STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

AVIATION OFFICE

Statewide Airfield Pavement Management Program

Destin-Fort Walton Beach Airport– DTS
(General Aviation)
Eglin AFB, Florida
(District 3)

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 Destin-Fort Walton Beach 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 Destin-Fort Walton Beach 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 Destin-Fort Walton Beach 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 60, representing a Fair 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	54	Poor	60	65	X
Run-up Aprons	78	Satisfactory	60	65	
Runway 14-32	59	Fair	75	65	X
Taxiway Alpha	68	Fair	65	65	
Taxiway Alpha 2	64	Fair	65	65	X
Taxiway Alpha 3	59	Fair	65	65	X
Taxiway Alpha 4	59	Fair	65	65	X
Taxiway Alpha 5	65	Fair	65	65	
Connector Taxiway to Apron	59	Fair	65	65	X
Taxiway to Hangars	76	Satisfactory	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	59	Fair
Taxiway	70	Fair
Apron	56	Fair
All (Weighted)	**60**	**Fair**

Table III: Condition Summary by Pavement Rank

Rank*	Average Area-Weighted PCI	Condition Rating
Primary	60	Fair
All (Weighted)	**60**	**Fair**

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

The immediate M&R needs, or needs that have been programmed to be completed in the first year of the 10-year M&R plan based on an unlimited budget at Destin-Fort Walton Beach Airport, include the Apron. The Apron pavement exhibited low and medium severity block cracking, longitudinal and transverse cracking, weathering and raveling. The extent of these distresses justify mill and overlay rehabilitation activity, and where the pavement exhibited

distresses of higher severities a full pavement reconstruction is recommended. 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	4107	AAC	8,500	$84,617.52	35	Reconstruction	100
Apron	4110	AC	65,030	$222,402.75	60	Mill and Overlay	100
Apron	4112	AC	10,880	$68,435.21	42	Mill and Overlay	100
Apron	4120	AC	122,850	$386,609.22	61	Mill and Overlay	100
Apron	4125	AC	208,085	$2,224,013.13	34	Reconstruction	100
Runway 14-32	6105	AAC	250,404	$1,359,443.62	53	Mill and Overlay	100
Runway 14-32	6112	AC	12,000	$44,484.03	59	Mill and Overlay	100
Runway 14-32	6115	AC	110,000	$407,770.25	59	Mill and Overlay	100
Runway 14-32	6120	AC	40,000	$171,240.08	57	Mill and Overlay	100
Taxiway Alpha 2	110	AAC	9,350	$24,319.37	63	Mill and Overlay	100
Taxiway Alpha 3	120	AAC	9,350	$37,343.92	58	Mill and Overlay	100
Taxiway Alpha 4	125	AAC	9,350	$37,343.92	58	Mill and Overlay	100
Taxiway Alpha 5	130	AAC	9,340	$21,743.53	64	Mill and Overlay	100
Connector Taxiway to Apron	205	AAC	7,890	$22,675.88	62	Mill and Overlay	100
Connector Taxiway to Apron	209	AAC	4,600	$28,934.00	45	Mill and Overlay	100
Connector Taxiway to Apron	210	AAC	3,280	$8,531.29	63	Mill and Overlay	100
Connector Taxiway to Apron	212	AAC	2,970	$9,346.60	61	Mill and Overlay	100
Taxiway to Hangars	315	AC	46,120	$132,548.97	62	Mill and Overlay	100
			Total	**$5,291,803.29**	**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	$59,128.74	$5,291,803.29	$5,350,932.03
2012	$106,308.07	$0.00	$106,308.07
2013	$80,744.68	$386,316.36	$467,061.04
2014	$79,703.56	$115,008.37	$194,711.93
2015	$77,395.18	$120,991.52	$198,386.70
2016	$60,499.55	$263,836.45	$324,336.00
2017	$49,656.70	$225,271.39	$274,928.09
2018	$39,014.24	$223,153.77	$262,168.01
2019	$60,337.92	$53,643.09	$113,981.01
2020	$82,316.43	$0.00	$82,316.43
Total	**$695,105.07**	**$6,680,024.24**	**$7,375,129.31**

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 60 in 2011 to 86 in 2020. Appendix F lists the major M&R for the 10-Year program. Appendix G graphically depicts the activity.

It is important to note that although preventative and some major M&R activities would have to be conducted over several years, the area-weighted PCI value for all Destin-Fort Walton Beach Airport pavements in 2020 may remain near 86. 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 Destin-Fort Walton Beach 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.

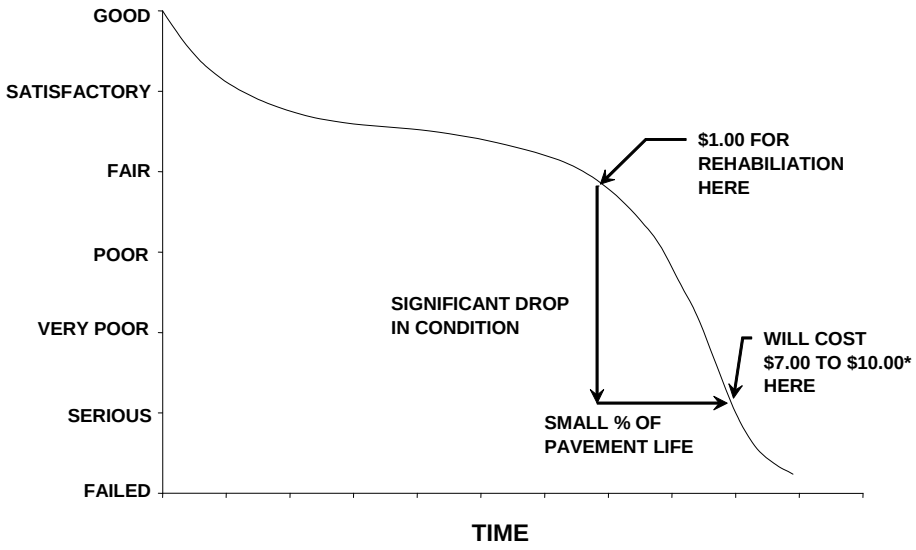
A small percentage of the airport pavements in Florida are composed of asphalt concrete surface over Portland Cement Concrete (APC). This pavement type is known as “composite” pavement.

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

Destin-Fort Walton Beach Airport (DTS) is publicly owned by Okaloosa County and is used primarily for general aviation, with a small amount of military and air taxi traffic. Destin-Fort Walton Beach Airport consists of a single runway; RW 14-32, which is 100-ft wide by 5,001-ft long. The airport is served by a single 40-ft wide taxiway, TW Alpha, which runs parallel to RW 14-32 and has four separate taxiway connectors. Currently the airport has T-Hangar facilities located toward the northwest end of RW 14-32 and tie-down spaces located along the apron. All of the pavement for the runway, taxiways, apron and hangars is constructed with Asphalt Concrete.

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

This airport is designated as a General Aviation airport and is located in District 3 of the Florida Department of Transportation.

2.1 Network Definition

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

2.1.1 *Branch Section Identification*

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

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

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

2.1.2 *System Inventory and Network Definition Update*

The System Inventory and Network Definition drawings are used to identify changes in the network since the most recent update from the 2006/2008 inspections and also to plan the field inspection activities for the 2011 survey. Prior to the field inspection process, the System Inventory drawing was updated from the previous inspection with notes indicating recent construction projects on the various Sections of pavement throughout the airfield. This System Inventory drawing is used to update the Network Definition drawing.

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

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

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

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

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

2.2 Pavement Inventory

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

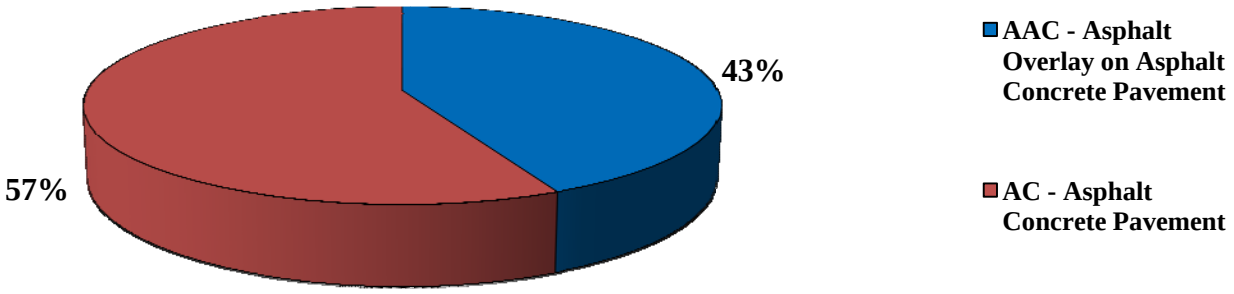
The total airfield pavement area in 2011 at Destin-Fort Walton Beach Airport is 1,478,769 square feet. The breakdown of pavement area for each pavement use is provided in Table 2-2.

Table 2-2: Pavement Area by Pavement Use

Use	Area (ft^2)	% of Total Area
Runway	499,904	34%
Taxiway	372,180	25%
Apron	606,685	41%
All (Weighted)	**1,478,769**	**100%**

Figure 2-1 presents the breakdown of the pavement area at Destin-Fort Walton Beach 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	Sample Units in Section
Apron	AP	4105	50,000	P	AAC	1/1/1985	1	10
Apron	AP	4107	8,500	P	AAC	1/1/1985	1	3
Apron	AP	4110	65,030	P	AC	1/1/1974	2	12
Apron	AP	4112	10,880	P	AC	1/1/1974	1	3
Apron	AP	4115	45,210	P	AAC	1/1/1975	1	12
Apron	AP	4120	122,850	P	AC	1/1/1987	3	24
Apron	AP	4125	208,085	P	AC	1/1/1983	5	44
Apron	AP	4150	59,700	P	AC	1/1/1992	2	13
Run-up Aprons	AP RU	5105	18,190	P	AAC	1/1/1992	1	4
Run-up Aprons	AP RU	5110	18,240	P	AAC	1/1/1992	1	4
Runway 14-32	RW 14-32	6105	250,404	P	AAC	1/1/1972	14	70
Runway 14-32	RW 14-32	6110	87,500	P	AC	1/1/1972	5	18
Runway 14-32	RW 14-32	6112	12,000	P	AC	1/1/1992	1	2
Runway 14-32	RW 14-32	6115	110,000	P	AC	1/1/1974	5	22
Runway 14-32	RW 14-32	6120	40,000	P	AC	1/1/1974	2	8
Taxiway Alpha	TW A	115	140,000	P	AAC	1/1/1992	5	35
Taxiway Alpha	TW A	135	12,640	P	AAC	1/1/1992	1	3
Taxiway Alpha	TW A	150	41,330	P	AAC	1/1/1992	2	10
Taxiway Alpha 2	TW A2	110	9,350	P	AAC	1/1/1992	1	2
Taxiway Alpha 3	TW A3	120	9,350	P	AAC	1/1/1992	1	2
Taxiway Alpha 4	TW A4	125	9,350	P	AAC	1/1/1992	1	2
Taxiway Alpha 5	TW A5	130	9,340	P	AAC	1/1/1992	1	2
Connector Taxiway to Apron	TW CONN	205	7,890	P	AAC	1/1/1992	1	2
Connector Taxiway to Apron	TW CONN	209	4,600	P	AAC	1/1/1992	1	1
Connector Taxiway to Apron	TW CONN	210	3,280	P	AAC	1/1/1972	1	1
Connector Taxiway to Apron	TW CONN	212	2,970	P	AAC	1/1/1992	1	1
Taxiway to Hangars	TW HANG	305	57,560	P	AC	12/25/1999	3	19
Taxiway to Hangars	TW HANG	310	18,400	P	AC	12/25/1999	1	7
Taxiway to Hangars	TW HANG	315	46,120	P	AC	12/25/1999	3	21

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

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

3. PAVEMENT CONDITION

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

3.1 Inspection Methodology

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

Table 3-1: Pavement Distresses for Asphalt Concrete Surfaces

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

Source: U.S. 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 Destin-Fort Walton Beach Airport were performed in February 2011. Data were recorded in the field in accordance with FAA Advisory Circular 150/5380-6B "Guidelines and Procedures for Maintenance of Airport Pavements" and ASTM D 5340 "Standard Test Method for Airport Pavement Condition Index Surveys" (2004).

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

3.2 Pavement Condition Index Results

According to the 2011 survey, the overall area-weighted PCI at Destin-Fort Walton Beach Airport is 60, representing a Fair overall network condition.

Overall the airport exhibited pavement distresses common to climate cycling and age condition. The flexible Asphalt Concrete pavement distresses include; weathering, raveling, longitudinal and transverse cracking, and block cracking distresses of which are common of pavements of similar age.

Runway 14-32 exhibited low and medium severity longitudinal and transverse cracking in addition to low and medium severity weathering and raveling. For the most part, the longitudinal cracks were located along the paving joints. This is a common distress due to the pavement being the weakest at this location. In some isolated instances, low severity block cracking was also observed along the runway.

The taxiway connectors and apron pavement exhibited low and medium severity longitudinal and transverse cracking in addition to low and medium severity weathering and raveling. Low and medium severity block cracking was also observed in these locations. The T-Hangars exhibited low severity longitudinal and transverse cracking along with low severity weathering and raveling. High severity longitudinal and transverse cracking was also observed in one isolated location.

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 Destin-Fort Walton Beach Airport.

Figure 3-1: Network PCI Distribution by Rating Category

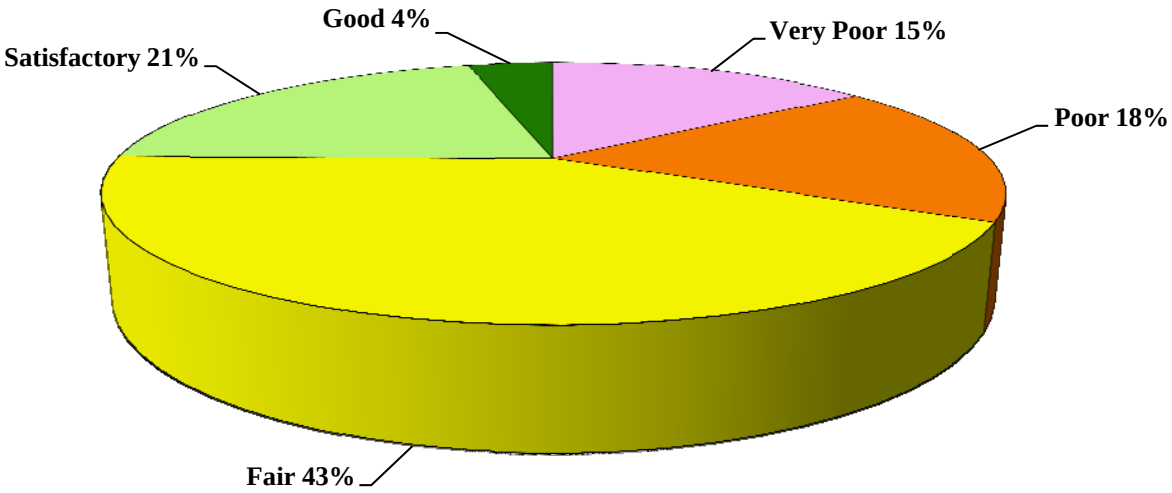


Figure 3-1a: Condition Rating Summary

Condition Rating	Total Area (ft^2)	Percent
Good	57,560	4%
Satisfactory	306,000	21%
Fair	632,740	43%
Poor	265,884	18%
Very Poor	216,585	15%
Serious	0	0%
Failed	0	0%

Approximately 25% of the network is in Good and Satisfactory condition while 33% of the network is in Poor and Very Poor condition. Table 3-3 illustrates the area-weighted PCI computed individually for each pavement use.

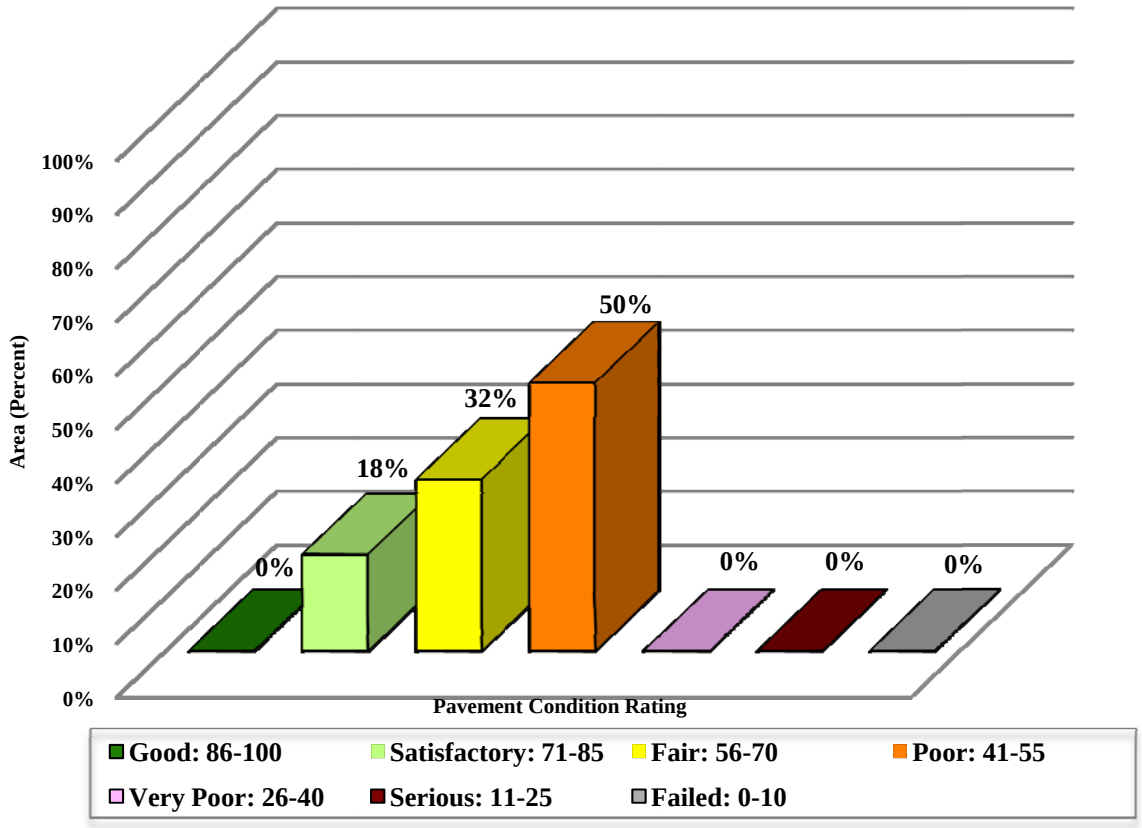
Table 3-2: Condition by Pavement Use

Use	Area-Weighted PCI	Condition Rating
Runway	59	Fair
Taxiway	70	Fair
Apron	56	Fair
All (Weighted)	**60**	**Fair**

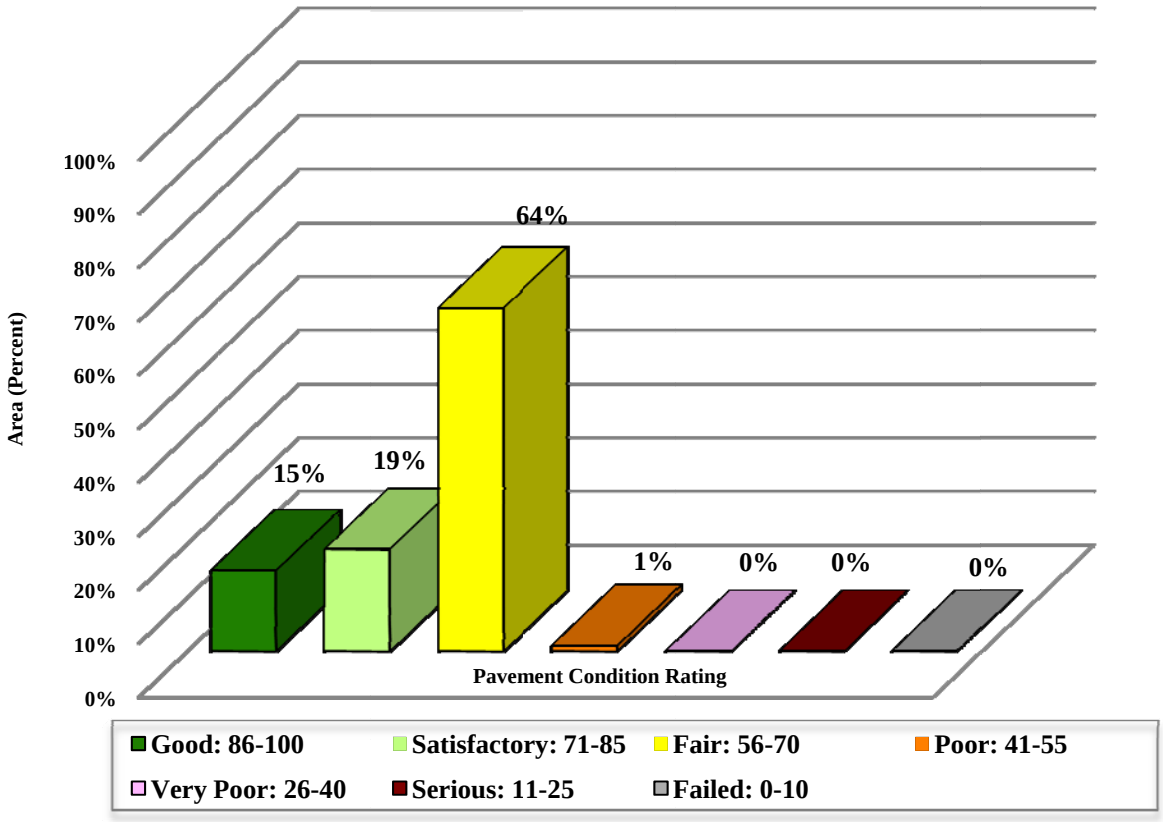
Figure 3-2 presents the breakdown of PCI by range for each pavement use.

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

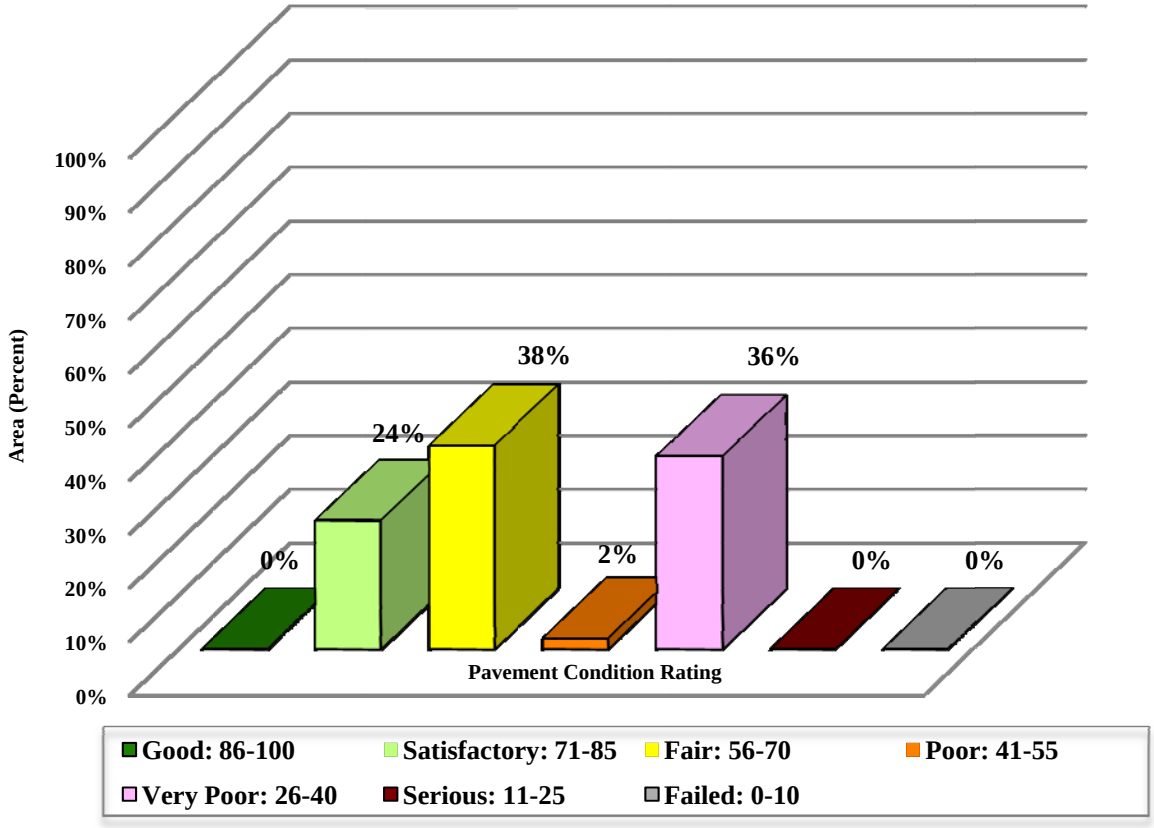
(a) Runway



(b) Taxiway


Area (Percent)
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
15%
19%
64%
1%
0%
0%
0%
Pavement Condition Rating
Good: 86-100
Satisfactory: 71-85
Fair: 56-70
Poor: 41-55
Very Poor: 26-40
Serious: 11-25
Failed: 0-10

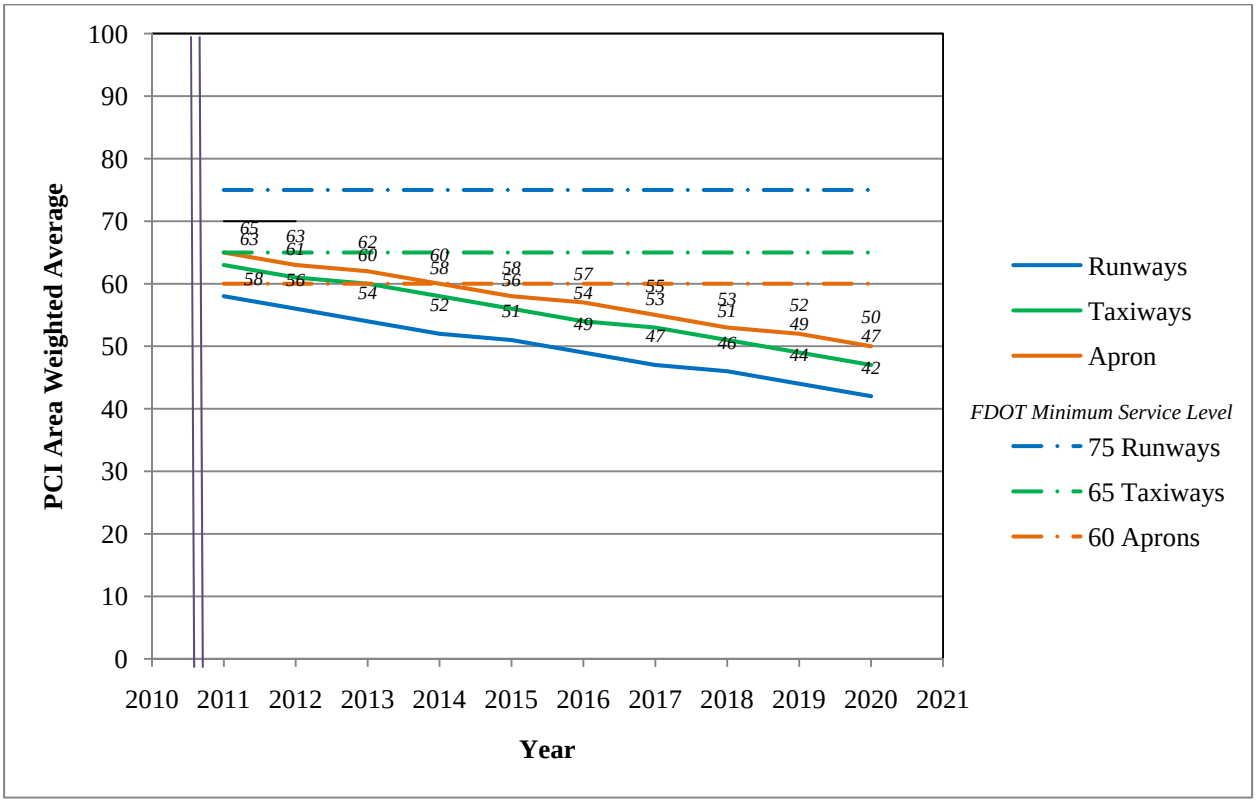
(c) Apron


Area (Percent)
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
0%
24%
38%
2%
36%
0%
0%
Pavement Condition Rating
Good: 86-100
Satisfactory: 71-85
Fair: 56-70
Poor: 41-55
Very Poor: 26-40
Serious: 11-25
Failed: 0-10

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 Destin-Fort Walton Beach 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 and Weathering	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	4107	AAC	8,500	$84,617.52	35	Reconstruction	100
Apron	4110	AC	65,030	$222,402.75	60	Mill and Overlay	100
Apron	4112	AC	10,880	$68,435.21	42	Mill and Overlay	100
Apron	4120	AC	122,850	$386,609.22	61	Mill and Overlay	100
Apron	4125	AC	208,085	$2,224,013.13	34	Reconstruction	100
Runway 14-32	6105	AAC	250,404	$1,359,443.62	53	Mill and Overlay	100
Runway 14-32	6112	AC	12,000	$44,484.03	59	Mill and Overlay	100
Runway 14-32	6115	AC	110,000	$407,770.25	59	Mill and Overlay	100
Runway 14-32	6120	AC	40,000	$171,240.08	57	Mill and Overlay	100
Taxiway Alpha 2	110	AAC	9,350	$24,319.37	63	Mill and Overlay	100
Taxiway Alpha 3	120	AAC	9,350	$37,343.92	58	Mill and Overlay	100
Taxiway Alpha 4	125	AAC	9,350	$37,343.92	58	Mill and Overlay	100
Taxiway Alpha 5	130	AAC	9,340	$21,743.53	64	Mill and Overlay	100
Connector Taxiway to Apron	205	AAC	7,890	$22,675.88	62	Mill and Overlay	100
Connector Taxiway to Apron	209	AAC	4,600	$28,934.00	45	Mill and Overlay	100
Connector Taxiway to Apron	210	AAC	3,280	$8,531.29	63	Mill and Overlay	100
Connector Taxiway to Apron	212	AAC	2,970	$9,346.60	61	Mill and Overlay	100
Taxiway to Hangars	315	AC	46,120	$132,548.97	62	Mill and Overlay	100
			Total	**$5,291,803.29**	**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	4107	AAC	8,500	$84,617.52	35	Reconstruction	100
Apron	4110	AC	65,030	$42,269.50	60	Microsurfacing	100
Apron	4112	AC	10,880	$7,072.00	42	Microsurfacing	100
Apron	4120	AC	122,850	$79,852.50	61	Microsurfacing	100
Apron	4125	AC	208,085	$2,224,013.13	34	Reconstruction	100
Runway 14-32	6105	AAC	250,404	$162,762.60	53	Microsurfacing	100
Runway 14-32	6112	AC	12,000	$7,800.00	59	Microsurfacing	100
Runway 14-32	6115	AC	110,000	$71,500.00	59	Microsurfacing	100
Runway 14-32	6120	AC	40,000	$26,000.00	57	Microsurfacing	100
Taxiway Alpha 2	110	AAC	9,350	$6,077.50	63	Microsurfacing	100
Taxiway Alpha 3	120	AAC	9,350	$6,077.50	58	Microsurfacing	100
Taxiway Alpha 4	125	AAC	9,350	$6,077.50	58	Microsurfacing	100
Taxiway Alpha 5	130	AAC	9,340	$6,071.00	64	Microsurfacing	100
Connector Taxiway to Apron	205	AAC	7,890	$5,128.50	62	Microsurfacing	100
Connector Taxiway to Apron	209	AAC	4,600	$2,990.00	45	Microsurfacing	100
Connector Taxiway to Apron	210	AAC	3,280	$2,132.00	63	Microsurfacing	100
Connector Taxiway to Apron	212	AAC	2,970	$1,930.50	61	Microsurfacing	100
Taxiway to Hangars	315	AC	46,120	$29,978.00	62	Microsurfacing	100
			Total	**$2,772,349.75**	**55**		**100**

* Costs are adjusted for inflation.

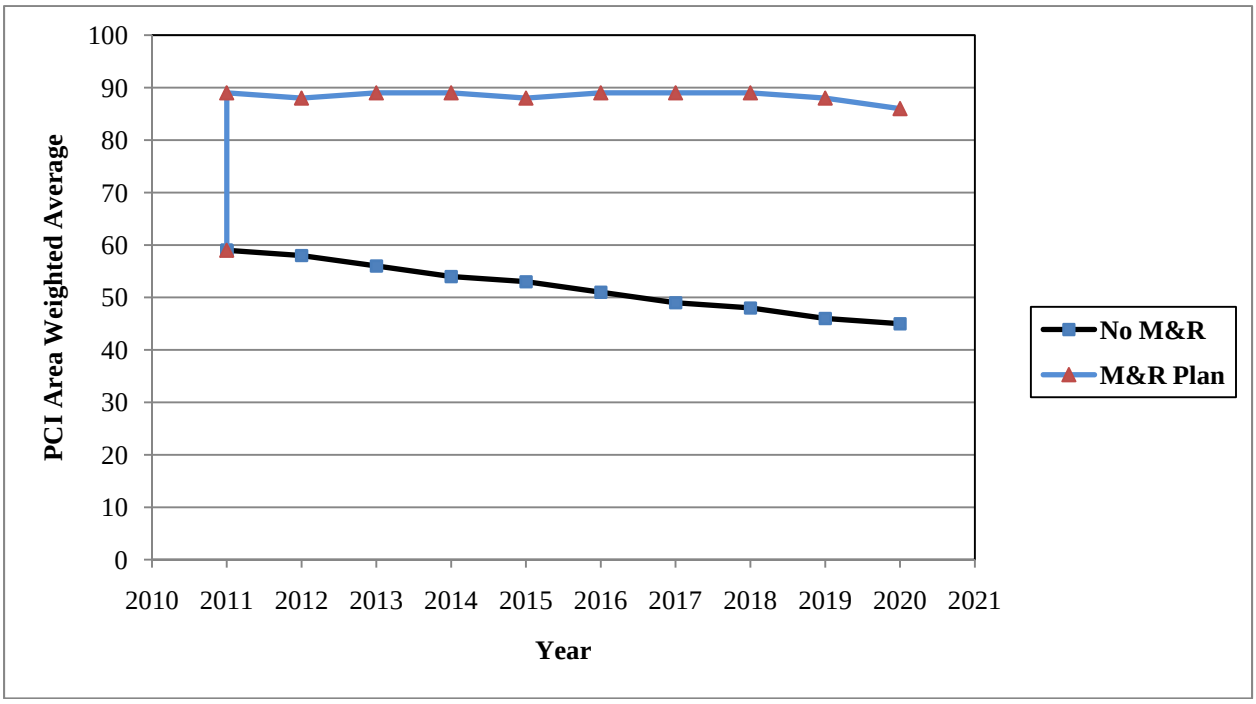
In addition to the immediate Major M&R needs, maintenance activities for pavement areas above critical PCI have been recommended by MicroPAVER for Year 1 and are shown in Table 6-3 below. The costs provided in Table 5-5 were used to calculate the costs associated with this work, which is intended to 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
Runway 14-32	RW 14-32	6110	L & T CR	M	Crack Sealing - AC	3,003.00	Ft	$2.25	$6,756.84
Runway 14-32	RW 14-32	6110	WEATH/RAVEL	L	Surface Seal - Rejuvenating	6,720.00	SqFt	$0.40	$2,688.03
Run-Up Aprons	AP RU	5110	WEATH/RAVEL	L	Surface Seal - Rejuvenating	1,621.30	SqFt	$0.40	$648.53
Run-Up Aprons	AP RU	5105	L & T CR	M	Crack Sealing - AC	163.90	Ft	$2.25	$368.72
Run-Up Aprons	AP RU	5105	WEATH/RAVEL	L	Surface Seal - Rejuvenating	491.60	SqFt	$0.40	$196.65
Apron	AP	4150	WEATH/RAVEL	L	Surface Seal - Rejuvenating	29,850.00	SqFt	$0.40	$11,940.08
Apron	AP	4115	WEATH/RAVEL	L	Surface Seal - Rejuvenating	13,563.00	SqFt	$0.40	$5,425.24
Apron	AP	4115	L & T CR	M	Crack Sealing - AC	2,206.30	Ft	$2.25	$4,964.12
Apron	AP	4105	OIL SPILLAGE	N	Patching - AC Shallow	275.50	SqFt	$2.90	$798.87
Apron	AP	4105	WEATH/RAVEL	L	Surface Seal - Rejuvenating	1,063.80	SqFt	$0.40	$425.53
Apron	AP	4105	L & T CR	M	Crack Sealing - AC	1,234.00	Ft	$2.25	$2,776.59
Taxiway to Hangars	TW HANG	310	WEATH/RAVEL	L	Surface Seal - Rejuvenating	9,200.00	SqFt	$0.40	$3,680.03
Taxiway to Hangars	TW HANG	305	WEATH/RAVEL	L	Surface Seal - Rejuvenating	4,162.40	SqFt	$0.40	$1,664.96
Taxiway Alpha	TW A	150	L & T CR	M	Crack Sealing - AC	1,539.50	Ft	$2.25	$3,463.93
Taxiway Alpha	TW A	150	WEATH/RAVEL	L	Surface Seal - Rejuvenating	1,033.20	SqFt	$0.40	$413.30
Taxiway Alpha	TW A	135	L & T CR	M	Crack Sealing - AC	252.80	Ft	$2.25	$568.80
Taxiway Alpha	TW A	135	WEATH/RAVEL	L	Surface Seal - Rejuvenating	316.00	SqFt	$0.40	$126.40
Taxiway Alpha	TW A	115	L & T CR	M	Crack Sealing - AC	3,416.00	Ft	$2.25	$7,686.09
Taxiway Alpha	TW A	115	WEATH/RAVEL	L	Surface Seal - Rejuvenating	11,340.00	SqFt	$0.40	$4,536.03
								Total =	$59,128.74

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 60 in 2011 to 45 in ten years if no M&R activities are performed.
- The PCI will remain at or above 86 through the 10-year analysis period under the unlimited budget scenario. A 2020 PCI of 86 with this scenario is 41 PCI points higher than a "No M&R" scenario. The total cost for Major M&R over this 10-year period is about $6.7 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	$59,128.74	$5,291,803.29	$5,350,932.03
2012	$106,308.07	$0.00	$106,308.07
2013	$80,744.68	$386,316.36	$467,061.04
2014	$79,703.56	$115,008.37	$194,711.93
2015	$77,395.18	$120,991.52	$198,386.70
2016	$60,499.55	$263,836.45	$324,336.00
2017	$49,656.70	$225,271.39	$274,928.09
2018	$39,014.24	$223,153.77	$262,168.01
2019	$60,337.92	$53,643.09	$113,981.01
2020	$82,316.43	$0.00	$82,316.43
Total	**$695,105.07**	**$6,680,024.24**	**$7,375,129.31**

Note: Costs are adjusted for inflation.

Approximately 79% of the total Major M&R cost is required in the first year (2011). According to the 2011 inspections, the following pavement sections were in immediate need of Major M&R Activity:

- **Apron** – Asphalt Pavement reconstruction and mill and overlay activity per the FAA P-401 Specification.
- **Runway 14-32** – Asphalt Pavement mill and overlay activity per the FAA P-401 Specification.
- **Taxiway Alpha 2 –** Asphalt Pavement mill and overlay activity per the FAA P-401 Specification.
- **Taxiway Alpha 3** – Asphalt Pavement mill and overlay activity per the FAA P-401 Specification.
- **Taxiway Alpha 4 –** Asphalt Pavement mill and overlay activity per the FAA P-401 Specification.

- **Taxiway Alpha 5** – Asphalt Pavement mill and overlay activity per the FAA P-401 Specification.
- **Connector Taxiway to Apron** – Asphalt Pavement mill and overlay activity per the FAA P-401 Specification.
- **Taxiway to Hangars** – 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 Destin-Fort Walton Beach Airport, and a 10-year M&R plan was developed based on the unlimited funding scenario.

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

- **Apron** – Asphalt Pavement reconstruction and mill and overlay activity per the FAA P-401 Specification.
- **Runway 14-32** – Asphalt Pavement mill and overlay activity per the FAA P-401 Specification.
- **Taxiway Alpha 2 –** Asphalt Pavement mill and overlay activity per the FAA P-401 Specification.
- **Taxiway Alpha 3** – Asphalt Pavement mill and overlay activity per the FAA P-401 Specification.
- **Taxiway Alpha 4 –** Asphalt Pavement mill and overlay activity per the FAA P-401 Specification.
- **Taxiway Alpha 5** – Asphalt Pavement mill and overlay activity per the FAA P-401 Specification.
- **Connector Taxiway to Apron** – Asphalt Pavement mill and overlay activity per the FAA P-401 Specification.
- **Taxiway to Hangars** – Asphalt Pavement mill and overlay activity per the FAA P-401 Specification.

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

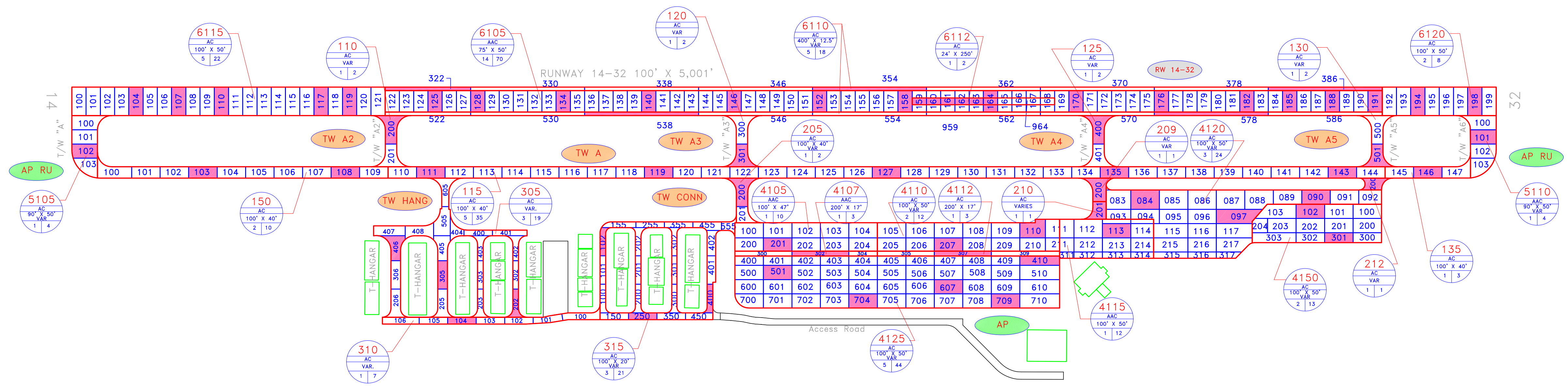
APPENDIX A

NETWORK DEFINITION MAP

SYSTEM INVENTORY MAP

PAVEMENT INVENTORY TABLE

WORK HISTORY REPORT



GRAPHIC SCALE IN FEET

0 100 200 400

GPS COORDINATES - DESTIN - FT. WALTON BEACH AIRPORT				
LOCATION	SECTION	SAMPLE	LATITUDE	LONGITUDE
RW 14-32	6120	194	30.3952261	-86.46714359
RW 14-32	6120	198	30.39479194	-86.46675427
RW 14-32	6115	104	30.40499442	-86.47590436
RW 14-32	6115	107	30.40466882	-86.47561231
RW 14-32	6115	110	30.40434322	-86.47532026
RW 14-32	6115	117	30.40358348	-86.47463881
RW 14-32	6115	119	30.40336641	-86.47444412
RW 14-32	6110	322	30.4028433	-86.47379914
RW 14-32	6110	354	30.39947867	-86.47078149
RW 14-32	6110	386	30.39600544	-86.4676667
RW 14-32	6110	538	30.4010676	-86.47255808
RW 14-32	6110	578	30.39672609	-86.46866449
RW 14-32	6105	125	30.4027152	-86.47386003
RW 14-32	6105	128	30.40238959	-86.47356799
RW 14-32	6105	134	30.40173838	-86.47298391
RW 14-32	6105	140	30.40108716	-86.47239985
RW 14-32	6105	146	30.40043594	-86.47181579
RW 14-32	6105	152	30.39978472	-86.47123174
RW 14-32	6105	158	30.3991335	-86.47064769
RW 14-32	6105	164	30.39848227	-86.47006366
RW 14-32	6105	170	30.39783104	-86.46947963
RW 14-32	6105	176	30.39717981	-86.46889561
RW 14-32	6105	182	30.39652857	-86.4683116
RW 14-32	6105	185	30.39620296	-86.46801959

LOCATION	SECTION	SAMPLE	LATITUDE	LONGITUDE
RW 14-32	6105	188	30.39587734	-86.46772759
RW 14-32	6105	191	30.39555172	-86.46743559
AP RU	5110	101	30.39451587	-86.46700889
AP RU	5105	102	30.4050887	-86.47669053
AP	4150	102	30.39539214	-86.46884724
AP	4150	301	30.39501897	-86.46888421
AP	4125	410	30.39716157	-86.4711311
AP	4125	501	30.39908861	-86.47302609
AP	4125	607	30.3977018	-86.4719832
AP	4125	704	30.39826863	-86.47269245
AP	4125	709	30.39718327	-86.47171905
AP	4120	84	30.39672038	-86.46987367
AP	4120	90	30.3954331	-86.4686831
AP	4120	97	30.39591899	-86.46938232
AP	4115	113	30.39675351	-86.47034129
AP	4112	307	30.39778986	-86.47159413
AP	4110	110	30.39739842	-86.47089798
AP	4110	207	30.3979524	-86.47161134
AP	4107	302	30.39887523	-86.47256754
AP	4105	201	30.39925484	-86.47277943
TW HANG	315	102	30.40060501	-86.47393076
TW HANG	315	250	30.39985657	-86.4743336
TW HANG	315	400	30.39944594	-86.47373742
TW HANG	310	104	30.40120873	-86.47560789
TW HANG	305	202	30.40087985	-86.47512064

LOCATION	SECTION	SAMPLE	LATITUDE	LONGITUDE
TW HANG	305	305	30.40162784	-86.47533682
TW HANG	305	406	30.40218271	-86.47541023
TW CONN	212	200	30.39507494	-86.46816224
TW CONN	210	201	30.39701787	-86.47031841
TW CONN	209	200	30.39716397	-86.47008272
TW CONN	205	200	30.39986482	-86.4725203
TW A	150	103	30.40406239	-86.47607287
TW A	150	108	30.40297705	-86.47509938
TW A	135	146	30.39472824	-86.4677015
TW A5	130	501	30.39518942	-86.467934
TW A4	125	400	30.39751981	-86.46953334
TW A3	120	301	30.40003097	-86.47227595
TW A	115	111	30.40232585	-86.47451529
TW A	115	119	30.40058928	-86.47295776
TW A	115	127	30.3988527	-86.47140028
TW A	115	135	30.3971161	-86.46984286
TW A	115	143	30.39537948	-86.4682855
TW A2	110	200	30.4029107	-86.47436823

NOTE: GEODETICS REPRESENT DECIMAL DEGREES (NAD 83 FLORIDA STATE PLANES, NORTH 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 — SECTION NUMBER
- AC — PAVEMENT TYPE
- 100' X 50' — TYPICAL SAMPLE UNIT INFORMATION: FLEXIBLE (AC) PAVEMENT LENGTH & WIDTH; RIGID (PCC) PAVEMENT NO. OF SLABS AND SLAB SIZE
- 14 — NUMBER OF SAMPLE UNITS IN SECTION
- 5 — NUMBER OF SAMPLE UNITS TO BE INSPECTED
- 100 — INSPECTED SAMPLE UNITS. GPS COORDINATES ARE AT THE CENTROID OF THE SAMPLE UNIT.

TOTAL SAMPLES INSPECTED = 68

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

NUMBER	DATE	REVISIONS

DESIGNED: ELT DRAWN: ALB CHECKED: DRB DATE:

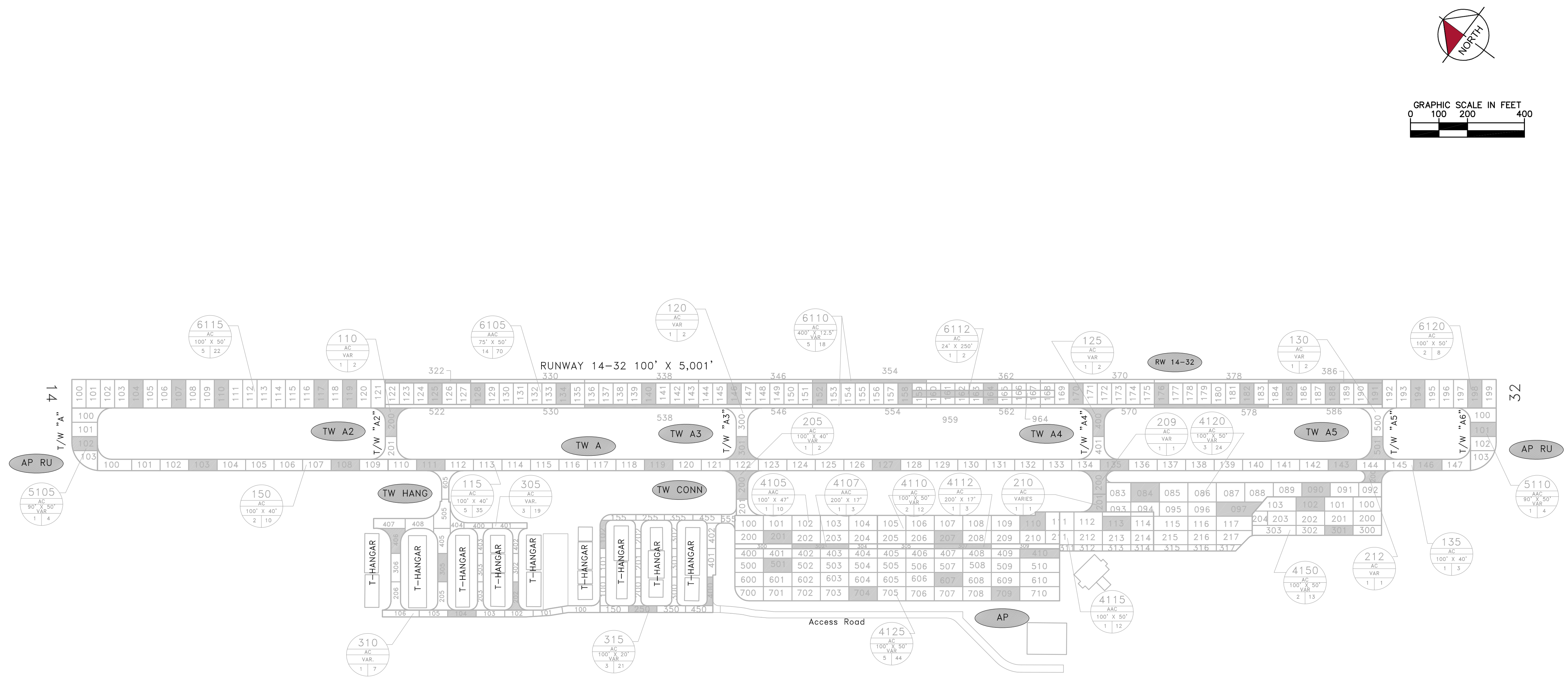
NETWORK DEFINITION MAP

DESTIN - FT. WALTON BEACH AIRPORT
OKALOOSA COUNTY, FLORIDA

FLORIDA DEPARTMENT OF TRANSPORTATION - AVIATION OFFICE

IDENTIFIER: **DTS**

FDOT DISTRICT: 3



CONSTRUCTION SINCE LAST INSPECTION
& ANTICIPATED CONSTRUCTION ACTIVITY

CONSTRUCTION YEAR	LOCATION	WORK TYPE / PAVEMENT SECTION
NO INFORMATION PROVIDED		

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: ELT | DRAWN: ALB | CHECKED: DRB | DATE:

SYSTEM INVENTORY MAP

DESTIN - FT. WALTON BEACH AIRPORT
OKALOOSA COUNTY, FLORIDA

FLORIDA DEPARTMENT OF TRANSPORTATION - AVIATION OFFICE

IDENTIFIER: **DTS**

FDOT DISTRICT: 3

Table A-1: Pavement Inventory

Branch Name	Branch ID	Branch Use	Section ID	Length (ft)	Width (ft)	True Area (ft^2)	Section Rank	Surface Type	Last Const. Date	Last Insp. Date	Total Samples
Apron	AP	APRON	4105	500	100	50,000	P	AAC	1/1/1985	2/9/2011	10
Apron	AP	APRON	4107	500	17	8,500	P	AAC	1/1/1985	2/9/2011	3
Apron	AP	APRON	4110	640	100	65,030	P	AC	1/1/1974	2/9/2011	12
Apron	AP	APRON	4112	640	17	10,880	P	AC	1/1/1974	2/9/2011	3
Apron	AP	APRON	4115	350	119	45,210	P	AAC	1/1/1975	2/9/2011	12
Apron	AP	APRON	4120	350	250	122,850	P	AC	1/1/1987	2/9/2011	24
Apron	AP	APRON	4125	1,140	180	208,085	P	AC	1/1/1983	2/9/2011	44
Apron	AP	APRON	4150	450	130	59,700	P	AC	1/1/1992	2/9/2011	13
Run-up Aprons	AP RU	APRON	5105	200	90	18,190	P	AAC	1/1/1992	2/9/2011	4
Run-up Aprons	AP RU	APRON	5110	175	100	18,240	P	AAC	1/1/1992	2/9/2011	4
Runway 14-32	RW 14-32	RUNWAY	6105	3,500	75	250,404	P	AAC	1/1/1972	2/9/2011	70
Runway 14-32	RW 14-32	RUNWAY	6110	7,000	12	87,500	P	AC	1/1/1972	2/9/2011	18
Runway 14-32	RW 14-32	RUNWAY	6112	500	24	12,000	P	AC	1/1/1992	2/9/2011	2
Runway 14-32	RW 14-32	RUNWAY	6115	1,100	100	110,000	P	AC	1/1/1974	2/9/2011	22
Runway 14-32	RW 14-32	RUNWAY	6120	400	100	40,000	P	AC	1/1/1974	2/9/2011	8
Taxiway Alpha	TW A	TAXIWAY	115	3,500	40	140,000	P	AAC	1/1/1992	2/9/2011	35
Taxiway Alpha	TW A	TAXIWAY	135	300	40	12,640	P	AAC	1/1/1992	2/9/2011	3
Taxiway Alpha	TW A	TAXIWAY	150	1,000	40	41,330	P	AAC	1/1/1992	2/9/2011	10
Taxiway Alpha 2	TW A2	TAXIWAY	110	180	40	9,350	P	AAC	1/1/1992	2/9/2011	2
Taxiway Alpha 3	TW A3	TAXIWAY	120	180	40	9,350	P	AAC	1/1/1992	2/9/2011	2
Taxiway Alpha 4	TW A4	TAXIWAY	125	180	40	9,350	P	AAC	1/1/1992	2/9/2011	2
Taxiway Alpha 5	TW A5	TAXIWAY	130	180	40	9,340	P	AAC	1/1/1992	2/9/2011	2
Connector Taxiway to Apron	TW CONN	TAXIWAY	205	165	40	7,890	P	AAC	1/1/1992	2/9/2011	2

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
Connector Taxiway to Apron	TW CONN	TAXIWAY	209	100	40	4,600	P	AAC	1/1/1992	2/9/2011	1
Connector Taxiway to Apron	TW CONN	TAXIWAY	210	65	40	3,280	P	AAC	1/1/1972	2/9/2011	1
Connector Taxiway to Apron	TW CONN	TAXIWAY	212	55	40	2,970	P	AAC	1/1/1992	2/9/2011	1
Taxiway to Hangars	TW HANG	TAXIWAY	305	1,700	30	57,560	P	AC	12/25/1999	2/9/2011	19
Taxiway to Hangars	TW HANG	TAXIWAY	310	765	24	18,400	P	AC	12/25/1999	2/9/2011	7
Taxiway to Hangars	TW HANG	TAXIWAY	315	1,500	30	46,120	P	AC	12/25/1999	2/9/2011	21

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: DTS **Branch:** AP (APRON) **Section:** 4105 **Surface:** AAC
L.C.D.: 01/01/1985 **Use:** APRON **Rank:** P **Length:** 500.00 Ft **Width:** 100.00 Ft **True Area:** 50.000.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1985	INITIAL	Initial Construction	$0	0.00	True	

Network: DTS **Branch:** AP (APRON) **Section:** 4107 **Surface:** AAC
L.C.D.: 01/01/1985 **Use:** APRON **Rank:** P **Length:** 500.00 Ft **Width:** 17.00 Ft **True Area:** 8.500.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1985	INITIAL	Initial Construction	$0	0.00	True	

Network: DTS **Branch:** AP (APRON) **Section:** 4110 **Surface:** AC
L.C.D.: 01/01/1974 **Use:** APRON **Rank:** P **Length:** 640.00 Ft **Width:** 100.00 Ft **True Area:** 65.030.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1974	INITIAL	Initial Construction	$0	0.00	True	

Network: DTS **Branch:** AP (APRON) **Section:** 4112 **Surface:** AC
L.C.D.: 01/01/1974 **Use:** APRON **Rank:** P **Length:** 640.00 Ft **Width:** 17.00 Ft **True Area:** 10.880.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1974	INITIAL	Initial Construction	$0	0.00	True	

Network: DTS **Branch:** AP (APRON) **Section:** 4115 **Surface:** AAC
L.C.D.: 01/01/1975 **Use:** APRON **Rank:** P **Length:** 350.00 Ft **Width:** 119.00 Ft **True Area:** 45.210.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1975	INITIAL	Initial Construction	$0	0.00	True	

Network: DTS **Branch:** AP (APRON) **Section:** 4120 **Surface:** AC
L.C.D.: 01/01/1987 **Use:** APRON **Rank:** P **Length:** 350.00 Ft **Width:** 250.00 Ft **True Area:** 122.850.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1987	INITIAL	Initial Construction	$0	0.00	True	

Network: DTS **Branch:** AP (APRON) **Section:** 4125 **Surface:** AC
L.C.D.: 01/01/1983 **Use:** APRON **Rank:** P **Length:** 1.140.00 Ft **Width:** 180.00 Ft **True Area:** 208.085.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1983	INITIAL	Initial Construction	$0	0.00	True	

Network: DTS **Branch:** AP (APRON) **Section:** 4150 **Surface:** AC
L.C.D.: 01/01/1992 **Use:** APRON **Rank:** P **Length:** 450.00 Ft **Width:** 130.00 Ft **True Area:** 59.700.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1992	INITIAL	Initial Construction	$0	0.00	True	

Network: DTS **Branch:** AP RU (RUN-UP APRONS) **Section:** 5105 **Surface:** AAC
L.C.D.: 01/01/1992 **Use:** APRON **Rank:** P **Length:** 200.00 Ft **Width:** 90.00 Ft **True Area:** 18.190.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1992	INITIAL	Initial Construction	$0	0.00	True	

Network: DTS **Branch:** AP RU (RUN-UP APRONS) **Section:** 5110 **Surface:** AAC
L.C.D.: 01/01/1992 **Use:** APRON **Rank:** P **Length:** 175.00 Ft **Width:** 100.00 Ft **True Area:** 18,240.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1992	INITIAL	Initial Construction	$0	0.00	True	

Network: DTS **Branch:** RW 14-32 (RUNWAY 14-32) **Section:** 6105 **Surface:** AAC
L.C.D.: 01/01/1972 **Use:** RUNWAY **Rank:** P **Length:** 3,500.00 Ft **Width:** 75.00 Ft **True Area:** 250,404.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1972	INITIAL	Initial Construction	$0	0.00	True	

Network: DTS **Branch:** RW 14-32 (RUNWAY 14-32) **Section:** 6110 **Surface:** AC
L.C.D.: 01/01/1972 **Use:** RUNWAY **Rank:** P **Length:** 7,000.00 Ft **Width:** 12.50 Ft **True Area:** 87,500.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1972	INITIAL	Initial Construction	$0	0.00	True	

Network: DTS **Branch:** RW 14-32 (RUNWAY 14-32) **Section:** 6112 **Surface:** AC
L.C.D.: 01/01/1992 **Use:** RUNWAY **Rank:** P **Length:** 500.00 Ft **Width:** 24.00 Ft **True Area:** 12,000.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1992	INITIAL	Initial Construction	$0	0.00	True	

Network: DTS **Branch:** RW 14-32 (RUNWAY 14-32) **Section:** 6115 **Surface:** AC
L.C.D.: 01/01/1974 **Use:** RUNWAY **Rank:** P **Length:** 1,100.00 Ft **Width:** 100.00 Ft **True Area:** 110,000.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1974	INITIAL	Initial Construction	$0	0.00	True	

Network: DTS **Branch:** RW 14-32 (RUNWAY 14-32) **Section:** 6120 **Surface:** AC
L.C.D.: 01/01/1974 **Use:** RUNWAY **Rank:** P **Length:** 400.00 Ft **Width:** 100.00 Ft **True Area:** 40,000.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1974	INITIAL	Initial Construction	$0	0.00	True	

Network: DTS **Branch:** TW A (TAXIWAY A) **Section:** 115 **Surface:** AAC
L.C.D.: 01/01/1992 **Use:** TAXIWAY **Rank:** P **Length:** 3,500.00 Ft **Width:** 40.00 Ft **True Area:** 140,000.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1992	INITIAL	Initial Construction	$0	0.00	True	

Network: DTS **Branch:** TW A (TAXIWAY A) **Section:** 135 **Surface:** AAC
L.C.D.: 01/01/1992 **Use:** TAXIWAY **Rank:** P **Length:** 300.00 Ft **Width:** 40.00 Ft **True Area:** 12,640.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1992	INITIAL	Initial Construction	$0	0.00	True	

Network: DTS **Branch:** TW A (TAXIWAY A) **Section:** 150 **Surface:** AAC
L.C.D.: 01/01/1992 **Use:** TAXIWAY **Rank:** P **Length:** 1,000.00 Ft **Width:** 40.00 Ft **True Area:** 41,330.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1992	INITIAL	Initial Construction	$0	0.00	True	

Network: DTS **Branch:** TW A2 (TAXIWAY A2) **Section:** 110 **Surface:** AAC
L.C.D.: 01/01/1992 **Use:** TAXIWAY **Rank:** P **Length:** 180.00 Ft **Width:** 40.00 Ft **True Area:** 9,350.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1992	INITIAL	Initial Construction	$0	0.00	True	

Network: DTS **Branch:** TW A3 (TAXIWAY A3) **Section:** 120 **Surface:** AAC
L.C.D.: 01/01/1992 **Use:** TAXIWAY **Rank:** P **Length:** 180.00 Ft **Width:** 40.00 Ft **True Area:** 9,350.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1992	INITIAL	Initial Construction	$0	0.00	True	

Network: DTS **Branch:** TW A4 (TAXIWAY A4) **Section:** 125 **Surface:** AAC
L.C.D.: 01/01/1992 **Use:** TAXIWAY **Rank:** P **Length:** 180.00 Ft **Width:** 40.00 Ft **True Area:** 9,350.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1992	INITIAL	Initial Construction	$0	0.00	True	

Network: DTS **Branch:** TW A5 (TAXIWAY A5) **Section:** 130 **Surface:** AAC
L.C.D.: 01/01/1992 **Use:** TAXIWAY **Rank:** P **Length:** 180.00 Ft **Width:** 40.00 Ft **True Area:** 9,340.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1992	INITIAL	Initial Construction	$0	0.00	True	

Network: DTS **Branch:** TW CONN (CONNECTOR TAXIWAY TO APRON) **Section:** 205 **Surface:** AAC
L.C.D.: 01/01/1992 **Use:** TAXIWAY **Rank:** P **Length:** 165.00 Ft **Width:** 40.00 Ft **True Area:** 7,890.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1992	INITIAL	Initial Construction	$0	0.00	True	

Network: DTS **Branch:** TW CONN (CONNECTOR TAXIWAY TO APRON) **Section:** 209 **Surface:** AAC
L.C.D.: 01/01/1992 **Use:** TAXIWAY **Rank:** P **Length:** 100.00 Ft **Width:** 40.00 Ft **True Area:** 4,600.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1992	INITIAL	Initial Construction	$0	0.00	True	

Network: DTS **Branch:** TW CONN (CONNECTOR TAXIWAY TO APRON) **Section:** 210 **Surface:** AAC
L.C.D.: 01/01/1972 **Use:** TAXIWAY **Rank:** P **Length:** 65.00 Ft **Width:** 40.00 Ft **True Area:** 3,280.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1972	INITIAL	Initial Construction	$0	0.00	True	

Network: DTS **Branch:** TW CONN (CONNECTOR TAXIWAY TO APRON) **Section:** 212 **Surface:** AAC
L.C.D.: 01/01/1992 **Use:** TAXIWAY **Rank:** P **Length:** 55.00 Ft **Width:** 40.00 Ft **True Area:** 2,970.00 SqF

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
01/01/1992	INITIAL	Initial Construction	$0	0.00	True	

Network: DTS **Branch:** TW HANG (TAXIWAY TO HANGARS) **Section:** 305 **Surface:** AC
L.C.D.: 12/25/1999 **Use:** TAXIWAY **Rank:** P **Length:** 1,700.00 Ft **Width:** 30.00 Ft **True Area:** 57,560.00 SqF

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

Network: DTS **Branch:** TW HANG (TAXIWAY TO HANGARS) **Section:** 310 **Surface:** AC
L.C.D.: 12/25/1999 **Use:** TAXIWAY **Rank:** P **Length:** 765.00 Ft **Width:** 24.00 Ft **True Area:** 18,400.00 SqF

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

Network: DTS **Branch:** TW HANG (TAXIWAY TO HANGARS) **Section:** 315 **Surface:** AC
L.C.D.: 12/25/1999 **Use:** TAXIWAY **Rank:** P **Length:** 1,500.00 Ft **Width:** 30.00 Ft **True Area:** 46,120.00 SqF

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

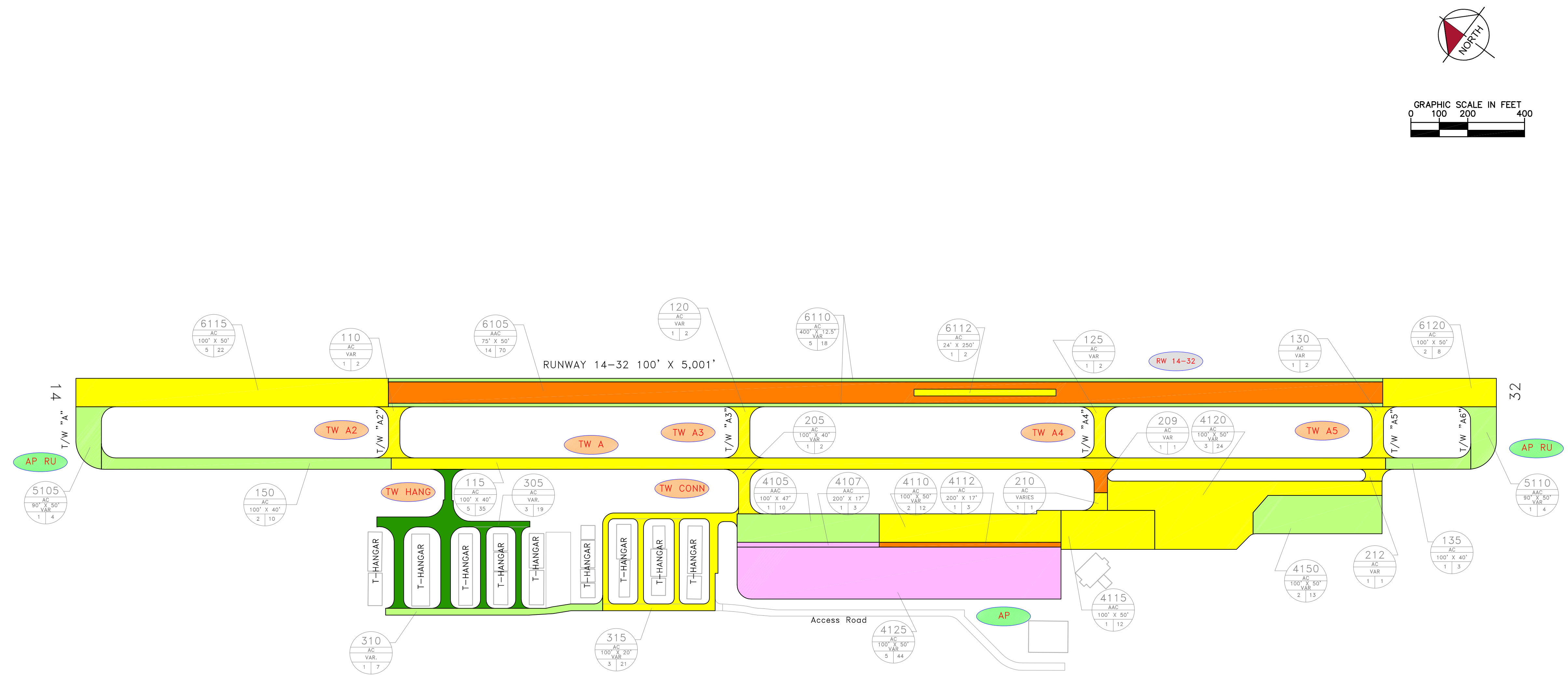
Summary:

Work Description	Section Count	Area Total (SqFt)	Thickness Avg (in)	Thickness STD (in)
Initial Construction	29	1,478,769.00	.00	.00

STD = Standard Deviation

APPENDIX B

2011 CONDITION MAP
PAVEMENT CONDITION INDEX TABLE



LEGEND

RW 13–31 — TYPICAL RUNWAY BRANCH ID
TW A — TYPICAL TAXIWAY BRANCH ID
AP S — TYPICAL APRON BRANCH ID

PCI 86–100 GOOD
PCI 71–85 SATISFACTORY
PCI 56–70 FAIR
PCI 41–55 POOR
PCI 26–40 VERY POOR
PCI 11–25 SERIOUS
PCI 0–10 FAILED

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

NUMBER	DATE	REVISIONS

DESIGNED: ELT | DRAWN: ALB | CHECKED: DRB | DATE:

2011 CONDITION MAP

DESTIN - FT. WALTON BEACH AIRPORT
OKALOOSA COUNTY, FLORIDA

FLORIDA DEPARTMENT OF TRANSPORTATION - AVIATION OFFICE

IDENTIFIER: **DTS**

FDOT DISTRICT: 3

Table B-1: Pavement Condition Index

Branch Name	Branch ID	Branch Use	Section ID	True Area (ft^2)	Section Rank	Surface Type	Total Samples	Total Samples Inspected	PCI	PCI Category
Apron	AP	APRON	4105	50,000	P	AAC	10	1	75	Satisfactory
Apron	AP	APRON	4107	8,500	P	AAC	3	1	35	Very Poor
Apron	AP	APRON	4110	65,030	P	AC	12	3	61	Fair
Apron	AP	APRON	4112	10,880	P	AC	3	1	43	Poor
Apron	AP	APRON	4115	45,210	P	AAC	12	1	70	Fair
Apron	AP	APRON	4120	122,850	P	AC	24	3	62	Fair
Apron	AP	APRON	4125	208,085	P	AC	44	5	35	Very Poor
Apron	AP	APRON	4150	59,700	P	AC	13	2	75	Satisfactory
Run-up Aprons	AP RU	APRON	5105	18,190	P	AAC	4	1	79	Satisfactory
Run-up Aprons	AP RU	APRON	5110	18,240	P	AAC	4	1	77	Satisfactory
Runway 14-32	RW 14-32	RUNWAY	6105	250,404	P	AAC	70	14	54	Poor
Runway 14-32	RW 14-32	RUNWAY	6110	87,500	P	AC	18	5	71	Satisfactory
Runway 14-32	RW 14-32	RUNWAY	6112	12,000	P	AC	2	1	60	Fair
Runway 14-32	RW 14-32	RUNWAY	6115	110,000	P	AC	22	5	60	Fair
Runway 14-32	RW 14-32	RUNWAY	6120	40,000	P	AC	8	2	58	Fair
Taxiway Alpha	TW A	TAXIWAY	115	140,000	P	AAC	35	5	67	Fair
Taxiway Alpha	TW A	TAXIWAY	135	12,640	P	AAC	3	1	75	Satisfactory
Taxiway Alpha	TW A	TAXIWAY	150	41,330	P	AAC	10	2	71	Satisfactory
Taxiway Alpha 2	TW A2	TAXIWAY	110	9,350	P	AAC	2	1	64	Fair
Taxiway Alpha 3	TW A3	TAXIWAY	120	9,350	P	AAC	2	1	59	Fair
Taxiway Alpha 4	TW A4	TAXIWAY	125	9,350	P	AAC	2	1	59	Fair
Taxiway Alpha 5	TW A5	TAXIWAY	130	9,340	P	AAC	2	1	65	Fair
Connector Taxiway to Apron	TW CONN	TAXIWAY	205	7,890	P	AAC	2	1	63	Fair

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	Total Samples Inspected	PCI	PCI Category
Connector Taxiway to Apron	TW CONN	TAXIWAY	209	4,600	P	AAC	1	1	46	Poor
Connector Taxiway to Apron	TW CONN	TAXIWAY	210	3,280	P	AAC	1	1	64	Fair
Connector Taxiway to Apron	TW CONN	TAXIWAY	212	2,970	P	AAC	1	1	62	Fair
Taxiway to Hangars	TW HANG	TAXIWAY	305	57,560	P	AC	19	3	87	Good
Taxiway to Hangars	TW HANG	TAXIWAY	310	18,400	P	AC	7	1	75	Satisfactory
Taxiway to Hangars	TW HANG	TAXIWAY	315	46,120	P	AC	21	3	63	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

Branch Condition Report

Pavement Database: NetworkID: DTS

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)	8	4,570.00	114.13	570,255.00	APRON	57.00	15.90	54.40
AP RU (RUN-UP APRONS)	2	375.00	95.00	36,430.00	APRON	78.00	1.00	78.00
RW 14-32 (RUNWAY 14-32)	5	12,500.00	62.30	499,904.00	RUNWAY	60.60	5.64	58.76
TW A (TAXIWAY A)	3	4,800.00	40.00	193,970.00	TAXIWAY	71.00	3.27	68.37
TW A2 (TAXIWAY A2)	1	180.00	40.00	9,350.00	TAXIWAY	64.00	0.00	64.00
TW A3 (TAXIWAY A3)	1	180.00	40.00	9,350.00	TAXIWAY	59.00	0.00	59.00
TW A4 (TAXIWAY A4)	1	180.00	40.00	9,350.00	TAXIWAY	59.00	0.00	59.00
TW A5 (TAXIWAY A5)	1	180.00	40.00	9,340.00	TAXIWAY	65.00	0.00	65.00
TW CONN (CONNECTOR TAXIWAY TO APRON)	4	385.00	40.00	18,740.00	TAXIWAY	58.75	7.40	58.84
TW HANG (TAXIWAY TO HANGARS)	3	3,965.00	28.00	122,080.00	TAXIWAY	75.00	9.80	76.12

Branch Condition Report

Pavement Database:

Use Category	Number of Sections	Total Area (SqFt)	Arithmetic Average PCI	Average PCI STD.	Weighted Average PCI
APRON	10	606,685.00	61.20	16.52	55.82
RUNWAY	5	499,904.00	60.60	5.64	58.76
TAXIWAY	14	372,180.00	65.71	9.14	69.77
All	29	1,478,769.00	63.28	12.06	60.33

STD = Standard Deviation

Section Condition Report

Pavement Database: *NetworkID: DTS*

Branch ID	Section ID	Last Const. Date	Surface	Use	Rank	Lanes	True Area (SqFt)	Last Inspection Date	Age At Inspection	PCI
AP (APRON)	4105	01/01/1985	AAC	APRON	P	0	50,000.00	02/09/2011	26	75.00
AP (APRON)	4107	01/01/1985	AAC	APRON	P	0	8,500.00	02/09/2011	26	35.00
AP (APRON)	4110	01/01/1974	AC	APRON	P	0	65,030.00	02/09/2011	37	61.00
AP (APRON)	4112	01/01/1974	AC	APRON	P	0	10,880.00	02/09/2011	37	43.00
AP (APRON)	4115	01/01/1975	AAC	APRON	P	0	45,210.00	02/09/2011	36	70.00
AP (APRON)	4120	01/01/1987	AC	APRON	P	0	122,850.00	02/09/2011	24	62.00
AP (APRON)	4125	01/01/1983	AC	APRON	P	0	208,085.00	02/09/2011	28	35.00
AP (APRON)	4150	01/01/1992	AC	APRON	P	0	59,700.00	02/09/2011	19	75.00
AP RU (RUN-UP APRONS)	5105	01/01/1992	AAC	APRON	P	0	18,190.00	02/09/2011	19	79.00
AP RU (RUN-UP APRONS)	5110	01/01/1992	AAC	APRON	P	0	18,240.00	02/09/2011	19	77.00
RW 14-32 (RUNWAY 14-32)	6105	01/01/1972	AAC	RUNWAY	P	0	250,404.00	02/09/2011	39	54.00
RW 14-32 (RUNWAY 14-32)	6110	01/01/1972	AC	RUNWAY	P	0	87,500.00	02/09/2011	39	71.00
RW 14-32 (RUNWAY 14-32)	6112	01/01/1992	AC	RUNWAY	P	0	12,000.00	02/09/2011	19	60.00
RW 14-32 (RUNWAY 14-32)	6115	01/01/1974	AC	RUNWAY	P	0	110,000.00	02/09/2011	37	60.00
RW 14-32 (RUNWAY 14-32)	6120	01/01/1974	AC	RUNWAY	P	0	40,000.00	02/09/2011	37	58.00
TW A (TAXIWAY A)	115	01/01/1992	AAC	TAXIWAY	P	0	140,000.00	02/09/2011	19	67.00
TW A (TAXIWAY A)	135	01/01/1992	AAC	TAXIWAY	P	0	12,640.00	02/09/2011	19	75.00
TW A (TAXIWAY A)	150	01/01/1992	AAC	TAXIWAY	P	0	41,330.00	02/09/2011	19	71.00
TW A2 (TAXIWAY A2)	110	01/01/1992	AAC	TAXIWAY	P	0	9,350.00	02/09/2011	19	64.00
TW A3 (TAXIWAY A3)	120	01/01/1992	AAC	TAXIWAY	P	0	9,350.00	02/09/2011	19	59.00
TW A4 (TAXIWAY A4)	125	01/01/1992	AAC	TAXIWAY	P	0	9,350.00	02/09/2011	19	59.00
TW A5 (TAXIWAY A5)	130	01/01/1992	AAC	TAXIWAY	P	0	9,340.00	02/09/2011	19	65.00
TW CONN (CONNECTOR TAXIWAY TO APRON)	205	01/01/1992	AAC	TAXIWAY	P	0	7,890.00	02/09/2011	19	63.00
TW CONN (CONNECTOR TAXIWAY TO APRON)	209	01/01/1992	AAC	TAXIWAY	P	0	4,600.00	02/09/2011	19	46.00
TW CONN (CONNECTOR TAXIWAY TO APRON)	210	01/01/1972	AAC	TAXIWAY	P	0	3,280.00	02/09/2011	39	64.00
TW CONN (CONNECTOR TAXIWAY TO APRON)	212	01/01/1992	AAC	TAXIWAY	P	0	2,970.00	02/09/2011	19	62.00

Section Condition Report

Pavement Database: *NetworkID: DTS*

Branch ID	Section ID	Last Const. Date	Surface	Use	Rank	Lanes	True Area (SqFt)	Last Inspection Date	Age At Inspection	PCI
TW HANG (TAXIWAY TO HANGARS)	305	12/25/1999	AC	TAXIWAY	P	0	57,560.00	02/09/2011	12	87.00
TW HANG (TAXIWAY TO HANGARS)	310	12/25/1999	AC	TAXIWAY	P	0	18,400.00	02/09/2011	12	75.00
TW HANG (TAXIWAY TO HANGARS)	315	12/25/1999	AC	TAXIWAY	P	0	46,120.00	02/09/2011	12	63.00

Pavement Database:

Age Category	Average Age At Inspection	Total Area (SqFt)	Number of Sections	Arithmetic Average PCI	PCI Standard Deviation	Weighted Average PCI
11-15	12.00	122,080.00	3	75.00	9.80	76.12
16-20	19.00	354,950.00	14	65.86	8.63	69.03
21-25	24.00	122,850.00	1	62.00	0.00	62.00
26-30	26.67	266,585.00	3	48.33	18.86	42.50
36-40	37.63	612,304.00	8	60.13	8.42	59.55
All	24.38	1,478,769.00	29	63.28	12.06	60.33

APPENDIX D

PAVEMENT CONDITION PREDICTION TABLE
PREDICTED PCI BY PAVEMENT USE GRAPH

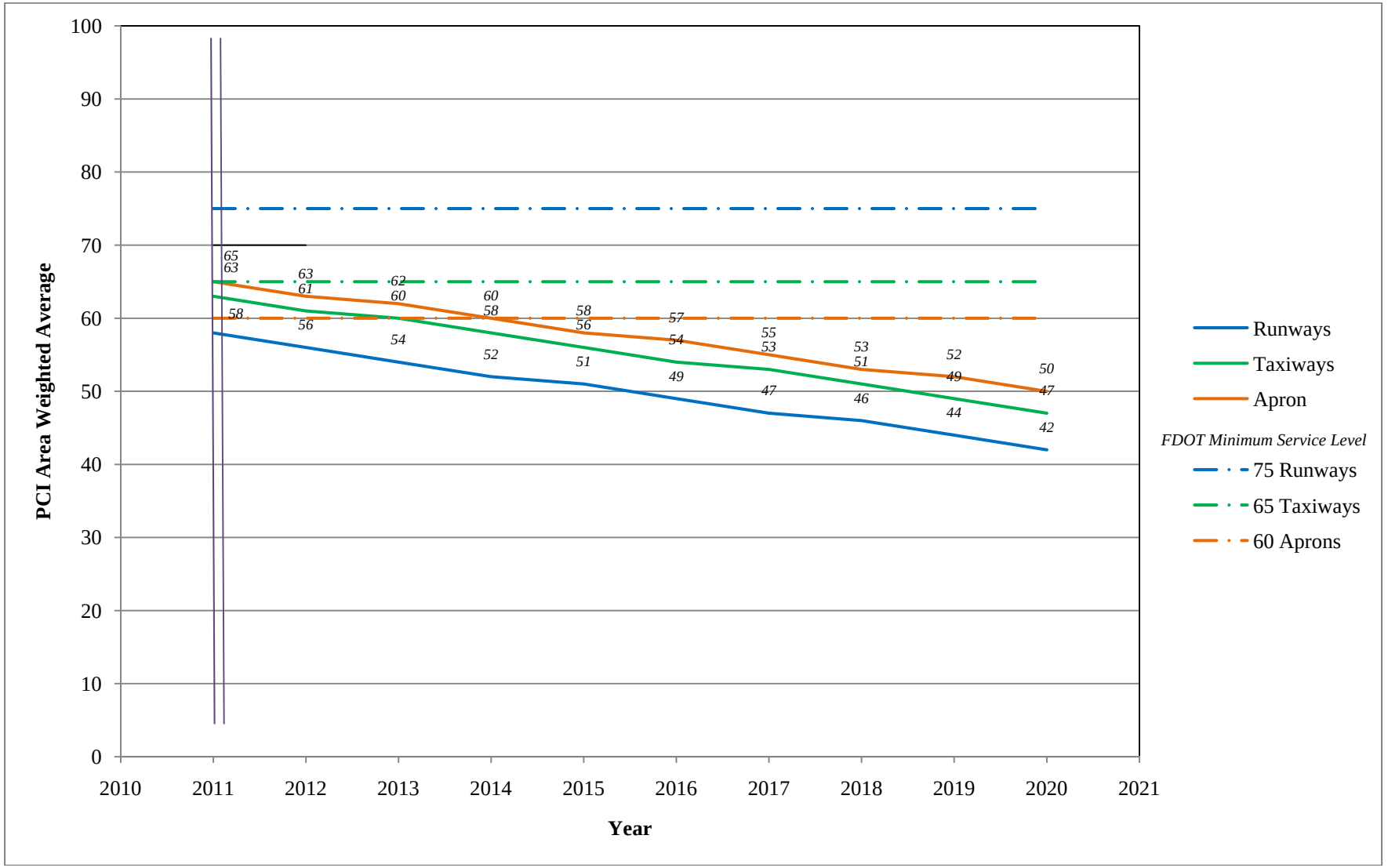
Table D-1: Pavement Condition Prediction

Branch Name	Branch ID	Section ID	Current PCI	PCI Forecast									
				2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Apron	AP	4105	75	74	72	71	69	67	65	64	62	60	59
Apron	AP	4107	35	35	34	33	32	31	30	29	29	28	27
Apron	AP	4110	61	60	59	58	56	55	53	52	50	49	47
Apron	AP	4112	43	42	41	40	38	37	35	34	32	31	29
Apron	AP	4115	70	69	68	66	64	62	61	59	58	56	54
Apron	AP	4120	62	61	60	59	57	56	54	53	51	50	48
Apron	AP	4125	35	34	33	32	30	29	27	26	24	23	21
Apron	AP	4150	75	74	73	72	70	69	67	66	64	63	61
Run-Up Aprons	AP RU	5105	79	78	76	74	73	71	69	67	65	64	62
Run-Up Aprons	AP RU	5110	77	76	74	72	71	69	67	65	64	62	60
Runway 14-32	RW 14-32	6105	54	53	51	49	47	45	43	42	40	38	36
Runway 14-32	RW 14-32	6110	71	70	69	68	66	65	63	62	60	59	57
Runway 14-32	RW 14-32	6112	60	59	58	57	55	54	52	51	49	48	46
Runway 14-32	RW 14-32	6115	60	59	58	57	55	54	52	51	49	48	46
Runway 14-32	RW 14-32	6120	58	57	56	55	53	52	50	49	47	46	44
Taxiway Alpha	TW A	115	67	66	65	63	61	59	58	56	54	52	51
Taxiway Alpha	TW A	135	75	74	73	71	69	67	66	64	62	60	59
Taxiway Alpha	TW A	150	71	70	69	67	65	63	62	60	58	56	55
Taxiway Alpha 2	TW A2	110	64	63	62	60	58	56	55	53	51	49	48
Taxiway Alpha 3	TW A3	120	59	58	57	55	53	51	50	48	46	44	43
Taxiway Alpha 4	TW A4	125	59	58	57	55	53	51	50	48	46	44	43
Taxiway Alpha 5	TW A5	130	65	64	63	61	59	57	56	54	52	50	49
Taxiway Connector to Apron	TW CONN	205	63	62	61	59	57	55	54	52	50	48	47
Taxiway Connector to Apron	TW CONN	209	46	45	44	42	40	38	37	35	33	31	30

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 Connector to Apron	TW CONN	210	64	63	62	60	58	56	55	53	51	49	48
Taxiway Connector to Apron	TW CONN	212	62	61	60	58	56	54	53	51	49	47	46
Taxiway to Hangars	TW HANG	305	87	86	85	83	81	79	78	76	74	73	71
Taxiway to Hangars	TW HANG	310	75	74	73	71	69	67	66	64	62	61	59
Taxiway to Hangars	TW HANG	315	63	62	61	59	57	55	54	52	50	49	47

Figure D-1: Predicted PCI by Pavement Use



APPENDIX E

YEAR 1 MAINTENANCE ACTIVITIES TABLE

Table E-1: Year 1 Maintenance Activities

Branch Name	Branch ID	Section ID	Distress Description	Distress Severity	Work Description	Work Quantity	Work Unit	Unit Cost	Work Cost
Runway 14-32	RW 14-32	6110	L & T CR	M	Crack Sealing - AC	3,003.00	Ft	$2.25	$6,756.84
Runway 14-32	RW 14-32	6110	WEATH/RAVEL	L	Surface Seal - Rejuvenating	6,720.00	SqFt	$0.40	$2,688.03
Run-Up Aprons	AP RU	5110	WEATH/RAVEL	L	Surface Seal - Rejuvenating	1,621.30	SqFt	$0.40	$648.53
Run-Up Aprons	AP RU	5105	L & T CR	M	Crack Sealing - AC	163.90	Ft	$2.25	$368.72
Run-Up Aprons	AP RU	5105	WEATH/RAVEL	L	Surface Seal - Rejuvenating	491.60	SqFt	$0.40	$196.65
Apron	AP	4150	WEATH/RAVEL	L	Surface Seal - Rejuvenating	29,850.00	SqFt	$0.40	$11,940.08
Apron	AP	4115	WEATH/RAVEL	L	Surface Seal - Rejuvenating	13,563.00	SqFt	$0.40	$5,425.24
Apron	AP	4115	L & T CR	M	Crack Sealing - AC	2,206.30	Ft	$2.25	$4,964.12
Apron	AP	4105	OIL SPILLAGE	N	Patching - AC Shallow	275.50	SqFt	$2.90	$798.87
Apron	AP	4105	WEATH/RAVEL	L	Surface Seal - Rejuvenating	1,063.80	SqFt	$0.40	$425.53
Apron	AP	4105	L & T CR	M	Crack Sealing - AC	1,234.00	Ft	$2.25	$2,776.59
Taxiway to Hangars	TW HANG	310	WEATH/RAVEL	L	Surface Seal - Rejuvenating	9,200.00	SqFt	$0.40	$3,680.03
Taxiway to Hangars	TW HANG	305	WEATH/RAVEL	L	Surface Seal - Rejuvenating	4,162.40	SqFt	$0.40	$1,664.96
Taxiway Alpha	TW A	150	L & T CR	M	Crack Sealing - AC	1,539.50	Ft	$2.25	$3,463.93
Taxiway Alpha	TW A	150	WEATH/RAVEL	L	Surface Seal - Rejuvenating	1,033.20	SqFt	$0.40	$413.30
Taxiway Alpha	TW A	135	L & T CR	M	Crack Sealing - AC	252.80	Ft	$2.25	$568.80
Taxiway Alpha	TW A	135	WEATH/RAVEL	L	Surface Seal - Rejuvenating	316.00	SqFt	$0.40	$126.40
Taxiway Alpha	TW A	115	L & T CR	M	Crack Sealing - AC	3,416.00	Ft	$2.25	$7,686.09
Taxiway Alpha	TW A	115	WEATH/RAVEL	L	Surface Seal - Rejuvenating	11,340.00	SqFt	$0.40	$4,536.03
								Total =	$59,128.74

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	4107	AAC	8,500	$84,617.52	35	Reconstruction	100
2011	Apron	4110	AC	65,030	$222,402.75	60	Mill and Overlay	100
2011	Apron	4112	AC	10,880	$68,435.21	42	Mill and Overlay	100
2011	Apron	4120	AC	122,850	$386,609.22	61	Mill and Overlay	100
2011	Apron	4125	AC	208,085	$2,224,013.13	34	Reconstruction	100
2011	Runway 14-32	6105	AAC	250,404	$1,359,443.62	53	Mill and Overlay	100
2011	Runway 14-32	6112	AC	12,000	$44,484.03	59	Mill and Overlay	100
2011	Runway 14-32	6115	AC	110,000	$407,770.25	59	Mill and Overlay	100
2011	Runway 14-32	6120	AC	40,000	$171,240.08	57	Mill and Overlay	100
2011	Taxiway Alpha 2	110	AAC	9,350	$24,319.37	63	Mill and Overlay	100
2011	Taxiway Alpha 3	120	AAC	9,350	$37,343.92	58	Mill and Overlay	100
2011	Taxiway Alpha 4	125	AAC	9,350	$37,343.92	58	Mill and Overlay	100
2011	Taxiway Alpha 5	130	AAC	9,340	$21,743.53	64	Mill and Overlay	100
2011	Connector Taxiway to Apron	205	AAC	7,890	$22,675.88	62	Mill and Overlay	100
2011	Connector Taxiway to Apron	209	AAC	4,600	$28,934.00	45	Mill and Overlay	100
2011	Connector Taxiway to Apron	210	AAC	3,280	$8,531.29	63	Mill and Overlay	100
2011	Connector Taxiway to Apron	212	AAC	2,970	$9,346.60	61	Mill and Overlay	100
2011	Taxiway to Hangars	315	AC	46,120	$132,548.97	62	Mill and Overlay	100
2013	Taxiway Alpha	115	AAC	140,000	$386,316.36	63	Mill and Overlay	100
2014	Apron	4115	AAC	45,210	$115,008.37	64	Mill and Overlay	100
2015	Taxiway Alpha	150	AAC	41,330	$120,991.52	63	Mill and Overlay	100
2016	Runway 14-32	6110	AC	87,500	$263,836.45	63	Mill and Overlay	100
2017	Apron	4105	AAC	50,000	$138,987.77	64	Mill and Overlay	100

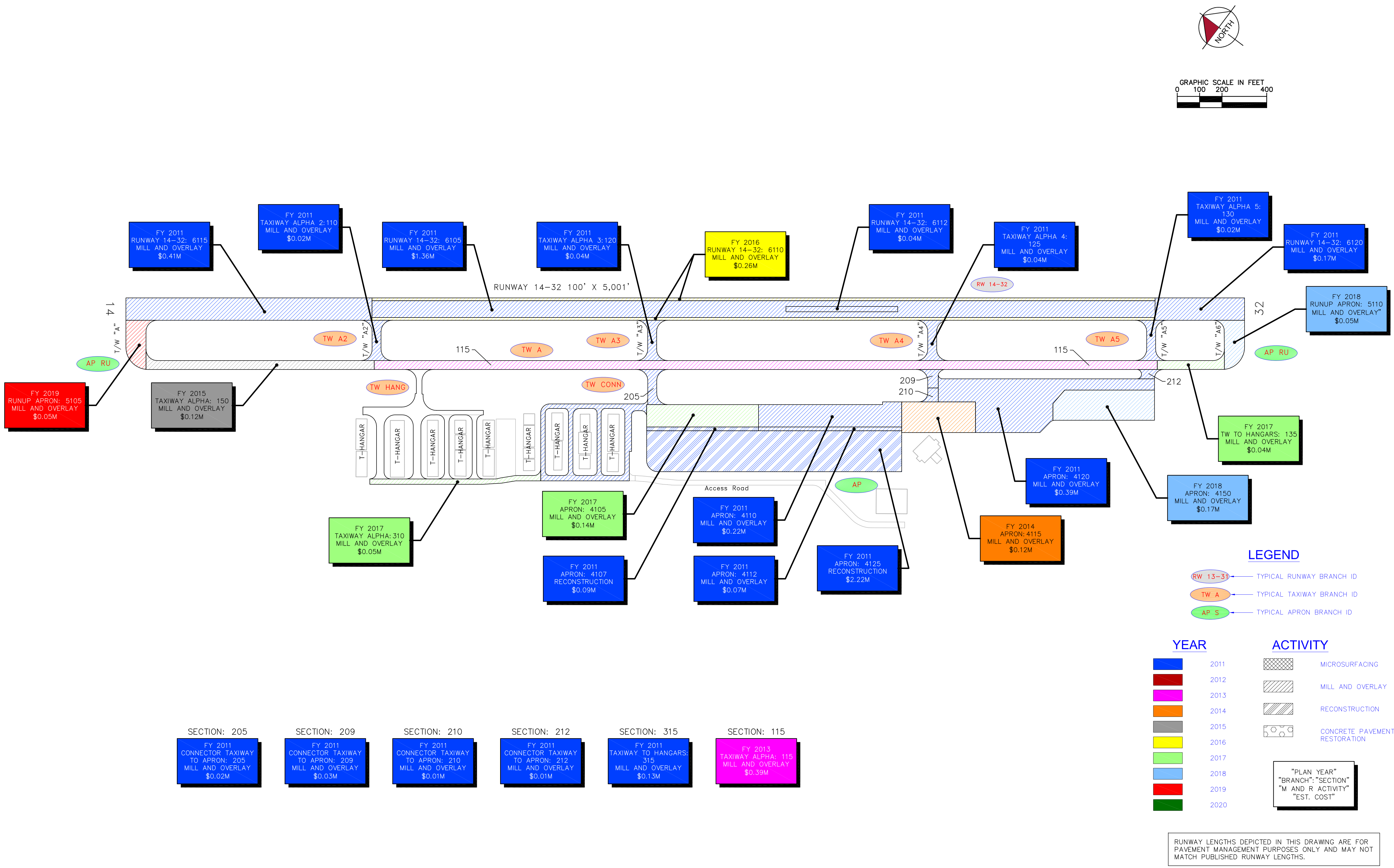
Table F-1: Major M&R Plan by Year under Unlimited Funding Scenario (Continued)

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
2017	Taxiway Alpha	135	AAC	12,640	$35,136.11	64	Mill and Overlay	100
2017	Taxiway to Hangars	310	AC	18,400	$51,147.50	64	Mill and Overlay	100
2018	Apron	4150	AC	59,700	$170,929.95	64	Mill and Overlay	100
2018	Run-up Aprons	5110	AAC	18,240	$52,223.82	64	Mill and Overlay	100
2019	Run-up Aprons	5105	AAC	18,190	$53,643.09	64	Mill and Overlay	100
				Total	**$6,680,024.23**	**58**		**100**

* Costs are adjusted for inflation.

APPENDIX G

10-YEAR M&R MAP



NUMBER	DATE	REVISIONS

DESIGNED: ELT | DRAWN: ALB | CHECKED: DRB | DATE:

10 - YEAR M & R MAP

DESTIN - FT. WALTON BEACH AIRPORT
OKALOOSA COUNTY, FLORIDA

FLORIDA DEPARTMENT OF TRANSPORTATION - AVIATION OFFICE

IDENTIFIER **DTS**

FDOT DISTRICT 3

APPENDIX H

PHOTOGRAPHS

Apron, Section 4125, Sample Unit 501 – Low severity (43) Block Cracking, medium severity (48) Longitudinal and Transverse Cracking, medium severity (52) Weathering and Raveling

Apron, Section 4125, Sample Unit 501 – Low severity (43) Block Cracking, medium severity (48) Longitudinal and Transverse Cracking, medium severity (52) Weathering and Raveling

Apron, Section 4125, Sample Unit 607 – Low severity (43) Block Cracking, medium severity (48) Longitudinal and Transverse Cracking, medium severity (52) Weathering and Raveling

Apron, Section 4107, Sample Unit 302 – Medium severity (43) Block Cracking, medium severity (52) Weathering and Raveling

Apron, Section 4112, Sample Unit 307 – Medium severity (43) Block Cracking, low severity (52) Weathering and Raveling

Runway 14-32, Section 6120, Sample Unit 198 – Low and medium severity (48) Longitudinal and Transverse Cracking, low severity (52) Weathering and Raveling

Runway 14-32, Section 6120, Sample Unit 198 – Low and medium severity (48) Longitudinal and Transverse Cracking, low severity (52) Weathering and Raveling

Runway 14-32, Section 6115, Sample Unit 117 – Low and medium severity (48) Longitudinal and Transverse Cracking, medium severity (52) Weathering and Raveling

Runway 14-32, Section 6115, Sample Unit 117 – Low and medium severity (48) Longitudinal and Transverse Cracking, medium severity (52) Weathering and Raveling

Runway 14-32 Shoulder, Section 6110, Sample Unit 538 – Medium severity (48) Longitudinal and Transverse Cracking, low severity (52) Weathering and Raveling

Taxiway Alpha, Section 150, Sample Unit 103 – Medium severity (48) Longitudinal and Transverse Cracking, low severity (52) Weathering and Raveling

Taxiway Alpha, Section 115, Sample Unit 111 – Low and medium severity (48) Longitudinal and Transverse Cracking, low severity (52) Weathering and Raveling

Taxiway A2, Section 110, Sample Unit 200 – Low severity (43) Block Cracking, medium severity (48) Longitudinal and Transverse Cracking, low severity (52) Weathering and Raveling

Taxiway A2, Section 110, Sample Unit 200 – Low severity (43) Block Cracking, medium severity (48) Longitudinal and Transverse Cracking, low severity (52) Weathering and Raveling

APPENDIX I

PCI RE-INSPECTION REPORT

Re-inspection Report

FDOT
Report Generated Date: 6/3/2011
Site Name:

Network: DTS Name: DESTIN-FORT WALTON BEACH AIRPORT

Branch: AP Name: APRON Use: APRON Area: 570,255.00SqFt

Section: 4105 of 8 From: - To: - Last Const.: 1/1/1985
Surface: AAC Family: FDOT-GA-AP-AAC Zone: Category: Rank: P
Area: 50,000.00SqFt Length: 500.00Ft Width: 100.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date: 2/9/2011 Total Samples: 10 Surveyed: 1
Conditions: PCI:75.00 |
Inspection Comments: KHA

Sample Number: 201 Type: R Area: 4,700.00SqFt PCI = 75
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	116.00	Ft	Comments:
49 OIL SPILLAGE	N	20.00	SqFt	Comments:
52 WEATHERING/RAVELING	L	100.00	SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/3/2011
Site Name:

Network: DTS Name: DESTIN-FORT WALTON BEACH AIRPORT

Branch: AP Name: APRON Use: APRON Area: 570,255.00SqFt

Section: 4107 of 8 From: - To: - Last Const.: 1/1/1985
Surface: AAC Family: FDOT-GA-AP-AAC Zone: Category: Rank: P
Area: 8,500.00SqFt Length: 500.00Ft Width: 17.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date: 2/9/2011 Total Samples: 3 Surveyed: 1
Conditions: PCI:35.00 |
Inspection Comments: KHA

Sample Number: 302 Type: R Area: 3,400.00SqFt PCI = 35
Sample Comments:

43 BLOCK CRACKING	M	2,800.00 SqFt	Comments:
52 WEATHERING/RAVELING	M	2,000.00 SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/3/2011
Site Name:

Network: DTS Name: DESTIN-FORT WALTON BEACH AIRPORT

Branch: AP Name: APRON Use: APRON Area: 570,255.00SqFt

Section: 4110 of 8 From: - To: - Last Const.: 1/1/1974
Surface: AC Family: FDOT-GA-AP-AC Zone: Category: Rank: P
Area: 65,030.00SqFt Length: 640.00Ft Width: 100.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date: 2/9/2011 Total Samples: 12 Surveyed: 2
Conditions: PCI:61.00 |
Inspection Comments: KHA

Sample Number: 110 Type: R Area: 5,200.00SqFt PCI = 35
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	175.00	Ft	Comments:
43 BLOCK CRACKING	L	90.00	SqFt	Comments:
52 WEATHERING/RAVELING	M	4,160.00	SqFt	Comments:
49 OIL SPILLAGE	N	20.00	SqFt	Comments:

Sample Number: 207 Type: R Area: 4,700.00SqFt PCI = 88
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	L	16.00	Ft	Comments:
52 WEATHERING/RAVELING	L	300.00	SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/3/2011
Site Name:

Network: DTS Name: DESTIN-FORT WALTON BEACH AIRPORT

Branch: AP Name: APRON Use: APRON Area: 570,255.00SqFt

Section: 4112 of 8 From: - To: - Last Const.: 1/1/1974
Surface: AC Family: FDOT-GA-AP-AC Zone: Category: Rank: P
Area: 10,880.00SqFt Length: 640.00Ft Width: 17.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date: 2/9/2011 Total Samples: 3 Surveyed: 1
Conditions: PCI:43.00 |
Inspection Comments: KHA

Sample Number: 307 Type: R Area: 3,400.00SqFt PCI = 43
Sample Comments:

43 BLOCK CRACKING	M	3,179.00 SqFt	Comments:
52 WEATHERING/RAVELING	L	2,000.00 SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/3/2011
Site Name:

Network: DTS Name: DESTIN-FORT WALTON BEACH AIRPORT

Branch: AP Name: APRON Use: APRON Area: 570,255.00SqFt

Section: 4115 of 8 From: - To: - Last Const.: 1/1/1975
Surface: AAC Family: FDOT-GA-AP-AAC Zone: Category: Rank: P
Area: 45,210.00SqFt Length: 350.00Ft Width: 119.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date: 2/9/2011 Total Samples: 12 Surveyed: 1
Conditions: PCI:70.00 |
Inspection Comments: KHA

Sample Number: 113 Type: R Area: 5,000.00SqFt PCI = 70
Sample Comments:

48	LONGITUDINAL/TRANSVERSE CRACKING	M	244.00	Ft	Comments:
52	WEATHERING/RAVELING	L	1,500.00	SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/3/2011
Site Name:

Network: DTS Name: DESTIN-FORT WALTON BEACH AIRPORT

Branch: AP Name: APRON Use: APRON Area: 570,255.00SqFt

Section: 4120 of 8 From: - To: - Last Const.: 1/1/1987
Surface: AC Family: FDOT-GA-AP-AC Zone: Category: Rank: P
Area: 122,850.00SqFt Length: 350.00Ft Width: 250.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date: 2/9/2011 Total Samples: 24 Surveyed: 3
Conditions: PCI:62.00 |
Inspection Comments: KHA

Sample Number: 84 Type: R Area: 6,800.00SqFt PCI = 58
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	291.00	Ft	Comments:
52 WEATHERING/RAVELING	L	2,800.00	SqFt	Comments:
52 WEATHERING/RAVELING	M	1,200.00	SqFt	Comments:

Sample Number: 90 Type: R Area: 5,000.00SqFt PCI = 53
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	394.00	Ft	Comments:
52 WEATHERING/RAVELING	L	1,000.00	SqFt	Comments:
43 BLOCK CRACKING	L	2,670.00	SqFt	Comments:

Sample Number: 97 Type: R Area: 7,090.00SqFt PCI = 73
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	59.00	Ft	Comments:
52 WEATHERING/RAVELING	L	4,254.00	SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/3/2011
Site Name:

Network: DTS Name: DESTIN-FORT WALTON BEACH AIRPORT

Branch: AP Name: APRON Use: APRON Area: 570,255.00SqFt

Section: 4125 of 8 From: - To: - Last Const.: 1/1/1983
Surface: AC Family: FDOT-GA-AP-AC Zone: Category: Rank: P
Area: 208,085.00SqFt Length: 1,140.00Ft Width: 180.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date: 2/9/2011 Total Samples: 44 Surveyed: 5
Conditions: PCI:35.00 |
Inspection Comments: KHA

Sample Number: 410 Type: R Area: 5,000.00SqFt PCI = 38
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	476.00	Ft	Comments:
52 WEATHERING/RAVELING	M	4,500.00	SqFt	Comments:

Sample Number: 501 Type: R Area: 5,000.00SqFt PCI = 31
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	625.00	Ft	Comments:
43 BLOCK CRACKING	L	300.00	SqFt	Comments:
52 WEATHERING/RAVELING	M	4,500.00	SqFt	Comments:

Sample Number: 607 Type: R Area: 5,000.00SqFt PCI = 33
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	520.00	Ft	Comments:
43 BLOCK CRACKING	L	300.00	SqFt	Comments:
52 WEATHERING/RAVELING	M	4,500.00	SqFt	Comments:

Sample Number: 704 Type: R Area: 5,000.00SqFt PCI = 36
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	255.00	Ft	Comments:
43 BLOCK CRACKING	L	400.00	SqFt	Comments:
52 WEATHERING/RAVELING	M	4,500.00	SqFt	Comments:

Sample Number: 709 Type: R Area: 5,000.00SqFt PCI = 36
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	147.00	Ft	Comments:
43 BLOCK CRACKING	M	40.00	SqFt	Comments:
52 WEATHERING/RAVELING	M	4,500.00	SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/3/2011
Site Name:

Network: DTS Name: DESTIN-FORT WALTON BEACH AIRPORT

Branch: AP Name: APRON Use: APRON Area: 570,255.00SqFt

Section: 4150 of 8 From: - To: - Last Const.: 1/1/1992
Surface: AC Family: FDOT-GA-AP-AC Zone: Category: Rank: P
Area: 59,700.00SqFt Length: 450.00Ft Width: 130.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date: 2/9/2011 Total Samples: 13 Surveyed: 2
Conditions: PCI:75.00 |
Inspection Comments: KHA

Sample Number: 102 Type: R Area: 5,000.00SqFt PCI = 75
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	L	200.00	Ft	Comments:
52 WEATHERING/RAVELING	L	2,500.00	SqFt	Comments:

Sample Number: 301 Type: R Area: 3,500.00SqFt PCI = 75
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	L	85.00	Ft	Comments:
52 WEATHERING/RAVELING	L	1,750.00	SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/3/2011
Site Name:

Network: DTS Name: DESTIN-FORT WALTON BEACH AIRPORT

Branch: AP RU Name: RUN-UP APRONS Use: APRON Area: 36,430.00SqFt

Section: 5105 of 2 From: - To: - Last Const.: 1/1/1992
Surface: AAC Family: FDOT-GA-AP-AAC Zone: Category: Rank: P
Area: 18,190.00SqFt Length: 200.00Ft Width: 90.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date: 2/9/2011 Total Samples: 4 Surveyed: 1
Conditions: PCI:79.00 |
Inspection Comments: KHA

Sample Number: 102 Type: R Area: 4,440.00SqFt PCI = 79
Sample Comments:

48	LONGITUDINAL/TRANSVERSE CRACKING	L	100.00	Ft	Comments:
52	WEATHERING/RAVELING	L	120.00	SqFt	Comments:
48	LONGITUDINAL/TRANSVERSE CRACKING	M	40.00	Ft	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/3/2011
Site Name:

Network: DTS Name: DESTIN-FORT WALTON BEACH AIRPORT

Branch: AP RU Name: RUN-UP APRONS Use: APRON Area: 36,430.00SqFt

Section: 5110 of 2 From: - To: - Last Const.: 1/1/1992
Surface: AAC Family: FDOT-GA-AP-AAC Zone: Category: Rank: P
Area: 18,240.00SqFt Length: 175.00Ft Width: 100.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date: 2/9/2011 Total Samples: 4 Surveyed: 1
Conditions: PCI:77.00 |
Inspection Comments: KHA

Sample Number: 101 Type: R Area: 4,500.00SqFt PCI = 77
Sample Comments:

48	LONGITUDINAL/TRANSVERSE CRACKING	L	301.00 Ft	Comments:
52	WEATHERING/RAVELING	L	400.00 SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/3/2011
Site Name:

Network: DTS Name: DESTIN-FORT WALTON BEACH AIRPORT

Branch: RW 14-32 Name: RUNWAY 14-32 Use: RUNWAY Area: 499,904.00SqFt

Section: 6105 of 5 From: - To: - Last Const.: 1/1/1972
Surface: AAC Family: FDOT-GA-RW-AAC Zone: Category: Rank: P
Area: 250,404.00SqFt Length: 3,500.00Ft Width: 75.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date2/9/2011 Total Samples: 70 Surveyed: 14
Conditions: PCI:54.00 |
Inspection Comments: KHA

Sample Number: 125 Type: R Area: 3,750.00SqFt PCI = 63
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	200.00	Ft	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	100.00	Ft	Comments:
52 WEATHERING/RAVELING	L	1,680.00	SqFt	Comments:

Sample Number: 128 Type: R Area: 3,750.00SqFt PCI = 63
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	200.00	Ft	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	45.00	Ft	Comments:
52 WEATHERING/RAVELING	L	1,500.00	SqFt	Comments:

Sample Number: 134 Type: R Area: 3,750.00SqFt PCI = 63
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	200.00	Ft	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	38.00	Ft	Comments:
52 WEATHERING/RAVELING	L	1,500.00	SqFt	Comments:

Sample Number: 140 Type: R Area: 3,750.00SqFt PCI = 58
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	300.00	Ft	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	21.00	Ft	Comments:
52 WEATHERING/RAVELING	L	200.00	SqFt	Comments:

Sample Number: 146 Type: R Area: 3,750.00SqFt PCI = 60
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	250.00	Ft	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	56.00	Ft	Comments:
52 WEATHERING/RAVELING	L	100.00	SqFt	Comments:

Sample Number: 152 Type: R Area: 3,750.00SqFt PCI = 61
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	L	28.00	Ft	Comments:
52 WEATHERING/RAVELING	M	200.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	M	250.00	Ft	Comments:

Sample Number: 158 Type: R Area: 3,500.00SqFt PCI = 49
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	250.00	Ft	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	11.00	Ft	Comments:
52 WEATHERING/RAVELING	M	1,500.00	SqFt	Comments:

Sample Number: 164 Type: R Area: 2,500.00SqFt PCI = 32
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	250.00	Ft	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/3/2011
Site Name:

48 LONGITUDINAL/TRANSVERSE CRACKING	L	39.00	Ft	Comments:
43 BLOCK CRACKING	L	585.00	SqFt	Comments:
52 WEATHERING/RAVELING	M	1,500.00	SqFt	Comments:

Sample Number: 170 Type: R Area: 3,750.00SqFt PCI = 50
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	250.00	Ft	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	44.00	Ft	Comments:
52 WEATHERING/RAVELING	M	1,500.00	SqFt	Comments:

Sample Number: 176 Type: R Area: 3,750.00SqFt PCI = 51
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	250.00	Ft	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	16.00	Ft	Comments:
52 WEATHERING/RAVELING	M	1,500.00	SqFt	Comments:

Sample Number: 182 Type: R Area: 3,750.00SqFt PCI = 51
Sample Comments:

52 WEATHERING/RAVELING	M	1,500.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	M	305.00	Ft	Comments:

Sample Number: 185 Type: R Area: 3,750.00SqFt PCI = 52
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	200.00	Ft	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	51.00	Ft	Comments:
52 WEATHERING/RAVELING	M	1,500.00	SqFt	Comments:

Sample Number: 188 Type: R Area: 3,750.00SqFt PCI = 52
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	200.00	Ft	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	69.00	Ft	Comments:
52 WEATHERING/RAVELING	M	1,500.00	SqFt	Comments:

Sample Number: 191 Type: R Area: 3,750.00SqFt PCI = 47
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	300.00	Ft	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	64.00	Ft	Comments:
52 WEATHERING/RAVELING	M	1,500.00	SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/3/2011
Site Name:

Network: DTS Name: DESTIN-FORT WALTON BEACH AIRPORT

Branch: RW 14-32 Name: RUNWAY 14-32 Use: RUNWAY Area: 499,904.00SqFt

Section: 6110 of 5 From: - To: - Last Const.: 1/1/1972
Surface: AC Family: FDOT-GA-RW-AC Zone: Category: Rank: P
Area: 87,500.00SqFt Length: 7,000.00Ft Width: 12.50Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date2/9/2011 Total Samples: 18 Surveyed: 5
Conditions: PCI:71.00 |
Inspection Comments: KHA

Sample Number: 322 Type: R Area: 5,000.00SqFt PCI = 58
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	400.00	Ft	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	97.00	Ft	Comments:
52 WEATHERING/RAVELING	L	100.00	SqFt	Comments:

Sample Number: 354 Type: R Area: 5,000.00SqFt PCI = 76
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	L	363.00	Ft	Comments:
52 WEATHERING/RAVELING	L	120.00	SqFt	Comments:

Sample Number: 386 Type: R Area: 5,000.00SqFt PCI = 77
Sample Comments:

52 WEATHERING/RAVELING	L	800.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	340.00	Ft	Comments:

Sample Number: 538 Type: R Area: 5,000.00SqFt PCI = 84
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	58.00	Ft	Comments:
52 WEATHERING/RAVELING	L	100.00	SqFt	Comments:

Sample Number: 578 Type: R Area: 5,000.00SqFt PCI = 57
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	400.00	Ft	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	72.00	Ft	Comments:
52 WEATHERING/RAVELING	L	800.00	SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/3/2011
Site Name:

Network: DTS Name: DESTIN-FORT WALTON BEACH AIRPORT

Branch: RW 14-32 Name: RUNWAY 14-32 Use: RUNWAY Area: 499,904.00SqFt

Section: 6112 of 5 From: - To: - Last Const.: 1/1/1992
Surface: AC Family: FDOT-GA-RW-AC Zone: Category: Rank: P
Area: 12,000.00SqFt Length: 500.00Ft Width: 24.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date: 2/9/2011 Total Samples: 2 Surveyed: 1
Conditions: PCI:60.00 |
Inspection Comments: KHA

Sample Number: 959 Type: R Area: 6,000.00SqFt PCI = 60
Sample Comments:

43 BLOCK CRACKING	L	2,976.00	SqFt	Comments:
52 WEATHERING/RAVELING	L	5,400.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	106.00	Ft	Comments:
43 BLOCK CRACKING	L	420.00	SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/3/2011
Site Name:

Network: DTS Name: DESTIN-FORT WALTON BEACH AIRPORT

Branch: RW 14-32 Name: RUNWAY 14-32 Use: RUNWAY Area: 499,904.00SqFt

Section: 6115 of 5 From: - To: - Last Const.: 1/1/1974
Surface: AC Family: FDOT-GA-RW-AC Zone: Category: Rank: P
Area: 110,000.00SqFt Length: 1,100.00Ft Width: 100.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date: 2/9/2011 Total Samples: 22 Surveyed: 5
Conditions: PCI:60.00 |
Inspection Comments: KHA

Sample Number: 104 Type: R Area: 5,000.00SqFt PCI = 65
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	250.00	Ft	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	38.00	Ft	Comments:
52 WEATHERING/RAVELING	L	1,500.00	SqFt	Comments:

Sample Number: 107 Type: R Area: 5,000.00SqFt PCI = 66
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	225.00	Ft	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	33.00	Ft	Comments:
52 WEATHERING/RAVELING	L	1,500.00	SqFt	Comments:

Sample Number: 110 Type: R Area: 5,000.00SqFt PCI = 60
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	256.00	Ft	Comments:
52 WEATHERING/RAVELING	M	1,500.00	SqFt	Comments:

Sample Number: 117 Type: R Area: 5,000.00SqFt PCI = 55
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	300.00	Ft	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	63.00	Ft	Comments:
52 WEATHERING/RAVELING	M	1,500.00	SqFt	Comments:

Sample Number: 119 Type: R Area: 5,000.00SqFt PCI = 56
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	300.00	Ft	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	21.00	Ft	Comments:
52 WEATHERING/RAVELING	M	1,500.00	SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/3/2011
Site Name:

Network: DTS Name: DESTIN-FORT WALTON BEACH AIRPORT

Branch: RW 14-32 Name: RUNWAY 14-32 Use: RUNWAY Area: 499,904.00SqFt

Section: 6120 of 5 From: - To: - Last Const.: 1/1/1974
Surface: AC Family: FDOT-GA-RW-AC Zone: Category: Rank: P
Area: 40,000.00SqFt Length: 400.00Ft Width: 100.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date: 2/9/2011 Total Samples: 8 Surveyed: 2
Conditions: PCI:58.00 |
Inspection Comments: KHA

Sample Number: 194 Type: R Area: 5,000.00SqFt PCI = 51
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	300.00	Ft	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	61.00	Ft	Comments:
52 WEATHERING/RAVELING	L	200.00	SqFt	Comments:
52 WEATHERING/RAVELING	M	1,500.00	SqFt	Comments:

Sample Number: 198 Type: R Area: 5,000.00SqFt PCI = 65
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	250.00	Ft	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	32.00	Ft	Comments:
52 WEATHERING/RAVELING	L	400.00	SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/3/2011
Site Name:

Network: DTS Name: DESTIN-FORT WALTON BEACH AIRPORT

Branch: TW A Name: TAXIWAY A Use: TAXIWAY Area: 193,970.00SqFt

Section: 115 of 3 From: - To: - Last Const.: 1/1/1992
Surface: AAC Family: FDOT-GA-TW-AAC Zone: Category: Rank: P
Area: 140,000.00SqFt Length: 3,500.00Ft Width: 40.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date2/9/2011 Total Samples: 35 Surveyed: 5
Conditions: PCI:67.00 |
Inspection Comments: KHA

Sample Number: 111 Type: R Area: 4,000.00SqFt PCI = 66
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	175.00	Ft	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	129.00	Ft	Comments:
52 WEATHERING/RAVELING	L	120.00	SqFt	Comments:

Sample Number: 119 Type: R Area: 4,000.00SqFt PCI = 77
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	63.00	Ft	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	100.00	Ft	Comments:
52 WEATHERING/RAVELING	L	100.00	SqFt	Comments:

Sample Number: 127 Type: R Area: 4,000.00SqFt PCI = 63
Sample Comments:

43 BLOCK CRACKING	L	1,000.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	16.00	Ft	Comments:
43 BLOCK CRACKING	L	1,000.00	SqFt	Comments:
52 WEATHERING/RAVELING	L	800.00	SqFt	Comments:

Sample Number: 135 Type: R Area: 4,000.00SqFt PCI = 69
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	L	256.00	Ft	Comments:
43 BLOCK CRACKING	L	765.00	SqFt	Comments:
52 WEATHERING/RAVELING	L	400.00	SqFt	Comments:

Sample Number: 143 Type: R Area: 4,000.00SqFt PCI = 61
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	250.00	Ft	Comments:
52 WEATHERING/RAVELING	L	200.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	100.00	Ft	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/3/2011
Site Name:

Network: DTS Name: DESTIN-FORT WALTON BEACH AIRPORT

Branch: TW A Name: TAXIWAY A Use: TAXIWAY Area: 193,970.00SqFt

Section: 135 of 3 From: - To: - Last Const.: 1/1/1992
Surface: AAC Family: FDOT-GA-TW-AAC Zone: Category: Rank: P
Area: 12,640.00SqFt Length: 300.00Ft Width: 40.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date: 2/9/2011 Total Samples: 3 Surveyed: 1
Conditions: PCI:75.00 |
Inspection Comments: KHA

Sample Number: 146 Type: R Area: 4,000.00SqFt PCI = 75
Sample Comments:

48	LONGITUDINAL/TRANSVERSE CRACKING	M	80.00	Ft	Comments:
48	LONGITUDINAL/TRANSVERSE CRACKING	L	140.00	Ft	Comments:
52	WEATHERING/RAVELING	L	100.00	SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/3/2011
Site Name:

Network: DTS Name: DESTIN-FORT WALTON BEACH AIRPORT

Branch: TW A Name: TAXIWAY A Use: TAXIWAY Area: 193,970.00SqFt

Section: 150 of 3 From: - To: - Last Const.: 1/1/1992
Surface: AAC Family: FDOT-GA-TW-AAC Zone: Category: Rank: P
Area: 41,330.00SqFt Length: 1,000.00Ft Width: 40.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date: 2/9/2011 Total Samples: 10 Surveyed: 2
Conditions: PCI:71.00 |
Inspection Comments: KHA

Sample Number: 103 Type: R Area: 4,000.00SqFt PCI = 78
Sample Comments:

48	LONGITUDINAL/TRANSVERSE CRACKING	M	98.00	Ft	Comments:
52	WEATHERING/RAVELING	L	100.00	SqFt	Comments:

Sample Number: 108 Type: R Area: 4,000.00SqFt PCI = 65
Sample Comments:

48	LONGITUDINAL/TRANSVERSE CRACKING	M	200.00	Ft	Comments:
48	LONGITUDINAL/TRANSVERSE CRACKING	L	60.00	Ft	Comments:
52	WEATHERING/RAVELING	L	100.00	SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/3/2011
Site Name:

Network: DTS Name: DESTIN-FORT WALTON BEACH AIRPORT

Branch: TW A2 Name: TAXIWAY A2 Use: TAXIWAY Area: 9,350.00SqFt

Section: 110 of 1 From: - To: - Last Const.: 1/1/1992
Surface: AAC Family: FDOT-GA-TW-AAC Zone: Category: Rank: P
Area: 9,350.00SqFt Length: 180.00Ft Width: 40.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date: 2/9/2011 Total Samples: 2 Surveyed: 1
Conditions: PCI:64.00 |
Inspection Comments: KHA

Sample Number: 200 Type: R Area: 5,120.00SqFt PCI = 64
Sample Comments:

43 BLOCK CRACKING	L	1,862.00	SqFt	Comments:
52 WEATHERING/RAVELING	L	200.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	M	77.00	Ft	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/3/2011
Site Name:

Network: DTS Name: DESTIN-FORT WALTON BEACH AIRPORT

Branch: TW A3 Name: TAXIWAY A3 Use: TAXIWAY Area: 9,350.00SqFt

Section: 120 of 1 From: - To: - Last Const.: 1/1/1992
Surface: AAC Family: FDOT-GA-TW-AAC Zone: Category: Rank: P
Area: 9,350.00SqFt Length: 180.00Ft Width: 40.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date: 2/9/2011 Total Samples: 2 Surveyed: 1
Conditions: PCI:59.00 |
Inspection Comments: KHA

Sample Number: 301 Type: R Area: 4,330.00SqFt PCI = 59
Sample Comments:

43 BLOCK CRACKING	L	2,700.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	M	33.00	Ft	Comments:
52 WEATHERING/RAVELING	L	300.00	SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/3/2011
Site Name:

Network: DTS Name: DESTIN-FORT WALTON BEACH AIRPORT

Branch: TW A4 Name: TAXIWAY A4 Use: TAXIWAY Area: 9,350.00SqFt

Section: 125 of 1 From: - To: - Last Const.: 1/1/1992
Surface: AAC Family: FDOT-GA-TW-AAC Zone: Category: Rank: P
Area: 9,350.00SqFt Length: 180.00Ft Width: 40.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date: 2/9/2011 Total Samples: 2 Surveyed: 1
Conditions: PCI:59.00 |
Inspection Comments: KHA

Sample Number: 400 Type: R Area: 5,120.00SqFt PCI = 59
Sample Comments:

43	BLOCK CRACKING	L	3,325.00	SqFt	Comments:
48	LONGITUDINAL/TRANSVERSE CRACKING	M	16.00	Ft	Comments:
52	WEATHERING/RAVELING	L	500.00	SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/3/2011
Site Name:

Network: DTS Name: DESTIN-FORT WALTON BEACH AIRPORT

Branch: TW A5 Name: TAXIWAY A5 Use: TAXIWAY Area: 9,340.00SqFt

Section: 130 of 1 From: - To: - Last Const.: 1/1/1992
Surface: AAC Family: FDOT-GA-TW-AAC Zone: Category: Rank: P
Area: 9,340.00SqFt Length: 180.00Ft Width: 40.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date: 2/9/2011 Total Samples: 2 Surveyed: 1
Conditions: PCI:65.00 |
Inspection Comments: KHA

Sample Number: 501 Type: R Area: 4,290.00SqFt PCI = 65
Sample Comments:

48	LONGITUDINAL/TRANSVERSE CRACKING	L	53.00	Ft	Comments:
43	BLOCK CRACKING	L	690.00	SqFt	Comments:
48	LONGITUDINAL/TRANSVERSE CRACKING	M	128.00	Ft	Comments:
52	WEATHERING/RAVELING	L	600.00	SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/3/2011
Site Name:

Network: DTS Name: DESTIN-FORT WALTON BEACH AIRPORT

Branch: TW CONN Name: CONNECTOR TAXIWAY TO APRO Use: TAXIWAY Area: 18,740.00SqFt

Section: 205 of 4 From: - To: - Last Const.: 1/1/1992
Surface: AAC Family: FDOT-GA-TW-AAC Zone: Category: Rank: P
Area: 7,890.00SqFt Length: 165.00Ft Width: 40.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date: 2/9/2011 Total Samples: 2 Surveyed: 1
Conditions: PCI:63.00 |
Inspection Comments: KHA

Sample Number: 200 Type: R Area: 5,030.00SqFt PCI = 63
Sample Comments:

48	LONGITUDINAL/TRANSVERSE CRACKING	L	384.00	Ft	Comments:
48	LONGITUDINAL/TRANSVERSE CRACKING	M	63.00	Ft	Comments:
43	BLOCK CRACKING	L	595.00	SqFt	Comments:
52	WEATHERING/RAVELING	L	2,000.00	SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/3/2011
Site Name:

Network: DTS Name: DESTIN-FORT WALTON BEACH AIRPORT

Branch: TW CONN Name: CONNECTOR TAXIWAY TO APRO Use: TAXIWAY Area: 18,740.00SqFt

Section: 209 of 4 From: - To: - Last Const.: 1/1/1992
Surface: AAC Family: FDOT-GA-TW-AAC Zone: Category: Rank: P
Area: 4,600.00SqFt Length: 100.00Ft Width: 40.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date: 2/9/2011 Total Samples: 1 Surveyed: 1
Conditions: PCI:46.00 |
Inspection Comments: KHA

Sample Number: 200 Type: R Area: 4,600.00SqFt PCI = 46
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	L	220.00 Ft	Comments:	
50 PATCHING	H	280.00 SqFt	Comments:	
50 PATCHING	L	560.00 SqFt	Comments:	
43 BLOCK CRACKING	L	864.00 SqFt	Comments:	
52 WEATHERING/RAVELING	L	200.00 SqFt	Comments:	

Re-inspection Report

FDOT
Report Generated Date: 6/3/2011
Site Name:

Network: DTS Name: DESTIN-FORT WALTON BEACH AIRPORT

Branch: TW CONN Name: CONNECTOR TAXIWAY TO APRO Use: TAXIWAY Area: 18,740.00SqFt

Section: 210 of 4 From: - To: - Last Const.: 1/1/1972
Surface: AAC Family: FDOT-GA-TW-AAC Zone: Category: Rank: P
Area: 3,280.00SqFt Length: 65.00Ft Width: 40.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date: 2/9/2011 Total Samples: 1 Surveyed: 1
Conditions: PCI:64.00 |
Inspection Comments: KHA

Sample Number: 201 Type: R Area: 3,280.00SqFt PCI = 64
Sample Comments:

43 BLOCK CRACKING	M	60.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	26.00	Ft	Comments:
52 WEATHERING/RAVELING	L	350.00	SqFt	Comments:
43 BLOCK CRACKING	L	704.00	SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/3/2011
Site Name:

Network: DTS Name: DESTIN-FORT WALTON BEACH AIRPORT

Branch: TW CONN Name: CONNECTOR TAXIWAY TO APRO Use: TAXIWAY Area: 18,740.00SqFt

Section: 212 of 4 From: - To: - Last Const.: 1/1/1992
Surface: AAC Family: FDOT-GA-TW-AAC Zone: Category: Rank: P
Area: 2,970.00SqFt Length: 55.00Ft Width: 40.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date: 2/9/2011 Total Samples: 1 Surveyed: 1
Conditions: PCI:62.00 |
Inspection Comments: KHA

Sample Number: 200 Type: R Area: 2,970.00SqFt PCI = 62
Sample Comments:

52	WEATHERING/RAVELING	L	400.00	SqFt	Comments:
48	LONGITUDINAL/TRANSVERSE CRACKING	M	170.00	Ft	Comments:
48	LONGITUDINAL/TRANSVERSE CRACKING	L	70.00	Ft	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/3/2011
Site Name:

Network: DTS Name: DESTIN-FORT WALTON BEACH AIRPORT

Branch: TW HANG Name: TAXIWAY TO HANGARS Use: TAXIWAY Area: 122,080.00SqFt

Section: 305 of 3 From: - To: - Last Const.: 12/25/199
Surface: AC Family: FDOT-GA-TW-AC Zone: Category: Rank: P
Area: 57,560.00SqFt Length: 1,700.00Ft Width: 30.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date: 2/9/2011 Total Samples: 19 Surveyed: 3
Conditions: PCI:87.00 |
Inspection Comments: KHA

Sample Number: 202 Type: R Area: 2,360.00SqFt PCI = 71
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	L	108.00	Ft	Comments:
43 BLOCK CRACKING	L	330.00	SqFt	Comments:
52 WEATHERING/RAVELING	L	300.00	SqFt	Comments:

Sample Number: 305 Type: R Area: 3,400.00SqFt PCI = 90
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	L	5.00	Ft	Comments:
52 WEATHERING/RAVELING	L	200.00	SqFt	Comments:

Sample Number: 406 Type: R Area: 3,920.00SqFt PCI = 93
Sample Comments:

52 WEATHERING/RAVELING	L	200.00	SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/3/2011
Site Name:

Network: DTS Name: DESTIN-FORT WALTON BEACH AIRPORT

Branch: TW HANG Name: TAXIWAY TO HANGARS Use: TAXIWAY Area: 122,080.00SqFt

Section: 310 of 3 From: - To: - Last Const.: 12/25/199
Surface: AC Family: FDOT-GA-TW-AC Zone: Category: Rank: P
Area: 18,400.00SqFt Length: 765.00Ft Width: 24.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date: 2/9/2011 Total Samples: 7 Surveyed: 1
Conditions: PCI:75.00 |
Inspection Comments: KHA

Sample Number: 104 Type: R Area: 2,400.00SqFt PCI = 75
Sample Comments:

48	LONGITUDINAL/TRANSVERSE CRACKING	L	42.00 Ft	Comments:
52	WEATHERING/RAVELING	L	1,200.00 SqFt	Comments:

Re-inspection Report

FDOT
Report Generated Date: 6/3/2011
Site Name:

Network: DTS Name: DESTIN-FORT WALTON BEACH AIRPORT

Branch: TW HANG Name: TAXIWAY TO HANGARS Use: TAXIWAY Area: 122,080.00SqFt

Section: 315 of 3 From: - To: - Last Const.: 12/25/199
Surface: AC Family: FDOT-GA-TW-AC Zone: Category: Rank: P
Area: 46,120.00SqFt Length: 1,500.00Ft Width: 30.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0
Section Comments:

Last Insp. Date: 2/9/2011 Total Samples: 21 Surveyed: 3
Conditions: PCI:63.00 |
Inspection Comments: KHA

Sample Number: 102 Type: R Area: 2,070.00SqFt PCI = 52
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	L	12.00	Ft	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	H	92.00	Ft	Comments:
52 WEATHERING/RAVELING	L	600.00	SqFt	Comments:

Sample Number: 250 Type: R Area: 2,400.00SqFt PCI = 69
Sample Comments:

52 WEATHERING/RAVELING	L	1,200.00	SqFt	Comments:
50 PATCHING	L	24.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	232.00	Ft	Comments:

Sample Number: 400 Type: R Area: 2,100.00SqFt PCI = 66
Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	L	43.00	Ft	Comments:
50 PATCHING	L	600.00	SqFt	Comments:
52 WEATHERING/RAVELING	L	200.00	SqFt	Comments: