	\$1,200.01
Runway 17-35	RW 17-35	6205	WEATH/RAVEL	L	Surface Seal - Rejuvenating	220,022.50	SqFt	\$0.40	\$88,009.73
Apron	AP	4205	WEATH/RAVEL	L	Surface Seal - Rejuvenating	626.60	SqFt	\$0.40	\$250.63
Apron	AP	4115	WEATH/RAVEL	L	Surface Seal - Rejuvenating	4,253.70	SqFt	\$0.40	\$1,701.49
Apron	AP	4105	WEATH/RAVEL	М	Surface Seal - Coat Tar	16,261.50	SqFt	\$0.40	\$6,504.67
Apron	AP	4105	WEATH/RAVEL	L	Surface Seal - Rejuvenating	70,466.40	SqFt	\$0.40	\$28,186.80
Taxiway Delta	TW D	415	WEATH/RAVEL	L	Surface Seal - Rejuvenating	2,080.00	SqFt	\$0.40	\$832.01
Taxiway Delta	TW D	405	WEATH/RAVEL	L	Surface Seal - Rejuvenating	21,411.60	SqFt	\$0.40	\$8,564.70
Taxiway Charlie	TW C	305	WEATH/RAVEL	L	Surface Seal - Rejuvenating	21,930.60	SqFt	\$0.40	\$8,772.30
Taxiway Charlie	TW C	305	WEATH/RAVEL	М	Surface Seal - Coat Tar	1,566.50	SqFt	\$0.40	\$626.59
Taxiway Bravo	TW B	210	WEATH/RAVEL	L	Surface Seal - Rejuvenating	12,600.40	SqFt	\$0.40	\$5,040.20
Taxiway Bravo	TW B	207	WEATH/RAVEL	L	Surface Seal - Rejuvenating	7,160.00	SqFt	\$0.40	\$2,864.03
Taxiway Bravo	TW B	205	WEATH/RAVEL	L	Surface Seal - Rejuvenating	10,530.00	SqFt	\$0.40	\$4,212.03
Taxiway Bravo	TW B	205	WEATH/RAVEL	М	Surface Seal - Coat Tar	982.80	SqFt	\$0.40	\$393.12
Taxiway Alpha	TW A	115	WEATH/RAVEL	L	Surface Seal - Rejuvenating	2,000.00	SqFt	\$0.40	\$800.01
Taxiway Alpha	TW A	105	WEATH/RAVEL	L	Surface Seal - Rejuvenating	63,745.30	SqFt	\$0.40	\$25,498.33
Taxiway Alpha	TW A	105	WEATH/RAVEL	М	Surface Seal - Coat Tar	2,452.00	SqFt	\$0.40	\$980.83
								Total =	\$184,437.48

APPENDIX F

MAJOR M&R PLAN BY YEAR UNDER UNLIMITED FUNDING SCENARIO TABLE

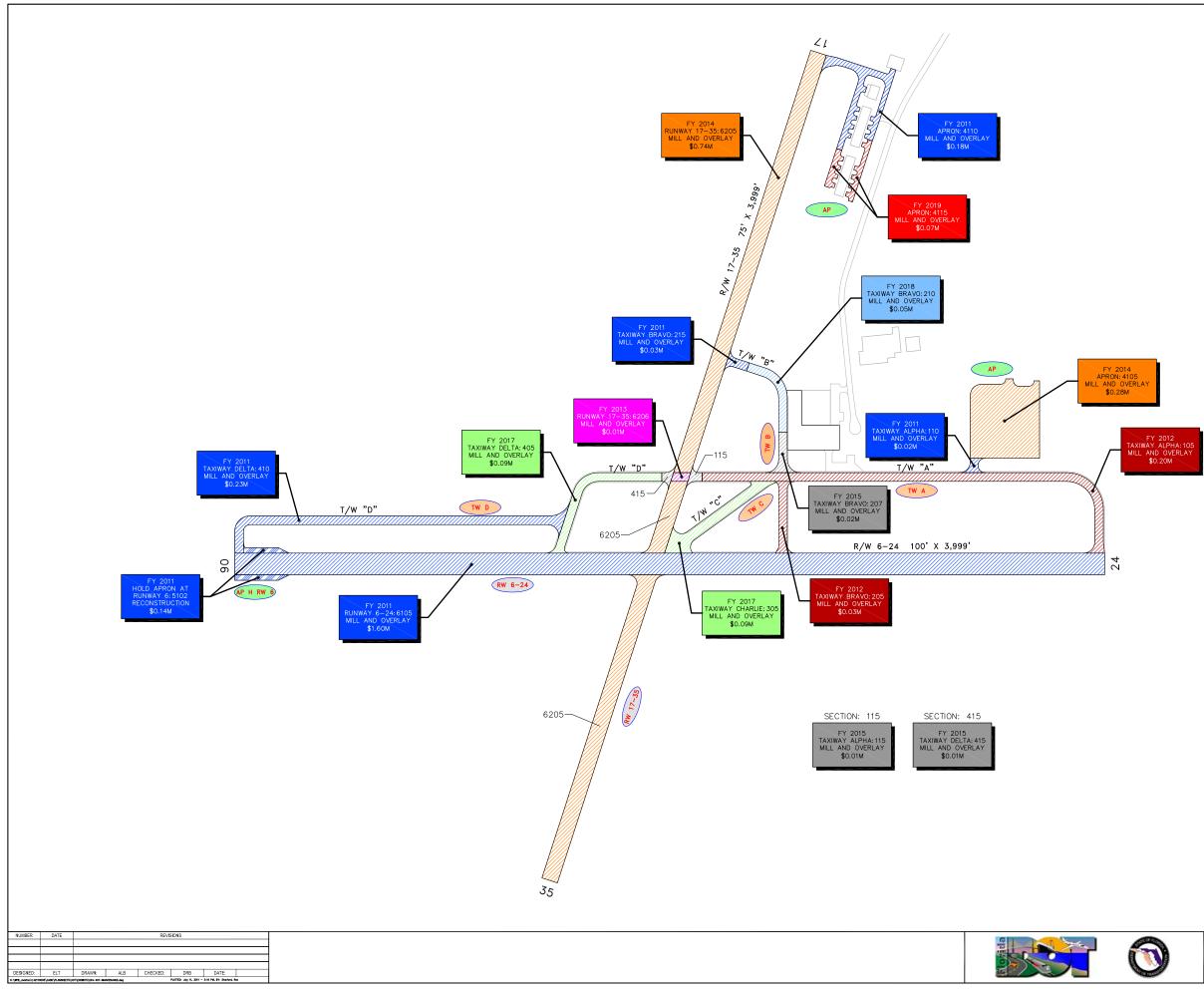
Table F-1: Major M&R Plan by Year under Unlimited Funding Scenario

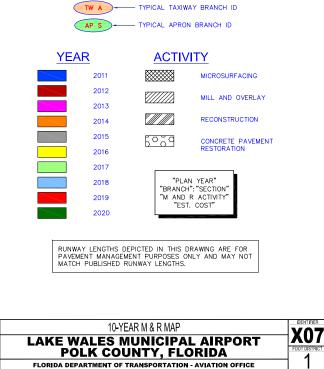
Year	Branch Name	Section ID	Surface Type	Section Area (ft ²)	Major M&R Costs*	PCI Before M&R	M&R Activity	PCI After M&R
2011	Apron	4110	AC	31,760	\$181,540.18	52	Mill and Overlay	100
2011	Hold Apron at RW 6	5102	AAC	10,300	\$140,286.05	29	Reconstruction	100
2011	Runway 6-24	6105	AAC	400,000	\$1,597,600.86	58	Mill and Overlay	100
2011	Taxiway Alpha	110	AC	3,310	\$20,819.90	44	Mill and Overlay	100
2011	Taxiway Bravo	215	AAC	4,530	\$28,493.70	45	Mill and Overlay	100
2011	Taxiway Delta	410	AC	67,040	\$229,276.96	60	Mill and Overlay	100
2012	Taxiway Alpha	105	AC	85,100	\$204,056.31	64	Mill and Overlay	100
2012	Taxiway Bravo	205	AC	14,040	\$33,665.69	64	Mill and Overlay	100
2013	Runway 17-35	6206	AAC	3,140	\$7,755.10	64	Mill and Overlay	100
2014	Apron	4105	AC	108,410	\$275,780.95	64	Mill and Overlay	100
2014	Runway 17-35	6205	AAC	290,140	\$738,078.46	64	Mill and Overlay	100
2015	Taxiway Alpha	115	AAC	2,880	\$7,546.14	64	Mill and Overlay	100
2015	Taxiway Bravo	207	AC	8,950	\$23,450.67	64	Mill and Overlay	100
2015	Taxiway Delta	415	AAC	2,600	\$7,611.37	63	Mill and Overlay	100
2017	Taxiway Charlie	305	AC	32,050	\$89,091.16	64	Mill and Overlay	100
2017	Taxiway Delta	405	AC	28,870	\$89,662.48	63	Mill and Overlay	100
2018	Taxiway Bravo	210	AC	15,740	\$50,350.75	63	Mill and Overlay	100
2019	Apron	4115	AC	14,420	\$67,715.16	59	Mill and Overlay	100
				Total	\$3,792,781.89	58		100

* Costs are adjusted for inflation.

APPENDIX G

10-YEAR M&R MAP

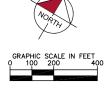




FLORIDA DEPARTMENT OF TRANSPORTATION - AVIATION OFFICE

LEGEND

TYPICAL RUNWAY BRANCH ID



APPENDIX H

PHOTOGRAPHS



Apron, Section 4205, Sample Unit 602 - No distresses observed



Apron, Section 110, Sample Unit 100 – Low severity (48) Longitudinal and Transverse Cracking, medium severity (52) Weathering and Raveling



Runway 6-24, Section 6105, Sample Unit 103 – Low and medium severity (43) Block Cracking, low and medium severity (48) Longitudinal and Transverse Cracking, low severity (52) Weathering and Raveling



Runway 6-24, Section 6105, Sample Unit 103 – Low and medium severity (43) Block Cracking, low and medium severity (48) Longitudinal and Transverse Cracking, low severity (52) Weathering and Raveling



Runway 6-24, Section 6105, Sample Unit 107 – Low severity (43) Block Cracking, low severity (48) Longitudinal and Transverse Cracking, low severity (52) Weathering and Raveling



Runway 6-24, Section 6105, Sample Unit 107 – Low severity (43) Block Cracking, low severity (48) Longitudinal and Transverse Cracking, low severity (52) Weathering and Raveling



Runway 6-24 Shoulder, Section 5102, Sample Unit 181 – Medium severity (43) Block Cracking, medium severity (52) Weathering and Raveling



Runway 17-35, Section 6205, Sample Unit 166 – Low severity (48) Longitudinal and Transverse Cracking, low severity (52) Weathering and Raveling



Taxiway Delta, Section 410, Sample Unit 100 – Low severity (43) Block Cracking, low severity (48) Longitudinal and Transverse Cracking, low severity (50) Patch, low severity (52) Weathering and Raveling



Taxiway Delta, Section 410, Sample Unit 100 – Low severity (43) Block Cracking, low severity (48) Longitudinal and Transverse Cracking, low severity (50) Patch, low severity (52) Weathering and Raveling

Pavement Evaluation Report –Lake Wales Municipal Airport Florida Statewide Pavement Management Program May 2011



Hangars, Section 4110, Sample Unit 307 - Low and medium severity (52) Weathering and Raveling



Hangars, Section 4110, Sample Unit 307 - Low and medium severity (52) Weathering and Raveling

APPENDIX I

PCI RE-INSPECTION REPORT

Network: X07	Name: LAKE WALES MUNICI	PAL AIRPOR	Т			
Branch: AP	Name: APRON			Use: APRON	Area:	192,560.00SqFt
Section: 4105 Surface: AC Area: 108,410.00SqFt Shoulder: Street 7 Section Comments:	of 4 From: - Family: FDOT-GA-AP-AC Length: 340.00Ft Sype: Grade: 0.00	Lanes:	Zone: Width: 0	To: - Category: 320.00Ft	Rank: P	Last Const.: 1/1/1988
Last Insp. Date2/21/2011 Conditions: PCI:69.00 Inspection Comments: KHA	Total Samples: 24 Su	irveyed: 4				
Sample Number: 105 Sample Comments:	Туре: к	Area:	,	00SqFt		
52 WEATHERING/RA	VELING		L 4,	000.00 SqFt	Comment	s:
Sample Number: 200 Sample Comments:	Туре: к	Area:	5,000.	00SqFt		
52 WEATHERING/RA	VELING			000.00 SqFt		s:
52 WEATHERING/RA	VELING		L 3,	000.00 SqFt	Comment	s:
Sample Number: 201 Sample Comments:	Туре: к	Area:	5,000.	00SqFt		
52 WEATHERING/RA	VELING		м 1,	000.00 SqFt	Comment	s:
52 WEATHERING/RA	VELING		L 3,	000.00 SqFt	Comment	s:
Sample Number: 303 Sample Comments:	Type: R	Area:	5,000.	00SqFt		
52 WEATHERING/RA	VELING			000.00 SqFt		s:
52 WEATHERING/RA	VELING		м 1,	000.00 SqFt	Comment	s:

Network: X07	Name: LAKE WALES MU				
Branch: AP	Name: APRON		Use: APRON	Area:	192,560.00SqFt
Section: 4110 Surface: AC Area: 31,760.00SqFt Shoulder: Street T Section Comments:	of 4 From: Family: FDOT-GA-AP-4 Length: 990. Type: Grade: 0.00		To: Category: 1: 32.00Ft	Rank: T	Last Const.: 1/1/2000
Last Insp. Date2/21/2011 Conditions: PCI:53.00 nspection Comments: KHA	Total Samples: 10	Surveyed: 2			
Conditions: PCI:53.00 nspection Comments: KHA Sample Number: 301	Total Samples: 10 Type: R		000.00SqFt		
Conditions: PCI:53.00			000.00SqFt 450.00 SqFt	Comment	s:
Conditions: PCI:53.00 nspection Comments: KHA Sample Number: 301 Sample Comments: 50 PATCHING	Type: R	Area: 3,0	1	Comment Comment	
Conditions: PCI:53.00 nspection Comments: KHA Sample Number: 301 Sample Comments: 50 PATCHING	Type: R VELING	Area: 3,0 L	450.00 SqFt		s:
Conditions: PCI:53.00 nspection Comments: KHA Sample Number: 301 Sample Comments: 50 PATCHING 52 WEATHERING/RA 52 WEATHERING/RA Sample Number: 307	Type: R VELING	Area: 3,0 L L L	450.00 SqFt 420.00 SqFt	Comment	s:
Conditions: PCI:53.00 nspection Comments: KHA Sample Number: 301 Sample Comments: 50 PATCHING 52 WEATHERING/RA	Type: R VELING VELING Type: R	Area: 3,0 L L L	450.00 SqFt 420.00 SqFt 2,000.00 SqFt	Comment	s: s:

Network: X07	Name: LAKE WALES MUNICIP.	AL AIRPORT			
Branch: AP	Name: APRON		Use: APRON	Area:	192,560.00SqFt
Section: 4115 Surface: AC Area: 14,420.00SqFt Shoulder: Street Section Comments:	of 4 From: - Family: DEFAULT Length: 480.00Ft Type: Grade: 0.00	Zone: Width: Lanes: 0	To: - Category: 32.00Ft	Rank: T	Last Const.: 7/31/2008
Last Insp. Datc2/21/201 Conditions: PCI:84.00 Inspection Comments: KHA	1 Total Samples: 5 Sur	veyed: 1			
Sample Number: 400 Sample Comments: 52 WEATHERING/R	Type: R AVELING	Area: 3,390.0	00SqFt 000.00 SqFt	Comments	5:

Network: X07	Name: LAKE WALES MUNICIPA	L AIRPORT				
Branch: AP	Name: APRON		Use: A	APRON	Area: 1	92,560.00SqFt
Section: 4205 Surface: AC Area: 37,970.00SqFt Shoulder: Street Ty Section Comments:	of 4 From: - Family: DEFAULT Length: 240.00Ft ype: Grade: 0.00		To: one: Cat Vidth: 154.	egory:	Rank: T	Last Const.: 7/31/2008
Last Insp. Datc2/21/2011 Conditions: PCI:97.00 Inspection Comments: KHA	Total Samples: 12 Surv	reyed: 2				
Sample Number: 300 Sample Comments: 52 WEATHERING/RAV	Type: R VELING	Area:	2,640.00SqFt 100.00) SqFt	Comments	:
Sample Number: 602 Sample Comments: <no distresses=""></no>	Туре: к	Area:	3,420.00SqFt			

Branch: AP H RW 6	Name: HOLD APRON FOR	RRW 6	Use: APRON	Area:	10,300.00SqFt
Section: 5102 Surface: AAC Area: 10,300.00SqFt Shoulder: Street T	of 1 From: - Family: FDOT-GA-AP-A Length: 412.0 Vpe: Grade: 0.00		To: - Category: n: 25.00Ft	Rank: P	Last Const.: 1/1/1978
Section Comments: Last Insp. Date2/21/2011 Conditions: PCI:29.00 Inspection Comments: KHA	Total Samples: 3	Surveyed: 1			
Section Comments: Last Insp. Datc2/21/2011 Conditions: PCI:29.00 Inspection Comments: KHA Sample Number: 181		Surveyed: 1	500.00SqFt		
Section Comments: Last Insp. Datc2/21/2011 Conditions: PCI:29.00 Inspection Comments: KHA	Total Samples: 3 Type: R	Surveyed: 1	500.00SqFt 2,200.00 SqFt	Comments	

Network: X07 Name: LAKE WALES MUNICIP	AL AIRPORT			
Branch: RW 17-35 Name: RUNWAY 17-35		Use: RUNWAY	Area: 293	3,280.00SqFt
Section: 6205 of 2 From: - Surface: AAC Family: FDOT-GA-RW-AAC Area: 290,140.00SqFt Length: 3,853.00Ft Shoulder: Street Type: Grade: 0.00 Section Comments:	Zone: Width Lanes: 0	To: - Category: : 75.00Ft	Rank: s	Last Const.: 1/1/1997
Last Insp. Date2/21/2011 Total Samples: 78 Sur Conditions: PCI:71.00 nspection Comments: KHA	veyed: 16			
Sample Number: 103 Type: R	Area: 3,7	750.00SqFt		
Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 52 WEATHERING/RAVELING	L L	146.00 Ft 3,000.00 SqFt	Comments: Comments:	
Sample Number: 107 Type: R Sample Comments:	Area: 3,7	750.00SqFt		
52 WEATHERING/RAVELING 48 LONGITUDINAL/TRANSVERSE CRACKING	L L	3,000.00 SqFt 156.00 Ft	Comments: Comments:	
Sample Number: 110 Type: R Sample Comments:	Area: 3,7	750.00SqFt		
48 LONGITUDINAL/TRANSVERSE CRACKING 52 WEATHERING/RAVELING	L L	149.00 Ft 3,000.00 SqFt	Comments: Comments:	
Sample Number: 114 Type: R Sample Comments:	Area: 3,7	750.00SqFt		
48 LONGITUDINAL/TRANSVERSE CRACKING 52 WEATHERING/RAVELING	L L	99.00 Ft 3,000.00 SqFt	Comments: Comments:	
Sample Number: 117 Type: R Sample Comments:	Area: 3,7	750.00SqFt		
48 LONGITUDINAL/TRANSVERSE CRACKING 52 WEATHERING/RAVELING	L L	100.00 Ft 3,000.00 SqFt	Comments: Comments:	
Sample Number: 121 Type: R Sample Comments:	Area: 3,7	750.00SqFt		
48 LONGITUDINAL/TRANSVERSE CRACKING 52 WEATHERING/RAVELING	L L	208.00 Ft 2,000.00 SqFt	Comments: Comments:	
Sample Number: 125 Type: R Sample Comments:	Area: 3,7	750.00SqFt		
52 WEATHERING/RAVELING	L	1,500.00 SqFt	Comments:	
Sample Number: 134 Type: R Sample Comments:	Area: 3,7	750.00SqFt		
50 PATCHING 48 LONGITUDINAL/TRANSVERSE CRACKING 52 WEATHERING/RAVELING	L L L	12.00 SqFt 54.00 Ft 3,000.00 SqFt	Comments: Comments: Comments:	
Sample Number: 142 Type: R Sample Comments:	Area: 3,7	750.00SqFt		
48 LONGITUDINAL/TRANSVERSE CRACKING 52 WEATHERING/RAVELING	L L	150.00 Ft 3,000.00 SqFt	Comments: Comments:	

Sample Number: 148 Type: R Sample Comments:	Area:		3,750.00SqFt		
48 LONGITUDINAL/TRANSVERSE CRACKING		L	250.00	Ft	Comments:
52 WEATHERING/RAVELING		L	3,000.00	SqFt	Comments:
Sample Number: 156 Type: R Sample Comments:	Area:		3,750.00SqFt		
52 WEATHERING/RAVELING		L	3,000.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING		L	200.00	Ft	Comments:
Sample Number: 162 Type: R Sample Comments:	Area:		3,750.00SqFt		
52 WEATHERING/RAVELING		L	3,000.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING		L	160.00		Comments:
Sample Number: 166 Type: R Sample Comments:	Area:		3,750.00SqFt		
48 LONGITUDINAL/TRANSVERSE CRACKING		L	122.00	Ft	Comments:
52 WEATHERING/RAVELING		L	3,000.00	SqFt	Comments:
Sample Number: 170 Type: R Sample Comments:	Area:		3,750.00SqFt		
48 LONGITUDINAL/TRANSVERSE CRACKING		L	65.00	Ft	Comments:
52 WEATHERING/RAVELING		L	3,000.00	SqFt	Comments:
Sample Number: 174 Type: R Sample Comments:	Area:		3,750.00SqFt		
52 WEATHERING/RAVELING		L	3,000.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING		L	155.00	-	Comments:
Sample Number: 179 Type: R Sample Comments:	Area:		3,750.00SqFt		
48 LONGITUDINAL/TRANSVERSE CRACKING		L	110.00	Ft	Comments:
52 WEATHERING/RAVELING		L	3,000.00	SqFt	Comments:

Name: RUNWAY 17-35			Use: RUNWAY	Area:	293,280.00SqFt
Family: FDOT-GA-RW-AAC Length: 79.00Ft	v	Width:	To: - Category: 42.00Ft	Rank: s	Last Const.: 1/1/1997
Total Samples: 1 Sur	veyed: 1				
		í	59.00 Ft	Comment	
	Family: FDOT-GA-RW-AAC Length: 79.00Ft ype: Grade: 0.00 Total Samples: 1 Sur	Family: FDOT-GA-RW-AAC Z Length: 79.00Ft Y ype: Grade: 0.00 Lanes: 0 Total Samples: 1 Surveyed: 1 Type: R Area: Y YPANSVERSE CRACKING L	Family: FDOT-GA-RW-AAC Zone: Length: 79.00Ft Width: ype: Grade: 0.00 Lanes: 0 Total Samples: 1 Surveyed: 1 Type: R Area: 3,140.00 PRANSVERSE CRACKING L	Family: FDOT-GA-RW-AAC Zone: Category: Length: 79.00Ft Width: 42.00Ft ype: Grade: 0.00 Lanes: 0 Total Samples: 1 Surveyed: 1 Type: R Area: 3,140.00SqFt YRANSVERSE CRACKING L 59.00 Ft	Family: FDOT-GA-RW-AAC Zone: Category: Rank: S Length: 79.00Ft Width: 42.00Ft ype: Grade: 0.00 Lanes: 0 Total Samples: 1 Surveyed: 1 Type: R Area: 3,140.00SqFt CRANSVERSE CRACKING L 59.00 Ft Comment.

	AL AIRPORT				
Branch: RW 6-24 Name: RUNWAY 6-24		Use: R	UNWAY	Area: 40	00,000.00SqFt
Section: 6105 of 1 From: - Surface: AAC Family: FDOT-GA-RW-AAC Area: 400,000.00SqFt Length: 4,000.00Ft Shoulder: Street Type: Grade: 0.00 Section Comments:		Width: 100.0	gory:	Rank: P	Last Const.: 1/1/197
Last Insp. Date2/21/2011 Total Samples: 80 Sur Conditions: PCI:59.00 Inspection Comments: KHA	rveyed: 28				
Sample Number: 103 Type: R	Area:	5,000.00SqFt			
Sample Comments: 43 BLOCK CRACKING	L	1,250.00	SaFt	Comments:	
43 BLOCK CRACKING	L			Comments:	
43 BLOCK CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING	Ш			Comments:	
43 BLOCK CRACKING	L			Comments:	
43 BLOCK CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING			-		
40 LONGIIODINAL/IRANSVERSE CRACKING 43 BLOCK CRACKING	L			Comments:	
52 WEATHERING/RAVELING	M			Comments:	
52 WEATHERING/RAVELING	L	4,000.00	Sqrt	Comments:	
Sample Number: 107 Type: R Sample Comments:	Area:	5,000.00SqFt			
43 BLOCK CRACKING	L	1,500.00	SqFt	Comments:	
48 LONGITUDINAL/TRANSVERSE CRACKING	L			Comments:	
43 BLOCK CRACKING	L			Comments:	
48 LONGITUDINAL/TRANSVERSE CRACKING	L		-	Comments:	
52 WEATHERING/RAVELING	M			Comments:	
43 BLOCK CRACKING	L			Comments:	
52 WEATHERING/RAVELING	L			Comments:	
Sample Number: 112 Type: R	Area:	5,000.00SqFt			
Sample Comments:	-		-	~ .	
48 LONGITUDINAL/TRANSVERSE CRACKING	L			Comments:	
43 BLOCK CRACKING	L			Comments:	
48 LONGITUDINAL/TRANSVERSE CRACKING	L			Comments:	
43 BLOCK CRACKING	L			Comments:	
48 LONGITUDINAL/TRANSVERSE CRACKING	L			Comments:	
43 BLOCK CRACKING	L		-	Comments:	
52 WEATHERING/RAVELING	M			Comments:	
52 WEATHERING/RAVELING	L	2,000.00	SqFt	Comments:	
Sample Number: 116 Type: R Sample Comments:	Area:	5,000.00SqFt			
43 BLOCK CRACKING	М	322.00	SqFt	Comments:	
43 BLOCK CRACKING	L			Comments:	
48 LONGITUDINAL/TRANSVERSE CRACKING	L			Comments:	
52 WEATHERING/RAVELING	L			Comments:	
52 WEATHERING/RAVELING	Μ			Comments:	
Sample Number: 121 Type: R	Area:	5,000.00SqFt			
Sample Comments: 43 BLOCK CRACKING	L	2,200.00	SaF+	Comments:	
43 BLOCK CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING				Comments:	
52 WEATHERING/RAVELING	L				
	M	UUUU_UU	SYLL	Comments:	
52 WEATHERING/RAVELING	L			Comments:	

Counts Number 100 Tree		A		5 000 000 F			
Sample Number: 122 Type Sample Comments:	e: K	Area:		5,000.00SqFt			
43 BLOCK CRACKING			L	660.00	SqFt	Comments:	
48 LONGITUDINAL/TRANSVER	SE CRACKING		L	39.00	Ft	Comments:	
43 BLOCK CRACKING			L	448.00		Comments:	
43 BLOCK CRACKING			L	650.00		Comments:	
52 WEATHERING/RAVELING			L	2,000.00	SqFt	Comments:	
48 LONGITUDINAL/TRANSVER	SE CRACKING		L	173.00	Ft	Comments:	
Sample Number: 123 Type Sample Comments:	2: R	Area:		5,000.00SqFt			
43 BLOCK CRACKING			L	600.00	SaFt	Comments:	
48 LONGITUDINAL/TRANSVER	SE CRACKING		L	60.00		Comments:	
43 BLOCK CRACKING			L	1,330.00		Comments:	
48 LONGITUDINAL/TRANSVER	SE CRACKING		L	50.00		Comments:	
43 BLOCK CRACKING			L	425.00	SqFt	Comments:	
52 WEATHERING/RAVELING			L	2,000.00	SqFt	Comments:	
Sample Number: 128 Type	2: R	Area:		5,000.00SqFt			
Sample Comments: 43 BLOCK CRACKING			L	525.00	S~T+	Comments:	
48 LONGITUDINAL/TRANSVER	OF ODJOKINO		L	30.00	-	Comments:	
43 BLOCK CRACKING	SE CRACKING		L	1,520.00		Comments:	
43 BLOCK CRACKING			L	725.00		Comments:	
52 WEATHERING/RAVELING			L	2,000.00		Comments:	
			ш	2,000.00	byru	conmentes.	
Sample Number: 130 Type	2: R	Area:		5,000.00SqFt			
Sample Comments: 43 BLOCK CRACKING			L	1,000.00	Sart	Comments:	
43 BLOCK CRACKING 43 BLOCK CRACKING			L	1,000.00		Comments:	
52 WEATHERING/RAVELING			L	2,000.00		Comments:	
43 BLOCK CRACKING			L	630.00		Comments:	
48 LONGITUDINAL/TRANSVER	SE CRACKING		L	55.00		Comments:	
Sample Number: 133 Type	х. р	Area:		5,000.00SqFt			
Sample Comments:	2. K	n u.		5,000.005411			
43 BLOCK CRACKING			L	1,170.00	SaFt	Comments:	
48 LONGITUDINAL/TRANSVER	SE CRACKING		L	66.00		Comments:	
43 BLOCK CRACKING			L	570.00		Comments:	
43 BLOCK CRACKING			L	300.00	-	Comments:	
48 LONGITUDINAL/TRANSVER	SE CRACKING		L	25.00	-	Comments:	
43 BLOCK CRACKING			L	1,200.00		Comments:	
52 WEATHERING/RAVELING			L	2,000.00		Comments:	
Sample Number: 135 Type Sample Comments:	2: R	Area:		5,000.00SqFt			
43 BLOCK CRACKING			L	1,600.00	SqFt	Comments:	
48 LONGITUDINAL/TRANSVER	SE CRACKING		L	75.00		Comments:	
48 LONGITUDINAL/TRANSVER			М	62.00	Ft	Comments:	
43 BLOCK CRACKING			L	1,200.00		Comments:	
52 WEATHERING/RAVELING			L	2,000.00	SqFt	Comments:	
Sample Number: 138 Type Sample Comments:	2: R	Area:		5,000.00SqFt			
43 BLOCK CRACKING			L	200.00	SqFt	Comments:	
48 LONGITUDINAL/TRANSVER	SE CRACKING		L	73.00		Comments:	
43 BLOCK CRACKING			L	150.00	SqFt	Comments:	
52 WEATHERING/RAVELING			L	1,500.00		Comments:	
43 BLOCK CRACKING			L	1,600.00		Comments:	
					-		

48 LONGITUDINAL/TRANSVERSE CRACKING		L	63.00	Ft	Comments:
Sample Number: 140 Type: R Sample Comments:	Area:		5,000.00SqFt		
48 LONGITUDINAL/TRANSVERSE CRACKING		L	82.00	Ft	Comments:
43 BLOCK CRACKING		L	100.00	SqFt	Comments:
43 BLOCK CRACKING		L	1,320.00		Comments:
52 WEATHERING/RAVELING		L	2,000.00		Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING		L	125.00		Comments:
Sample Number: 144 Type: R Sample Comments:	Area:		5,000.00SqFt		
48 LONGITUDINAL/TRANSVERSE CRACKING		L	78.00	Ft	Comments:
43 BLOCK CRACKING		L	360.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING		L	50.00	Ft	Comments:
43 BLOCK CRACKING		L	896.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING		L	31.00		Comments:
52 WEATHERING/RAVELING		L	1,000.00	SqFt	Comments:
Sample Number: 145 Type: R Sample Comments:	Area:		5,000.00SqFt		
48 LONGITUDINAL/TRANSVERSE CRACKING		L	69.00	Ft	Comments:
43 BLOCK CRACKING		L	1,000.00	SqFt	Comments:
43 BLOCK CRACKING		L	1,000.00		Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING		L	52.00		Comments:
52 WEATHERING/RAVELING		L	1,000.00	SqFt	Comments:
Sample Number: 148 Type: R Sample Comments:	Area:		5,000.00SqFt		
48 LONGITUDINAL/TRANSVERSE CRACKING		L	92.00	Ft	Comments:
43 BLOCK CRACKING		L	1,200.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING		L	71.00		Comments:
50 PATCHING		М	40.00	SqFt	Comments:
Sample Number: 149 Type: R Sample Comments:	Area:		5,000.00SqFt		
48 LONGITUDINAL/TRANSVERSE CRACKING		L	114.00	Ft	Comments:
43 BLOCK CRACKING		L	480.00	SqFt	Comments:
43 BLOCK CRACKING		L	200.00	SqFt	Comments:
43 BLOCK CRACKING		L	650.00	SqFt	Comments:
52 WEATHERING/RAVELING		М	500.00	SqFt	Comments:
52 WEATHERING/RAVELING		L	1,000.00	SqFt	Comments:
Sample Number: 153 Type: R Sample Comments:	Area:		5,000.00SqFt		
50 PATCHING		L	16.00		Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING		L	146.00		Comments:
43 BLOCK CRACKING		L	1,680.00	-	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING		L	100.00		Comments:
52 WEATHERING/RAVELING		L	2,000.00		Comments:
50 PATCHING		L	38.00		Comments:
50 PATCHING		L	38.00	SqFt	Comments:
Sample Number: 154 Type: R Sample Comments:	Area:	_	5,000.00SqFt		
50 PATCHING		L	540.00		Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING		L	215.00		Comments:
43 BLOCK CRACKING		L	1,290.00	SqFt	Comments:

Sample Number: 158 Type: R	Area:	5,000.00SqFt	
Sample Comments:		· •	
48 LONGITUDINAL/TRANSVERSE CRACKING	L	116.00 F	
50 PATCHING	L	64.00 S	
50 PATCHING 48 LONGITUDINAL/TRANSVERSE CRACKING	L L	36.00 S 44.00 F	
43 BLOCK CRACKING	L	600.00 S	
48 LONGITUDINAL/TRANSVERSE CRACKING	L	112.00 F	-
52 WEATHERING/RAVELING	L	1,000.00 S	
48 LONGITUDINAL/TRANSVERSE CRACKING	L	42.00 F	't Comments:
50 PATCHING	L	150.00 S	qFt Comments:
Sample Number: 159 Type: R	Area:	5,000.00SqFt	
Sample Comments:			
43 BLOCK CRACKING	L	540.00 S	
48 LONGITUDINAL/TRANSVERSE CRACKING	M	100.00 F	
50 PATCHING 52 WEATHERING/RAVELING	L	150.00 S 1,500.00 S	
48 LONGITUDINAL/TRANSVERSE CRACKING	L L	1,300.00 S 50.00 F	-
50 PATCHING	L	90.00 S	
48 LONGITUDINAL/TRANSVERSE CRACKING	L	124.00 F	-
Sample Number: 162 Type: R Sample Comments:	Area:	5,000.00SqFt	
50 [°] PATCHING	L	160.00 S	qFt Comments:
50 PATCHING	L	91.00 S	
48 LONGITUDINAL/TRANSVERSE CRACKING	L	101.00 F	
43 BLOCK CRACKING	L	1,750.00 S	-
48 LONGITUDINAL/TRANSVERSE CRACKING	L	102.00 F	
43 BLOCK CRACKING	L	650.00 S	
52 WEATHERING/RAVELING 48 LONGITUDINAL/TRANSVERSE CRACKING	L L	4,000.00 S 22.00 F	
48 LONGIIODINAL/IRANSVERSE CRACKING	Ц	22.00 F	't Comments:
Sample Number: 163 Type: R	Area:	5,000.00SqFt	
Sample Comments:		, 1	
50 PATCHING	L	20.00 S	
43 BLOCK CRACKING	L	400.00 S	
43 BLOCK CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING	L	3,750.00 S	-
48 LONGITUDINAL/TRANSVERSE CRACKING	L	292.00 F	't Comments:
Sample Number: 167 Type: R	Area:	5,000.00SqFt	
Sample Comments: 43 BLOCK CRACKING	L	1,725.00 s	aFt Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	290.00 F	
52 WEATHERING/RAVELING	L	4,500.00 S	
Sample Number: 169 Type: R	Area:	5,000.00SqFt	
Sample Comments:	_	100 00 -	
50 PATCHING	L	120.00 S	
43 BLOCK CRACKING 48 LONGITUDINAL/TRANSVERSE CRACKING	L L	2,000.00 S 330.00 F	
48 LONGIIUDINAL/IRANSVERSE CRACKING 52 WEATHERING/RAVELING	L	4,000.00 S	
		,	
Sample Number: 172 Type: R Sample Comments:	Area:	5,000.00SqFt	
50 PATCHING	L	12.25 S	gFt Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	425.00 F	-
43 BLOCK CRACKING	L	2,750.00 S	
52 WEATHERING/RAVELING	L	4,500.00 S	qFt Comments:

Sample Number: 174 Type: R	Area:	5,000.00SqFt	
Sample Comments:			
50 PATCHING	L	88.00 SqFt	Comments:
43 BLOCK CRACKING	L	2,500.00 SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	370.00 Ft	Comments:
52 WEATHERING/RAVELING	т		~
JZ WEATHERTING/ RAVEDING	L	4,500.00 SqFt	Comments:
Sample Number: 177 Type: R	Area:	4,500.00 SqFt 5,000.00SqFt	Comments:
Sample Number: 177 Type: R Sample Comments:	Area:	5,000.00SqFt	Comments:
		, 1	
Sample Number: 177 Type: R Sample Comments: 50 PATCHING	Area:	5,000.00SqFt 117.00 SqFt	Comments:
Sample Number: 177 Type: R Sample Comments: 50 PATCHING 43 BLOCK CRACKING	Area:	5,000.00SqFt 117.00 SqFt 3,000.00 SqFt	Comments: Comments:

Network: X07 Name: LAKE WALES MUNICIP	PAL AIRPOR	Г				
Branch: TWA Name: TAXIWAYA			Use: TA	XIWAY	Area:	91,290.00SqFt
Section: 105 of 3 From: - Surface: AC Family: FDOT-GA-TW-AC Area: 85,100.00SqFt Length: 2,100.00Ft Shoulder: Street Type: Grade: 0.00 Section Comments:	Lanes:	Zone: Width: 0	To: - Cate 40.00	gory:	Rank: P	Last Const.: 1/1/1978
Last Insp. Datc2/21/2011 Total Samples: 21 Sur Conditions: PCI:66.00 Inspection Comments: KHA	rveyed: 5					
Sample Number: 101 Type: R	Area:	4,000.	00SqFt			
Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 52 WEATHERING/RAVELING 52 WEATHERING/RAVELING		L M L 3,	229.00 500.00 500.00	SqFt	Comments Comments Comments	:
Sample Number: 104 Type: R	Area:	4,025.	00SqFt			
Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING 43 BLOCK CRACKING 52 WEATHERING/RAVELING		L L L 3,	200.00 56.00 000.00	SqFt	Comments Comments Comments	:
Sample Number: 107 Type: R Sample Comments:	Area:	4,000.	00SqFt			
48 LONGITUDINAL/TRANSVERSE CRACKING 52 WEATHERING/RAVELING		L L 3,	195.00 000.00		Comments Comments	
Sample Number: 114 Type: R Sample Comments:	Area:	4,000.	00SqFt			
48 LONGITUDINAL/TRANSVERSE CRACKING 52 WEATHERING/RAVELING		L L 2,	100.00 000.00		Comments Comments	
Sample Number: 118 Type: R Sample Comments:	Area:	4,000.	00SqFt			
48 LONGITUDINAL/TRANSVERSE CRACKING 43 BLOCK CRACKING		L L	134.00 77.00	SqFt	Comments Comments	:
52 WEATHERING/RAVELING 50 PATCHING 48 LONGLTUDINAL (TRANSVERSE CRACKING		M L L	77.00 224.00 80.00	SqFt	Comments Comments	:
48 LONGITUDINAL/TRANSVERSE CRACKING 52 WEATHERING/RAVELING			500.00	-	Comments Comments	

Network: X07	Name: LAKE WALES MUNICIP	AL AIRPORT			
Branch: TW A	Name: TAXIWAY A		Use: TAXIWAY	Area:	91,290.00SqFt
Section: 110 Surface: AC Area: 3,310.00SqF Shoulder: Strea Section Comments:	of 3 From: - Family: FDOT-GA-TW-AC t Length: 65.00Ft et Type: Grade: 0.00	Zone: Width Lanes: 0	To: - Category: n: 35.00Ft	Rank: P	Last Const.: 1/1/1988
Last Insp. Datc2/21/20 Conditions: PCI:45.00 Inspection Comments: KH.		rveyed: 1			
Sample Number: 10 Sample Comments:		,	310.00SqFt		
48 LONGITUDINA 52 WEATHERING/	L/TRANSVERSE CRACKING	L M	110.00 Ft 2,483.00 SqFt	Comments Comments	

Network: X07	Name: LAKE WALES MUNICI	PAL AIRPORT			
Branch: TW A	Name: TAXIWAY A		Use: TAXIWAY	Area:	91,290.00SqFt
Section: 115 Surface: AAC Area: 2,880.00SqF Shoulder: Stre Section Comments:	of 3 From: - Family: FDOT-GA-TW-AAC t Length: 66.00Ft et Type: Grade: 0.00	Zone: Widtl Lanes: 0	To: - Category: h: 40.00Ft	Rank: P	Last Const.: 1/1/1997
Last Insp. Date2/21/20 Conditions: PCI:72.00 Inspection Comments: KH	-	rveyed: 1			

Network: X07	Name: LAKE WALES MUNICIP	AL AIRPORT			
Branch: TWB	Name: TAXIWAY B		Use: TAXIWAY	Area:	43,260.00SqFt
Section: 205 Surface: AC Area: 14,040.00SqFt Shoulder: Street Section Comments:	of 4 From: - Family: FDOT-GA-TW-AC Length: 330.00Ft Type: Grade: 0.00	Zone: Width: Lanes: 0	To: - Category: 40.00Ft	Rank: P	Last Const.: 1/1/1978
Last Insp. Datc2/21/2011 Conditions: PCI:66.00 Inspection Comments: KHA	Total Samples: 3 Sur	rveyed: 1			
Sample Number: 101 Sample Comments: 52 WEATHERING/RA 52 WEATHERING/RA 48 LONGITUDINAL		М	00SqFt 280.00 SqFt 000.00 SqFt 130.00 Ft	Comments Comments Comments	:

Network:	X07	Name: LAKE WALES MUNICIE	PAL AIRPORT				
Branch:	TW B	Name: TAXIWAY B			Use: TAXIWAY	Area:	43,260.00SqFt
	207 AC 8,950.00SqFt Street T nents:	of 4 From: - Family: FDOT-GA-TW-AC Length: 185.00Ft 'ype: Grade: 0.00		Zone: Width: 0	To: - Category: 40.00Ft	Rank: P	Last Const.: 1/1/2004
Conditions	Date2/21/2011 s: PCI:71.00 omments: KHA	Total Samples: 2 Su	rveyed: 1				
Sample Nu Sample Comr	umber: 105 ments:	Туре: к	Area:	4,000.00)SqFt		
52 WEAT	HERING/RA	VELING TRANSVERSE CRACKING		3,2	00.00 SqFt 38.00 Ft	Comments Comments	

Network: X07	Name: LAKE WALES MUNICIP.	AL AIRPORT			
Branch: TWB	Name: TAXIWAY B		Use: TAXIWAY	Area:	43,260.00SqFt
Section: 210 Surface: AC Area: 15,740.00SqFt Shoulder: Street T Section Comments:	of 4 From: - Family: FDOT-GA-TW-AC Length: 400.00Ft Type: Grade: 0.00	Zone: Width: Lanes: 0	To: - Category: 40.00Ft	Rank: P	Last Const.: 1/1/2004
Last Insp. Datc2/21/2011 Conditions: PCI:76.00 Inspection Comments: KHA	Total Samples: 4 Sur	rveyed: 1			
Sample Number: 103 Sample Comments: 52 WEATHERING/RA	Type: R VELING	Area: 3,760.0 L 3,	00SqFt 010.00 SqFt	Comments	3:

Network:	X07	Name: LAKE WALES MUNICIE	PAL AIRPORT				
Branch:	TW B	Name: TAXIWAY B		Use: T	AXIWAY	Area:	43,260.00SqFt
Section: Surface: Area: Shoulder: Section Com		of 4 From: - Family: FDOT-GA-TW-AAC Length: 100.00Ft Yppe: Grade: 0.00		To: ne: Cate idth: 40.0	gory:	Rank: P	Last Const.: 1/1/1997
Condition	Datc2/21/2011 s: PCI:46.00 pmments: KHA	Total Samples: 1 Su	rveyed: 1				
Sample Com		Туре: к	Area:	4,530.00SqFt		<u> </u>	
48 LONG 53 RUTI		TRANSVERSE CRACKING	L L	43.00 3,625.00	-	Comments Comments	

Network: X07	Name: LAKE WALES MUNIC	IPAL AIRPORT			
Branch: TW C	Name: TAXIWAY C		Use: TAXIWAY	Area:	32,050.00SqFt
Section: 305 Surface: AC Area: 32,050.00SqFt Shoulder: Street T Section Comments:	of 1 From: - Family: FDOT-GA-TW-AC Length: 550.00Ft ype: Grade: 0.00	Zone: Width: Lanes: 0	To: - Category: 50.00Ft	Rank: P	Last Const.: 1/1/2004
Last Insp. Datc2/21/2011 Conditions: PCI:75.00 Inspection Comments: KHA	Total Samples: 6 S	urveyed: 2			
Conditions: PCI:75.00 Inspection Comments: KHA Sample Number: 101	Total Samples: 6 Si Type: R		0.00SqFt		
Conditions: PCI:75.00 Inspection Comments: KHA Sample Number: 101 Sample Comments:	Туре: к		0.00SqFt 500.00 SqFt	Comments	:
Conditions: PCI:75.00 Inspection Comments: KHA	Type: R /ELING	Area: 5,00 M	1	Comments Comments	•
Conditions: PCI:75.00 Inspection Comments: KHA Sample Number: 101 Sample Comments: 52 WEATHERING/RAV	Type: R /ELING	Area: 5,00 M L 3	500.00 SqFt		•

Branch: TWD Name: TAXIWAYD		Use: TAXIWAY	Area:	98,510.00SqFt
Section: 405 of 3 From: - Surface: AC Family: FDOT-GA-TW-AC Area: 28,870.00SqFt Length: 710.00Ft Shoulder: Street Type: Grade: 0.00 Section Comments:	Zone: Width Lanes: 0	To: - Category: : 40.00Ft	Rank: P	Last Const.: 1/1/1978
Conditions: PCI:74.00	rveyed: 2			
Conditions: PCI:74.00 Inspection Comments: KHA Sample Number: 101 Type: R Sample Comments:	Area: 4,0	00.00SqFt		
Conditions: PCI:74.00 Inspection Comments: KHA Sample Number: 101 Type: R Sample Comments: 48 LONGITUDINAL/TRANSVERSE CRACKING	Area: 4,0	00.00SqFt 70.00 Ft 3,000.00 SqFt	Comments Comments	
Conditions: PCI:74.00 Inspection Comments: KHA Sample Number: 101 Type: R Sample Comments:	Area: 4,0 L L	70.00 Ft		

Network: X07 Name: LAKE WALES MUNICIPAL	AIRPORT					
Branch: TWD Name: TAXIWAY D			Use: TA	AXIWAY	Area:	98,510.00SqFt
Section: 410 of 3 From: - Surface: AC Family: FDOT-GA-TW-AC Area: 67,040.00SqFt Length: 1,640.00Ft Shoulder: Street Type: Grade: 0.00 Section Comments:		Zone: Width: 0	To: - Cate 40.00	gory:	Rank: P	Last Const.: 1/1/1978
Last Insp. Date2/21/2011 Total Samples: 17 Surve Conditions: PCI:61.00 nspection Comments: KHA	eyed: 4					
Sample Number: 100 Type: R Sample Comments:	Area:	4,000.00	SqFt			
48 LONGITUDINAL/TRANSVERSE CRACKING	I	2	12.00	Ft	Comments	:
43 BLOCK CRACKING	I		50.00		Comments	
50 PATCHING	I			SqFt	Comments	:
52 WEATHERING/RAVELING	I	3,0	00.00	SqFt	Comments	:
Sample Number: 103 Type: R Sample Comments:	Area:	4,000.00	SqFt			
48 LONGITUDINAL/TRANSVERSE CRACKING	I		14.00		Comments	:
52 WEATHERING/RAVELING	I		00.00		Comments	
43 BLOCK CRACKING	I	. 1	20.00	SqFt	Comments	:
Sample Number: 109 Type: R Sample Comments:	Area:	4,000.00	SqFt			
48 LONGITUDINAL/TRANSVERSE CRACKING	I	_	24.00	Ft	Comments	:
52 WEATHERING/RAVELING	Ν		00.00		Comments	
52 WEATHERING/RAVELING	I	2,0	00.00	SqFt	Comments	:
Sample Number: 115 Type: R Sample Comments:	Area:	4,050.00	SqFt			
48 LONGITUDINAL/TRANSVERSE CRACKING	I	. 1	64.00	Ft	Comments	:
43 BLOCK CRACKING	I		00.00		Comments	:
52 WEATHERING/RAVELING	Ν		00.00		Comments	:
52 WEATHERING/RAVELING	I	2,0	00.00	SqFt	Comments	:

Network:	X07	Name: LAKE WALES MUN	CIPAL AIRPOR	T			
Branch:	TW D	Name: TAXIWAY D			Use: TAXIWAY	Area:	98,510.00SqFt
Section: Surface: Area: Shoulder: Section Com		of 3 From: - Family: FDOT-GA-TW-A. Length: 48.00 Sype: Grade: 0.00		Zone: Width: 0	To: - Category: 40.00Ft	Rank: P	Last Const.: 1/1/1997
Condition	Datc2/21/2011 as: PCI:71.00 omments: KHA	Total Samples: 1	Surveyed: 1				
Sample N Sample Com	umber: 107	Туре: к	Area:	2,600.0	00SqFt		
52 [°] WEAI	HERING/RA	VELING TRANSVERSE CRACKING		L 2,	080.00 SqFt 51.00 Ft	Comments Comments	