STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

AVIATION OFFICE

Statewide Airfield Pavement Management Program

Winter Haven's Gilbert Airport – GIF
(General Aviation)
Winter Haven, 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 Winter Haven's Gilbert 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 Winter Haven's Gilbert 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 Winter Haven's Gilbert 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 77, representing a Satisfactory overall network condition.

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

Table I: Condition Summary by Branch

Branch Name	Area Weighted PCI	Condition Rating	FDOT Minimum Service Level	MicroPAVER Minimum PCI	Action Required
Apron Area	61	Fair	60	65	X
Apron North	100	Good	60	65	
Turnaround Apron RW 11-29	57	Fair	60	65	X
Apron T-Hangars Taxilanes	64	Fair	60	65	X
Runway 11-29	79	Satisfactory	75	65	
Runway 5-23	100	Good	75	65	
Taxiway Alpha	69	Fair	65	65	
Taxiway Alpha 2	69	Fair	65	65	
Taxiway	38	Very Poor	65	65	X
Taxiway Bravo	69	Fair	65	65	
Taxiway Bravo 2	56	Fair	65	65	X
Taxiway Bravo 3	77	Satisfactory	65	65	
Taxiway Bravo 4	64	Fair	65	65	X
Taxiway Charlie	98	Good	65	65	
Taxiway Charlie 3	54	Poor	65	65	X
Taxiway Delta	85	Satisfactory	65	65	
Taxiway Foxtrot	100	Good	65	65	
Taxiway Foxtrot 1	100	Good	65	65	
Taxiway Foxtrot 2	100	Good	65	65	

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

Table II: Condition Summary by Pavement Use

Use	Average Area-Weighted PCI	Condition Rating
Runway	91	Good
Taxiway	70	Fair
Apron	71	Satisfactory
All (Weighted)	**77**	Satisfactory

Table III: Condition Summary by Pavement Rank

Rank*	Average Area-Weighted PCI	Condition Rating
Primary	77	Satisfactory
Secondary	80	Satisfactory
All (Weighted)	**77**	**Satisfactory**

*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 Winter Haven's Gilbert Airport, include: Apron Area, Turnaround Apron RW 11-29, Apron T-Hangars Taxilanes, Taxiway Alpha, Taxiway, Taxiway Bravo, Taxiway Bravo 2, Taxiway Bravo 4, and Taxiway Charlie 3. Pavement conditions in these areas justify either mill and overlay rehabilitation activity or full pavement reconstruction. The immediate needs are summarized in Table IV below.

Table IV: Immediate Major M&R Needs

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
Apron Area	4105	AAC	172,125	$494,687.58	62	Mill and Overlay	100
Apron Area	4110	AAC	169,518	$533,473.52	61	Mill and Overlay	100
Apron Area	4115	AC	35,625	$193,408.17	53	Mill and Overlay	100
Apron Area	4120	AC	42,000	$143,640.10	60	Mill and Overlay	100
Apron Area	4125	AC	12,500	$75,037.51	51	Mill and Overlay	100
Turnaround Apron RW 11-29	5105	AAC	12,500	$60,687.52	55	Mill and Overlay	100
Turnaround Apron RW 11-29	5110	AAC	11,000	$40,777.02	59	Mill and Overlay	100
Apron T-Hangars Taxilanes	4205	AC	160,203	$504,159.20	61	Mill and Overlay	100
Taxiway Alpha	115	AC	2,200	$11,312.40	54	Mill and Overlay	100
Taxiway	405	AC	7,532	$25,759.46	60	Mill and Overlay	100
Taxiway	410	AAC	44,000	$470,272.14	34	Reconstruction	100
Taxiway Bravo	205	AC	39,416	$247,926.66	43	Mill and Overlay	100
Taxiway Bravo	217	AC	7,000	$25,949.02	59	Mill and Overlay	100
Taxiway Bravo	220	AAC	1,700	$5,349.90	61	Mill and Overlay	100
Taxiway Bravo 2	250	AC	10,646	$33,502.99	61	Mill and Overlay	100
Taxiway Bravo 2	310	AAC	3,102	$13,279.67	57	Mill and Overlay	100
Taxiway Bravo 2	315	AC	6,192	$84,335.07	30	Reconstruction	100
Taxiway Bravo 2	320	AC	26,000	$96,382.06	59	Mill and Overlay	100
Taxiway Bravo 4	270	AAC	15,240	$39,639.26	63	Mill and Overlay	100
Taxiway Charlie 3	305	AAC	39,150	$212,545.40	53	Mill and Overlay	100
			Total	**$3,312,124.65**	**55**		**100**

* 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	$116,447.66	$3,312,124.64	$3,428,572.30
2012	$205,935.67	$153,327.58	$359,263.24
2013	$236,631.98	$0.00	$236,631.98
2014	$101,991.52	$1,547,021.64	$1,649,013.16
2015	$119,481.32	$0.00	$119,481.32
2016	$149,787.11	$14,168.66	$163,955.76
2017	$187,310.02	$22,238.04	$209,548.06
2018	$234,688.89	$0.00	$234,688.89
2019	$153,899.15	$1,359,421.01	$1,513,320.15
2020	$199,301.78	$0.00	$199,301.78
Total	**$1,705,475.10**	**$6,408,301.57**	**$8,113,776.64**

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 77 in 2011 to 87 in 2020. Appendix F lists the Major M&R for the 10-Year program. Appendix G graphically depicts the program 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 Winter Haven's Gilbert Airport pavements in 2020 may remain near 84. 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 Winter Haven's Gilbert 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.

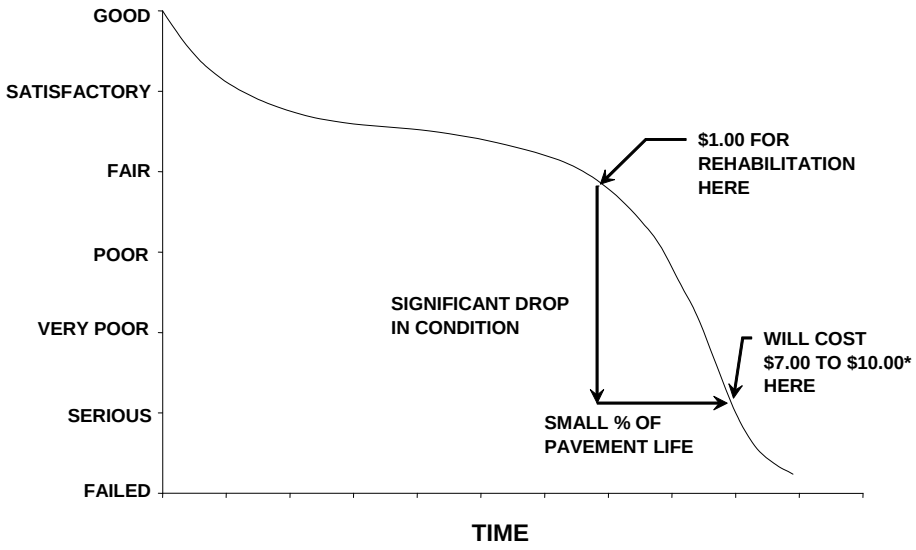
A small percentage of the airport pavements in Florida are composed of asphalt concrete surface over Portland Cement Concrete (APC). This pavement type is known as "composite" pavement.

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 occurs is much less compared to maintaining pavements after substantial 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.

Table 1-1: Sampling Rate for FDOT Condition Surveys

AC Pavements			PCC Pavements		
N	**n**		**N**	**n**	
	Runway	**Others**		**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
≥51	20% but ≤20	10% but ≤10	31-40	8	4
			41-50	10	5
			≥51	20% but ≤20	10% but ≤10

Where *N = total number of sample units in Section*
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.

Figure 1-2: PCI Rating Scale

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

1.5 Definitions

Aviation Office - 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.

Base Course - 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.

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

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

Category - 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).

Critical PCI - 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.

Distress Type - 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.

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

Global M&R - 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.

Major M&R (e.g. Rehabilitation) - 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.

MicroPAVER - 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.

Minimum Condition Level - 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.

Network Definition - 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.

Pavement Condition Index (PCI) - 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.

Pavement Evaluation - 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.

Pavement Management System (PMS) - 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.

Pavement Surface Type - 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.

Rank - 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.

Reconstruction - 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.

Rehabilitation - 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.

Sample Unit - 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 ± 2,000 square feet for AC-surfaced pavements and 20 ± 8 slabs for PCC-surfaced pavements.

Section - 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.

Section ID - 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.

Statewide Airfield Pavement Management Program (SAPMP) – 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.

System Inventory - 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.

Use - 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

Winter Haven's Gilbert Airport (GIF) is located 3.5 miles northwest of Winter Haven, Florida. The airport lies between 4-lane highway U.S. 92 on the north side and 6-lane SR544 to the south. The airport is owned and directly regulated by the City of Winter Haven. Winter Haven's Gilbert Airport focuses primarily on general aviation aircraft and is served by two intersecting runways. These runways are Runway 5-23 and Runway 11-29. Runway 5-23 is served by a full-length parallel taxiway and Runway 11-29 is served by a partial parallel taxiway.

Based on field measurements, it is important to note that the runway data and other pavement facilities geometric dimensions may vary slightly from the geometry used in the condition and M&R analysis.

During World War II, the airport was an Army Air Forces auxiliary airfield for the Lakeland School of Aeronautics at Lakeland Army Airfield. The school provided pilot training to flying cadets of the Army Air Force. At the end of the war, the airfield was returned to the city of Winter Haven.

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 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 Winter Haven's Gilbert 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
2009	Apron T-Hangars Taxilanes	New construction / Section 4210
2010	Taxiway Bravo	Mill and Overlay / Section 225 and 230
2010	Runway 4-22	Mill and Overlay / Runway 4-22
2010	Runway 4-22	Redesignation / Runway 4-22 to Runway 5-23
2011	Taxiway Foxtrot	New construction / Taxiway Foxtrot extension (new pavement)

2.2 Pavement Inventory

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

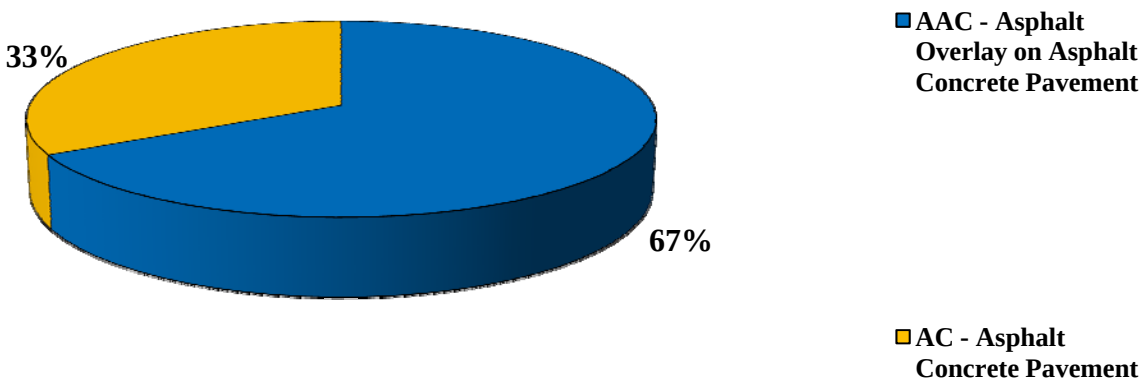
The total airfield pavement area in 2011 at Winter Haven's Gilbert Airport is 2,830,387 square feet. The breakdown of pavement area for each pavement use is provided in Table 2-2.

Table 2-2: Pavement Area by Pavement Use

Use	Area (ft^2)	% of Total Area
Runway	890,709	31%
Taxiway	1,085,730	38%
Apron	853,948	30%
All	**2,830,387**	**100%**

Figure 2-1 presents the breakdown of the pavement area at Winter Haven's Gilbert 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.

Table 2-3: Branch and Section Inventory

Branch Name	Branch ID	Section ID	True Area (ft^2)	Section Rank	Surface Type	Last Const. Date	Total Samples Inspected	Total Samples
Apron Area	AP	4105	172,125	P	AAC	1/1/1986	4	40
Apron Area	AP	4110	169,518	P	AAC	1/1/1990	4	38
Apron Area	AP	4115	35,625	P	AC	1/1/1960	1	9
Apron Area	AP	4117	22,000	P	AC	1/1/1942	1	4
Apron Area	AP	4120	42,000	P	AC	1/1/1980	1	9
Apron Area	AP	4125	12,500	P	AC	1/1/1980	1	3
Apron North	AP N	4505	163,344	P	AC	1/1/2011	0	36
Apron North	AP N	4510	41,540	P	AC	1/1/2011	0	10
Apron T-Hangars Taxilanes	AP T-HANG	4205	160,203	P	AC	1/1/1984	6	71
Apron T-Hangars Taxilanes	AP T-HANG	4210	11,593	P	AC	1/1/2009	1	6
Runway 11-29	RW 11-29	6205	367,835	S	AAC	1/1/1997	15	73
Runway 11-29	RW 11-29	6210	22,193	S	AAC	1/1/2010	1	5
Runway 5-23	RW 5-23	6105	182,500	P	AAC	1/1/2010	0	37
Runway 5-23	RW 5-23	6110	182,499	P	AAC	1/1/2010	0	38
Runway 5-23	RW 5-23	6115	100,682	P	AC	1/1/2010	0	20
Runway 5-23	RW 5-23	6120	35,000	P	AAC	1/1/2010	0	7
Taxiway	TW AP	405	7,532	P	AC	1/1/1942	1	1
Taxiway	TW AP	410	44,000	P	AAC	1/1/1960	2	8
Taxiway Alpha	TW A	110	575,000	P	AAC	1/1/1997	2	12
Taxiway Alpha	TW A	115	2,200	P	AC	1/1/1997	1	1
Taxiway Alpha 2	TW A2	105	7,659	P	AC	1/1/1984	1	2
Taxiway Bravo	TW B	205	39,416	P	AC	1/1/1985	2	10
Taxiway Bravo	TW B	210	50,000	P	AC	1/1/1991	3	13
Taxiway Bravo	TW B	215	63,944	P	AC	1/1/1985	2	15
Taxiway Bravo	TW B	217	7,000	P	AC	1/1/1985	1	2
Taxiway Bravo	TW B	220	1,700	P	AAC	1/1/1997	1	1
Taxiway Bravo	TW B	225	45,386	P	AAC	1/1/2010	2	10
Taxiway Bravo	TW B	230	12,120	P	AAC	1/1/2010	1	3
Taxiway Bravo 2	TW B2	250	10,646	P	AC	1/1/1985	1	2
Taxiway Bravo 2	TW B2	310	3,102	P	AAC	1/1/1970	1	1
Taxiway Bravo 2	TW B2	315	6,192	P	AC	1/1/1985	1	1
Taxiway Bravo 2	TW B2	320	26,000	P	AC	1/1/1942	2	5
Taxiway Bravo 3	TW B3	258	2,975	P	AAC	1/1/1997	1	1
Taxiway Bravo 3	TW B3	260	5,250	P	AAC	1/1/1997	1	1
Taxiway Bravo 3	TW B3	262	8,000	P	AAC	1/1/1997	1	1

Table 2-3: Branch and Section Inventory (Continued)

Branch Name	Branch ID	Section ID	True Area (ft^2)	Section Rank	Surface Type	Last Const. Date	Total Samples Inspected	Total Samples
Taxiway Bravo 4	TW B4	270	15,240	P	AAC	1/1/1997	1	3
Taxiway Charlie	TW C	330	34,255	P	AC	1/9/1998	1	7
Taxiway Charlie 3	TW C3	305	39,150	P	AAC	1/1/1960	2	8
Taxiway Delta	TW D	420	29,677	P	AC	1/9/1998	1	6
Taxiway Foxtrot	TW F	605	28,541	P	AC	1/1/2011	0	6
Taxiway Foxtrot 1	TW F1	610	10,374	P	AC	1/1/2011	0	2
Taxiway Foxtrot 2	TW F2	615	10,371	P	AC	1/1/2011	0	2
Turnaround Apron RW 11-29	AP RW11-29	5105	12,500	P	AAC	1/1/1997	1	2
Turnaround Apron RW 11-29	AP RW11-29	5110	11,000	P	AAC	1/1/1997	1	2

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. Tables 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. 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 Winter Haven's Gilbert Airport were performed in February2011. 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 Winter Haven's Gilbert Airport is 77, representing a Satisfactory overall network condition.

The Asphalt Concrete pavement of both runways was in good condition. Runway 11-29 had evidence of low severity weathering and raveling along with low to medium severity longitudinal and transversal cracking. Runway 5-23 had been recently rehabilitated with a mill and overlay in 2010, and thereby was in good condition.

Taxiways throughout the airfield exhibited low to high severity weathering and raveling, low to medium block cracking, and low severity longitudinal and transversal cracking. Only Taxiway Alpha exhibited medium severity longitudinal and transversal cracking. Taxiways also exhibited low severity distresses such as; patching, slippage, swelling, and depression. Moreover, low severity patching, slippage, swelling, and depression distresses were also observed in the taxiways.

The most predominant distress among the Aprons was low severity weathering and raveling. Apron T-Hangar Taxilanes exhibited shoving while Apron Area had evidence of low to medium severity block cracking and a small area of medium severity alligator cracking.

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 Winter Haven's Gilbert Airport.

Figure 3-1: Network PCI Distribution by Rating Category

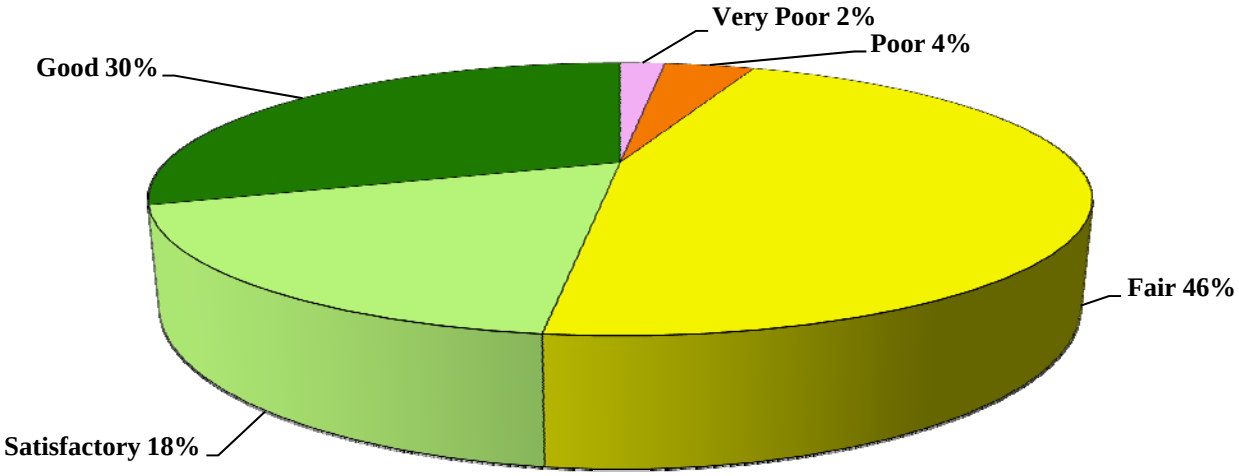


Figure 3-1a: Condition Rating Summary

Condition Rating	Total Area (ft^2)	Percent
Good	837,987	30%
Satisfactory	506,148	18%
Fair	1,307,169	46%
Poor	128,891	4%
Very Poor	50,192	2%
Serious	0	0%
Failed	0	0%

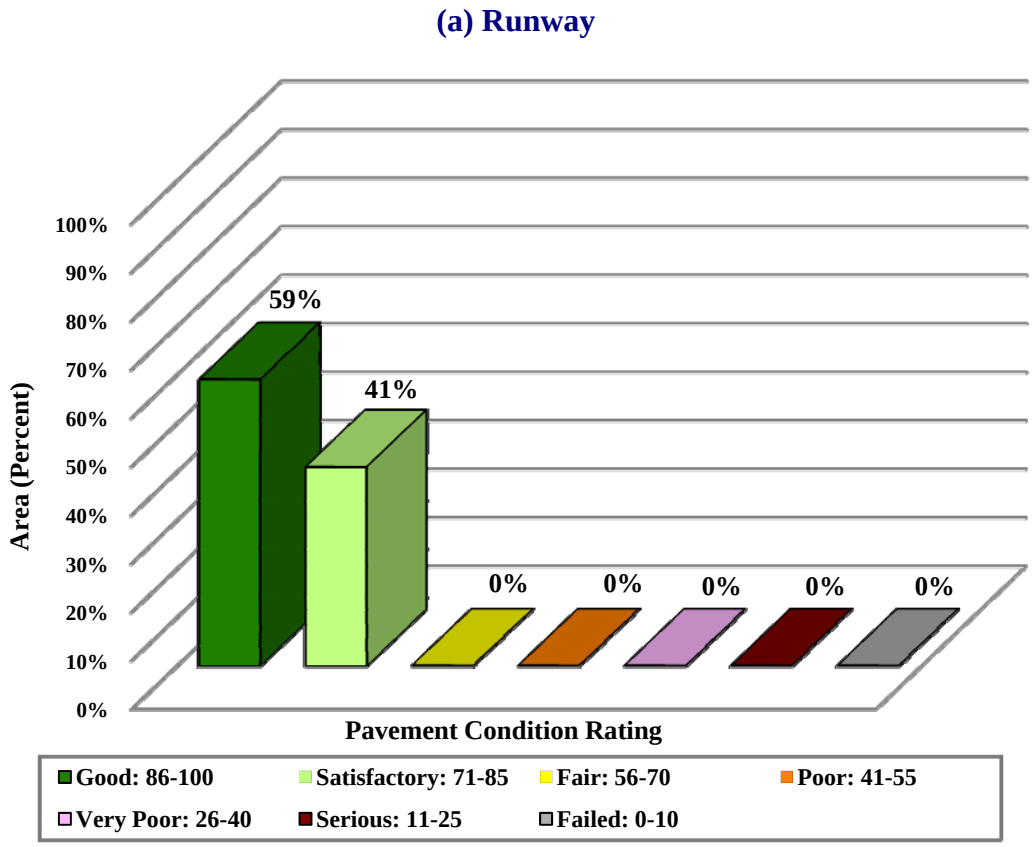
Approximately 48% of the network is in Good and Satisfactory condition while 7% of the network is in Poor and Very Poor condition. Table 3-2 illustrates the area-weighted PCI computed individually for each pavement use.

Table 3-2: Condition by Pavement Use

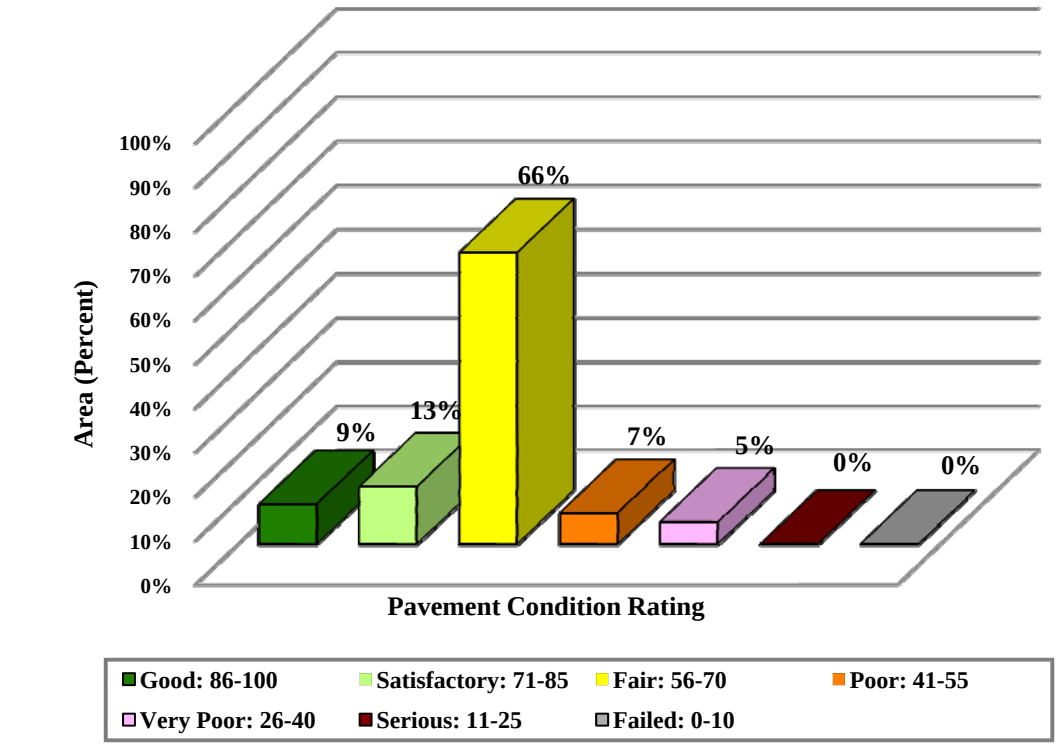
Use	Average Area-Weighted PCI	Condition Rating
Runway	91	Good
Taxiway	70	Fair
Apron	71	Satisfactory
All (Weighted)	**77**	Satisfactory

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

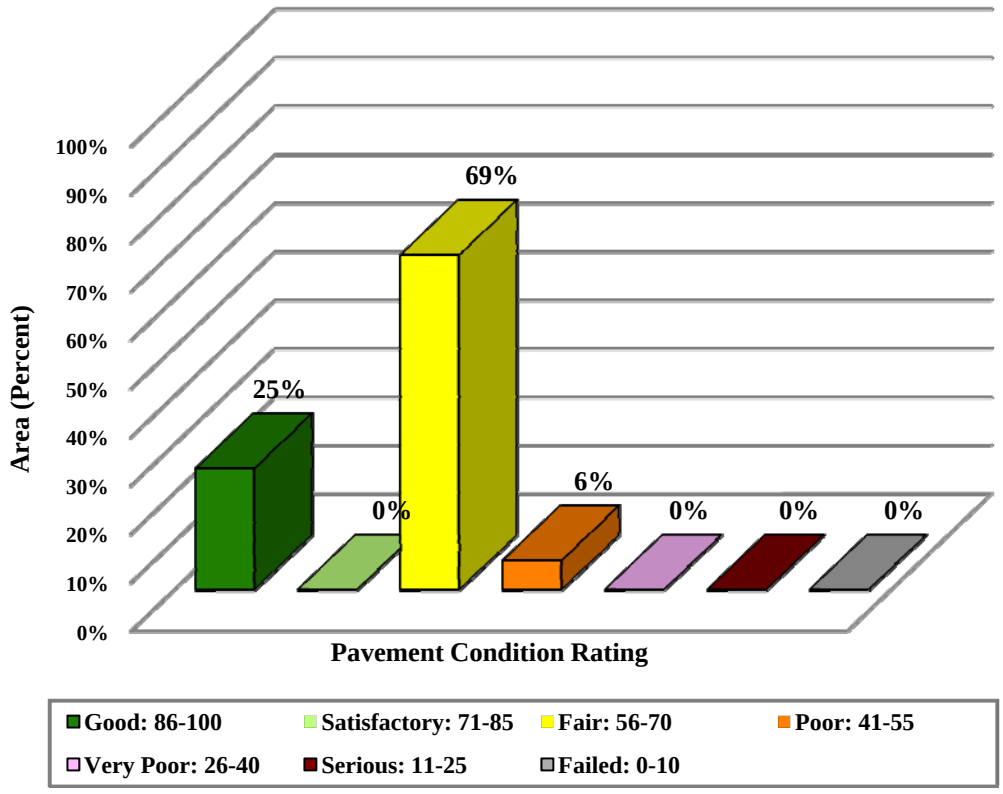
Figure 3-2: Percentage of Pavement Area within Each PCI Range by Pavement Use



(b) Taxiway



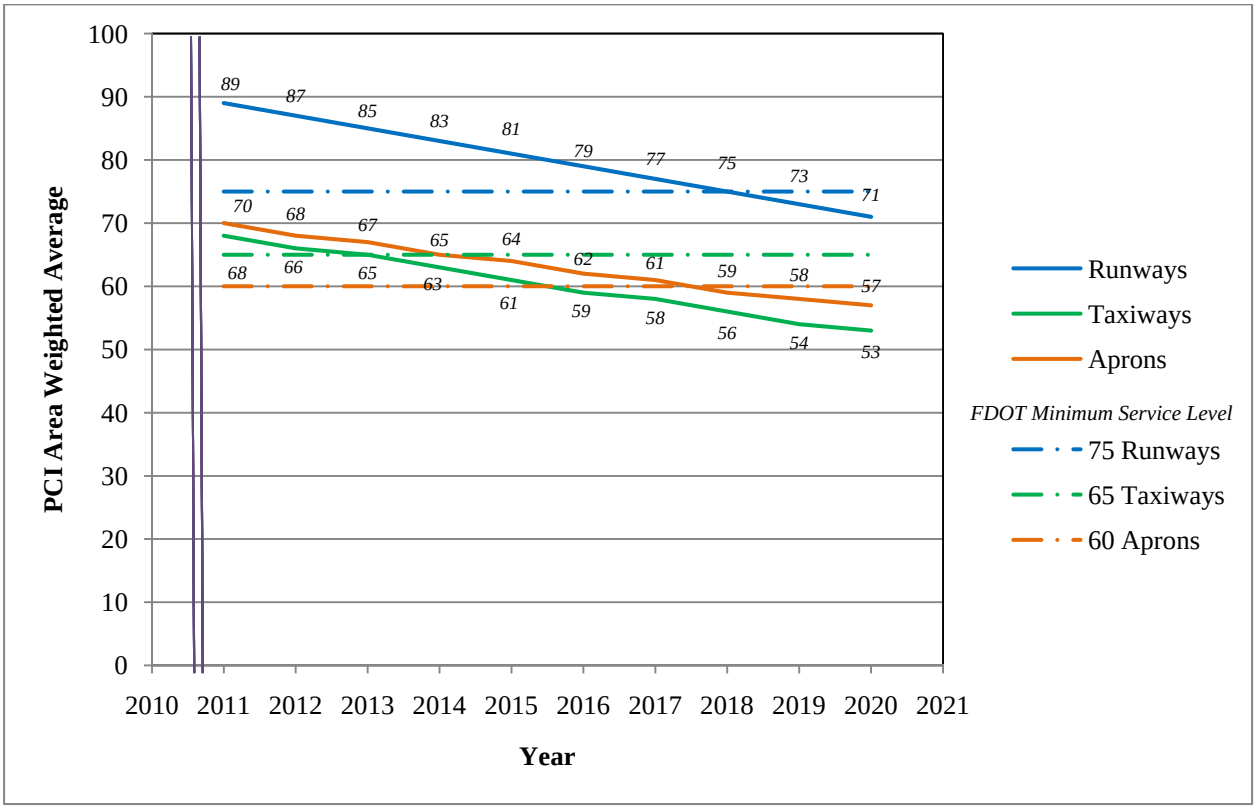
(c) Apron



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 Winter Haven's Gilbert 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.

Table 5-1: Routine Maintenance Activities for Airfield Pavements

Surface	Distress	Severity*	Work Type	Code	Work Unit
AC	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
	Oil Spillage	N/A	Patching - AC Shallow	PA-AS	SqFt
	Patching	M, H	Patching - AC Deep	PA-AD	SqFt
	Polished Agg.	N/A	No Localized M&R	NONE	N/A
	Raveling	L	Surface Sealing - Rejuvenating	SS-RE	SqFt
		M	Surface Seal - Coal Tar	SS-CT	SqFt
		H	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
PCC	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	M, H	Crack Sealing – PCC	CS-PC	Ft
	Durability Crack	H	Slab Replacement – PCC	SL-PC	SqFt
		M	Patching - PCC Full Depth	PA-PF	SqFt
	Jt. Seal Damage	M, H	Joint Seal (Localized)	JS-LC	Ft
	Small Patch	M, H	Patching - PCC Partial Depth	PA-PP	SqFt
	Large Patch	M, H	Patching - PCC Full Depth	PA-PF	SqFt
	Popouts	N/A	No Localized M&R	NONE	N/A
	Pumping	N/A	No Localized M&R	NONE	N/A
	Scaling	H	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

*L = Low, M = Medium, H = High

Table 5-2: Critical PCI for General Aviation Airports

Use	Critical PCI
Runway	65
Taxiway	65
Apron	65

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.

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

	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

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.

Table 5-5: Maintenance Unit Costs for FDOT

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

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
		80	$0.24
Rehabilitation	Mill and Overlay (AC) or Concrete Pavement Restoration (PCC)	70	$3.00
		60	$3.42
		50	$6.29
		40	$6.29
	Reconstruction	30	$13.62
		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.

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

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
Apron Area	4105	AAC	172,125	$494,687.58	62	Mill and Overlay	100
Apron Area	4110	AAC	169,518	$533,473.52	61	Mill and Overlay	100
Apron Area	4115	AC	35,625	$193,408.17	53	Mill and Overlay	100
Apron Area	4120	AC	42,000	$143,640.10	60	Mill and Overlay	100
Apron Area	4125	AC	12,500	$75,037.51	51	Mill and Overlay	100
Turnaround Apron RW 11-29	5105	AAC	12,500	$60,687.52	55	Mill and Overlay	100
Turnaround Apron RW 11-29	5110	AAC	11,000	$40,777.02	59	Mill and Overlay	100
Apron T-Hangars Taxilanes	4205	AC	160,203	$504,159.20	61	Mill and Overlay	100
Taxiway Alpha	115	AC	2,200	$11,312.40	54	Mill and Overlay	100
Taxiway	405	AC	7,532	$25,759.46	60	Mill and Overlay	100
Taxiway	410	AAC	44,000	$470,272.14	34	Reconstruction	100
Taxiway Bravo	205	AC	39,416	$247,926.66	43	Mill and Overlay	100
Taxiway Bravo	217	AC	7,000	$25,949.02	59	Mill and Overlay	100
Taxiway Bravo	220	AAC	1,700	$5,349.90	61	Mill and Overlay	100
Taxiway Bravo 2	250	AC	10,646	$33,502.99	61	Mill and Overlay	100
Taxiway Bravo 2	310	AAC	3,102	$13,279.67	57	Mill and Overlay	100
Taxiway Bravo 2	315	AC	6,192	$84,335.07	30	Reconstruction	100
Taxiway Bravo 2	320	AC	26,000	$96,382.06	59	Mill and Overlay	100
Taxiway Bravo 4	270	AAC	15,240	$39,639.26	63	Mill and Overlay	100
Taxiway Charlie 3	305	AAC	39,150	$212,545.40	53	Mill and Overlay	100
			Total	**$3,312,124.65**	**55**		**100**

* 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.

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

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
Apron Area	4105	AAC	172,125	$111,881.25	62	Microsurfacing	100
Apron Area	4110	AAC	169,518	$110,186.70	61	Microsurfacing	100
Apron Area	4115	AC	35,625	$23,156.25	53	Microsurfacing	100
Apron Area	4120	AC	42,000	$27,300.00	60	Microsurfacing	100
Apron Area	4125	AC	12,500	$8,125.00	51	Microsurfacing	100
Turnaround Apron RW 11-29	5105	AAC	12,500	$8,125.00	55	Microsurfacing	100
Turnaround Apron RW 11-29	5110	AAC	11,000	$7,150.00	59	Microsurfacing	100
Apron T-Hangars Taxilanes	4205	AC	160,203	$104,131.95	61	Microsurfacing	100
Taxiway Alpha	115	AC	2,200	$1,430.00	54	Microsurfacing	100
Taxiway	405	AC	7,532	$4,895.80	60	Microsurfacing	100
Taxiway	410	AAC	44,000	$470,272.14	34	Reconstruction	100
Taxiway Bravo	205	AC	39,416	$25,620.40	43	Microsurfacing	100
Taxiway Bravo	217	AC	7,000	$4,550.00	59	Microsurfacing	100
Taxiway Bravo	220	AAC	1,700	$1,105.00	61	Microsurfacing	100
Taxiway Bravo 2	250	AC	10,646	$6,919.90	61	Microsurfacing	100
Taxiway Bravo 2	310	AAC	3,102	$2,016.30	57	Microsurfacing	100
Taxiway Bravo 2	315	AC	6,192	$84,335.07	30	Reconstruction	100
Taxiway Bravo 2	320	AC	26,000	$16,900.00	59	Microsurfacing	100
Taxiway Bravo 4	270	AAC	15,240	$9,906.00	63	Microsurfacing	100
Taxiway Charlie 3	305	AAC	39,150	$25,447.50	53	Microsurfacing	100
			Total	**$1,053,454.26**	**55**		**100**

* 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.

Table 6-3: Summary of Year 1 Maintenance Activities

Branch Name	Branch ID	Section ID	Distress Description	Distress Severity	Work Description	Work Quantity	Work Unit	Unit Cost	Work Cost
Apron Area	AP	4105	WEATH/RAVEL	L	Surface Seal - Rejuvenating	172,125.00	SqFt	$0.40	$68,850.57
Apron Area	AP	4110	BLOCK CR	M	Crack Sealing - AC	4,441.30	Ft	$2.25	$9,992.94
Apron Area	AP	4110	WEATH/RAVEL	L	Surface Seal - Rejuvenating	124,884.60	SqFt	$0.40	$49,954.24
Apron Area	AP	4115	WEATH/RAVEL	L	Surface Seal - Rejuvenating	35,625.00	SqFt	$0.40	$14,250.12
Apron Area	AP	4117	WEATH/RAVEL	L	Surface Seal - Rejuvenating	6,820.00	SqFt	$0.40	$2,728.02
Apron Area	AP	4120	WEATH/RAVEL	L	Surface Seal - Rejuvenating	42,000.00	SqFt	$0.40	$16,800.14
Apron Area	AP	4125	WEATH/RAVEL	L	Surface Seal - Rejuvenating	12,500.00	SqFt	$0.40	$5,000.04
Apron Area	AP	4125	ALLIGATOR CR	M	Patching - AC Deep	133.60	SqFt	$4.90	$654.50
Turnaround Apron RW 11-29	AP RW11-29	5105	WEATH/RAVEL	L	Surface Seal - Rejuvenating	3,888.90	SqFt	$0.40	$1,555.57
Turnaround Apron RW 11-29	AP RW11-29	5110	WEATH/RAVEL	L	Surface Seal - Rejuvenating	2,591.10	SqFt	$0.40	$1,036.45
Apron T-Hangars Taxilanes	AP T-HANG	4205	WEATH/RAVEL	L	Surface Seal - Rejuvenating	135,861.00	SqFt	$0.40	$54,344.85
Apron T-Hangars Taxilanes	AP T-HANG	4205	SHOVING	M	Grinding(Localized)	1,131.20	SqFt	$2.10	$2,375.54
Taxiway Bravo 4	TW B4	270	WEATH/RAVEL	L	Surface Seal - Rejuvenating	701.00	SqFt	$0.40	$280.42
Taxiway Charlie 3	TW C3	305	WEATH/RAVEL	H	Microsurfacing - AC	783.00	SqFt	$0.65	$508.95
Taxiway Charlie 3	TW C3	305	WEATH/RAVEL	L	Surface Seal - Rejuvenating	37,732.80	SqFt	$0.40	$15,093.23
Taxiway Charlie 3	TW C3	305	WEATH/RAVEL	M	Surface Seal - Coat Tar	634.20	SqFt	$0.40	$253.69
Taxiway Delta	TW D	420	WEATH/RAVEL	L	Surface Seal - Rejuvenating	7,122.40	SqFt	$0.40	$2,848.99
Runway 11-29	RW 11-29	6205	WEATH/RAVEL	L	Surface Seal - Rejuvenating	62,808.30	SqFt	$0.40	$25,123.53
Runway 11-29	RW 11-29	6205	L & T CR	M	Crack Sealing - AC	646.40	Ft	$2.25	$1,454.51
Runway 11-29	RW 11-29	6210	WEATH/RAVEL	L	Surface Seal - Rejuvenating	133.80	SqFt	$0.40	$53.50
Taxiway Alpha	TW A	110	L & T CR	M	Crack Sealing - AC	1,610.00	Ft	$2.25	$3,622.51
Taxiway Alpha	TW A	110	WEATH/RAVEL	M	Surface Seal - Coat Tar	690.00	SqFt	$0.40	$276.00
Taxiway Alpha	TW A	110	WEATH/RAVEL	L	Surface Seal - Rejuvenating	110,975.00	SqFt	$0.40	$44,390.37

Table 6-3: Summary of Year 1 Maintenance Activities (Continued)

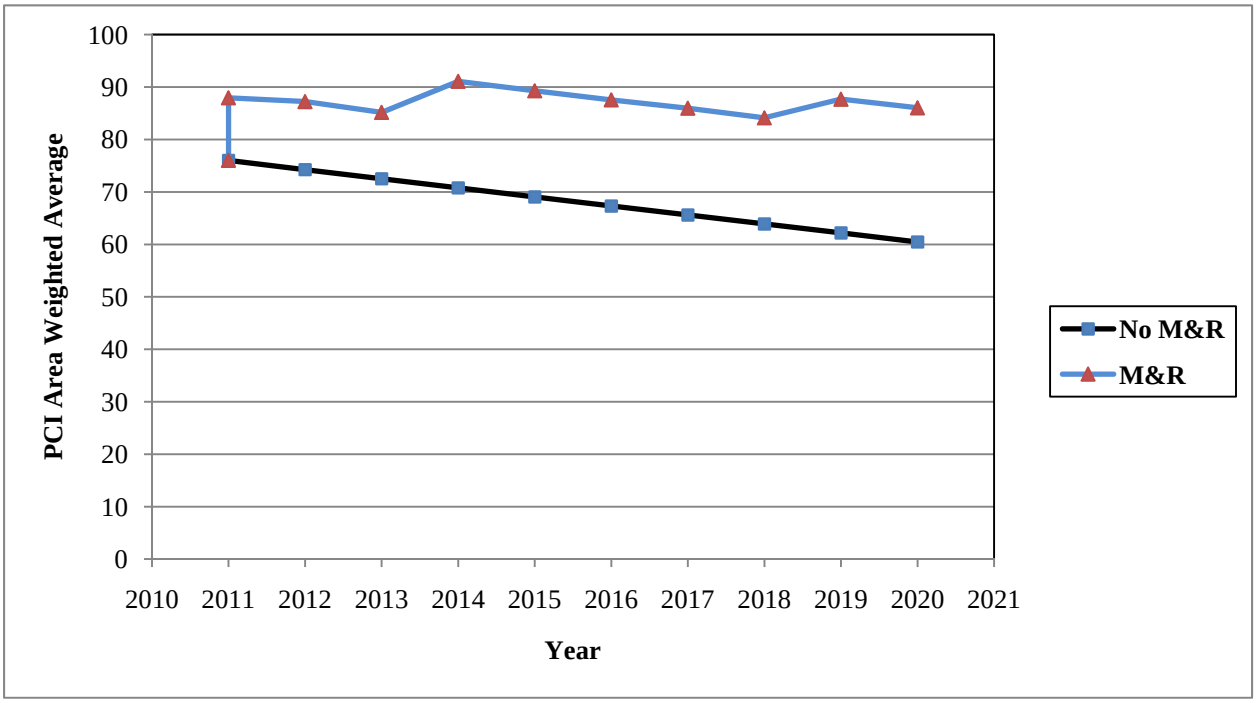
Branch Name	Branch ID	Section ID	Distress Description	Distress Severity	Work Description	Work Quantity	Work Unit	Unit Cost	Work Cost
Taxiway Alpha	TW A	115	WEATH/RAVEL	L	Surface Seal - Rejuvenating	194.90	SqFt	$0.40	$77.94
Taxiway Alpha 2	TW A2	105	WEATH/RAVEL	L	Surface Seal - Rejuvenating	7,659.00	SqFt	$0.40	$3,063.63
Taxiway	TW AP	405	WEATH/RAVEL	L	Surface Seal - Rejuvenating	7,532.00	SqFt	$0.40	$3,012.83
Taxiway	TW AP	410	WEATH/RAVEL	L	Surface Seal - Rejuvenating	43,384.00	SqFt	$0.40	$17,353.74
Taxiway	TW AP	410	BLOCK CR	M	Crack Sealing - AC	9,787.50	Ft	$2.25	$22,021.89
Taxiway	TW AP	410	WEATH/RAVEL	M	Surface Seal - Coat Tar	616.00	SqFt	$0.40	$246.40
Taxiway Bravo	TW B	205	WEATH/RAVEL	L	Surface Seal - Rejuvenating	27,392.10	SqFt	$0.40	$10,956.92
Taxiway Bravo	TW B	205	WEATH/RAVEL	M	Surface Seal - Coat Tar	28,032.80	SqFt	$0.40	$11,213.22
Taxiway Bravo	TW B	210	WEATH/RAVEL	L	Surface Seal - Rejuvenating	16,690.50	SqFt	$0.40	$6,676.25
Taxiway Bravo	TW B	215	WEATH/RAVEL	L	Surface Seal - Rejuvenating	53,920.80	SqFt	$0.40	$21,568.50
Taxiway Bravo	TW B	215	WEATH/RAVEL	M	Surface Seal - Coat Tar	3,679.20	SqFt	$0.40	$1,471.69
Taxiway Bravo	TW B	217	WEATH/RAVEL	H	Microsurfacing - AC	21.00	SqFt	$0.65	$13.65
Taxiway Bravo	TW B	217	WEATH/RAVEL	L	Surface Seal - Rejuvenating	6,333.30	SqFt	$0.40	$2,533.32
Taxiway Bravo	TW B	217	WEATH/RAVEL	M	Surface Seal - Coat Tar	645.80	SqFt	$0.40	$258.30
Taxiway Bravo	TW B	220	WEATH/RAVEL	L	Surface Seal - Rejuvenating	1,176.90	SqFt	$0.40	$470.77
Taxiway Bravo	TW B	225	WEATH/RAVEL	L	Surface Seal - Rejuvenating	4,410.90	SqFt	$0.40	$1,764.37
Taxiway Bravo	TW B	230	WEATH/RAVEL	L	Surface Seal - Rejuvenating	720.00	SqFt	$0.40	$288.00
Taxiway Bravo 2	TW B2	250	WEATH/RAVEL	L	Surface Seal - Rejuvenating	8,729.70	SqFt	$0.40	$3,491.92
Taxiway Bravo 2	TW B2	250	WEATH/RAVEL	M	Surface Seal - Coat Tar	1,916.30	SqFt	$0.40	$766.52
Taxiway Bravo 2	TW B2	310	WEATH/RAVEL	L	Surface Seal - Rejuvenating	1,528.80	SqFt	$0.40	$611.54
Taxiway Bravo 2	TW B2	315	WEATH/RAVEL	M	Surface Seal - Coat Tar	4,952.60	SqFt	$0.40	$1,981.04
Taxiway Bravo 2	TW B2	315	WEATH/RAVEL	H	Microsurfacing - AC	1.00	SqFt	$0.65	$0.67
Taxiway Bravo 2	TW B2	315	WEATH/RAVEL	L	Surface Seal - Rejuvenating	1,238.40	SqFt	$0.40	$495.36

Table 6-3: Summary of Year 1 Maintenance Activities (Continued)

Branch Name	Branch ID	Section ID	Distress Description	Distress Severity	Work Description	Work Quantity	Work Unit	Unit Cost	Work Cost
Taxiway Bravo 2	TW B2	320	WEATH/RAVEL	L	Surface Seal - Rejuvenating	26,000.00	SqFt	$0.40	$10,400.09
Taxiway Bravo 3	TW B3	258	WEATH/RAVEL	L	Surface Seal - Rejuvenating	26.80	SqFt	$0.40	$10.72
Taxiway Bravo 3	TW B3	260	DEPRESSION	M	Patching - AC Deep	40.50	SqFt	$4.90	$198.67
Taxiway Bravo 3	TW B3	260	WEATH/RAVEL	L	Surface Seal - Rejuvenating	1,260.00	SqFt	$0.40	$504.00
Taxiway Bravo 3	TW B3	262	WEATH/RAVEL	L	Surface Seal - Rejuvenating	1,011.00	SqFt	$0.40	$404.40
								Total =	$443,305.03

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 77 in 2011 to 60 in ten years if no M&R activities are performed.
- The PCI will remain at or above 84 through the 10-year analysis period under the unlimited budget scenario. A 2020 PCI of 87 with this scenario is 17 PCI points higher than a "No M&R" scenario. The total cost for Major M&R over this 10-year period is about $6.4 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.

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

Year	Preventative	Major M&R	Total Year Cost
2011	$116,447.66	$3,312,124.64	$3,428,572.30
2012	$205,935.67	$153,327.58	$359,263.24
2013	$236,631.98	$0.00	$236,631.98
2014	$101,991.52	$1,547,021.64	$1,649,013.16
2015	$119,481.32	$0.00	$119,481.32
2016	$149,787.11	$14,168.66	$163,955.76
2017	$187,310.02	$22,238.04	$209,548.06
2018	$234,688.89	$0.00	$234,688.89
2019	$153,899.15	$1,359,421.01	$1,513,320.15
2020	$199,301.78	$0.00	$199,301.78
Total	**$1,705,475.10**	**$6,408,301.57**	**$8,113,776.64**

Note: Costs are adjusted for inflation.

Approximately 52% 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 Area** – Asphalt pavement mill and overlay activity per the FAA P-401 Specification.
- **Turnaround Apron RW 11-29** – Asphalt pavement mill and overlay activity per the FAA P-401 Specification.
- **Apron T-Hangars Taxilanes** – Asphalt pavement mill and overlay activity per the FAA P-401 Specification.
- **Taxiway Alpha** – Asphalt pavement mill and overlay activity per the FAA P-401 Specification.
- **Taxiway** – Asphalt pavement mill and overlay along with reconstruction activity per the FAA P-401 Specification.

- **Taxiway Bravo** – Asphalt pavement mill and overlay activity per the FAA P-401 Specification.
- **Taxiway Bravo 2** – Asphalt pavement mill and overlay along with reconstruction activity per the FAA P-401 Specification.
- **Taxiway Bravo 4** – Asphalt pavement mill and overlay activity per the FAA P-401 Specification.
- **Taxiway Charlie 3** – 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 Winter Haven's Gilbert 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 Area** – Asphalt pavement mill and overlay activity per the FAA P-401 Specification.
- **Turnaround Apron RW 11-29** – Asphalt pavement mill and overlay activity per the FAA P-401 Specification.
- **Apron T-Hangars Taxilanes** – Asphalt pavement mill and overlay activity per the FAA P-401 Specification.
- **Taxiway Alpha** – Asphalt pavement mill and overlay activity per the FAA P-401 Specification.
- **Taxiway** – Asphalt pavement mill and overlay along with reconstruction activity per the FAA P-401 Specification.
- **Taxiway Bravo** – Asphalt pavement mill and overlay activity per the FAA P-401 Specification.
- **Taxiway Bravo 2** – Asphalt pavement mill and overlay along with reconstruction activity per the FAA P-401 Specification.
- **Taxiway Bravo 4** – Asphalt pavement mill and overlay activity per the FAA P-401 Specification.
- **Taxiway Charlie 3** – 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

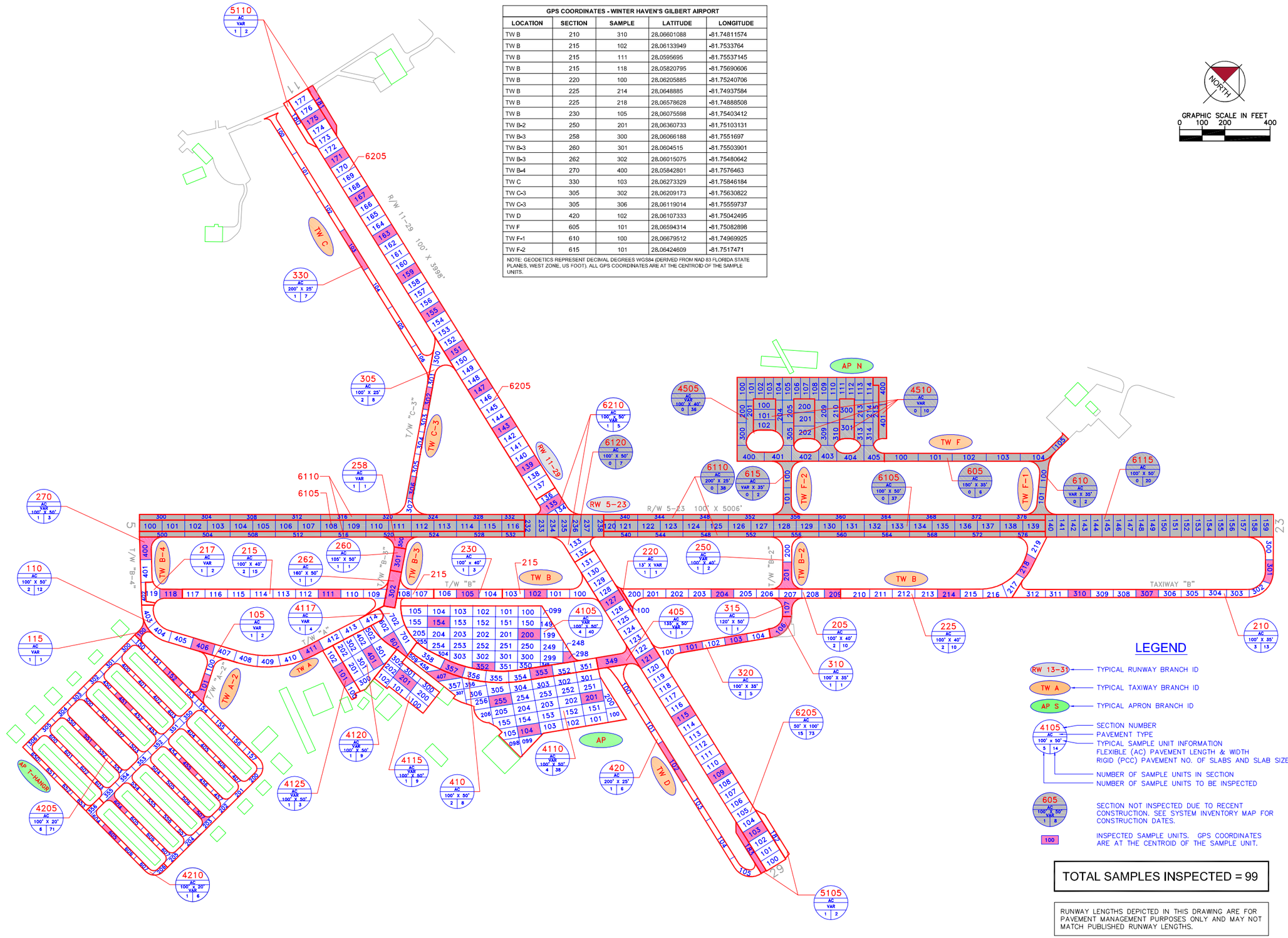
WORK HISTORY REPORT

GPS COORDINATES - WINTER HAVEN'S GILBERT AIRPORT				
LOCATION	SECTION	SAMPLE	LATITUDE	LONGITUDE
AP N	4505	102	28.06502915	-81.75319654
AP N	4505	105	28.06525749	-81.75292774
AP N	4505	110	28.06564625	-81.75248897
AP N	4505	200	28.06467412	-81.75314738
AP N	4505	205	28.06507261	-81.75269764
AP N	4505	213	28.06568248	-81.75200932
AP N	4510	201	28.06514346	-81.75246491
AP N	4510	400	28.06606009	-81.75197982
AP T-HANGR	4205	152	28.05750917	-81.75608421
AP T-HANGR	4205	451	28.05687704	-81.7563181
AP T-HANGR	4205	455	28.05687195	-81.7550643
AP T-HANGR	4205	507	28.05656125	-81.75448324
AP T-HANGR	4205	551	28.05625267	-81.75632132
AP T-HANGR	4205	604	28.05594663	-81.75537783
AP T-HANGR	4210	605	28.05563729	-81.7551637
AP	4105	154	28.06026574	-81.75404232
AP	4105	200	28.06093737	-81.75304781
AP	4105	298	28.06106915	-81.75245532
AP	4105	352	28.06027916	-81.75316531
AP	4110	104	28.06011161	-81.75212151
AP	4110	201	28.06093581	-81.75183016
AP	4110	255	28.06012334	-81.75268663
AP	4110	407	28.05985862	-81.753478
AP	4115	201	28.05947802	-81.75380435
AP	4117	601	28.05971424	-81.75421881
AP	4120	401	28.05939575	-81.75434046
AP	4125	101	28.0589955	-81.75445334
RW 5-23	6105	101	28.05881204	-81.75754071
RW 5-23	6105	107	28.05997909	-81.75622533
RW 5-23	6105	114	28.06134064	-81.75469069
RW 5-23	6105	122	28.06289667	-81.75293676
RW 5-23	6105	130	28.06445267	-81.75118278
RW 5-23	6105	135	28.065423	-81.75008519
RW 5-23	6110	312	28.05995476	-81.75641704
RW 5-23	6110	324	28.06111982	-81.75510127
RW 5-23	6110	348	28.06345585	-81.75247074
RW 5-23	6110	364	28.06501185	-81.75071674
RW 5-23	6110	504	28.05903087	-81.75712951
RW 5-23	6110	560	28.06447699	-81.7509908
RW 5-23	6110	572	28.06564397	-81.74967528
RW 5-23	6115	143	28.06664077	-81.74871604
RW 5-23	6115	155	28.06780773	-81.74740047
RW 5-23	6115	158	28.06809947	-81.74707157
RW 5-23	6120	233	28.06197277	-81.75397803
RW 5-23	6120	237	28.06236178	-81.75353954
RW 11-29	5105	183	28.06098919	-81.74885892
RW 11-29	5110	181	28.06367506	-81.76011697
RW 11-29	6205	103	28.06118466	-81.74895022
RW 11-29	6205	109	28.06137245	-81.74985602
RW 11-29	6205	115	28.06156022	-81.75076182
RW 11-29	6205	121	28.061748	-81.75166763
RW 11-29	6205	127	28.06192924	-81.75257446
RW 11-29	6205	139	28.06237386	-81.754687
RW 11-29	6205	143	28.06249902	-81.75529087
RW 11-29	6205	147	28.06262419	-81.75589475
RW 11-29	6205	151	28.06274934	-81.75649863
RW 11-29	6205	155	28.0628745	-81.75710252
RW 11-29	6205	159	28.06299965	-81.7577064
RW 11-29	6205	163	28.06312481	-81.75831029
RW 11-29	6205	167	28.06324995	-81.75891417
RW 11-29	6205	171	28.06337552	-81.75951862
RW 11-29	6205	175	28.06350024	-81.76012195
RW 11-29	6210	132	28.06211025	-81.75333124
RW 11-29	6210	135	28.0622059	-81.75409439
TW A	110	406	28.05802732	-81.75608906
TW A	110	411	28.05892787	-81.75500187
TW A	115	100	28.05765053	-81.75681964
TW A	310	106	28.06316033	-81.75066432
TW A	315	107	28.06343136	-81.75085226
TW A	320	101	28.06222006	-81.7513527
TW A	320	103	28.06266779	-81.75099237
TW A	405	349	28.06145473	-81.75195776
TW A	410	353	28.06071587	-81.75256124
TW A	410	357	28.05999136	-81.75345015
TW A-2	105	101	28.05769547	-81.75569056
TW B	205	204	28.06294554	-81.75157063
TW B	205	209	28.06389023	-81.75050442
TW B	210	301	28.06782858	-81.74648745
TW B	210	307	28.06659447	-81.74745808

NOTE: GEODETICS REPRESENT DECIMAL DEGREES WGS84 (DERIVED FROM NAD 83 FLORIDA STATE PLANES, WEST ZONE, US FOOT). ALL GPS COORDINATES ARE AT THE CENTROID OF THE SAMPLE UNITS.

GPS COORDINATES - WINTER HAVEN'S GILBERT AIRPORT				
LOCATION	SECTION	SAMPLE	LATITUDE	LONGITUDE
TW B	210	310	28.06601088	-81.74811574
TW B	215	102	28.06133949	-81.7533764
TW B	215	111	28.0595695	-81.75537145
TW B	215	118	28.05820795	-81.75690606
TW B	220	100	28.06205885	-81.75240706
TW B	225	214	28.0648885	-81.74937584
TW B	225	218	28.06578628	-81.74888508
TW B	230	105	28.06075598	-81.75403412
TW B-2	250	201	28.06360733	-81.75103131
TW B-3	258	300	28.06066188	-81.7551697
TW B-3	260	301	28.0604515	-81.75503901
TW B-3	262	302	28.06015075	-81.75480642
TW B-4	270	400	28.05842801	-81.7576463
TW C	330	103	28.06273329	-81.75846184
TW C-3	305	302	28.06209173	-81.75630822
TW C-3	305	306	28.06119014	-81.75559737
TW D	420	102	28.06107333	-81.75042495
TW F	605	101	28.06594314	-81.75082898
TW F-1	610	100	28.06679512	-81.74969925
TW F-2	615	101	28.06424609	-81.7517471

NOTE: GEODETICS REPRESENT DECIMAL DEGREES WGS84 (DERIVED FROM NAD 83 FLORIDA STATE PLANES, WEST ZONE, US FOOT). ALL GPS COORDINATES ARE AT THE CENTROID OF THE SAMPLE UNITS.



LEGEND

- RW 13-31 — TYPICAL RUNWAY BRANCH ID
- TW A — TYPICAL TAXIWAY BRANCH ID
- AP S — TYPICAL APRON BRANCH ID
- 4105 AC 100' X 50' 5 14
  - SECTION NUMBER
  - PAVEMENT TYPE
  - TYPICAL SAMPLE UNIT INFORMATION FLEXIBLE (AC) PAVEMENT LENGTH & WIDTH RIGID (PCC) PAVEMENT NO. OF SLABS AND SLAB SIZE
  - NUMBER OF SAMPLE UNITS IN SECTION
  - NUMBER OF SAMPLE UNITS TO BE INSPECTED
- 605 AC 100' X 50' VAR 1 8 — SECTION NOT INSPECTED DUE TO RECENT CONSTRUCTION. SEE SYSTEM INVENTORY MAP FOR CONSTRUCTION DATES.
- 100 — INSPECTED SAMPLE UNITS. GPS COORDINATES ARE AT THE CENTROID OF THE SAMPLE UNIT.

TOTAL SAMPLES INSPECTED = 99

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

NUMBER	DATE	REVISIONS

DESIGNED: FL | DRAWN: GB | CHECKED: | DATE: MAY 2011

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PLOTTED: July 13, 2011 – 4:03 PM, BY: Brantd, Megan

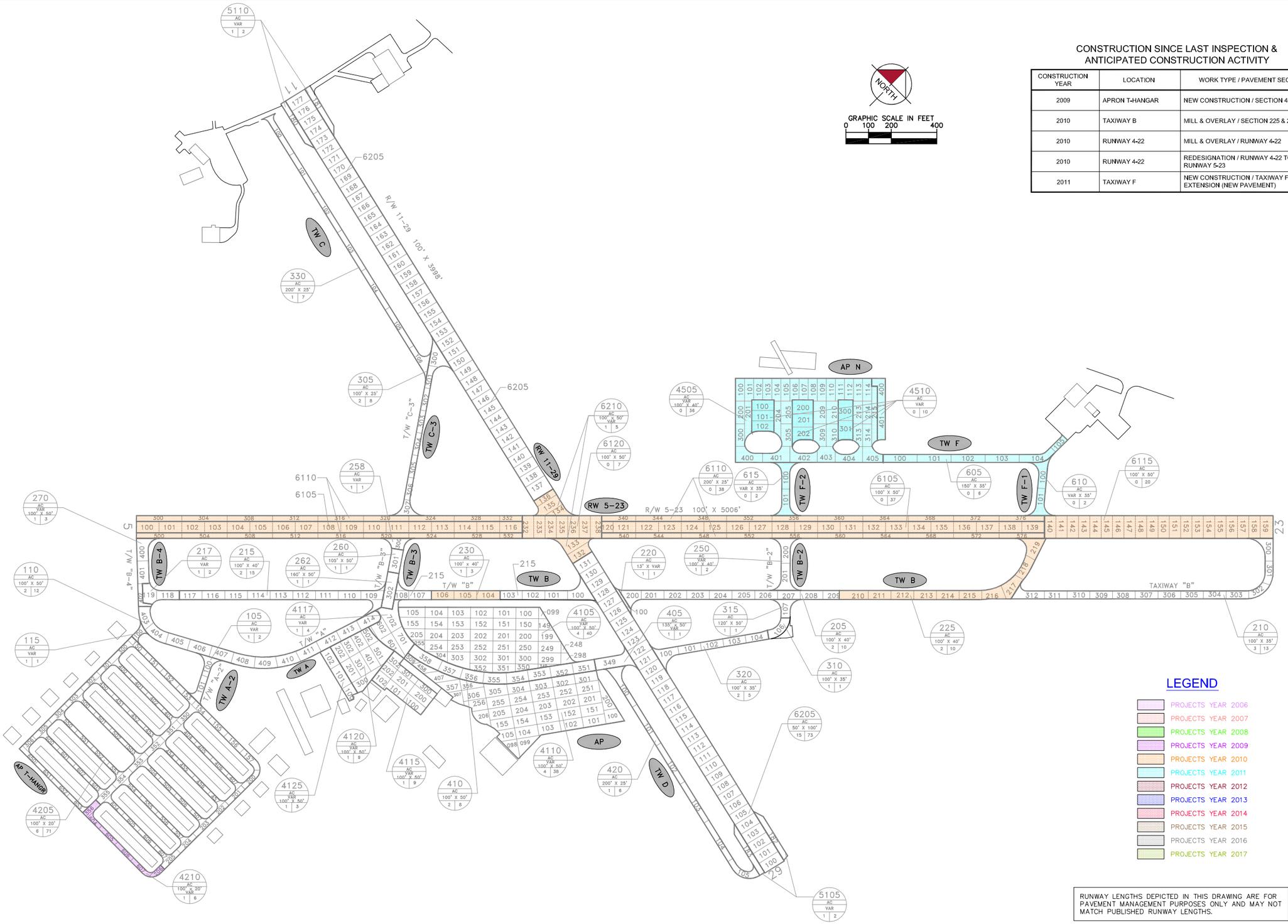
NETWORK DEFINITION MAP

WINTER HAVEN'S GILBERT AIRPORT
POLK COUNTY, FLORIDA

FLORIDA DEPARTMENT OF TRANSPORTATION - AVIATION OFFICE

IDENTIFIER GIF

FDOT DISTRICT 1



CONSTRUCTION SINCE LAST INSPECTION & ANTICIPATED CONSTRUCTION ACTIVITY

CONSTRUCTION YEAR	LOCATION	WORK TYPE / PAVEMENT SECTION
2009	APRON T-HANGAR	NEW CONSTRUCTION / SECTION 4210
2010	TAXIWAY B	MILL & OVERLAY / SECTION 225 & 230
2010	RUNWAY 4-22	MILL & OVERLAY / RUNWAY 4-22
2010	RUNWAY 4-22	REDESIGNATION / RUNWAY 4-22 TO RUNWAY 5-23
2011	TAXIWAY F	NEW CONSTRUCTION / TAXIWAY F EXTENSION (NEW PAVEMENT)

LEGEND

- PROJECTS YEAR 2006
- PROJECTS YEAR 2007
- PROJECTS YEAR 2008
- PROJECTS YEAR 2009
- PROJECTS YEAR 2010
- PROJECTS YEAR 2011
- PROJECTS YEAR 2012
- PROJECTS YEAR 2013
- PROJECTS YEAR 2014
- PROJECTS YEAR 2015
- PROJECTS YEAR 2016
- PROJECTS YEAR 2017

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

NUMBER	DATE	REVISIONS

DESIGNED: FL | DRAWN: GB | CHECKED: | DATE: MAY 2011

Q:\SI_FDOT_Revisions\SG_GIF\SG2-GIF-INVENTORY\SG2-GIF-INVENTORY.dwg PLOTTED: July 13, 2011 – 1:48 PM, BY: Brandt, Megan

SYSTEM INVENTORY MAP

WINTER HAVEN'S GILBERT AIRPORT
POLK COUNTY, FLORIDA

FLORIDA DEPARTMENT OF TRANSPORTATION - AVIATION OFFICE

IDENTIFIER: GIF

FDOT DISTRICT: 1

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 Area	AP	APRON	4105	250	650	172,125	P	AAC	1/1/1986	2/25/2011	40
Apron Area	AP	APRON	4110	680	250	169,518	P	AAC	1/1/1990	2/25/2011	38
Apron Area	AP	APRON	4115	250	130	35,625	P	AC	1/1/1960	2/25/2011	9
Apron Area	AP	APRON	4117	200	110	22,000	P	AC	1/1/1942	2/25/2011	4
Apron Area	AP	APRON	4120	200	200	42,000	P	AC	1/1/1980	2/25/2011	9
Apron Area	AP	APRON	4125	250	50	12,500	P	AC	1/1/1980	2/25/2011	3
Apron North	AP N	APRON	4505	1650	100	163,344	P	AC	1/1/2011	1/1/2011	36
Apron North	AP N	APRON	4510	405	100	41,540	P	AC	1/1/2011	1/1/2011	10
Apron T-Hangars Taxilanes	AP T-HANG	APRON	4205	6500	25	160,203	P	AC	1/1/1984	2/25/2011	71
Apron T-Hangars Taxilanes	AP T-HANG	APRON	4210	550	20	11,593	P	AC	1/1/2009	2/25/2011	6
Runway 11-29	RW 11-29	RUNWAY	6205	3,673	100	367,835	S	AAC	1/1/1997	2/25/2011	73
Runway 11-29	RW 11-29	RUNWAY	6210	214	100	22,193	S	AAC	1/1/2010	2/25/2011	5
Runway 5-23	RW 5-23	RUNWAY	6105	3,650	50	182,500	P	AAC	1/1/2010	1/1/2010	37
Runway 5-23	RW 5-23	RUNWAY	6110	3650	50	182,499	P	AAC	1/1/2010	1/1/2010	38
Runway 5-23	RW 5-23	RUNWAY	6115	1000	100	100,682	P	AC	1/1/2010	1/1/2010	20
Runway 5-23	RW 5-23	RUNWAY	6120	350	100	35,000	P	AAC	1/1/2010	1/1/2010	7
Taxiway	TW AP	TAXIWAY	405	135	50	7,532	P	AC	1/1/1942	2/25/2011	1
Taxiway	TW AP	TAXIWAY	410	880	50	44,000	P	AAC	1/1/1960	2/25/2011	8
Taxiway Alpha	TW A	TAXIWAY	110	11500	50	575,000	P	AAC	1/1/1997	2/25/2011	12
Taxiway Alpha	TW A	TAXIWAY	115	60	30	2,200	P	AC	1/1/1997	2/25/2011	1
Taxiway Alpha 2	TW A2	TAXIWAY	105	200	30	7,659	P	AC	1/1/1984	2/25/2011	2
Taxiway Bravo	TW B	TAXIWAY	205	975	40	39,416	P	AC	1/1/1985	2/25/2011	10
Taxiway Bravo	TW B	TAXIWAY	210	1,300	35	50,000	P	AC	1/1/1991	2/25/2011	13

Table A-1: Pavement Inventory (Continued)

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
Taxiway Bravo	TW B	TAXIWAY	215	1600	40	63,944	P	AC	1/1/1985	2/25/2011	15
Taxiway Bravo	TW B	TAXIWAY	217	175	40	7,000	P	AC	1/1/1985	2/25/2011	2
Taxiway Bravo	TW B	TAXIWAY	220	100	17	1,700	P	AAC	1/1/1997	2/25/2011	1
Taxiway Bravo	TW B	TAXIWAY	225	1014	45	45,386	P	AAC	1/1/2010	2/25/2011	10
Taxiway Bravo	TW B	TAXIWAY	230	300	40	12,120	P	AAC	1/1/2010	2/25/2011	3
Taxiway Bravo 2	TW B2	TAXIWAY	250	200	50	10,646	P	AC	1/1/1985	2/25/2011	2
Taxiway Bravo 2	TW B2	TAXIWAY	310	66	50	3,102	P	AAC	1/1/1970	2/25/2011	1
Taxiway Bravo 2	TW B2	TAXIWAY	315	120	50	6,192	P	AC	1/1/1985	2/25/2011	1
Taxiway Bravo 2	TW B2	TAXIWAY	320	500	50	26,000	P	AC	1/1/1942	2/25/2011	5
Taxiway Bravo 3	TW B3	TAXIWAY	258	50	50	2,975	P	AAC	1/1/1997	2/25/2011	1
Taxiway Bravo 3	TW B3	TAXIWAY	260	105	50	5,250	P	AAC	1/1/1997	2/25/2011	1
Taxiway Bravo 3	TW B3	TAXIWAY	262	160	50	8,000	P	AAC	1/1/1997	2/25/2011	1
Taxiway Bravo 4	TW B4	TAXIWAY	270	300	50	15,240	P	AAC	1/1/1997	2/25/2011	3
Taxiway Charlie	TW C	TAXIWAY	330	1325	25	34,255	P	AC	1/9/1998	2/25/2011	7
Taxiway Charlie 3	TW C3	TAXIWAY	305	800	50	39,150	P	AAC	1/1/1960	2/25/2011	8
Taxiway Delta	TW D	TAXIWAY	420	1070	25	29,677	P	AC	1/9/1998	2/25/2011	6
Taxiway Foxtrot	TW F	TAXIWAY	605	843	35	28,541	P	AC	1/1/2011	1/1/2011	6
Taxiway Foxtrot 1	TW F1	TAXIWAY	610	260	40	10,374	P	AC	1/1/2011	1/1/2011	2
Taxiway Foxtrot 2	TW F2	TAXIWAY	615	240	40	10,371	P	AC	1/1/2011	1/1/2011	2
Turnaround Apron RW 11-29	AP RW11-29	APRON	5105	200	60	12,500	P	AAC	1/1/1997	2/25/2011	2
Turnaround Apron RW 11-29	AP RW11-29	APRON	5110	200	55	11,000	P	AAC	1/1/1997	2/25/2011	2

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.

Network: GIF **Branch:** AP (APRON AREA) **Section:** 4105 **Surface:** AAC
L.C.D.: 01/01/1986 **Use:** APRON **Rank:** P **Length:** 250.00 Ft **Width:** 650.00 Ft **True Area:** 172,125.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1986	IMPORTED	OVERLAY		1.00	True	1986: 1" P-401 OVERLAY
01/01/1986	IMPORTED	OVERLAY			True	SOIL: SP
01/01/1973	IMPORTED	BUILT		1.50	True	1973: 1.5" P-401 ON 6" P-211

Network: GIF **Branch:** AP (APRON AREA) **Section:** 4110 **Surface:** AAC
L.C.D.: 01/01/1990 **Use:** APRON **Rank:** P **Length:** 680.00 Ft **Width:** 250.00 Ft **True Area:** 169,518.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/2010	SS-RE	Surface Seal - Rejuvenating	$0	0.00	False	
01/01/1990	IMPORTED	BUILT			True	ESTIMATE 1990 AC OVERLAY ON AC

Network: GIF **Branch:** AP (APRON AREA) **Section:** 4115 **Surface:** AC
L.C.D.: 01/01/1960 **Use:** APRON **Rank:** P **Length:** 250.00 Ft **Width:** 130.00 Ft **True Area:** 35,625.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1960	IMPORTED	BUILT			True	ESTIMATE 1960 AC PAVEMENT

Network: GIF **Branch:** AP (APRON AREA) **Section:** 4117 **Surface:** AC
L.C.D.: 01/01/1942 **Use:** APRON **Rank:** P **Length:** 200.00 Ft **Width:** 110.00 Ft **True Area:** 22,000.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1942	IMPORTED	BUILT			True	ESTIMATE 1942 AC PAVEMENT

Network: GIF **Branch:** AP (APRON AREA) **Section:** 4120 **Surface:** AC
L.C.D.: 01/01/1980 **Use:** APRON **Rank:** P **Length:** 200.00 Ft **Width:** 200.00 Ft **True Area:** 42,000.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1980	IMPORTED	BUILT			True	ESTIMATE 1980 AC PAVEMENT

Network: GIF **Branch:** AP (APRON AREA) **Section:** 4125 **Surface:** AC
L.C.D.: 01/01/1980 **Use:** APRON **Rank:** P **Length:** 250.00 Ft **Width:** 50.00 Ft **True Area:** 12,500.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1980	IMPORTED	BUILT			True	ESTIMATE 1980 AC PAVEMENT

Network: GIF **Branch:** AP N (APRON NORTH) **Section:** 4505 **Surface:** AC
L.C.D.: 01/01/2011 **Use:** APRON **Rank:** P **Length:** 1,650.00 Ft **Width:** 100.00 Ft **True Area:** 163,344.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/2011	INITIAL	Initial Construction	$0	0.00	True	

Network: GIF **Branch:** AP N (APRON NORTH) **Section:** 4510 **Surface:** AC
L.C.D.: 01/01/2011 **Use:** APRON **Rank:** P **Length:** 405.00 Ft **Width:** 100.00 Ft **True Area:** 41,540.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/2011	INITIAL	Initial Construction	$0	0.00	True	

Network: GIF **Branch:** AP RW11-29 (TURNAROUND APRON RW 11-29) **Section:** 5105 **Surface:** AAC
L.C.D.: 01/01/1997 **Use:** APRON **Rank:** P **Length:** 200.00 Ft **Width:** 60.00 Ft **True Area:** 12,500.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1997	IMPORTED	OVERLAY			True	1997 AC OVERLAY

01/01/1942	IMPORTED	BUILT			True	1942 AC PAVEMENT

Network: GIF **Branch:** AP RW11-29 (TURNAROUND APRON RW 11-29) **Section:** 5110 **Surface:** AAC
L.C.D.: 01/01/1997 **Use:** APRON **Rank:** P **Length:** 200.00 Ft **Width:** 55.00 Ft **True Area:** 11,000.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1997	IMPORTED	OVERLAY			True	1997 AC OVERLAY
01/01/1942	IMPORTED	BUILT			True	1942 AC PAVEMENT

Network: GIF **Branch:** AP T-HANG (APRON T-HANGARS TAXILANES) **Section:** 4205 **Surface:** AC
L.C.D.: 01/01/1984 **Use:** APRON **Rank:** P **Length:** 6,500.00 Ft **Width:** 25.00 Ft **True Area:** 160,203.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1984	IMPORTED	OVERLAY			True	SOIL: SP
01/01/1984	IMPORTED	BUILT		1.50	True	1984: 1.5" P-401 ON 6" P-211

Network: GIF **Branch:** AP T-HANG (APRON T-HANGARS TAXILANES) **Section:** 4210 **Surface:** AC
L.C.D.: 01/01/2009 **Use:** APRON **Rank:** P **Length:** 550.00 Ft **Width:** 20.00 Ft **True Area:** 11,593.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/2009	INITIAL	Initial Construction	$0	0.00	True	

Network: GIF **Branch:** RW 11-29 (RUNWAY 11-29) **Section:** 6205 **Surface:** AAC
L.C.D.: 01/01/1997 **Use:** RUNWAY **Rank:** S **Length:** 3,673.00 Ft **Width:** 100.00 Ft **True Area:** 367,835.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1997	IMPORTED	OVERLAY			True	1997 AC OVERLAY
01/01/1965	IMPORTED	OVERLAY			True	ESTIMATE 1965 AC OVERLAY
01/01/1942	IMPORTED	BUILT			True	1942 AC PAVEMENT

Network: GIF **Branch:** RW 11-29 (RUNWAY 11-29) **Section:** 6210 **Surface:** AAC
L.C.D.: 01/01/2010 **Use:** RUNWAY **Rank:** S **Length:** 214.00 Ft **Width:** 100.00 Ft **True Area:** 22,193.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/2010	ML-OL	Mill and Overlay	$0	0.00	True	
01/01/1997	INITIAL	Initial Construction	$0	0.00	True	

Network: GIF **Branch:** RW 5-23 (RUNWAY 5-23) **Section:** 6105 **Surface:** AAC
L.C.D.: 01/01/2010 **Use:** RUNWAY **Rank:** P **Length:** 3,650.00 Ft **Width:** 50.00 Ft **True Area:** 182,500.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/2010	ML-OL	Mill and Overlay	$0	0.00	True	
01/01/1985	IMPORTED	BUILT		3.00	True	1985: 3" P-401 OVERLAY
01/01/1985	IMPORTED	OVERLAY			True	SOIL: SP
01/01/1942	IMPORTED	OVERLAY		2.00	True	ASSUME: 1942 2" AC ON 8" LIME ROCK BASE

Network: GIF **Branch:** RW 5-23 (RUNWAY 5-23) **Section:** 6110 **Surface:** AAC
L.C.D.: 01/01/2010 **Use:** RUNWAY **Rank:** P **Length:** 3,650.00 Ft **Width:** 50.00 Ft **True Area:** 182,499.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/2010	ML-OL	Mill and Overlay	$0	0.00	True	
01/01/1985	IMPORTED	OVERLAY			True	ASSUME: 1985 P-401 OVERLAY
01/01/1942	IMPORTED	BUILT		2.00	True	ASSUME: 1942 2" AC ON 8" LIME ROCK BASE

Network: GIF **Branch:** RW 5-23 (RUNWAY 5-23) **Section:** 6115 **Surface:** AC
L.C.D.: 01/01/2010 **Use:** RUNWAY **Rank:** P **Length:** 1,000.00 Ft **Width:** 100.00 Ft **True Area:** 100,682.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/2010	ML-OL	Mill and Overlay	$0	0.00	True	
01/01/1991	IMPORTED	BUILT		1.50	True	1991: 1.5" P-401 ON 8" P-211 ON 6" SUBBASE
01/01/1991	IMPORTED	OVERLAY			True	SOIL: SP

Network: GIF **Branch:** RW 5-23 (RUNWAY 5-23) **Section:** 6120 **Surface:** AAC
L.C.D.: 01/01/2010 **Use:** RUNWAY **Rank:** P **Length:** 350.00 Ft **Width:** 100.00 Ft **True Area:** 35.000.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/2010	ML-OL	Mill and Overlay	$0	0.00	True	
01/01/1997	IMPORTED	OVERLAY			True	1997 AC OVERLAY
01/01/1985	IMPORTED	OVERLAY		3.00	True	1985 3" TAPERED AC OVERLAY
01/01/1960	IMPORTED	OVERLAY			True	1960'S AC OVERLAY
01/01/1942	IMPORTED	BUILT			True	1942 AC PAVEMENT

Network: GIF **Branch:** TW A (TAXIWAY A) **Section:** 110 **Surface:** AAC
L.C.D.: 01/01/1997 **Use:** TAXIWAY **Rank:** P **Length:** 11,500.00 Ft **Width:** 50.00 Ft **True Area:** 575,000.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1997	IMPORTED	OVERLAY			True	1997 AC OVERLAY
01/01/1942	IMPORTED	BUILT		2.00	True	1942 2" AC ON 8" LIMEROCK

Network: GIF **Branch:** TW A (TAXIWAY A) **Section:** 115 **Surface:** AC
L.C.D.: 01/01/1997 **Use:** TAXIWAY **Rank:** P **Length:** 60.00 Ft **Width:** 30.00 Ft **True Area:** 2,200.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1997	IMPORTED	BUILT			True	1997 AC PAVEMENT

Network: GIF **Branch:** TW A2 (TAXIWAY A2) **Section:** 105 **Surface:** AC
L.C.D.: 01/01/1984 **Use:** TAXIWAY **Rank:** P **Length:** 200.00 Ft **Width:** 30.00 Ft **True Area:** 7,659.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1984	IMPORTED	OVERLAY			True	SOIL: SP
01/01/1984	IMPORTED	BUILT		1.50	True	1984: 1.5" P-401 ON 6" P-211

Network: GIF **Branch:** TW AP (TAXIWAY) **Section:** 405 **Surface:** AC
L.C.D.: 01/01/1942 **Use:** TAXIWAY **Rank:** P **Length:** 135.00 Ft **Width:** 50.00 Ft **True Area:** 7,532.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1942	IMPORTED	BUILT			True	ESTIMATE 1942 AC PAVEMENT

Network: GIF **Branch:** TW AP (TAXIWAY) **Section:** 410 **Surface:** AAC
L.C.D.: 01/01/1960 **Use:** TAXIWAY **Rank:** P **Length:** 880.00 Ft **Width:** 50.00 Ft **True Area:** 44.000.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1960	IMPORTED	BUILT			True	ESTIMATE 1960 AC SURFACE - ASSUME AC OVERLAY ON EXISTING AC

Network: GIF **Branch:** TW B (TAXIWAY B) **Section:** 205 **Surface:** AC
L.C.D.: 01/01/1985 **Use:** TAXIWAY **Rank:** P **Length:** 975.00 Ft **Width:** 40.00 Ft **True Area:** 39.416.00 SqF

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

01/01/1985	IMPORTED	BUILT		2.00	True	1985: 2" P-401 ON 6" P-211 ON 11" P-154
01/01/1985	IMPORTED	OVERLAY			True	SOIL: SP

Network: GIF **Branch:** TW B (TAXIWAY B) **Section:** 210 **Surface:** AC
L.C.D.: 01/01/1991 **Use:** TAXIWAY **Rank:** P **Length:** 1,300.00 Ft **Width:** 35.00 Ft **True Area:** 50,000.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1993	IMPORTED	REPAIR			False	THIS PAVEMENT WAS LESS THAN 2 YEARS OLD DURING 1993 PCI SURVEY AND WAS
01/01/1991	IMPORTED	OVERLAY			True	SOIL: SP
01/01/1991	IMPORTED	BUILT		1.50	True	1991: 1.5" P-401 ON 8" P-211 ON 6" SUBBASE

Network: GIF **Branch:** TW B (TAXIWAY B) **Section:** 215 **Surface:** AC
L.C.D.: 01/01/1985 **Use:** TAXIWAY **Rank:** P **Length:** 1,600.00 Ft **Width:** 40.00 Ft **True Area:** 63,944.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1985	IMPORTED	BUILT			True	ESTIMATE 1985 AC PAVEMENT

Network: GIF **Branch:** TW B (TAXIWAY B) **Section:** 217 **Surface:** AC
L.C.D.: 01/01/1985 **Use:** TAXIWAY **Rank:** P **Length:** 175.00 Ft **Width:** 40.00 Ft **True Area:** 7,000.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1985	IMPORTED	BUILT		2.00	True	ASSUME: 1985 2" P-401 ON 6" P-211 ON 11" P-154

Network: GIF **Branch:** TW B (TAXIWAY B) **Section:** 220 **Surface:** AAC
L.C.D.: 01/01/1997 **Use:** TAXIWAY **Rank:** P **Length:** 100.00 Ft **Width:** 17.00 Ft **True Area:** 1,700.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1997	IMPORTED	OVERLAY			True	1997 AC OVERLAY
01/01/1985	IMPORTED	BUILT		2.00	True	1985 2" P401 ON 6" P211 ON 11" P154

Network: GIF **Branch:** TW B (TAXIWAY B) **Section:** 225 **Surface:** AAC
L.C.D.: 01/01/2010 **Use:** TAXIWAY **Rank:** P **Length:** 1,014.00 Ft **Width:** 45.00 Ft **True Area:** 45,386.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/2010	ML-OL	Mill and Overlay	$0	0.00	True	
01/01/1985	INITIAL	Initial Construction	$0	0.00	True	

Network: GIF **Branch:** TW B (TAXIWAY B) **Section:** 230 **Surface:** AAC
L.C.D.: 01/01/2010 **Use:** TAXIWAY **Rank:** P **Length:** 300.00 Ft **Width:** 40.00 Ft **True Area:** 12,120.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/2010	ML-OL	Mill and Overlay	$0	0.00	True	
01/01/1985	INITIAL	Initial Construction	$0	0.00	True	

Network: GIF **Branch:** TW B2 (TAXIWAY B2) **Section:** 250 **Surface:** AC
L.C.D.: 01/01/1985 **Use:** TAXIWAY **Rank:** P **Length:** 200.00 Ft **Width:** 50.00 Ft **True Area:** 10,646.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1985	IMPORTED	BUILT		2.00	True	1985: 2" P-401 ON 6" P-211 ON 11" P-154
01/01/1985	IMPORTED	OVERLAY			True	SOIL: SP

Network: GIF **Branch:** TW B2 (TAXIWAY B2) **Section:** 310 **Surface:** AAC
L.C.D.: 01/01/1970 **Use:** TAXIWAY **Rank:** P **Length:** 66.00 Ft **Width:** 50.00 Ft **True Area:** 3,102.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1970	IMPORTED	BUILT			True	ESTIMATE 1970 AC PAVEMENT

Network: GIF **Branch:** TW B2 (TAXIWAY B2) **Section:** 315 **Surface:** AC
L.C.D.: 01/01/1985 **Use:** TAXIWAY **Rank:** P **Length:** 120.00 Ft **Width:** 50.00 Ft **True Area:** 6,192.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1985	IMPORTED	BUILT			True	1985 AC PAVEMENT

Network: GIF **Branch:** TW B2 (TAXIWAY B2) **Section:** 320 **Surface:** AC
L.C.D.: 01/01/1942 **Use:** TAXIWAY **Rank:** P **Length:** 500.00 Ft **Width:** 50.00 Ft **True Area:** 26,000.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1942	IMPORTED	BUILT			True	ESTIMATE ORIGINAL 1942 AC PAVEMENT

Network: GIF **Branch:** TW B3 (TAXIWAY B3) **Section:** 258 **Surface:** AAC
L.C.D.: 01/01/1997 **Use:** TAXIWAY **Rank:** P **Length:** 50.00 Ft **Width:** 50.00 Ft **True Area:** 2,975.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1997	IMPORTED	OVERLAY			True	1997 AC OVERLAY
01/01/1965	IMPORTED	OVERLAY			True	1965 AC OVERLAY
01/01/1942	IMPORTED	BUILT			True	1942 AC PAVEMENT

Network: GIF **Branch:** TW B3 (TAXIWAY B3) **Section:** 260 **Surface:** AAC
L.C.D.: 01/01/1997 **Use:** TAXIWAY **Rank:** P **Length:** 105.00 Ft **Width:** 50.00 Ft **True Area:** 5,250.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1997	IMPORTED	OVERLAY			True	1997 AC OVERLAY
01/01/1942	IMPORTED	BUILT			True	1942 AC PAVEMENT

Network: GIF **Branch:** TW B3 (TAXIWAY B3) **Section:** 262 **Surface:** AAC
L.C.D.: 01/01/1997 **Use:** TAXIWAY **Rank:** P **Length:** 160.00 Ft **Width:** 50.00 Ft **True Area:** 8,000.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1997	IMPORTED	OVERLAY			True	1997 AC OVERLAY
01/01/1965	IMPORTED	OVERLAY			True	1965 AC OVERLAY
01/01/1942	IMPORTED	BUILT			True	1942 AC PAVEMENT

Network: GIF **Branch:** TW B4 (TAXIWAY B4) **Section:** 270 **Surface:** AAC
L.C.D.: 01/01/1997 **Use:** TAXIWAY **Rank:** P **Length:** 300.00 Ft **Width:** 50.00 Ft **True Area:** 15,240.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1997	IMPORTED	OVERLAY			True	1997 AC OVERLAY
01/01/1985	IMPORTED	BUILT			True	1985 AC PAVEMENT

Network: GIF **Branch:** TW C (TAXIWAY C) **Section:** 330 **Surface:** AC
L.C.D.: 01/09/1998 **Use:** TAXIWAY **Rank:** P **Length:** 1,325.00 Ft **Width:** 25.00 Ft **True Area:** 34,255.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/09/1998	NC-AC	New Construction - AC	$0	0.00	True	

Network: GIF **Branch:** TW C3 (TAXIWAY C3) **Section:** 305 **Surface:** AAC
L.C.D.: 01/01/1960 **Use:** TAXIWAY **Rank:** P **Length:** 800.00 Ft **Width:** 50.00 Ft **True Area:** 39,150.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1960	IMPORTED	OVERLAY			True	ESTIMATE 1960 AC OVERLAY
01/01/1942	IMPORTED	BUILT		2.00	True	ASSUME: 1942 2" AC ON 8" LIME ROCK BASE

Network: GIF **Branch:** TW D (TAXIWAY D) **Section:** 420 **Surface:** AC
L.C.D.: 01/09/1998 **Use:** TAXIWAY **Rank:** P **Length:** 1,070.00 Ft **Width:** 25.00 Ft **True Area:** 29,677.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/09/1998	NC-AC	New Construction - AC	$0	0.00	True	

Network: GIF **Branch:** TW F (TAXIWAY F) **Section:** 605 **Surface:** AC
L.C.D.: 01/01/2011 **Use:** TAXIWAY **Rank:** P **Length:** 843.00 Ft **Width:** 35.00 Ft **True Area:** 28,541.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/2011	INITIAL	Initial Construction	$0	0.00	True	

Network: GIF **Branch:** TW F1 (TAXIWAY F1) **Section:** 610 **Surface:** AC
L.C.D.: 01/01/2011 **Use:** TAXIWAY **Rank:** P **Length:** 260.00 Ft **Width:** 40.00 Ft **True Area:** 10,374.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/2011	INITIAL	Initial Construction	$0	0.00	True	

Network: GIF **Branch:** TW F2 (TAXIWAY F2) **Section:** 615 **Surface:** AC
L.C.D.: 01/01/2011 **Use:** TAXIWAY **Rank:** P **Length:** 240.00 Ft **Width:** 40.00 Ft **True Area:** 10,371.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/2011	INITIAL	Initial Construction	$0	0.00	True	

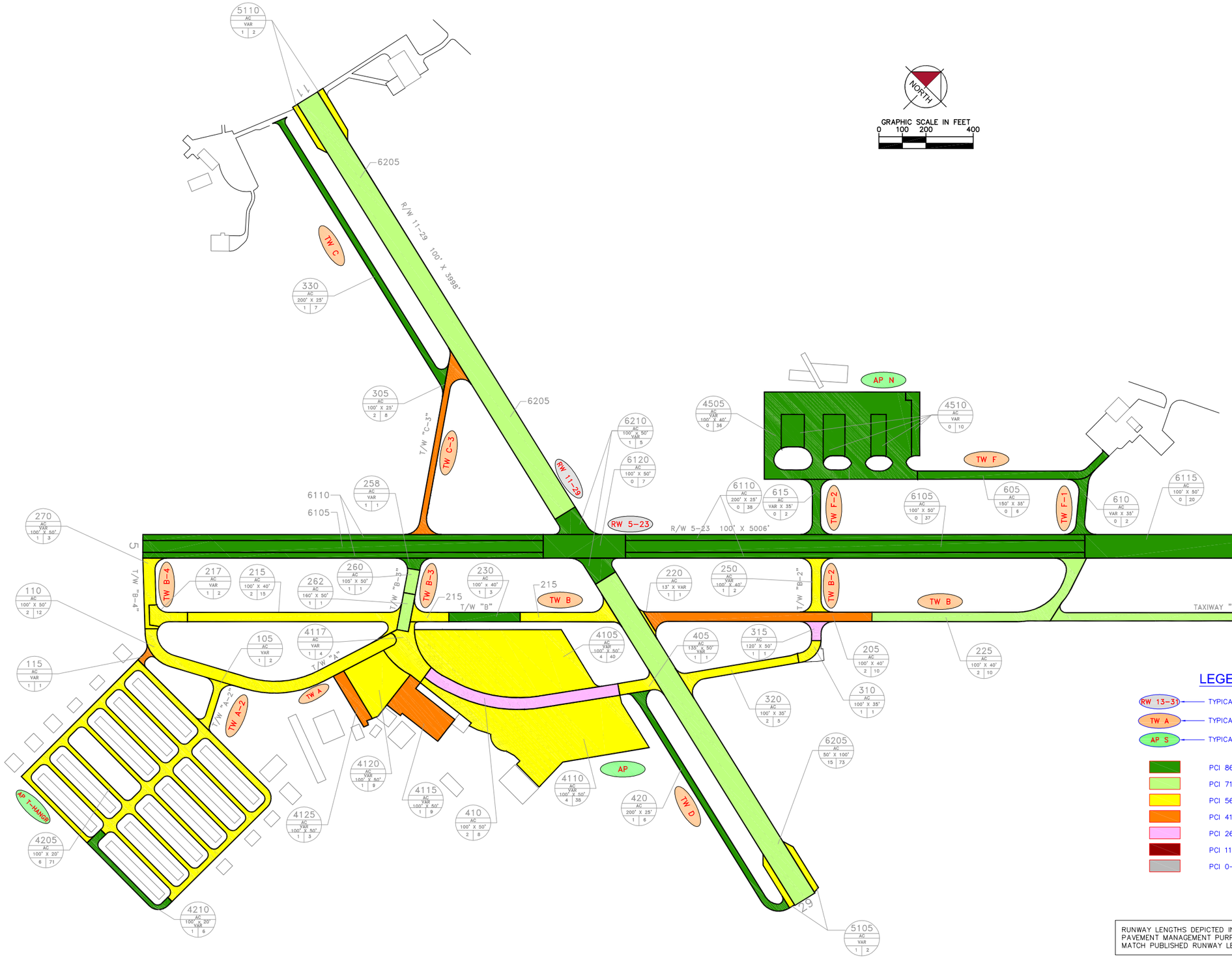
Summary:

Work Description	Section Count	Area Total (SqFt)	Thickness Avg (in)	Thickness STD (in)
BUILT	33	2,420,993.00	1.88	.42
Initial Construction	9	345,462.00	.00	.00
Mill and Overlay	7	580,380.00	.00	.00
New Construction - AC	2	63,932.00	.00	.00
OVERLAY	27	2,782,815.00	2.00	1.00
REPAIR	1	50,000.00		
Surface Seal - Rejuvenating	1	169,518.00	.00	

STD = Standard Deviation

APPENDIX B

2011 CONDITION MAP
PAVEMENT CONDITION INDEX TABLE



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

NUMBER	DATE	REVISIONS

DESIGNED:	FL	DRAWN:	GB	CHECKED:		DATE:	MAY 2011

G:\S_FDOT_Aviation\21_GIF\203-GIF-CONDITION\203-GIF-CONDITION.dwg
PLOTTED: July 13, 2011 - 1:53 PM, BY: Brandt, Megan

2011 CONDITION MAP

WINTER HAVEN'S GILBERT AIRPORT
POLK COUNTY, FLORIDA

FLORIDA DEPARTMENT OF TRANSPORTATION - AVIATION OFFICE

IDENTIFIER: GIF
FDOT DISTRICT: 1

Table B-1: Pavement Condition Index

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 Area	AP	APRON	4105	172,125	P	AAC	4	40	63	Fair
Apron Area	AP	APRON	4110	169,518	P	AAC	4	38	62	Fair
Apron Area	AP	APRON	4115	35,625	P	AC	1	9	54	Poor
Apron Area	AP	APRON	4117	22,000	P	AC	1	4	68	Fair
Apron Area	AP	APRON	4120	42,000	P	AC	1	9	61	Fair
Apron Area	AP	APRON	4125	12,500	P	AC	1	3	52	Poor
Apron North	AP N	APRON	4505	163,344	P	AC	0	36	100	Good
Apron North	AP N	APRON	4510	41,540	P	AC	0	10	100	Good
Apron T-Hangars Taxilanes	AP T-HANG	APRON	4205	160,203	P	AC	6	71	62	Fair
Apron T-Hangars Taxilanes	AP T-HANG	APRON	4210	11,593	P	AC	1	6	100	Good
Runway 11-29	RW 11-29	RUNWAY	6205	367,835	S	AAC	15	73	79	Satisfactory
Runway 11-29	RW 11-29	RUNWAY	6210	22,193	S	AAC	1	5	96	Good
Runway 5-23	RW 5-23	RUNWAY	6105	182,500	P	AAC	0	37	100	Good
Runway 5-23	RW 5-23	RUNWAY	6110	182,499	P	AAC	0	38	100	Good
Runway 5-23	RW 5-23	RUNWAY	6115	100,682	P	AC	0	20	100	Good
Runway 5-23	RW 5-23	RUNWAY	6120	35,000	P	AAC	0	7	100	Good
Taxiway	TW AP	TAXIWAY	405	7,532	P	AC	1	1	61	Fair
Taxiway	TW AP	TAXIWAY	410	44,000	P	AAC	2	8	35	Very Poor
Taxiway Alpha	TW A	TAXIWAY	110	575,000	P	AAC	2	12	70	Fair
Taxiway Alpha	TW A	TAXIWAY	115	2,200	P	AC	1	1	55	Poor
Taxiway Alpha 2	TW A2	TAXIWAY	105	7,659	P	AC	1	2	69	Fair
Taxiway Bravo	TW B	TAXIWAY	205	39,416	P	AC	2	10	44	Poor
Taxiway Bravo	TW B	TAXIWAY	210	50,000	P	AC	3	13	78	Satisfactory

Table B-1: Pavement Condition Index (Continued)

Branch Name	Branch ID	Branch Use	Section ID	True Area (ft^2)	Section Rank	Surface Type	Total Samples Inspected	Total Samples	PCI	PCI Category
Taxiway Bravo	TW B	TAXIWAY	215	63,944	P	AC	2	15	66	Fair
Taxiway Bravo	TW B	TAXIWAY	217	7,000	P	AC	1	2	60	Fair
Taxiway Bravo	TW B	TAXIWAY	220	1,700	P	AAC	1	1	62	Fair
Taxiway Bravo	TW B	TAXIWAY	225	45,386	P	AAC	2	10	82	Satisfactory
Taxiway Bravo	TW B	TAXIWAY	230	12,120	P	AAC	1	3	90	Good
Taxiway Bravo 2	TW B2	TAXIWAY	250	10,646	P	AC	1	2	62	Fair
Taxiway Bravo 2	TW B2	TAXIWAY	310	3,102	P	AAC	1	1	58	Fair
Taxiway Bravo 2	TW B2	TAXIWAY	315	6,192	P	AC	1	1	31	Very Poor
Taxiway Bravo 2	TW B2	TAXIWAY	320	26,000	P	AC	2	5	60	Fair
Taxiway Bravo 3	TW B3	TAXIWAY	258	2,975	P	AAC	1	1	92	Good
Taxiway Bravo 3	TW B3	TAXIWAY	260	5,250	P	AAC	1	1	73	Satisfactory
Taxiway Bravo 3	TW B3	TAXIWAY	262	8,000	P	AAC	1	1	75	Satisfactory
Taxiway Bravo 4	TW B4	TAXIWAY	270	15,240	P	AAC	1	3	64	Fair
Taxiway Charlie	TW C	TAXIWAY	330	34,255	P	AC	1	7	98	Good
Taxiway Charlie 3	TW C3	TAXIWAY	305	39,150	P	AAC	2	8	54	Poor
Taxiway Delta	TW D	TAXIWAY	420	29,677	P	AC	1	6	85	Satisfactory
Taxiway Foxtrot	TW F	TAXIWAY	605	28,541	P	AC	0	6	100	Good
Taxiway Foxtrot 1	TW F1	TAXIWAY	610	10,374	P	AC	0	2	100	Good
Taxiway Foxtrot 2	TW F2	TAXIWAY	615	10,371	P	AC	0	2	100	Good
Turnaround Apron RW 11-29	AP RW11-29	APRON	5105	12,500	P	AAC	1	2	56	Fair
Turnaround Apron RW 11-29	AP RW11-29	APRON	5110	11,000	P	AAC	1	2	60	Fair

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: 6 /15/2011

Branch Condition Report

Pavement Database: NetworkID: GIF

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 AREA)	6	1,830.00	231.67	453,768.00	APRON	60.00	5.45	61.67
AP N (APRON NORTH)	2	2,055.00	100.00	204,884.00	APRON	100.00	0.00	100.00
AP RW11-29 (TURNAROUND APRON RW 11-29)	2	400.00	57.50	23,500.00	APRON	58.00	2.00	57.87
AP T-HANG (APRON T-HANGARS TAXILANES)	2	7,050.00	22.50	171,796.00	APRON	81.00	19.00	64.56
RW 11-29 (RUNWAY 11-29)	2	3,887.00	100.00	390,028.00	RUNWAY	87.50	8.50	79.97
RW 5-23 (RUNWAY 5-23)	4	8,650.00	75.00	500,681.00	RUNWAY	100.00	0.00	100.00
TW A (TAXIWAY A)	2	11,560.00	40.00	577,200.00	TAXIWAY	62.50	7.50	69.94
TW A2 (TAXIWAY A2)	1	200.00	30.00	7,659.00	TAXIWAY	69.00	0.00	69.00
TW AP (TAXIWAY)	2	1,015.00	50.00	51,532.00	TAXIWAY	48.00	13.00	38.80
TW B (TAXIWAY B)	7	5,464.00	36.71	219,566.00	TAXIWAY	68.86	14.42	69.19
TW B2 (TAXIWAY B2)	4	886.00	50.00	45,940.00	TAXIWAY	52.75	12.64	56.42
TW B3 (TAXIWAY B3)	3	315.00	50.00	16,225.00	TAXIWAY	80.00	8.52	77.47
TW B4 (TAXIWAY B4)	1	300.00	50.00	15,240.00	TAXIWAY	64.00	0.00	64.00
TW C (TAXIWAY C)	1	1,325.00	25.00	34,255.00	TAXIWAY	98.00	0.00	98.00
TW C3 (TAXIWAY C3)	1	800.00	50.00	39,150.00	TAXIWAY	54.00	0.00	54.00
TW D (TAXIWAY D)	1	1,070.00	25.00	29,677.00	TAXIWAY	85.00	0.00	85.00

Branch Condition Report

Pavement Database: NetworkID: GIF

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
TW F (TAXIWAY F)	1	843.00	35.00	28,541.00	TAXIWAY	100.00	0.00	100.00
TW F1 (TAXIWAY F1)	1	260.00	40.00	10,374.00	TAXIWAY	100.00	0.00	100.00
TW F2 (TAXIWAY F2)	1	240.00	40.00	10,371.00	TAXIWAY	100.00	0.00	100.00

Use Category	Number of Sections	Total Area (SqFt)	Arithmetic Average PCI	Average PCI STD.	Weighted Average PCI
APRON	12	853,948.00	69.83	17.88	71.35
RUNWAY	6	890,709.00	95.83	7.67	91.23
TAXIWAY	26	1,085,730.00	70.15	18.96	69.85
All	44	2,830,387.00	73.57	19.64	77.03

STD = Standard Deviation

Date: 6 /15/2011

Section Condition Report

Pavement Database: *NetworkID: GIF*

Branch ID	Section ID	Last Const. Date	Surface	Use	Rank	Lanes	True Area (SqFt)	Last Inspection Date	Age At Inspection	PCI
AP (APRON AREA)	4105	01/01/1986	AAC	APRON	P	0	172,125.00	02/25/2011	25	63.00
AP (APRON AREA)	4110	01/01/1990	AAC	APRON	P	0	169,518.00	02/25/2011	21	62.00
AP (APRON AREA)	4115	01/01/1960	AC	APRON	P	0	35,625.00	02/25/2011	51	54.00
AP (APRON AREA)	4117	01/01/1942	AC	APRON	P	0	22,000.00	02/25/2011	69	68.00
AP (APRON AREA)	4120	01/01/1980	AC	APRON	P	0	42,000.00	02/25/2011	31	61.00
AP (APRON AREA)	4125	01/01/1980	AC	APRON	P	0	12,500.00	02/25/2011	31	52.00
AP N (APRON NORTH)	4505	01/01/2011	AC	APRON	P	0	163,344.00	01/01/2011	0	100.00
AP N (APRON NORTH)	4510	01/01/2011	AC	APRON	P	0	41,540.00	01/01/2011	0	100.00
AP RW11-29 (TURNAROUND APRON RW 11-29)	5105	01/01/1997	AAC	APRON	P	0	12,500.00	02/25/2011	14	56.00
AP RW11-29 (TURNAROUND APRON RW 11-29)	5110	01/01/1997	AAC	APRON	P	0	11,000.00	02/25/2011	14	60.00
AP T-HANG (APRON T-HANGARS TAXILANES)	4205	01/01/1984	AC	APRON	P	0	160,203.00	02/25/2011	27	62.00
AP T-HANG (APRON T-HANGARS TAXILANES)	4210	01/01/2009	AC	APRON	P	0	11,593.00	02/25/2011	2	100.00
RW 11-29 (RUNWAY 11-29)	6205	01/01/1997	AAC	RUNWAY	S	0	367,835.00	02/25/2011	14	79.00
RW 11-29 (RUNWAY 11-29)	6210	01/01/2010	AAC	RUNWAY	S	0	22,193.00	02/25/2011	1	96.00
RW 5-23 (RUNWAY 5-23)	6105	01/01/2010	AAC	RUNWAY	P	0	182,500.00	01/01/2010	0	100.00
RW 5-23 (RUNWAY 5-23)	6110	01/01/2010	AAC	RUNWAY	P	0	182,499.00	01/01/2010	0	100.00
RW 5-23 (RUNWAY 5-23)	6115	01/01/2010	AC	RUNWAY	P	0	100,682.00	01/01/2010	0	100.00
RW 5-23 (RUNWAY 5-23)	6120	01/01/2010	AAC	RUNWAY	P	0	35,000.00	01/01/2010	0	100.00
TW A (TAXIWAY A)	110	01/01/1997	AAC	TAXIWAY	P	0	575,000.00	02/25/2011	14	70.00
TW A (TAXIWAY A)	115	01/01/1997	AC	TAXIWAY	P	0	2,200.00	02/25/2011	14	55.00
TW A2 (TAXIWAY A2)	105	01/01/1984	AC	TAXIWAY	P	0	7,659.00	02/25/2011	27	69.00
TW AP (TAXIWAY)	405	01/01/1942	AC	TAXIWAY	P	0	7,532.00	02/25/2011	69	61.00
TW AP (TAXIWAY)	410	01/01/1960	AAC	TAXIWAY	P	0	44,000.00	02/25/2011	51	35.00
TW B (TAXIWAY B)	205	01/01/1985	AC	TAXIWAY	P	0	39,416.00	02/25/2011	26	44.00
TW B (TAXIWAY B)	210	01/01/1991	AC	TAXIWAY	P	0	50,000.00	02/25/2011	20	78.00
TW B (TAXIWAY B)	215	01/01/1985	AC	TAXIWAY	P	0	63,944.00	02/25/2011	26	66.00

Section Condition Report

Pavement Database: *NetworkID: GIF*

Branch ID	Section ID	Last Const. Date	Surface	Use	Rank	Lanes	True Area (SqFt)	Last Inspection Date	Age At Inspection	PCI
TW B (TAXIWAY B)	217	01/01/1985	AC	TAXIWAY	P	0	7,000.00	02/25/2011	26	60.00
TW B (TAXIWAY B)	220	01/01/1997	AAC	TAXIWAY	P	0	1,700.00	02/25/2011	14	62.00
TW B (TAXIWAY B)	225	01/01/2010	AAC	TAXIWAY	P	0	45,386.00	02/25/2011	1	82.00
TW B (TAXIWAY B)	230	01/01/2010	AAC	TAXIWAY	P	0	12,120.00	02/25/2011	1	90.00
TW B2 (TAXIWAY B2)	250	01/01/1985	AC	TAXIWAY	P	0	10,646.00	02/25/2011	26	62.00
TW B2 (TAXIWAY B2)	310	01/01/1970	AAC	TAXIWAY	P	0	3,102.00	02/25/2011	41	58.00
TW B2 (TAXIWAY B2)	315	01/01/1985	AC	TAXIWAY	P	0	6,192.00	02/25/2011	26	31.00
TW B2 (TAXIWAY B2)	320	01/01/1942	AC	TAXIWAY	P	0	26,000.00	02/25/2011	69	60.00
TW B3 (TAXIWAY B3)	258	01/01/1997	AAC	TAXIWAY	P	0	2,975.00	02/25/2011	14	92.00
TW B3 (TAXIWAY B3)	260	01/01/1997	AAC	TAXIWAY	P	0	5,250.00	02/25/2011	14	73.00
TW B3 (TAXIWAY B3)	262	01/01/1997	AAC	TAXIWAY	P	0	8,000.00	02/25/2011	14	75.00
TW B4 (TAXIWAY B4)	270	01/01/1997	AAC	TAXIWAY	P	0	15,240.00	02/25/2011	14	64.00
TW C (TAXIWAY C)	330	01/09/1998	AC	TAXIWAY	P	0	34,255.00	02/24/2011	13	98.00
TW C3 (TAXIWAY C3)	305	01/01/1960	AAC	TAXIWAY	P	0	39,150.00	02/25/2011	51	54.00
TW D (TAXIWAY D)	420	01/09/1998	AC	TAXIWAY	P	0	29,677.00	02/24/2011	13	85.00
TW F (TAXIWAY F)	605	01/01/2011	AC	TAXIWAY	P	0	28,541.00	01/01/2011	0	100.00
TW F1 (TAXIWAY F1)	610	01/01/2011	AC	TAXIWAY	P	0	10,374.00	01/01/2011	0	100.00
TW F2 (TAXIWAY F2)	615	01/01/2011	AC	TAXIWAY	P	0	10,371.00	01/01/2011	0	100.00

Section Condition Report

Pavement Database:

Age Category	Average Age At Inspection	Total Area (SqFt)	Number of Sections	Arithmetic Average PCI	PCI Standard Deviation	Weighted Average PCI
0-02	0.38	846,143.00	13	97.54	5.27	98.79
11-15	13.83	1,065,632.00	12	72.42	13.41	74.14
16-20	20.00	50,000.00	1	78.00	0.00	78.00
21-25	23.00	341,643.00	2	62.50	0.50	62.50
26-30	26.29	295,060.00	7	56.29	12.68	59.95
31-35	31.00	54,500.00	2	56.50	4.50	58.94
over 40	57.29	177,409.00	7	55.71	9.54	52.27
All	20.09	2,830,387.00	44	73.57	19.64	77.03

APPENDIX D

PAVEMENT CONDITION PREDICTION TABLE
PREDICTED PCI BY PAVEMENT USE GRAPH

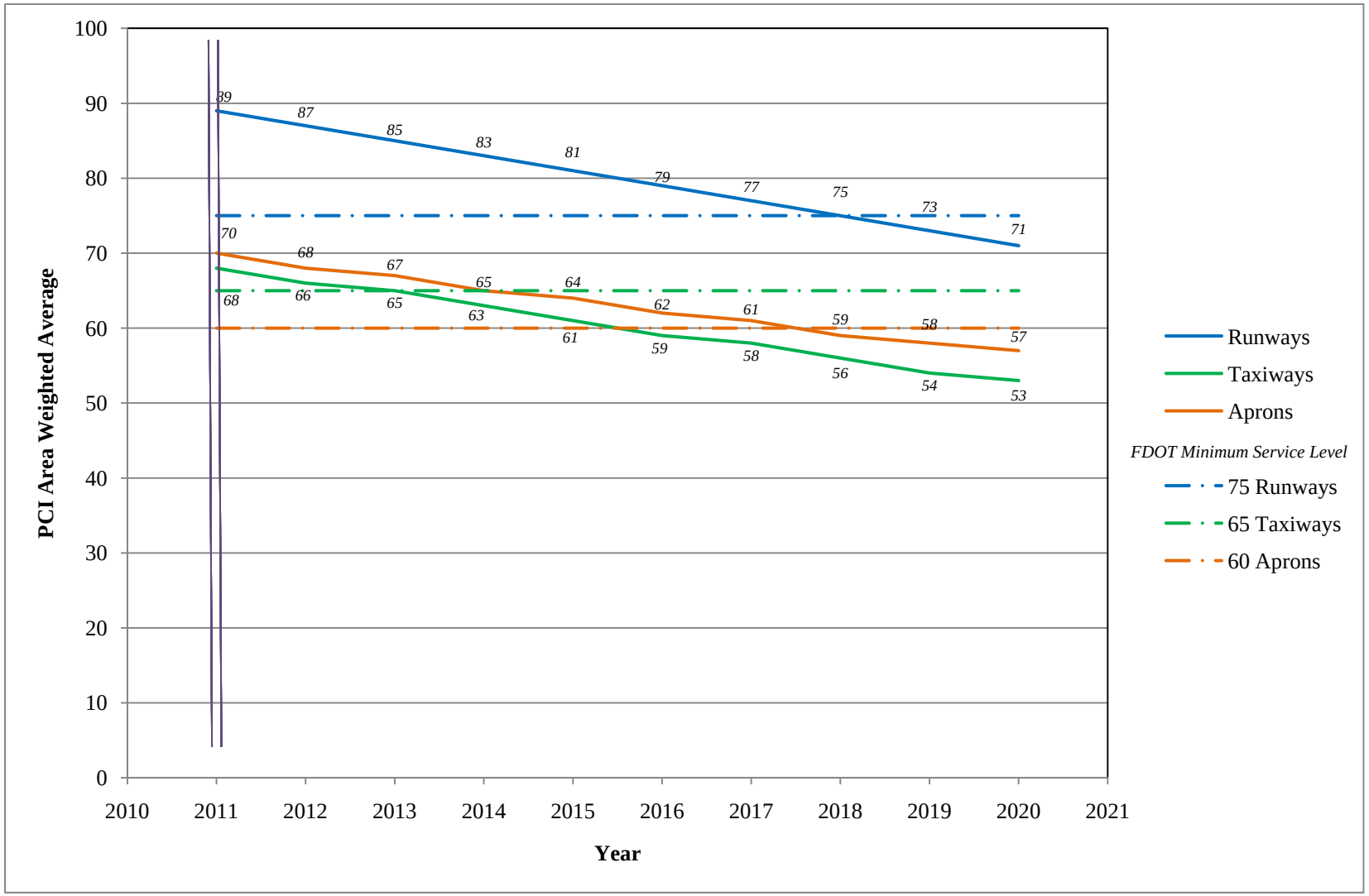
Table D-1: Pavement Condition Prediction

Branch Name	Branch ID	Section ID	Current PCI	PCI Forecast									
				2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Apron Area	AP	4105	63	62	61	59	58	56	55	53	52	50	49
Apron Area	AP	4110	62	61	60	58	57	55	54	52	51	49	48
Apron Area	AP	4115	54	53	52	51	49	48	46	45	43	42	40
Apron Area	AP	4117	68	67	66	65	63	62	60	59	57	56	54
Apron Area	AP	4120	61	60	59	58	56	55	53	52	50	49	47
Apron Area	AP	4125	52	51	50	49	47	46	44	43	41	40	38
Apron North	AP N	4505	100	99	98	96	95	93	92	91	89	88	86
Apron North	AP N	4510	100	99	98	96	95	93	92	91	89	88	86
Turnaround Apron RW 11-29	AP RW11-29	5105	56	55	54	53	51	50	48	47	46	44	43
Turnaround Apron RW 11-29	AP RW11-29	5110	60	59	58	56	55	53	52	50	49	48	46
Apron T-Hangars Taxilanes	AP T-HANG	4205	62	61	60	59	57	56	54	53	51	50	48
Apron T-Hangars Taxilanes	AP T-HANG	4210	100	99	98	97	95	94	92	91	89	88	86
Runway 11-29	RW 11-29	6205	79	78	76	74	72	71	69	67	65	63	61
Runway 11-29	RW 11-29	6210	96	95	93	91	89	88	86	84	82	80	78
Runway 5-23	RW 5-23	6105	100	97	95	93	91	89	87	85	83	81	80
Runway 5-23	RW 5-23	6110	100	97	95	93	91	89	87	85	83	81	80
Runway 5-23	RW 5-23	6115	100	97	95	93	91	89	87	85	83	81	80
Runway 5-23	RW 5-23	6120	100	97	95	93	91	89	87	85	83	81	80
Taxiway Alpha	TW A	110	70	69	68	66	64	62	61	59	57	55	54
Taxiway Alpha	TW A	115	55	54	53	51	49	48	46	44	42	41	39
Taxiway Alpha 2	TW A2	105	69	68	67	65	63	62	60	58	56	55	53
Taxiway	TW AP	405	61	60	59	57	55	54	52	50	48	47	45
Taxiway	TW AP	410	35	34	33	31	29	27	26	24	22	20	19

Table D-1: Pavement Condition Prediction (Continued)

Branch Name	Branch ID	Section ID	Current PCI	PCI Forecast									
				2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Taxiway Bravo	TW B	205	44	43	42	40	38	37	35	33	31	30	28
Taxiway Bravo	TW B	210	78	77	76	74	72	71	69	67	65	64	62
Taxiway Bravo	TW B	215	66	65	64	62	60	59	57	55	53	52	50
Taxiway Bravo	TW B	217	60	59	58	56	54	53	51	49	47	46	44
Taxiway Bravo	TW B	220	62	61	60	58	56	54	53	51	49	47	46
Taxiway Bravo	TW B	225	82	81	80	78	76	74	73	71	69	67	66
Taxiway Bravo	TW B	230	90	89	88	86	84	82	81	79	77	75	74
Taxiway Bravo 2	TW B2	250	62	61	60	58	56	55	53	51	49	48	46
Taxiway Bravo 2	TW B2	310	58	57	56	54	52	50	49	47	45	43	42
Taxiway Bravo 2	TW B2	315	31	30	29	27	25	24	22	20	18	17	15
Taxiway Bravo 2	TW B2	320	60	59	58	56	54	53	51	49	47	46	44
Taxiway Bravo 3	TW B3	258	92	91	90	88	86	84	83	81	79	77	76
Taxiway Bravo 3	TW B3	260	73	72	71	69	67	65	64	62	60	58	57
Taxiway Bravo 3	TW B3	262	75	74	73	71	69	67	66	64	62	60	59
Taxiway Bravo 4	TW B4	270	64	63	62	60	58	56	55	53	51	49	48
Taxiway Charlie	TW C	330	98	97	96	94	92	91	89	87	85	84	82
Taxiway Charlie 3	TW C3	305	54	53	52	50	48	46	45	43	41	39	38
Taxiway Delta	TW D	420	85	84	83	81	79	78	76	74	72	71	69
Taxiway Foxtrot	TW F	605	100	99	97	96	94	92	91	89	87	85	84
Taxiway Foxtrot 1	TW F1	610	100	99	97	96	94	92	91	89	87	85	84
Taxiway Foxtrot 2	TW F2	615	100	99	97	96	94	92	91	89	87	85	84

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
Apron Area	AP	4105	WEATH/RAVEL	L	Surface Seal - Rejuvenating	172,125.00	SqFt	$0.40	$68,850.57
Apron Area	AP	4110	BLOCK CR	M	Crack Sealing - AC	4,441.30	Ft	$2.25	$9,992.94
Apron Area	AP	4110	WEATH/RAVEL	L	Surface Seal - Rejuvenating	124,884.60	SqFt	$0.40	$49,954.24
Apron Area	AP	4115	WEATH/RAVEL	L	Surface Seal - Rejuvenating	35,625.00	SqFt	$0.40	$14,250.12
Apron Area	AP	4117	WEATH/RAVEL	L	Surface Seal - Rejuvenating	6,820.00	SqFt	$0.40	$2,728.02
Apron Area	AP	4120	WEATH/RAVEL	L	Surface Seal - Rejuvenating	42,000.00	SqFt	$0.40	$16,800.14
Apron Area	AP	4125	WEATH/RAVEL	L	Surface Seal - Rejuvenating	12,500.00	SqFt	$0.40	$5,000.04
Apron Area	AP	4125	ALLIGATOR CR	M	Patching - AC Deep	133.60	SqFt	$4.90	$654.50
Turnaround Apron RW 11-29	AP RW11-29	5105	WEATH/RAVEL	L	Surface Seal - Rejuvenating	3,888.90	SqFt	$0.40	$1,555.57
Turnaround Apron RW 11-29	AP RW11-29	5110	WEATH/RAVEL	L	Surface Seal - Rejuvenating	2,591.10	SqFt	$0.40	$1,036.45
Apron T-Hangars Taxilanes	AP T-HANG	4205	WEATH/RAVEL	L	Surface Seal - Rejuvenating	135,861.00	SqFt	$0.40	$54,344.85
Apron T-Hangars Taxilanes	AP T-HANG	4205	SHOVING	M	Grinding(Localized)	1,131.20	SqFt	$2.10	$2,375.54
Taxiway Bravo 4	TW B4	270	WEATH/RAVEL	L	Surface Seal - Rejuvenating	701.00	SqFt	$0.40	$280.42
Taxiway Charlie 3	TW C3	305	WEATH/RAVEL	H	Microsurfacing - AC	783.00	SqFt	$0.65	$508.95
Taxiway Charlie 3	TW C3	305	WEATH/RAVEL	L	Surface Seal - Rejuvenating	37,732.80	SqFt	$0.40	$15,093.23
Taxiway Charlie 3	TW C3	305	WEATH/RAVEL	M	Surface Seal - Coat Tar	634.20	SqFt	$0.40	$253.69
Taxiway Delta	TW D	420	WEATH/RAVEL	L	Surface Seal - Rejuvenating	7,122.40	SqFt	$0.40	$2,848.99
Runway 11-29	RW 11-29	6205	WEATH/RAVEL	L	Surface Seal - Rejuvenating	62,808.30	SqFt	$0.40	$25,123.53
Runway 11-29	RW 11-29	6205	L & T CR	M	Crack Sealing - AC	646.40	Ft	$2.25	$1,454.51
Runway 11-29	RW 11-29	6210	WEATH/RAVEL	L	Surface Seal - Rejuvenating	133.80	SqFt	$0.40	$53.50
Taxiway Alpha	TW A	110	L & T CR	M	Crack Sealing - AC	1,610.00	Ft	$2.25	$3,622.51
Taxiway Alpha	TW A	110	WEATH/RAVEL	M	Surface Seal - Coat Tar	690.00	SqFt	$0.40	$276.00
Taxiway Alpha	TW A	110	WEATH/RAVEL	L	Surface Seal - Rejuvenating	110,975.00	SqFt	$0.40	$44,390.37
Taxiway Alpha	TW A	115	WEATH/RAVEL	L	Surface Seal - Rejuvenating	194.90	SqFt	$0.40	$77.94

Table E-1: Year 1 Maintenance Activities (Continued)

Branch Name	Branch ID	Section ID	Distress Description	Distress Severity	Work Description	Work Quantity	Work Unit	Unit Cost	Work Cost
Taxiway Alpha 2	TW A2	105	WEATH/RAVEL	L	Surface Seal - Rejuvenating	7,659.00	SqFt	$0.40	$3,063.63
Taxiway	TW AP	405	WEATH/RAVEL	L	Surface Seal - Rejuvenating	7,532.00	SqFt	$0.40	$3,012.83
Taxiway	TW AP	410	WEATH/RAVEL	L	Surface Seal - Rejuvenating	43,384.00	SqFt	$0.40	$17,353.74
Taxiway	TW AP	410	BLOCK CR	M	Crack Sealing - AC	9,787.50	Ft	$2.25	$22,021.89
Taxiway	TW AP	410	WEATH/RAVEL	M	Surface Seal - Coat Tar	616.00	SqFt	$0.40	$246.40
Taxiway Bravo	TW B	205	WEATH/RAVEL	L	Surface Seal - Rejuvenating	27,392.10	SqFt	$0.40	$10,956.92
Taxiway Bravo	TW B	205	WEATH/RAVEL	M	Surface Seal - Coat Tar	28,032.80	SqFt	$0.40	$11,213.22
Taxiway Bravo	TW B	210	WEATH/RAVEL	L	Surface Seal - Rejuvenating	16,690.50	SqFt	$0.40	$6,676.25
Taxiway Bravo	TW B	215	WEATH/RAVEL	L	Surface Seal - Rejuvenating	53,920.80	SqFt	$0.40	$21,568.50
Taxiway Bravo	TW B	215	WEATH/RAVEL	M	Surface Seal - Coat Tar	3,679.20	SqFt	$0.40	$1,471.69
Taxiway Bravo	TW B	217	WEATH/RAVEL	H	Microsurfacing - AC	21.00	SqFt	$0.65	$13.65
Taxiway Bravo	TW B	217	WEATH/RAVEL	L	Surface Seal - Rejuvenating	6,333.30	SqFt	$0.40	$2,533.32
Taxiway Bravo	TW B	217	WEATH/RAVEL	M	Surface Seal - Coat Tar	645.80	SqFt	$0.40	$258.30
Taxiway Bravo	TW B	220	WEATH/RAVEL	L	Surface Seal - Rejuvenating	1,176.90	SqFt	$0.40	$470.77
Taxiway Bravo	TW B	225	WEATH/RAVEL	L	Surface Seal - Rejuvenating	4,410.90	SqFt	$0.40	$1,764.37
Taxiway Bravo	TW B	230	WEATH/RAVEL	L	Surface Seal - Rejuvenating	720.00	SqFt	$0.40	$288.00
Taxiway Bravo 2	TW B2	250	WEATH/RAVEL	L	Surface Seal - Rejuvenating	8,729.70	SqFt	$0.40	$3,491.92
Taxiway Bravo 2	TW B2	250	WEATH/RAVEL	M	Surface Seal - Coat Tar	1,916.30	SqFt	$0.40	$766.52
Taxiway Bravo 2	TW B2	310	WEATH/RAVEL	L	Surface Seal - Rejuvenating	1,528.80	SqFt	$0.40	$611.54
Taxiway Bravo 2	TW B2	315	WEATH/RAVEL	M	Surface Seal - Coat Tar	4,952.60	SqFt	$0.40	$1,981.04
Taxiway Bravo 2	TW B2	315	WEATH/RAVEL	H	Microsurfacing - AC	1.00	SqFt	$0.65	$0.67
Taxiway Bravo 2	TW B2	315	WEATH/RAVEL	L	Surface Seal - Rejuvenating	1,238.40	SqFt	$0.40	$495.36
Taxiway Bravo 2	TW B2	320	WEATH/RAVEL	L	Surface Seal - Rejuvenating	26,000.00	SqFt	$0.40	$10,400.09

Table E-1: Year 1 Maintenance Activities (Continued)

Branch Name	Branch ID	Section ID	Distress Description	Distress Severity	Work Description	Work Quantity	Work Unit	Unit Cost	Work Cost
Taxiway Bravo 3	TW B3	258	WEATH/RAVEL	L	Surface Seal - Rejuvenating	26.80	SqFt	$0.40	$10.72
Taxiway Bravo 3	TW B3	260	DEPRESSION	M	Patching - AC Deep	40.50	SqFt	$4.90	$198.67
Taxiway Bravo 3	TW B3	260	WEATH/RAVEL	L	Surface Seal - Rejuvenating	1,260.00	SqFt	$0.40	$504.00
Taxiway Bravo 3	TW B3	262	WEATH/RAVEL	L	Surface Seal - Rejuvenating	1,011.00	SqFt	$0.40	$404.40
								Total =	$443,305.03

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 Area	4105	AAC	172,125. SqFt	$494,687.58	62	Mill and Overlay	100
2011	Apron Area	4110	AAC	169,518. SqFt	$533,473.52	61	Mill and Overlay	100
2011	Apron Area	4115	AC	35,625. SqFt	$193,408.17	53	Mill and Overlay	100
2011	Apron Area	4120	AC	42,000. SqFt	$143,640.10	60	Mill and Overlay	100
2011	Apron Area	4125	AC	12,500. SqFt	$75,037.51	51	Mill and Overlay	100
2011	Turnaround Apron RW 11-29	5105	AAC	12,500. SqFt	$60,687.52	55	Mill and Overlay	100
2011	Turnaround Apron RW 11-29	5110	AAC	11,000. SqFt	$40,777.02	59	Mill and Overlay	100
2011	Apron T-Hangars Taxilanes	4205	AC	160,203. SqFt	$504,159.20	61	Mill and Overlay	100
2011	Taxiway Alpha	115	AC	2,200. SqFt	$11,312.40	54	Mill and Overlay	100
2011	Taxiway	405	AC	7,532. SqFt	$25,759.46	60	Mill and Overlay	100
2011	Taxiway	410	AAC	44,000. SqFt	$470,272.14	34	Reconstruction	100
2011	Taxiway Bravo	205	AC	39,416. SqFt	$247,926.66	43	Mill and Overlay	100
2011	Taxiway Bravo	217	AC	7,000. SqFt	$25,949.02	59	Mill and Overlay	100
2011	Taxiway Bravo	220	AAC	1,700. SqFt	$5,349.90	61	Mill and Overlay	100
2011	Taxiway Bravo 2	250	AC	10,646. SqFt	$33,502.99	61	Mill and Overlay	100
2011	Taxiway Bravo 2	310	AAC	3,102. SqFt	$13,279.67	57	Mill and Overlay	100
2011	Taxiway Bravo 2	315	AC	6,192. SqFt	$84,335.07	30	Reconstruction	100
2011	Taxiway Bravo 2	320	AC	26,000. SqFt	$96,382.06	59	Mill and Overlay	100
2011	Taxiway Bravo 4	270	AAC	15,240. SqFt	$39,639.26	63	Mill and Overlay	100
2011	Taxiway Charlie 3	305	AAC	39,150. SqFt	$212,545.40	53	Mill and Overlay	100
2012	Taxiway Bravo	215	AC	63,944. SqFt	$153,327.58	64	Mill and Overlay	100
2014	Apron Area	4117	AC	22,000. SqFt	$62,528.06	63	Mill and Overlay	100
2014	Taxiway Alpha	110	AAC	575,000. SqFt	$1,462,725.28	64	Mill and Overlay	100

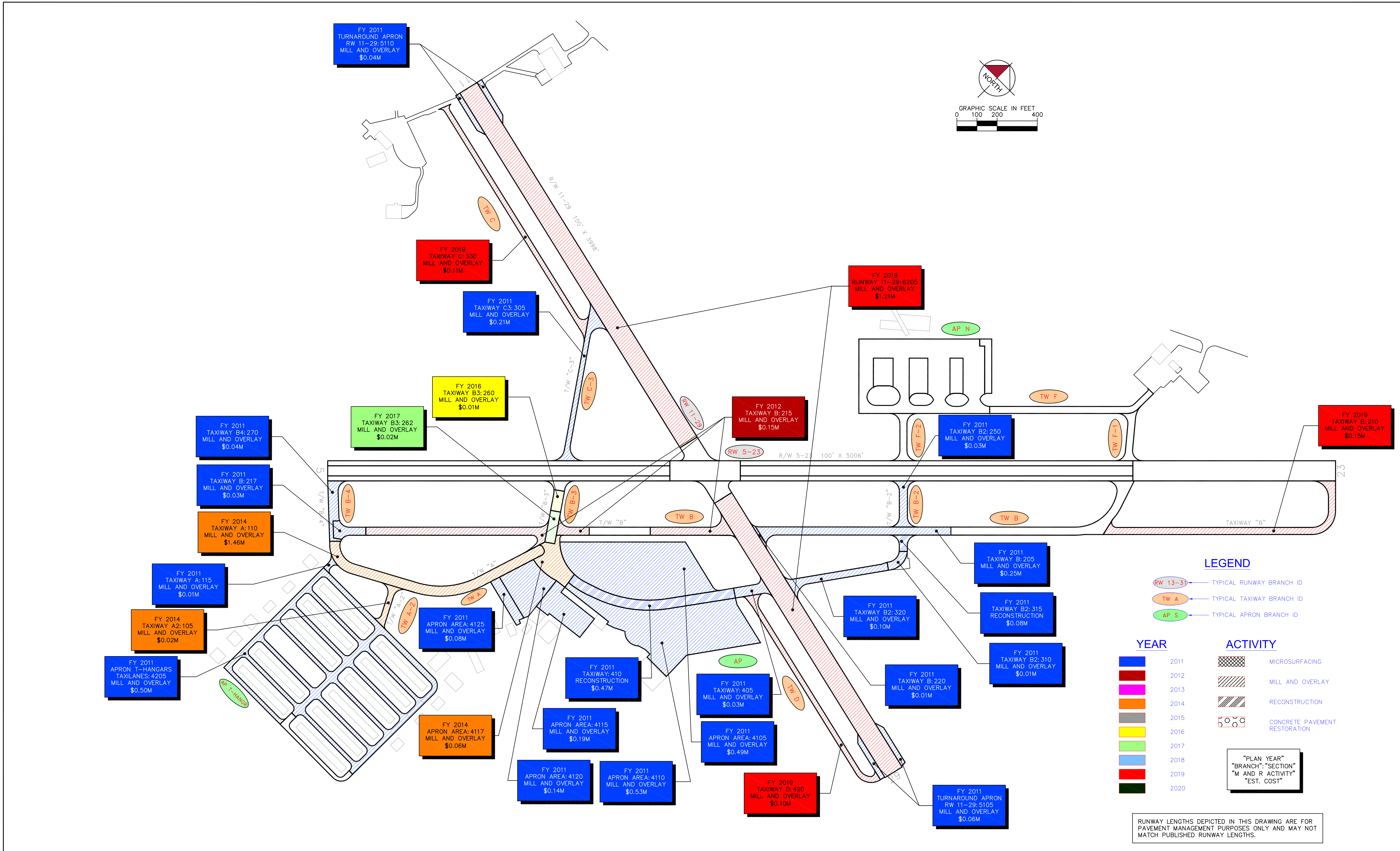
Table F-1: Major M&R Plan by Year under Unlimited Funding Scenario (Continued)

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
2014	Taxiway Alpha 2	105	AC	7,659. SqFt	$21,768.29	63	Mill and Overlay	100
2016	Taxiway Bravo 3	260	AAC	5,250. SqFt	$14,168.66	64	Mill and Overlay	100
2017	Taxiway Bravo 3	262	AAC	8,000. SqFt	$22,238.04	64	Mill and Overlay	100
2019	Runway 11-29	6205	AAC	367,835. SqFt	$1,211,968.88	63	Mill and Overlay	100
2019	Taxiway Bravo	210	AC	50,000. SqFt	$147,452.13	64	Mill and Overlay	100
				Total	**$6,408,301.57**	**57**		**100**

* Costs are adjusted for inflation.

APPENDIX G

10-YEAR M&R MAP



NUMBER	DATE	REVISIONS

DESIGNED: FL DRAWN: GB CHECKED: DATE: MAY 2011

10-YEAR M & R MAP

WINTER HAVEN'S GILBERT AIRPORT
POLK COUNTY, FLORIDA

FLORIDA DEPARTMENT OF TRANSPORTATION - AVIATION OFFICE

IDENTIFIER GIF

FDOT DISTRICT 1

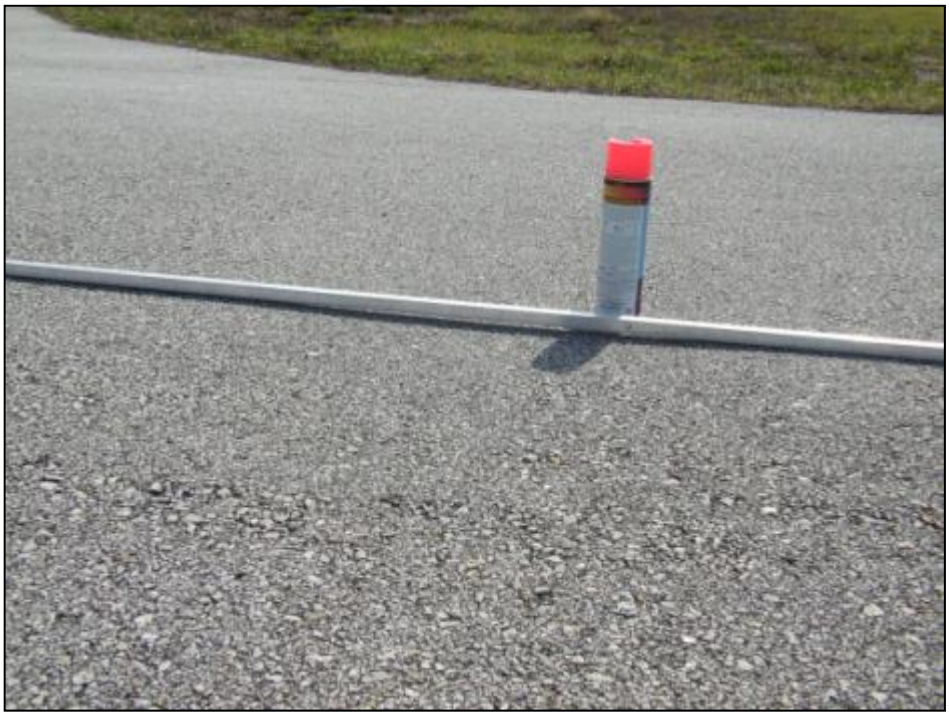
APPENDIX H

PHOTOGRAPHS

Runway 11-29, Section 6205, Sample Unit 103 − Low severity (48) Longitudinal and Transverse Cracking, low severity (50) Patching, low severity (52) Weathering and Raveling.

Runway 11-29, Section 6205, Sample Unit 103 − Low severity (48) Longitudinal and Transverse Cracking, low severity (50) Patching, low severity (52) Weathering and Raveling.

Runway 11-29, Section 5105, Sample Unit 183 – Low severity (43) Block Cracking, low severity (48) Longitudinal and Transverse Cracking, low severity (52) Weathering and Raveling, low severity (56) Swelling.



Taxiway Delta, Section 405, Sample Unit 349 − Low severity (43) Block Cracking, low severity (45) Depression, low severity (52) Weathering and Raveling.

Taxiway Bravo, Section 220, Sample Unit 100 – Low severity (45) Depression, low severity (48) Longitudinal and Transverse Cracking, low severity (52) Weathering and Raveling, low severity (56) Swelling.

Taxiway Bravo 3, Section 260, Sample Unit 301 − Medium severity (45) Depression, low severity (48) Longitudinal and Transverse Cracking, low severity (50) Patching, low severity (52) Weathering and Raveling.

Taxiway Alpha, Section 110, Sample Unit 406 – Low and medium severity (48) Longitudinal and Transverse Cracking, low and medium severity (52) Weathering and Raveling.

Apron Area, Section 4125, Sample Unit 101 – Medium severity (41) Alligator Cracking, low severity (45) Depression, low severity (48) Longitudinal and Transverse Cracking, low severity (52) Weathering and Raveling, low severity (56) Swelling.

Apron Area, Section 410, Sample Unit 353 − Low and medium severity (43) Block Cracking, low severity (48) Longitudinal and Transverse Cracking, low and medium severity (52) Weathering and Raveling.

Taxiway Bravo 2, Section 315, Sample Unit 107 – Low severity (48) Longitudinal and Transverse Cracking, low severity (50) Patching, low to high severity (52) Weathering and Raveling.

APPENDIX I

PCI RE-INSPECTION REPORT

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: AP Name: APRON AREA Use: APRON Area: 453,768.00SqFt

Section: 4105 of 6 From: - To: - Last Const.: 1/1/1986
Surface: AAC Family: FDOT-GA-AP-AAC Zone: Category: Rank: P
Area: 172,125.00SqFt Length: 250.00Ft Width: 650.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date2/25/2011 Total Samples: 40 Surveyed: 4
Conditions: PCI:63.00 |
Inspection Comments:

Sample Number: 154 Type: R Area: 5,000.00SqFt PCI = 66
Sample Comments:

52 WEATH/RAVEL	L	5,000.00 SqFt	Comments:
48 L & T CR	L	542.00 Ft	Comments:

Sample Number: 200 Type: R Area: 5,000.00SqFt PCI = 59
Sample Comments:

52 WEATH/RAVEL	L	5,000.00 SqFt	Comments:
48 L & T CR	L	287.00 Ft	Comments:
43 BLOCK CR	L	1,552.00 SqFt	Comments:

Sample Number: 298 Type: R Area: 2,000.00SqFt PCI = 61
Sample Comments:

52 WEATH/RAVEL	L	2,000.00 SqFt	Comments:
48 L & T CR	L	392.00 Ft	Comments:

Sample Number: 352 Type: R Area: 4,500.00SqFt PCI = 64
Sample Comments:

48 L & T CR	L	646.00 Ft	Comments:
52 WEATH/RAVEL	L	4,500.00 SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: AP Name: APRON AREA Use: APRON Area: 453,768.00SqFt

Section: 4110 of 6 From: - To: - Last Const.: 1/1/1990
Surface: AAC Family: FDOT-GA-AP-AAC Zone: Category: Rank: P
Area: 169,518.00SqFt Length: 680.00Ft Width: 250.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date2/25/2011 Total Samples: 38 Surveyed: 4
Conditions: PCI:62.00 |
Inspection Comments:

Sample Number: 104 Type: R Area: 5,000.00SqFt PCI = 41
Sample Comments:

43 BLOCK CR	L	3,167.00	SqFt	Comments:
52 WEATH/RAVEL	L	5,000.00	SqFt	Comments:
43 BLOCK CR	M	1,833.00	SqFt	Comments:

Sample Number: 201 Type: R Area: 5,000.00SqFt PCI = 62
Sample Comments:

43 BLOCK CR	L	410.00	SqFt	Comments:
52 WEATH/RAVEL	L	5,000.00	SqFt	Comments:
48 L & T CR	L	136.00	Ft	Comments:
50 PATCHING	L	8.00	SqFt	Comments:

Sample Number: 255 Type: R Area: 5,000.00SqFt PCI = 78
Sample Comments:

48 L & T CR	L	251.00	Ft	Comments:
52 WEATH/RAVEL	L	960.00	SqFt	Comments:
50 PATCHING	L	0.50	SqFt	Comments:

Sample Number: 407 Type: R Area: 4,750.00SqFt PCI = 66
Sample Comments:

48 L & T CR	L	538.00	Ft	Comments:
52 WEATH/RAVEL	L	4,750.00	SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: AP Name: APRON AREA Use: APRON Area: 453,768.00SqFt

Section: 4115 of 6 From: - To: - Last Const.: 1/1/1960
Surface: AC Family: FDOT-GA-AP-AC Zone: Category: Rank: P
Area: 35,625.00SqFt Length: 250.00Ft Width: 130.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date2/25/2011 Total Samples: 9 Surveyed: 1
Conditions: PCI:54.00 |
Inspection Comments:

Sample Number: 201 Type: R Area: 5,000.00SqFt PCI = 54
Sample Comments:

48	L & T CR	L	78.00 Ft	Comments:
45	DEPRESSION	L	10.00 SqFt	Comments:
43	BLOCK CR	L	4,700.00 SqFt	Comments:
52	WEATH/RAVEL	L	5,000.00 SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: AP Name: APRON AREA Use: APRON Area: 453,768.00SqFt

Section: 4117 of 6 From: - To: - Last Const.: 1/1/1942
Surface: AC Family: FDOT-GA-AP-AC Zone: Category: Rank: P
Area: 22,000.00SqFt Length: 200.00Ft Width: 110.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date2/25/2011 Total Samples: 4 Surveyed: 1
Conditions: PCI:68.00 |
Inspection Comments:

Sample Number: 601 Type: R Area: 5,000.00SqFt PCI = 68
Sample Comments:

52 WEATH/RAVEL	L	1,550.00 SqFt	Comments:
50 PATCHING	L	159.00 SqFt	Comments:
48 L & T CR	L	77.00 Ft	Comments:
43 BLOCK CR	L	442.00 SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: AP Name: APRON AREA Use: APRON Area: 453,768.00SqFt

Section: 4120 of 6 From: - To: - Last Const.: 1/1/1980
Surface: AC Family: FDOT-GA-AP-AC Zone: Category: Rank: P
Area: 42,000.00SqFt Length: 200.00Ft Width: 200.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date2/25/2011 Total Samples: 9 Surveyed: 1
Conditions: PCI:61.00 |
Inspection Comments:

Sample Number: 401 Type: R Area: 5,000.00SqFt PCI = 61
Sample Comments:

43 BLOCK CR	L	2,140.00 SqFt	Comments:
52 WEATH/RAVEL	L	5,000.00 SqFt	Comments:
48 L & T CR	L	152.00 Ft	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: AP Name: APRON AREA Use: APRON Area: 453,768.00SqFt

Section: 4125 of 6 From: - To: - Last Const.: 1/1/1980
Surface: AC Family: FDOT-GA-AP-AC Zone: Category: Rank: P
Area: 12,500.00SqFt Length: 250.00Ft Width: 50.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date2/25/2011 Total Samples: 3 Surveyed: 1
Conditions: PCI:52.00 |
Inspection Comments:

Sample Number: 101 Type: R Area: 4,800.00SqFt PCI = 52
Sample Comments:

52	WEATH/RAVEL	L	4,800.00 SqFt	Comments:
48	L & T CR	L	233.00 Ft	Comments:
45	DEPRESSION	L	39.00 SqFt	Comments:
56	SWELLING	L	130.00 SqFt	Comments:
41	ALLIGATOR CR	M	35.00 SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: AP N Name: APRON NORTH Use: APRON Area: 204,884.00SqFt

Section: 4505 of 2 From: - To: - Last Const.: 1/1/2011
Surface: AC Family: FDOT-GA-AP-AC Zone: Category: Rank: P
Area: 163,344.00SqFt Length: 1,650.00Ft Width: 100.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date1/1/2011 Total Samples: 0 Surveyed: 0
Conditions: PCI:100.00 |
Inspection Comments: Construction/Major M&R inspection record.

Sample Number: Type: Area: 0.00
<NO SAMPLE RECORDS>

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: AP N Name: APRON NORTH Use: APRON Area: 204,884.00SqFt

Section: 4510 of 2 From: - To: - Last Const.: 1/1/2011
Surface: AC Family: FDOT-GA-AP-AC Zone: Category: Rank: P
Area: 41,540.00SqFt Length: 405.00Ft Width: 100.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date1/1/2011 Total Samples: 0 Surveyed: 0
Conditions: PCI:100.00 |
Inspection Comments: Construction/Major M&R inspection record.

Sample Number: Type: Area: 0.00
<NO SAMPLE RECORDS>

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: AP RW11-29 Name: TURNAROUND APRON RW 11-29 Use: APRON Area: 23,500.00SqFt

Section: 5105 of 2 From: - To: - Last Const.: 1/1/1997
Surface: AAC Family: FDOT-GA-AP-AAC Zone: Category: Rank: P
Area: 12,500.00SqFt Length: 200.00Ft Width: 60.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date2/25/2011 Total Samples: 2 Surveyed: 1
Conditions: PCI:56.00 |
Inspection Comments:

Sample Number: 183 Type: R Area: 5,625.00SqFt PCI = 56
Sample Comments:

48 L & T CR	L	11.00 Ft	Comments:
43 BLOCK CR	L	5,055.00 SqFt	Comments:
56 SWELLING	L	7.00 SqFt	Comments:
52 WEATH/RAVEL	L	1,750.00 SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: AP RW11-29 Name: TURNAROUND APRON RW 11-29 Use: APRON Area: 23,500.00SqFt

Section: 5110 of 2 From: - To: - Last Const.: 1/1/1997
Surface: AAC Family: FDOT-GA-AP-AAC Zone: Category: Rank: P
Area: 11,000.00SqFt Length: 200.00Ft Width: 55.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date2/25/2011 Total Samples: 2 Surveyed: 1
Conditions: PCI:60.00 |
Inspection Comments:

Sample Number: 181 Type: R Area: 5,625.00SqFt PCI = 60
Sample Comments:

45 DEPRESSION	L	98.00 SqFt	Comments:
48 L & T CR	L	193.00 Ft	Comments:
52 WEATH/RAVEL	L	1,325.00 SqFt	Comments:
43 BLOCK CR	L	1,810.00 SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: AP T-HANG Name: APRON T-HANGARS TAXILANES Use: APRON Area: 171,796.00SqFt

Section: 4205 of 2 From: - To: - Last Const.: 1/1/1984
Surface: AC Family: FDOT-GA-AP-AC Zone: Category: Rank: P
Area: 160,203.00SqFt Length: 6,500.00Ft Width: 25.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date2/25/2011 Total Samples: 71 Surveyed: 6
Conditions: PCI:62.00 |
Inspection Comments:

Sample Number: 152 Type: R Area: 2,500.00SqFt PCI = 69
Sample Comments:

48 L & T CR	L	31.00 Ft	Comments:
52 WEATH/RAVEL	L	2,500.00 SqFt	Comments:

Sample Number: 451 Type: R Area: 2,000.00SqFt PCI = 57
Sample Comments:

55 SLIPPAGE CR	L	8.00 SqFt	Comments:
56 SWELLING	L	3.00 SqFt	Comments:
52 WEATH/RAVEL	L	2,000.00 SqFt	Comments:
54 SHOVING	M	12.00 SqFt	Comments:
48 L & T CR	L	64.00 Ft	Comments:

Sample Number: 455 Type: R Area: 2,000.00SqFt PCI = 62
Sample Comments:

56 SWELLING	L	6.00 SqFt	Comments:
48 L & T CR	L	36.00 Ft	Comments:
52 WEATH/RAVEL	L	2,000.00 SqFt	Comments:
54 SHOVING	M	39.00 SqFt	Comments:

Sample Number: 507 Type: R Area: 2,000.00SqFt PCI = 59
Sample Comments:

52 WEATH/RAVEL	L	2,000.00 SqFt	Comments:
54 SHOVING	M	24.00 SqFt	Comments:
48 L & T CR	L	178.00 Ft	Comments:
56 SWELLING	L	19.00 SqFt	Comments:

Sample Number: 551 Type: R Area: 2,000.00SqFt PCI = 61
Sample Comments:

48 L & T CR	L	83.00 Ft	Comments:
56 SWELLING	L	21.00 SqFt	Comments:
54 SHOVING	M	11.00 SqFt	Comments:
52 WEATH/RAVEL	L	2,000.00 SqFt	Comments:

Sample Number: 604 Type: R Area: 2,000.00SqFt PCI = 64
Sample Comments:

48 L & T CR	L	20.00 Ft	Comments:
54 SHOVING	M	6.00 SqFt	Comments:
52 WEATH/RAVEL	L	2,000.00 SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: AP T-HANG Name: APRON T-HANGARS TAXILANES Use: APRON Area: 171,796.00SqFt

Section: 4210 of 2 From: - To: - Last Const.: 1/1/2009
Surface: AC Family: FDOT-GA-AP-AC Zone: Category: Rank: P
Area: 11,593.00SqFt Length: 550.00Ft Width: 20.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date2/25/2011 Total Samples: 6 Surveyed: 1
Conditions: PCI:100.00 |
Inspection Comments:

Sample Number: 701 Type: R Area: 2,000.00SqFt PCI = 100
Sample Comments:
<NO DISTRESSES>

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: RW 11-29 Name: RUNWAY 11-29 Use: RUNWAY Area: 390,028.00SqFt

Section: 6205 of 2 From: - To: - Last Const.: 1/1/1997
Surface: AAC Family: FDOT-GA-RW-AAC Zone: Category: Rank: S
Area: 367,835.00SqFt Length: 3,673.00Ft Width: 100.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date2/25/2011 Total Samples: 73 Surveyed: 15
Conditions: PCI:79.00 |
Inspection Comments:

Sample Number: 103 Type: R Area: 5,000.00SqFt PCI = 76
Sample Comments:

48 L & T CR	L	202.00 Ft	Comments:
50 PATCHING	L	1.00 SqFt	Comments:
52 WEATH/RAVEL	L	1,700.00 SqFt	Comments:

Sample Number: 109 Type: R Area: 5,000.00SqFt PCI = 77
Sample Comments:

52 WEATH/RAVEL	L	700.00 SqFt	Comments:
48 L & T CR	M	19.00 Ft	Comments:
48 L & T CR	L	214.00 Ft	Comments:

Sample Number: 115 Type: R Area: 5,000.00SqFt PCI = 74
Sample Comments:

48 L & T CR	M	107.00 Ft	Comments:
48 L & T CR	L	116.00 Ft	Comments:
52 WEATH/RAVEL	L	725.00 SqFt	Comments:

Sample Number: 121 Type: R Area: 5,000.00SqFt PCI = 75
Sample Comments:

48 L & T CR	M	3.00 Ft	Comments:
50 PATCHING	L	0.75 SqFt	Comments:
48 L & T CR	L	226.00 Ft	Comments:
52 WEATH/RAVEL	L	825.00 SqFt	Comments:

Sample Number: 127 Type: R Area: 5,000.00SqFt PCI = 80
Sample Comments:

50 PATCHING	L	0.25 SqFt	Comments:
48 L & T CR	L	194.00 Ft	Comments:
52 WEATH/RAVEL	L	950.00 SqFt	Comments:

Sample Number: 139 Type: R Area: 5,000.00SqFt PCI = 78
Sample Comments:

50 PATCHING	L	0.50 SqFt	Comments:
48 L & T CR	L	237.00 Ft	Comments:
52 WEATH/RAVEL	L	1,250.00 SqFt	Comments:

Sample Number: 143 Type: R Area: 5,000.00SqFt PCI = 82
Sample Comments:

52 WEATH/RAVEL	L	700.00 SqFt	Comments:
48 L & T CR	L	206.00 Ft	Comments:

Sample Number: 147 Type: R Area: 5,000.00SqFt PCI = 80
Sample Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

52 WEATH/RAVEL	L	900.00	SqFt	Comments:
50 PATCHING	L	0.50	SqFt	Comments:
48 L & T CR	L	148.00	Ft	Comments:

Sample Number: 151 Type: R Area: 5,000.00SqFt PCI = 79
Sample Comments:

45 DEPRESSION	L	9.00	SqFt	Comments:
48 L & T CR	L	261.00	Ft	Comments:
52 WEATH/RAVEL	L	575.00	SqFt	Comments:

Sample Number: 155 Type: R Area: 5,000.00SqFt PCI = 82
Sample Comments:

48 L & T CR	L	148.00	Ft	Comments:
50 PATCHING	L	0.50	SqFt	Comments:
52 WEATH/RAVEL	L	675.00	SqFt	Comments:

Sample Number: 159 Type: R Area: 5,000.00SqFt PCI = 80
Sample Comments:

50 PATCHING	L	1.00	SqFt	Comments:
52 WEATH/RAVEL	L	820.00	SqFt	Comments:
48 L & T CR	L	202.00	Ft	Comments:

Sample Number: 163 Type: R Area: 5,000.00SqFt PCI = 83
Sample Comments:

48 L & T CR	L	166.00	Ft	Comments:
52 WEATH/RAVEL	L	750.00	SqFt	Comments:

Sample Number: 167 Type: R Area: 5,000.00SqFt PCI = 81
Sample Comments:

50 PATCHING	L	0.25	SqFt	Comments:
48 L & T CR	L	184.00	Ft	Comments:
52 WEATH/RAVEL	L	775.00	SqFt	Comments:

Sample Number: 171 Type: R Area: 5,000.00SqFt PCI = 76
Sample Comments:

50 PATCHING	L	0.75	SqFt	Comments:
48 L & T CR	M	3.00	Ft	Comments:
52 WEATH/RAVEL	L	655.00	SqFt	Comments:
48 L & T CR	L	206.00	Ft	Comments:

Sample Number: 175 Type: R Area: 5,000.00SqFt PCI = 80
Sample Comments:

52 WEATH/RAVEL	L	825.00	SqFt	Comments:
48 L & T CR	L	180.00	Ft	Comments:
50 PATCHING	L	0.75	SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: RW 11-29 Name: RUNWAY 11-29 Use: RUNWAY Area: 390,028.00SqFt

Section: 6210 of 2 From: - To: - Last Const.: 1/1/2010
Surface: AAC Family: FDOT-GA-RW-AAC Zone: Category: Rank: S
Area: 22,193.00SqFt Length: 214.00Ft Width: 100.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date2/25/2011 Total Samples: 5 Surveyed: 1
Conditions: PCI:96.00 |
Inspection Comments:

Sample Number: 135 Type: R Area: 4,800.00SqFt PCI = 96
Sample Comments:

50 PATCHING	L	0.50 SqFt	Comments:
52 WEATH/RAVEL	L	30.00 SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: RW 5-23 Name: RUNWAY 5-23 Use: RUNWAY Area: 500,681.00SqFt

Section: 6105 of 4 From: - To: - Last Const.: 1/1/2010
Surface: AAC Family: FDOT-GA-RW-AAC Zone: Category: Rank: P
Area: 182,500.00SqFt Length: 3,650.00Ft Width: 50.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

NOTE: * Pre-Construction PCI *****
Last Insp. Date11/2/2006 Total Samples: 50 Surveyed: 6
Conditions: PCI:46.00 |
Inspection Comments:

Sample Number: 101 Type: R Area: 5,000.00SqFt PCI = 45
Sample Comments:

52 WEATHERING/RAVELING	M	1,665.99	SqFt	Comments:
52 WEATHERING/RAVELING	L	3,333.97	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	M	90.02	Ft	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	H	1.00	Ft	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	200.05	Ft	Comments:

Sample Number: 107 Type: R Area: 5,000.00SqFt PCI = 53
Sample Comments:

52 WEATHERING/RAVELING	L	3,999.97	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	M	319.08	Ft	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	412.11	Ft	Comments:
52 WEATHERING/RAVELING	L	999.99	SqFt	Comments:

Sample Number: 114 Type: R Area: 5,000.00SqFt PCI = 55
Sample Comments:

50 PATCHING	L	4.00	SqFt	Comments:
52 WEATHERING/RAVELING	L	4,999.96	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	581.15	Ft	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	M	152.04	Ft	Comments:

Sample Number: 122 Type: R Area: 5,000.00SqFt PCI = 35
Sample Comments:

46 JET BLAST	N	110.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	400.10	Ft	Comments:
43 BLOCK CRACKING	L	12.00	SqFt	Comments:
52 WEATHERING/RAVELING	M	2,209.98	SqFt	Comments:
52 WEATHERING/RAVELING	H	8.00	SqFt	Comments:
52 WEATHERING/RAVELING	L	2,781.98	SqFt	Comments:

Sample Number: 130 Type: R Area: 5,000.00SqFt PCI = 56
Sample Comments:

52 WEATHERING/RAVELING	L	4,524.96	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	386.10	Ft	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	M	150.04	Ft	Comments:
52 WEATHERING/RAVELING	M	475.00	SqFt	Comments:

Sample Number: 135 Type: R Area: 5,000.00SqFt PCI = 33
Sample Comments:

52 WEATHERING/RAVELING	M	1,331.99	SqFt	Comments:
52 WEATHERING/RAVELING	M	3,667.97	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	226.06	Ft	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

48	LONGITUDINAL/TRANSVERSE CRACKING	M	375.10 Ft	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: RW 5-23 Name: RUNWAY 5-23 Use: RUNWAY Area: 500,681.00SqFt

Section: 6110 of 4 From: - To: - Last Const.: 1/1/2010
Surface: AAC Family: FDOT-GA-RW-AAC Zone: Category: Rank: P
Area: 182,499.00SqFt Length: 3,650.00Ft Width: 50.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

NOTE: * Pre-Construction PCI *****
Last Insp. Date11/2/2006 Total Samples: 50 Surveyed: 7
Conditions: PCI:58.00 |
Inspection Comments:

Sample Number: 312 Type: R Area: 5,000.00SqFt PCI = 59
Sample Comments:

43 BLOCK CRACKING	L	4,999.96 SqFt	Comments:
52 WEATHERING/RAVELING	L	4,999.96 SqFt	Comments:

Sample Number: 324 Type: R Area: 5,000.00SqFt PCI = 50
Sample Comments:

52 WEATHERING/RAVELING	M	1,499.99 SqFt	Comments:
52 WEATHERING/RAVELING	L	3,499.97 SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	325.08 Ft	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	M	50.01 Ft	Comments:

Sample Number: 348 Type: R Area: 5,000.00SqFt PCI = 64
Sample Comments:

43 BLOCK CRACKING	L	4,999.96 SqFt	Comments:

Sample Number: 364 Type: R Area: 5,000.00SqFt PCI = 59
Sample Comments:

43 BLOCK CRACKING	L	4,999.96 SqFt	Comments:
52 WEATHERING/RAVELING	L	4,999.96 SqFt	Comments:

Sample Number: 504 Type: R Area: 5,000.00SqFt PCI = 59
Sample Comments:

43 BLOCK CRACKING	L	4,999.96 SqFt	Comments:
52 WEATHERING/RAVELING	L	4,999.96 SqFt	Comments:

Sample Number: 560 Type: R Area: 5,000.00SqFt PCI = 59
Sample Comments:

43 BLOCK CRACKING	L	4,999.96 SqFt	Comments:
52 WEATHERING/RAVELING	L	4,999.96 SqFt	Comments:

Sample Number: 572 Type: R Area: 5,000.00SqFt PCI = 59
Sample Comments:

43 BLOCK CRACKING	L	4,599.96 SqFt	Comments:
52 WEATHERING/RAVELING	L	4,999.96 SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: RW 5-23 Name: RUNWAY 5-23 Use: RUNWAY Area: 500,681.00SqFt

Section: 6115 of 4 From: - To: - Last Const.: 1/1/2010
Surface: AC Family: FDOT-GA-RW-AAC Zone: Category: Rank: P
Area: 100,682.00SqFt Length: 1,000.00Ft Width: 100.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

NOTE: * Pre-Construction PCI *****
Last Insp. Date11/2/2006 Total Samples: 30 Surveyed: 3
Conditions: PCI:73.00 |
Inspection Comments:

Sample Number: 143 Type: R Area: 5,000.00SqFt PCI = 64
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	L	300.08	Ft	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	M	50.01	Ft	Comments:
52 WEATHERING/RAVELING	L	4,999.96	SqFt	Comments:

Sample Number: 155 Type: R Area: 5,000.00SqFt PCI = 77
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	L	483.12	Ft	Comments:

Sample Number: 158 Type: R Area: 5,000.00SqFt PCI = 77
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	L	417.11	Ft	Comments:
50 PATCHING	L	0.50	SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: RW 5-23 Name: RUNWAY 5-23 Use: RUNWAY Area: 500,681.00SqFt

Section: 6120 of 4 From: - To: - Last Const.: 1/1/2010
Surface: AAC Family: FDOT-GA-RW-AAC Zone: Category: Rank: P
Area: 35,000.00SqFt Length: 350.00Ft Width: 100.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

NOTE: * Pre-Construction PCI *****
Last Insp. Date11/2/2006 Total Samples: 2 Surveyed: 2
Conditions: PCI:92.00 |
Inspection Comments:

Sample Number: 233 Type: R Area: 5,000.00SqFt PCI = 90
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	L	100.03	Ft	Comments:
50 PATCHING	L	1.00	SqFt	Comments:
45 DEPRESSION	L	2.00	SqFt	Comments:

Sample Number: 237 Type: R Area: 5,000.00SqFt PCI = 94
Sample Comments:

50 PATCHING	L	1.00	SqFt	Comments:
52 WEATHERING/RAVELING	L	100.00	SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: TW A Name: TAXIWAY A Use: TAXIWAY Area: 584,859.00SqFt

Section: 110 of 2 From: - To: - Last Const.: 1/1/1997
Surface: AAC Family: FDOT-GA-TW-AAC Zone: Category: Rank: P
Area: 575,000.00SqFt Length: 11,500.00Ft Width: 50.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date2/25/2011 Total Samples: 12 Surveyed: 2
Conditions: PCI:70.00 |
Inspection Comments:

Sample Number: 406 Type: R Area: 5,000.00SqFt PCI = 69
Sample Comments:

48 L & T CR	L	294.00 Ft	Comments:
52 WEATH/RAVEL	M	12.00 SqFt	Comments:
48 L & T CR	M	28.00 Ft	Comments:
52 WEATH/RAVEL	L	380.00 SqFt	Comments:

Sample Number: 411 Type: R Area: 5,000.00SqFt PCI = 72
Sample Comments:

48 L & T CR	L	434.00 Ft	Comments:
52 WEATH/RAVEL	L	1,550.00 SqFt	Comments:
50 PATCHING	L	0.50 SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: TW A Name: TAXIWAY A Use: TAXIWAY Area: 584,859.00SqFt

Section: 115 of 2 From: - To: - Last Const.: 1/1/1997
Surface: AC Family: FDOT-GA-TW-AC Zone: Category: Rank: P
Area: 2,200.00SqFt Length: 60.00Ft Width: 30.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date2/25/2011 Total Samples: 1 Surveyed: 1
Conditions: PCI:55.00 |
Inspection Comments:

Sample Number: 100 Type: R Area: 1,750.00SqFt PCI = 55
Sample Comments:

52 WEATH/RAVEL	L	155.00	SqFt	Comments:
45 DEPRESSION	L	36.00	SqFt	Comments:
48 L & T CR	L	6.00	Ft	Comments:
56 SWELLING	L	8.00	SqFt	Comments:
55 SLIPPAGE CR	L	24.00	SqFt	Comments:
50 PATCHING	L	540.00	SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: TW A2 Name: TAXIWAY A2 Use: TAXIWAY Area: 7,659.00SqFt

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Section: 105 of 1 From: - To: - Last Const.: 1/1/1984
Surface: AC Family: FDOT-GA-TW-AC Zone: Category: Rank: P
Area: 7,659.00SqFt Length: 200.00Ft Width: 30.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date2/25/2011 Total Samples: 2 Surveyed: 1
Conditions: PCI:69.00 |
Inspection Comments:

Sample Number: 101 Type: R Area: 4,000.00SqFt PCI = 69
Sample Comments:

52 WEATH/RAVEL	L	4,000.00 SqFt	Comments:
48 L & T CR	L	70.00 Ft	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: TW AP Name: TAXIWAY Use: TAXIWAY Area: 51,532.00SqFt

Section: 405 of 2 From: - To: - Last Const.: 1/1/1942
Surface: AC Family: FDOT-GA-TW-AC Zone: Category: Rank: P
Area: 7,532.00SqFt Length: 135.00Ft Width: 50.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date2/25/2011 Total Samples: 1 Surveyed: 1
Conditions: PCI:61.00 |
Inspection Comments:

Sample Number: 349 Type: R Area: 6,750.00SqFt PCI = 61
Sample Comments:

45 DEPRESSION	L	15.00	SqFt	Comments:
52 WEATH/RAVEL	L	6,750.00	SqFt	Comments:
43 BLOCK CR	L	4,450.00	SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: TW AP Name: TAXIWAY Use: TAXIWAY Area: 51,532.00SqFt

Section: 410 of 2 From: - To: - Last Const.: 1/1/1960
Surface: AAC Family: FDOT-GA-TW-AAC Zone: Category: Rank: P
Area: 44,000.00SqFt Length: 880.00Ft Width: 50.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date2/25/2011 Total Samples: 8 Surveyed: 2
Conditions: PCI:35.00 |
Inspection Comments:

Sample Number: 353 Type: R Area: 5,000.00SqFt PCI = 35
Sample Comments:

52 WEATH/RAVEL	M	140.00	SqFt	Comments:
43 BLOCK CR	M	3,150.00	SqFt	Comments:
48 L & T CR	L	73.00	Ft	Comments:
52 WEATH/RAVEL	L	4,860.00	SqFt	Comments:
43 BLOCK CR	L	400.00	SqFt	Comments:

Sample Number: 357 Type: R Area: 5,000.00SqFt PCI = 34
Sample Comments:

43 BLOCK CR	M	4,148.00	SqFt	Comments:
48 L & T CR	L	124.00	Ft	Comments:
50 PATCHING	L	0.25	SqFt	Comments:
52 WEATH/RAVEL	L	5,000.00	SqFt	Comments:
43 BLOCK CR	L	300.00	SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: TW B Name: TAXIWAY B Use: TAXIWAY Area: 219,566.00SqFt

Section: 205 of 7 From: - To: - Last Const.: 1/1/1985
Surface: AC Family: FDOT-GA-TW-AC Zone: Category: Rank: P
Area: 39,416.00SqFt Length: 975.00Ft Width: 40.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date2/25/2011 Total Samples: 10 Surveyed: 2
Conditions: PCI:44.00 |
Inspection Comments:

Sample Number: 204 Type: R Area: 4,000.00SqFt PCI = 44
Sample Comments:

52 WEATH/RAVEL	M	1,600.00	SqFt	Comments:
48 L & T CR	L	544.00	Ft	Comments:
52 WEATH/RAVEL	L	2,400.00	SqFt	Comments:

Sample Number: 209 Type: R Area: 4,000.00SqFt PCI = 44
Sample Comments:

52 WEATH/RAVEL	L	1,020.00	SqFt	Comments:
48 L & T CR	L	240.00	Ft	Comments:
50 PATCHING	L	1,080.00	SqFt	Comments:
52 WEATH/RAVEL	M	1,900.00	SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: TW B Name: TAXIWAY B Use: TAXIWAY Area: 219,566.00SqFt

Section: 210 of 7 From: - To: - Last Const.: 1/1/1991
Surface: AC Family: FDOT-GA-TW-AC Zone: Category: Rank: P
Area: 50,000.00SqFt Length: 1,300.00Ft Width: 35.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date2/25/2011 Total Samples: 13 Surveyed: 3
Conditions: PCI:78.00 |
Inspection Comments:

Sample Number: 301 Type: R Area: 3,500.00SqFt PCI = 78
Sample Comments:

52 WEATH/RAVEL	L	1,075.00 SqFt	Comments:
48 L & T CR	L	212.00 Ft	Comments:

Sample Number: 307 Type: R Area: 3,500.00SqFt PCI = 78
Sample Comments:

52 WEATH/RAVEL	L	1,100.00 SqFt	Comments:
48 L & T CR	L	168.00 Ft	Comments:

Sample Number: 310 Type: R Area: 3,500.00SqFt PCI = 77
Sample Comments:

52 WEATH/RAVEL	L	1,330.00 SqFt	Comments:
48 L & T CR	L	219.00 Ft	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: TW B Name: TAXIWAY B Use: TAXIWAY Area: 219,566.00SqFt

Section: 215 of 7 From: - To: - Last Const.: 1/1/1985
Surface: AC Family: FDOT-GA-TW-AC Zone: Category: Rank: P
Area: 63,944.00SqFt Length: 1,600.00Ft Width: 40.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date2/25/2011 Total Samples: 15 Surveyed: 2
Conditions: PCI:66.00 |
Inspection Comments:

Sample Number: 102 Type: R Area: 4,000.00SqFt PCI = 65
Sample Comments:

52 WEATH/RAVEL	L	3,489.00	SqFt	Comments:
48 L & T CR	L	100.00	Ft	Comments:
52 WEATH/RAVEL	M	511.00	SqFt	Comments:

Sample Number: 111 Type: R Area: 4,000.00SqFt PCI = 67
Sample Comments:

52 WEATH/RAVEL	L	4,000.00	SqFt	Comments:
50 PATCHING	L	1.00	SqFt	Comments:
48 L & T CR	L	86.00	Ft	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: TW B Name: TAXIWAY B Use: TAXIWAY Area: 219,566.00SqFt

Section: 217 of 7 From: - To: - Last Const.: 1/1/1985
Surface: AC Family: FDOT-GA-TW-AC Zone: Category: Rank: P
Area: 7,000.00SqFt Length: 175.00Ft Width: 40.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date2/25/2011 Total Samples: 2 Surveyed: 1
Conditions: PCI:60.00 |
Inspection Comments:

Sample Number: 118 Type: R Area: 4,000.00SqFt PCI = 60
Sample Comments:

52 WEATH/RAVEL	H	12.00	SqFt	Comments:
48 L & T CR	L	61.00	Ft	Comments:
52 WEATH/RAVEL	L	3,619.00	SqFt	Comments:
52 WEATH/RAVEL	M	369.00	SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: TW B Name: TAXIWAY B Use: TAXIWAY Area: 219,566.00SqFt

Section: 220 of 7 From: - To: - Last Const.: 1/1/1997
Surface: AAC Family: FDOT-GA-TW-AAC Zone: Category: Rank: P
Area: 1,700.00SqFt Length: 100.00Ft Width: 17.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date2/25/2011 Total Samples: 1 Surveyed: 1
Conditions: PCI:62.00 |
Inspection Comments:

Sample Number: 100 Type: R Area: 1,430.00SqFt PCI = 62
Sample Comments:

45 DEPRESSION	L	17.00 SqFt	Comments:
48 L & T CR	L	73.00 Ft	Comments:
56 SWELLING	L	45.00 SqFt	Comments:
52 WEATH/RAVEL	L	990.00 SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: TW B Name: TAXIWAY B Use: TAXIWAY Area: 219,566.00SqFt

Section: 225 of 7 From: - To: - Last Const.: 1/1/2010
Surface: AAC Family: FDOT-GA-TW-AAC Zone: Category: Rank: P
Area: 45,386.00SqFt Length: 1,014.00Ft Width: 45.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date2/25/2011 Total Samples: 10 Surveyed: 2
Conditions: PCI:82.00 |
Inspection Comments:

Sample Number: 214 Type: R Area: 4,000.00SqFt PCI = 84
Sample Comments:

52 WEATH/RAVEL	L	410.00 SqFt	Comments:
48 L & T CR	L	20.00 Ft	Comments:
50 PATCHING	L	0.25 SqFt	Comments:

Sample Number: 218 Type: R Area: 4,000.00SqFt PCI = 80
Sample Comments:

50 PATCHING	L	0.50 SqFt	Comments:
52 WEATH/RAVEL	L	460.00 SqFt	Comments:
48 L & T CR	L	166.00 Ft	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: TW B Name: TAXIWAY B Use: TAXIWAY Area: 219,566.00SqFt

Section: 230 of 7 From: - To: - Last Const.: 1/1/2010
Surface: AAC Family: FDOT-GA-TW-AAC Zone: Category: Rank: P
Area: 12,120.00SqFt Length: 300.00Ft Width: 40.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date2/25/2011 Total Samples: 3 Surveyed: 1
Conditions: PCI:90.00 |
Inspection Comments:

Sample Number: 105 Type: R Area: 4,000.00SqFt PCI = 90
Sample Comments:

50 PATCHING	L	0.75 SqFt	Comments:
52 WEATH/RAVEL	L	240.00 SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: TW B2 Name: TAXIWAY B2 Use: TAXIWAY Area: 124,940.00SqFt

Section: 250 of 4 From: - To: - Last Const.: 1/1/1985
Surface: AC Family: FDOT-GA-TW-AC Zone: Category: Rank: P
Area: 10,646.00SqFt Length: 200.00Ft Width: 50.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date2/25/2011 Total Samples: 2 Surveyed: 1
Conditions: PCI:62.00 |
Inspection Comments:

Sample Number: 201 Type: R Area: 5,000.00SqFt PCI = 62
Sample Comments:

52 WEATH/RAVEL	L	4,100.00 SqFt	Comments:
52 WEATH/RAVEL	M	900.00 SqFt	Comments:
48 L & T CR	L	184.00 Ft	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: TW B2 Name: TAXIWAY B2 Use: TAXIWAY Area: 124,940.00SqFt

Section: 310 of 4 From: - To: - Last Const.: 1/1/1970
Surface: AAC Family: FDOT-GA-TW-AAC Zone: Category: Rank: P
Area: 3,102.00SqFt Length: 66.00Ft Width: 50.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date2/25/2011 Total Samples: 1 Surveyed: 1
Conditions: PCI:58.00 |
Inspection Comments:

Sample Number: 106 Type: R Area: 3,500.00SqFt PCI = 58
Sample Comments:

50 PATCHING	L	0.25	SqFt	Comments:
52 WEATH/RAVEL	L	1,725.00	SqFt	Comments:
43 BLOCK CR	L	1,590.00	SqFt	Comments:
56 SWELLING	L	27.00	SqFt	Comments:
48 L & T CR	L	119.00	Ft	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: TW B2 Name: TAXIWAY B2 Use: TAXIWAY Area: 124,940.00SqFt

Section: 315 of 4 From: - To: - Last Const.: 1/1/1985
Surface: AC Family: FDOT-GA-TW-AC Zone: Category: Rank: P
Area: 6,192.00SqFt Length: 120.00Ft Width: 50.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date2/25/2011 Total Samples: 1 Surveyed: 1
Conditions: PCI:31.00 |
Inspection Comments:

Sample Number: 107 Type: R Area: 6,000.00SqFt PCI = 31
Sample Comments:

50 PATCHING	L	0.25	SqFt	Comments:
52 WEATH/RAVEL	M	4,799.00	SqFt	Comments:
48 L & T CR	L	146.00	Ft	Comments:
52 WEATH/RAVEL	L	1,200.00	SqFt	Comments:
52 WEATH/RAVEL	H	1.00	SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: TW B2 Name: TAXIWAY B2 Use: TAXIWAY Area: 124,940.00SqFt

Section: 320 of 4 From: - To: - Last Const.: 1/1/1942
Surface: AC Family: FDOT-GA-TW-AC Zone: Category: Rank: P
Area: 26,000.00SqFt Length: 500.00Ft Width: 50.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date2/25/2011 Total Samples: 5 Surveyed: 2
Conditions: PCI:60.00 |
Inspection Comments:

Sample Number: 101 Type: R Area: 3,500.00SqFt PCI = 62
Sample Comments:

43 BLOCK CR	L	1,328.00	SqFt	Comments:
48 L & T CR	L	94.00	Ft	Comments:
52 WEATH/RAVEL	L	3,500.00	SqFt	Comments:

Sample Number: 103 Type: R Area: 3,500.00SqFt PCI = 58
Sample Comments:

48 L & T CR	L	123.00	Ft	Comments:
52 WEATH/RAVEL	L	3,500.00	SqFt	Comments:
50 PATCHING	L	0.50	SqFt	Comments:
43 BLOCK CR	L	1,850.00	SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: TW B3 Name: TAXIWAY B3 Use: TAXIWAY Area: 16,225.00SqFt

Section: 258 of 3 From: - To: - Last Const.: 1/1/1997
Surface: AAC Family: FDOT-GA-TW-AAC Zone: Category: Rank: P
Area: 2,975.00SqFt Length: 50.00Ft Width: 50.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date2/25/2011 Total Samples: 1 Surveyed: 1
Conditions: PCI:92.00 |
Inspection Comments:

Sample Number: 300 Type: R Area: 2,775.00SqFt PCI = 92
Sample Comments:

50 PATCHING	L	0.50 SqFt	Comments:
48 L & T CR	L	9.00 Ft	Comments:
52 WEATH/RAVEL	L	25.00 SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: TW B3 Name: TAXIWAY B3 Use: TAXIWAY Area: 16,225.00SqFt

Section: 260 of 3 From: - To: - Last Const.: 1/1/1997
Surface: AAC Family: FDOT-GA-TW-AAC Zone: Category: Rank: P
Area: 5,250.00SqFt Length: 105.00Ft Width: 50.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date2/25/2011 Total Samples: 1 Surveyed: 1
Conditions: PCI:73.00 |
Inspection Comments:

Sample Number: 301 Type: R Area: 5,250.00SqFt PCI = 73
Sample Comments:

52 WEATH/RAVEL	L	1,260.00 SqFt	Comments:
45 DEPRESSION	M	19.00 SqFt	Comments:
50 PATCHING	L	0.25 SqFt	Comments:
48 L & T CR	L	217.00 Ft	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: TW B3 Name: TAXIWAY B3 Use: TAXIWAY Area: 16,225.00SqFt

Section: 262 of 3 From: - To: - Last Const.: 1/1/1997
Surface: AAC Family: FDOT-GA-TW-AAC Zone: Category: Rank: P
Area: 8,000.00SqFt Length: 160.00Ft Width: 50.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date2/25/2011 Total Samples: 1 Surveyed: 1
Conditions: PCI:75.00 |
Inspection Comments:

Sample Number: 302 Type: R Area: 8,000.00SqFt PCI = 75
Sample Comments:

43 BLOCK CR	L	375.00	SqFt	Comments:
50 PATCHING	L	0.25	SqFt	Comments:
48 L & T CR	L	225.00	Ft	Comments:
52 WEATH/RAVEL	L	1,011.00	SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: TW B4 Name: TAXIWAY B4 Use: TAXIWAY Area: 15,240.00SqFt

Section: 270 of 1 From: - To: - Last Const.: 1/1/1997
Surface: AAC Family: FDOT-GA-TW-AAC Zone: Category: Rank: P
Area: 15,240.00SqFt Length: 300.00Ft Width: 50.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date2/25/2011 Total Samples: 3 Surveyed: 1
Conditions: PCI:64.00 |
Inspection Comments:

Sample Number: 400 Type: R Area: 5,000.00SqFt PCI = 64
Sample Comments:

52 WEATH/RAVEL	L	230.00 SqFt	Comments:
48 L & T CR	L	202.00 Ft	Comments:
50 PATCHING	L	1,800.00 SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: TW C Name: TAXIWAY C Use: TAXIWAY Area: 34,255.00SqFt

Section: 330 of 1 From: - To: - Last Const.: 1/9/1998
Surface: AC Family: FDOT-GA-TW-AC Zone: Category: Rank: P
Area: 34,255.00SqFt Length: 1,325.00Ft Width: 25.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date2/24/2011 Total Samples: 7 Surveyed: 1
Conditions: PCI:98.00 |
Inspection Comments:

Sample Number: 103 Type: R Area: 5,000.00SqFt PCI = 98
Sample Comments:

50 PATCHING	L	0.50 SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: TW C3 Name: TAXIWAY C3 Use: TAXIWAY Area: 39,150.00SqFt

Section: 305 of 1 From: - To: - Last Const.: 1/1/1960
Surface: AAC Family: FDOT-GA-TW-AAC Zone: Category: Rank: P
Area: 39,150.00SqFt Length: 800.00Ft Width: 50.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date2/25/2011 Total Samples: 8 Surveyed: 2
Conditions: PCI:54.00 |
Inspection Comments:

Sample Number: 302 Type: R Area: 2,500.00SqFt PCI = 60
Sample Comments:

52 WEATH/RAVEL	M	21.00	SqFt	Comments:
50 PATCHING	L	30.00	SqFt	Comments:
52 WEATH/RAVEL	L	2,479.00	SqFt	Comments:
48 L & T CR	L	16.00	Ft	Comments:

Sample Number: 306 Type: R Area: 2,500.00SqFt PCI = 47
Sample Comments:

52 WEATH/RAVEL	M	60.00	SqFt	Comments:
52 WEATH/RAVEL	H	100.00	SqFt	Comments:
48 L & T CR	L	94.00	Ft	Comments:
52 WEATH/RAVEL	L	2,340.00	SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: TW D Name: TAXIWAY D Use: TAXIWAY Area: 29,677.00SqFt

Section: 420 of 1 From: - To: - Last Const.: 1/9/1998
Surface: AC Family: FDOT-GA-TW-AC Zone: Category: Rank: P
Area: 29,677.00SqFt Length: 1,070.00Ft Width: 25.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date2/24/2011 Total Samples: 6 Surveyed: 1
Conditions: PCI:85.00 |
Inspection Comments:

Sample Number: 102 Type: R Area: 5,000.00SqFt PCI = 85
Sample Comments:

52 WEATHERING/RAVELING	L	1,199.99 SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: TW F Name: TAXIWAY F Use: TAXIWAY Area: 28,541.00SqFt

Section: 605 of 1 From: - To: - Last Const.: 1/1/2011
Surface: AC Family: FDOT-GA-TW-AC Zone: Category: Rank: P
Area: 28,541.00SqFt Length: 843.00Ft Width: 35.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date1/1/2011 Total Samples: 0 Surveyed: 0
Conditions: PCI:100.00 |
Inspection Comments: Construction/Major M&R inspection record.

Sample Number: Type: Area: 0.00
<NO SAMPLE RECORDS>

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: TW F1 Name: TAXIWAY F1 Use: TAXIWAY Area: 10,374.00SqFt

Section: 610 of 1 From: - To: - Last Const.: 1/1/2011
Surface: AC Family: FDOT-GA-TW-AC Zone: Category: Rank: P
Area: 10,374.00SqFt Length: 260.00Ft Width: 40.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date1/1/2011 Total Samples: 0 Surveyed: 0
Conditions: PCI:100.00 |
Inspection Comments: Construction/Major M&R inspection record.

Sample Number: Type: Area: 0.00
<NO SAMPLE RECORDS>

Re-inspection Report

FDOT
Report Generated Date: 6/15/2011
Site Name:

Network: GIF Name: WINTER HAVEN MUNICIPAL AIRPORT

Branch: TW F2 Name: TAXIWAY F2 Use: TAXIWAY Area: 10,371.00SqFt

Section: 615 of 1 From: - To: - Last Const.: 1/1/2011
Surface: AC Family: FDOT-GA-TW-AC Zone: Category: Rank: P
Area: 10,371.00SqFt Length: 240.00Ft Width: 40.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date1/1/2011 Total Samples: 0 Surveyed: 0
Conditions: PCI:100.00 |
Inspection Comments: Construction/Major M&R inspection record.

Sample Number: Type: Area: 0.00
<NO SAMPLE RECORDS>