

# 2012 Middle Georgia Regional Airport Pavement Management Plan

*Preserving Georgia's Critical Airport Pavement Infrastructure*



# Acknowledgement

This document was produced under the auspices of the  
**GEORGIA DEPARTMENT OF TRANSPORTATION**

Keith Golden, PE, Commissioner  
Russell McMurry, PE, Chief Engineer

## **DIVISION OF INTERMODAL**

Carol L. Comer, Director

## **GEORGIA STATEWIDE PAVEMENT MANAGEMENT STUDY**

Carla Sands, Project Manager

## **STATE TRANSPORTATION BOARD**

1st District – Jay Shaw, Vice Chairman  
2nd District – Johnny Floyd, Chairman  
3rd District – Sam Wellborn  
4th District – Robert L. Brown, Jr.  
5th District – Emory C. McClinton  
6th District – Brandon L. Beach  
7th District – Rudy Bowen

8th District – Jim Cole  
9th District – Emily Dunn  
10th District – Don Grantham  
11th District – Jeff Lewis  
12th District – Bobby Parham  
13th District – Dana Lemon



The preparation of this report was financed in part through a planning grant from the Federal Aviation Administration (FAA) as provided under Section 505 of the Airport and Airway Improvement Act of 1982. The contents of this report do not necessarily reflect the views or policy of the USDOT or the FAA, and do not constitute a commitment on the part of the United States to participate in any development depicted therein, nor does it indicate that the proposed development is environmentally acceptable in accordance with applicable public laws.

# MIDDLE GEORGIA REGIONAL AIRPORT

## PAVEMENT MANAGEMENT REPORT



### Prepared By:

Applied Pavement Technology, Inc.  
115 West Main Street, Suite 400  
Urbana, Illinois 61801  
217-398-3977  
[www.appliedpavement.com](http://www.appliedpavement.com)



### In Association With:

CDM Smith  
3715 Northside Parkway NW  
Building 300, Suite 400  
Atlanta, Georgia 30327



### Prepared For:

Georgia Department of Transportation  
Aviation Programs  
600 West Peachtree Street, NW  
Atlanta, GA 30308  
404-631-1000  
<http://www.dot.ga.gov>

**DECEMBER 2012**

## TABLE OF CONTENTS

INTRODUCTION.....	1
METHODOLOGY.....	3
Records Review and Network Definition.....	3
Pavement Evaluation Procedure.....	3
Paint Markings Evaluation Procedure.....	6
Development of Maintenance and Rehabilitation Program.....	6
Analysis Parameters.....	6
Critical PCI Values.....	6
Budget and Inflation Rate.....	6
Maintenance Policies.....	7
Unit Costs.....	7
Analysis Approach.....	7
RESULTS.....	8
Pavement Inventory.....	8
Pavement Evaluation and Paint Assessment.....	10
Inspection Comments.....	10
Runways.....	10
Taxiways.....	10
Apron.....	11
Overall Condition.....	11
Maintenance and Rehabilitation Program.....	17
GENERAL RECOMMENDATIONS.....	19
Maintenance.....	19
Remaining in Compliance with Public Law 103-305.....	19
SUMMARY.....	20

## LIST OF FIGURES

Figure 1. Pavement Condition versus Cost of Repair.....	1
Figure 2. Visual Representation of PCI Scale.....	4
Figure 3. PCI versus Repair Type.....	5
Figure 4. Pavement Inventory.....	8
Figure 5. Network Definition Map.....	9
Figure 6. Condition Distribution.....	12
Figure 7. Condition by Use.....	13
Figure 8. PCI Map.....	14

## LIST OF TABLES

Table 1. Critical PCI Values. ....	6
Table 2. Pavement Evaluation Results.....	15
Table 3. 5-Year Program under an Unlimited Funding Analysis Scenario.....	18

## APPENDICES

Appendix A – Cause Of Distress Tables .....	A-1
Appendix B – Photographs.....	B-1
Appendix C – Inspection Report.....	C-1
Appendix D – Maintenance Policies and Unit Costs .....	D-1
Appendix E – Maintenance Plan Organized By Section.....	E-1
Appendix F – Maintenance Plan Organized By Repair Type .....	F-1

## INTRODUCTION

In 2012, the Georgia Department of Transportation – Aviation Programs (the Department), selected Applied Pavement Technology, Inc. (APTech), assisted by CDM Smith, to update its statewide airport pavement management system (APMS). This study will provide airports and the State with pavement information and analytical tools to help identify pavement related needs, optimize selection of individual airport projects over a multi-year period, and evaluate the long-term impacts of project priorities.

As part of this study, pavement conditions at Middle Georgia Regional Airport were assessed in 2012 using the pavement condition index (PCI) procedure. The results of that evaluation are presented within this report and can be used by the Department, the Federal Aviation Administration (FAA), and Middle Georgia Regional Airport to monitor the condition of airfield pavements and to identify, prioritize, and schedule pavement maintenance and rehabilitation (M&R) actions at the airport.

During a PCI inspection, the types, severities, and amounts of distress present in a pavement are visually quantified. This information is then used to develop a composite index that represents the overall condition of the pavement in numerical terms, ranging from 0 (failed) to 100 (excellent). The PCI number is a measure of overall condition and is indicative of the level of work that will be required to maintain or repair a pavement. Further, the information provides insight into the cause of pavement deterioration, which is the first step in selecting the appropriate repair action.

Programmed into an APMS, PCI information is used to determine when preventive maintenance actions, such as crack sealing, are advisable and also identifies the most cost-effective time to perform major rehabilitation, such as an overlay. The importance of identifying not only the type of repair but also the optimal time of repair is illustrated in Figure 1. There is a point in a pavement’s life cycle where the rate of deterioration increases and the financial impact of delaying repairs beyond this point can be severe.

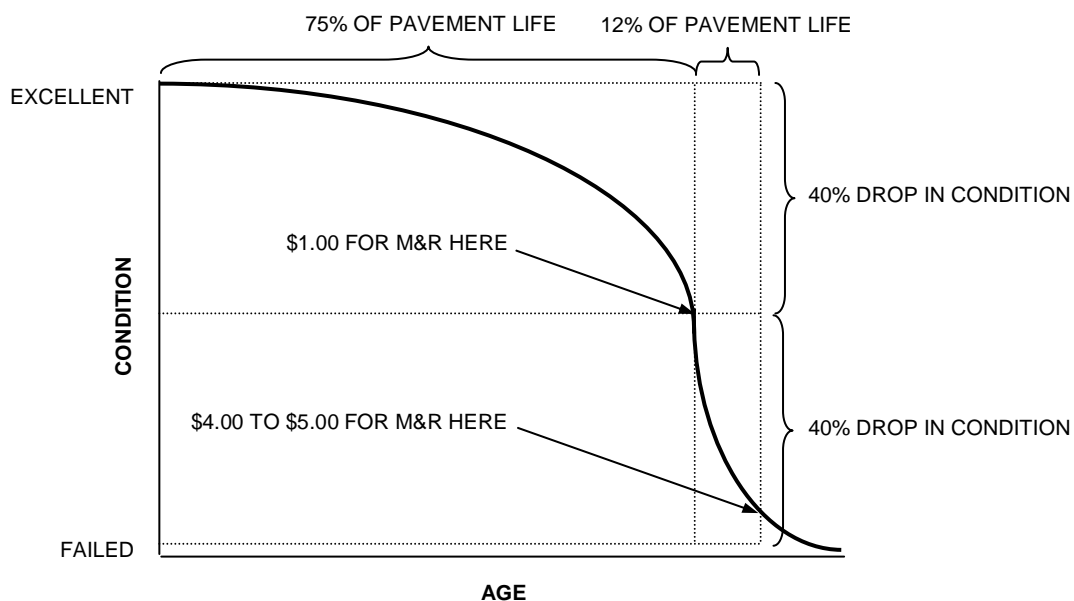


Figure 1. Pavement Condition versus Cost of Repair.

This study collected pavement history information, developed CAD maps, evaluated current pavement condition, and updated the Department's APMS. The APMS was used to prepare a 5-year pavement M&R program. Individual reports, such as this one, have been prepared for each individual airport as well as a statewide analysis report and an executive summary report in order to convey the study results.

---

## METHODOLOGY

The study consists of three major work elements: records review and network definition; pavement condition evaluation; and the development of an M&R plan for the preservation of the pavement infrastructure. Detail of each work element is further described below.

### Records Review and Network Definition

The first activities undertaken involved gathering historical airfield pavement data, which includes date of original construction and date of any subsequent rehabilitation; location of completed work; and the type of work undertaken.

The historical data is used to divide the pavement system into management units – branches, sections, and sample units. A branch is a single entity that serves a distinct function. For example, a runway is considered a branch because it serves a single function (allowing aircraft to take off and land). Taxiways and aprons are also separate branches.

A branch is further divided into sections. A section is considered the management unit of the APMS, and represents a pavement area where pavement maintenance or rehabilitation would be undertaken. For example, if a runway was built in 1968 and then extended and overlaid in 1984, this runway might be represented by a single section, even though there are two distinct construction periods. However, if the condition of one part of the runway was significantly different than another the branch would be divided into two sections because in that situation the runway may not be repaired as a whole in the future.




To estimate the overall condition of each pavement section, each section is subdivided into sample units. A percentage of these sample units are then evaluated during pavement inspections, and the condition information is extrapolated to predict the condition of the section as a whole.

### Pavement Evaluation Procedure

Pavements were evaluated at Middle Georgia Regional Airport using the PCI procedure. This procedure is described in FAA Advisory Circular (AC) 150/5380-6B, *Guidelines and Procedures for Maintenance of Airport Pavements* and American Society for Testing and Material (ASTM) Standard D5340-11, *Standard Test Method for Airport Pavement Condition Index Surveys*.

The PCI provides a numerical indication of overall pavement condition, as illustrated in Figure 2. The types and amounts of deterioration are used to calculate the PCI value of the section. The PCI ranges from 0 to 100, with 100 representing a pavement in excellent condition. It should be noted that a PCI value is based on visual signs of pavement deterioration and does not provide a measure of structural capacity.



Typical Pavement Surface <sup>1</sup>	PCI
	100
	60
	20

<sup>1</sup>Photographs shown are not specific to Middle Georgia Regional Airport.

Figure 2. Visual Representation of PCI Scale.

In general terms, pavements with a PCI greater than 70 that are not exhibiting significant load-related distress will benefit from preventive maintenance actions, such as crack sealing and surface treatments. Pavements with a PCI of 40 to 70 may require major rehabilitation, such as an overlay. Often, when the PCI is less than 40, reconstruction is the only viable alternative due to the substantial damage to the pavement structure. Figure 3 illustrates how repair type varies with the PCI of a pavement section.

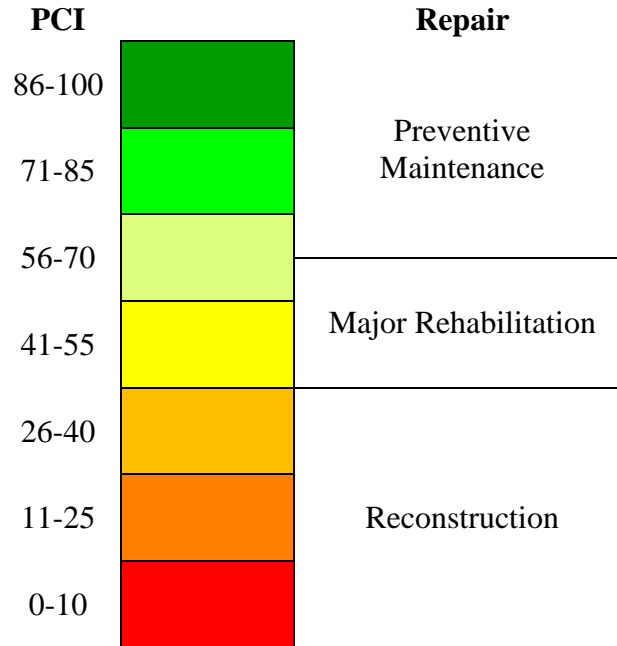


Figure 3. PCI versus Repair Type.

The types of distress identified during the PCI inspection provide insight into the cause of pavement deterioration. PCI distress types are characterized as:

- **Load-related** – These distress types are defined as being caused by aircraft or vehicular traffic and may provide an indication of a structural deficiency. Examples of load-related distresses include alligator cracking on hot-mix asphalt (HMA) pavements and corner breaks on portland cement concrete (PCC) pavements,
- **Climate/durability-related** – These distress types often signify the presence of aged and/or environment-susceptible material and include durability-related issues. Examples of climate/durability-related distresses include weathering, which is climate-related, on HMA pavements and durability cracking, which is durability-related, on PCC pavements, and
- **Other** – Distress types that fall into this category cannot be attributed solely to load or climate/durability. Examples of this type of distress include depressions on HMA pavements and shrinkage cracking on PCC pavements.

Understanding the cause of distress helps in selecting a rehabilitation alternative that corrects the cause and thus eliminates its recurrence.

Appendix A contains tables for asphalt and PCC pavements indicating the typical types of distresses that may be identified during a PCI survey, the likely cause of each distress type, and feasible maintenance strategies for addressing each distress type.

## Paint Markings Evaluation Procedure

The condition of the paint markings was evaluated for each section at Middle Georgia Regional Airport. The markings were rated as “satisfactory” or “non-satisfactory” based on whether the markings were visible and the paint and reflectivity appeared intact. Following is a short description of each category:

- Not Applicable (N/A): No paint markings exist to rate.
- Satisfactory (SAT): Markings that are still visible and in good condition, requiring no maintenance or remarking.
- Non-satisfactory: Markings that require maintenance or remarking in the near future and any of the following conditions are present:
  - Paint is faded to the point where markings are not easily visible from a distance (U-FA).
  - Paint is flaking off the surface or has worn to point that portions of the painted surface no longer have paint on them (U-CH).
  - Painted areas have a large amount of superficial cracking within their limits, degrading the integrity of the painted area and reducing its visibility (U-CR).

## Development of Maintenance and Rehabilitation Program

Using the information collected during the 2012 pavement inspection, an M&R program for 2013 through 2017 was developed. The MicroPAVER™ pavement management software was used to perform this analysis.

### Analysis Parameters

Several parameters were defined prior to running the analysis, and are further explained below.

#### *Critical PCI Values*

MicroPAVER™ uses critical PCI values to determine whether preventive maintenance or major rehabilitation is the appropriate repair action. Above the critical PCI, localized (such as crack sealing) and global (such as a slurry seal) preventive maintenance activities are recommended. Below the critical PCI, major rehabilitation (such as an overlay or reconstruction) is recommended. The Department set the critical PCI values shown in Table 1.

Table 1. Critical PCI Values.

<b>Airport Classification</b>	<b>Runway</b>	<b>Taxiway/ T-Hangar</b>	<b>Apron/Helipad</b>
General Aviation	70	60	60
Commercial Service	75	65	65

#### *Budget and Inflation Rate*

An unlimited budget and an inflation rate of 3 percent were used during the analysis.

### *Maintenance Policies*

Localized preventive maintenance policies and global preventive maintenance policies were developed for the Department. Localized maintenance policies, shown in Appendix D, identify the localized maintenance actions that the Department consider appropriate to correct different distress types when the PCI of the pavement is above the critical PCI level.

Global maintenance actions were also considered in the analysis. These are treatments that are applied over an entire section, rather than just to distressed areas. Rejuvenators were considered for pavements that are more than 5 years old with a PCI value greater than 80. Rejuvenators were only applied once during the analysis period to eligible sections.

### *Unit Costs*

Unit costs for maintenance treatments and major rehabilitation actions are presented in Appendix D. For general aviation airports, the costs were separated by geographic regions. MicroPAVER™ estimates the cost of major rehabilitation based on the PCI of the pavement. If major rehabilitation is recommended in the program, further engineering investigation will be needed to identify the most appropriate rehabilitation action and to more accurately estimate the cost of such work.

### Analysis Approach

The goal of the M&R program is to maintain the pavements above established critical PCI values. Major rehabilitation was recommended for pavements in the year they dropped below their critical PCI value for 2013 through 2017.

For 2013, a localized preventive maintenance plan was developed for those pavement sections that were above their critical PCI value. If major rehabilitation was triggered for a section in 2014 or 2015, then localized maintenance was not recommended for 2013. It was assumed that all low-severity cracking would need to be resealed in 2017 unless major rehabilitation was triggered on the section. No other maintenance activities, other than crack sealing, were considered for year 2017.

# RESULTS

## Pavement Inventory

Middle Georgia Regional Airport has over 3,995,547 square feet of pavement, as shown in Figure 4. Figure 5 is a network definition map of the airport showing the pavement system broken down into management units, as described on page 3 of this report. It also shows the nomenclature used in the MicroPAVER™ pavement management database to identify the different pavement areas. Additionally, the map summarizes the construction history information compiled during the records review and identifies the areas inspected during the visual survey.

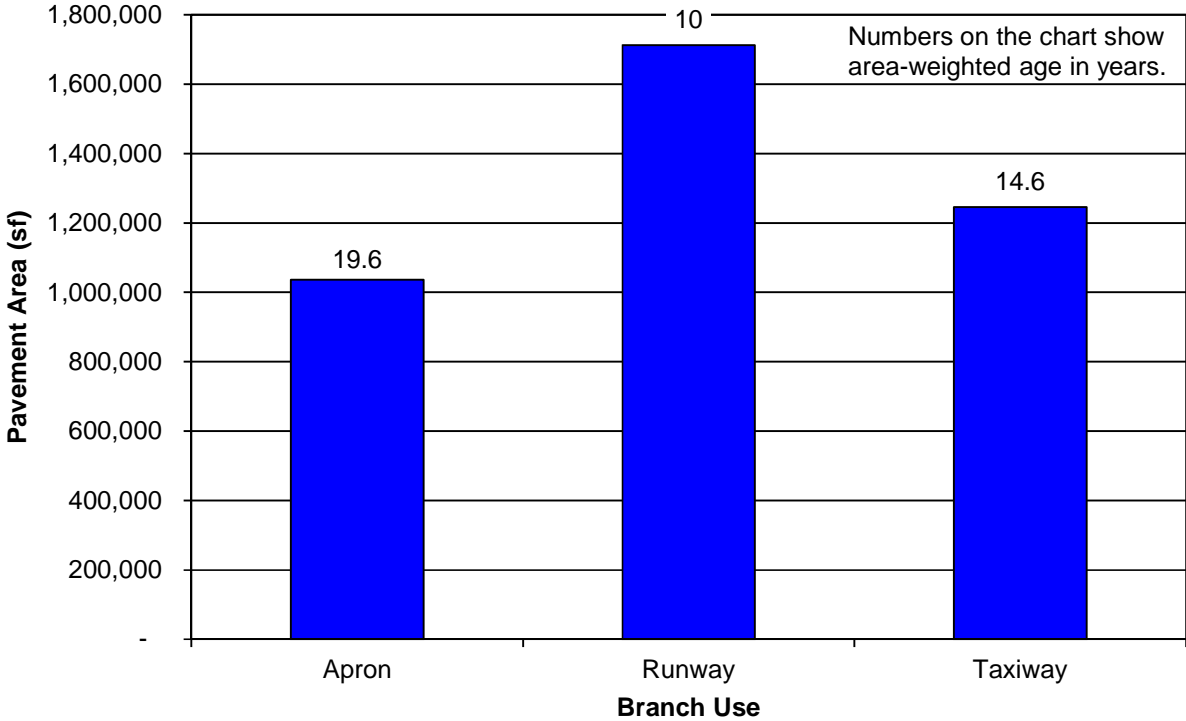


Figure 4. Pavement Inventory.



**NETWORK DEFINITION LEGEND**

	BRANCH IDENTIFIER
	SECTION IDENTIFIER
	PCI VALUE
	SECTION BREAK LINE
	SAMPLE UNIT BREAK LINE
	SLAB JOINT
	SAMPLE UNIT NUMBER
	SAMPLE UNIT INSPECTED
	ADDITIONAL SAMPLE UNIT

		115 W. Main Street, Suite 400 Urbana, IL 61801 Tel: (217) 398-3977 Fax: (217) 398-4027	
		AGENCY: Georgia Department of Transportation Aviation Programs	
LOCATION: Middle Georgia Regional Airport Macon, GA		PAGE TITLE: NETWORK DEFINITION MAP	
PROJECT DATE: <b>NOV. 2011</b>	CREATION DATE: <b>NOV. 2011</b>	PROJECT MANAGER: <b>MRC</b>	JOB NUMBER: <b>09-067-AM01</b>
DRAWING SCALE: <b>1" = 300'</b>	LAST MODIFIED DATE: <b>APR. 2012</b>	REVISED BY: <b>TMM</b>	DRAWN BY: <b>TMM</b>
FILENAME: <b>Macon-Middle Georgia.dwg</b>		LAYOUT NAME/NUMBER: <b>NET. DEF.</b>	FIGURE: <b>5</b>

---

## **Pavement Evaluation and Paint Assessment**

The inspection of Middle Georgia Regional Airport was completed on March 14 through 16, 2012 using the PCI procedure described previously. The map presented in Figure 5 identifies the sample units inspected during the pavement evaluation.

### Inspection Comments

There were twenty-one pavement sections defined during the inspection. Except where noted, the low-severity cracking was unsealed, and the medium-severity cracking was due to either unsealed crack widths that exceeded  $\frac{1}{4}$  in or the development of secondary cracking. Low-severity sealed cracking and medium-severity cracking due to failed sealant were only noted on the apron's Section 20.

### *Runways*

#### **Runway 5-23**

Runway 5-23 consisted of three sections that were recently rehabilitated and in excellent condition with PCI values of 100. No distresses were observed in Sections 10C, 10N, and 10S at the time of inspection.

#### **Runway 13-31**

Runway 13-31 was defined by three sections. Section 10C had a PCI value of 57. Substantial amounts of low- and medium-severity longitudinal and transverse (L&T) cracking and block cracking were identified. In addition, small quantities of low-severity swelling and high-severity raveling were observed. Sections 10N and 10S had PCI values of 46 and 51, respectively. Extensive amounts of low- and medium-severity L&T cracking were recorded along with small quantities of low- and medium-severity swelling and high-severity L&T cracking.

### *Taxiways*

#### **Taxiway A**

Taxiway A was comprised of one section with a PCI value of 45. Extensive amounts of low- and medium-severity L&T cracking, block cracking, and weathering were recorded throughout Section 10. Moderate quantities of low-severity swelling and a small amount of medium-severity depression were also observed.

#### **Taxiway B**

Taxiway B was defined by two sections that were recently rehabilitated and in excellent condition with PCI values of 100. No distresses were observed in Sections 10 and 20 at the time of inspection.

#### **Taxiway B3**

Taxiway B3 consisted of one section with a PCI value of 48. Extensive amounts of low- and medium-severity L&T cracking and low-severity weathering were recorded along with smaller quantities low-severity swelling and block cracking.

### **Taxiway C**

Taxiway C contained two sections. Section 10 was in poor condition with a PCI value of 35. Extensive amounts of low- and medium-severity block cracking and low-severity weathering were observed in Section 10. In addition, moderate amounts of low-severity swelling; small quantities of low-, medium-, and high-severity L&T cracking; and low-severity alligator cracking were recorded. Section 20 had a PCI value of 51. Significant amounts of low- and medium-severity L&T cracking and low-severity weathering were identified along with smaller quantities low-severity swelling, block cracking, patching, and raveling.

### **Taxiway GA**

Taxiway GA was defined by one section with a PCI value of 62. Moderate quantities of low- and medium-severity L&T cracking and low-severity weathering were recorded. In addition, small amounts of low- and medium-severity depression and alligator cracking; low-severity patching, rutting, swelling, raveling; and bleeding were also identified.

### **Apron**

The apron area was comprised of eight sections. Section 10 had a PCI value of 41. Extensive quantities of low- and medium-severity block cracking, low-severity weathering, and low- and medium-severity swelling were identified. Moderate amounts of low- and medium-severity L&T cracking and small amounts of low-severity patching, medium-severity alligator cracking, and low- and medium-severity depression were also observed. Section 20 had a PCI value of 42 with significant quantities of low- and medium-severity L&T cracking, swelling, and block cracking and low-severity weathering recorded. The low-severity cracking was both sealed and unsealed, and the medium-severity cracking was either due to unsealed crack widths that exceeded  $\frac{1}{4}$  in or to crack sealant that was no longer performing satisfactorily. Additionally, small quantities of low-severity depression were identified. Sections 30 and 40 had PCI values of 67 and 72, respectively, with moderate amounts of low- and medium-severity L&T cracking and low-severity swelling and weathering observed. In addition, small amounts of low-severity block cracking and patching were identified in Section 40. Section 50 had a PCI value of 64. Moderate quantities of low- and medium-severity L&T cracking were recorded along with small amounts of low-severity patching and swelling and low- and medium-severity depression and raveling. Section 60 had a PCI value of 57. Moderate quantities of low- and medium-severity L&T cracking and weathering were identified. In addition, small amounts of low-severity depression, medium-severity raveling, and low-severity swelling were observed. Section 70 had a PCI value of 42 with extensive quantities of low- and medium-severity L&T cracking, block cracking, and weathering recorded. Additionally, moderate amounts of low-severity swelling and depression were identified. Section 80 had a PCI value of 63 with small quantities of low- and medium-severity L&T cracking; low-severity patching, depression, rutting, block cracking; and medium-severity alligator cracking observed.

### **Overall Condition**

The 2012 area-weighted condition of Middle Georgia Regional Airport is 70, with conditions ranging from 35 to 100 [on a scale of 0 (failed) to 100 (excellent)]. This compares to a 2007 PCI of 57.

Figures 6 and 7 provide graphs summarizing the overall condition of the pavements at Middle Georgia Regional Airport. Figure 8 is a map that displays the condition of the pavements



evaluated. Table 2 summarizes the results of the pavement evaluation and paint assessment and also presents both the 2007 and 2012 PCI values. Please note that modifications have been made to the PCI methodology since the time of the last pavement inspection in 2007, as detailed in ASTM 5340-11. These changes include the separation of the raveling and weathering distress type on asphalt-surfaced pavements into two distress types along with the addition of the alkali silica reaction (ASR) distress type on PCC pavements.

Appendix B presents photographs taken during the PCI inspection, and Appendix C contains a detailed inspection report. The detailed inspection report provides information on the quantity of the different types and severities of distresses observed during the visual survey.

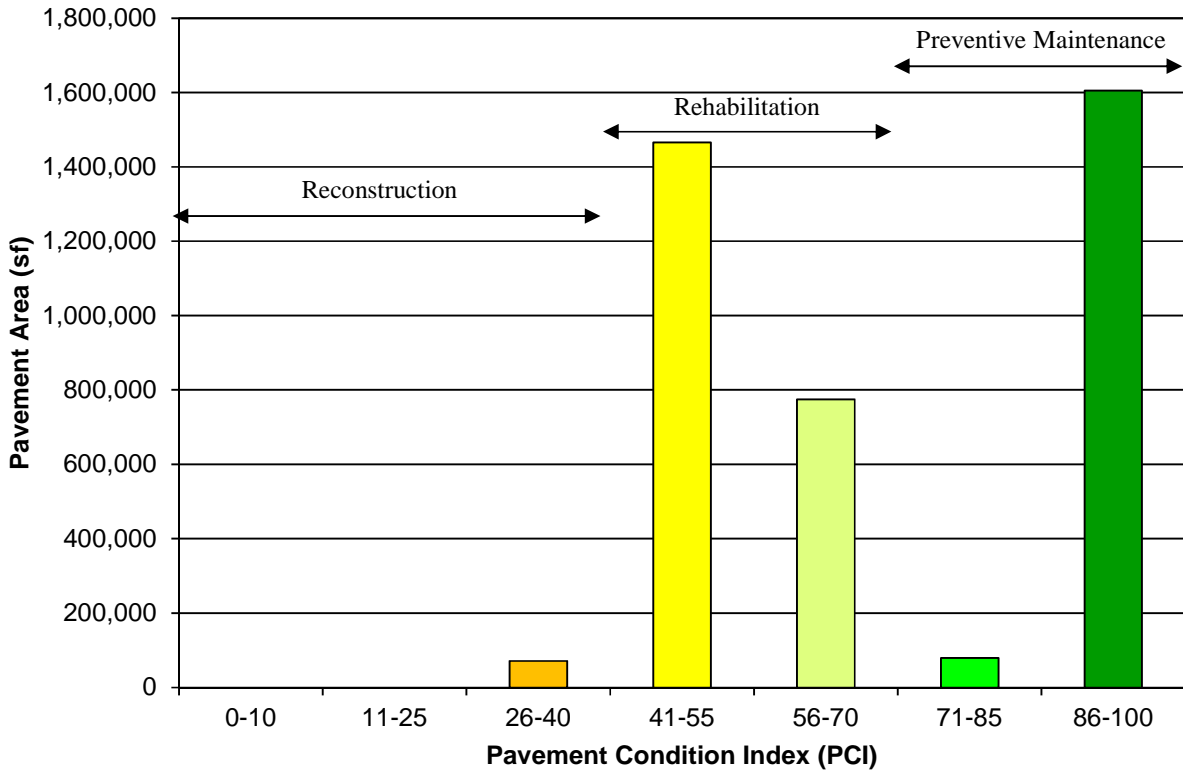


Figure 6. Condition Distribution.

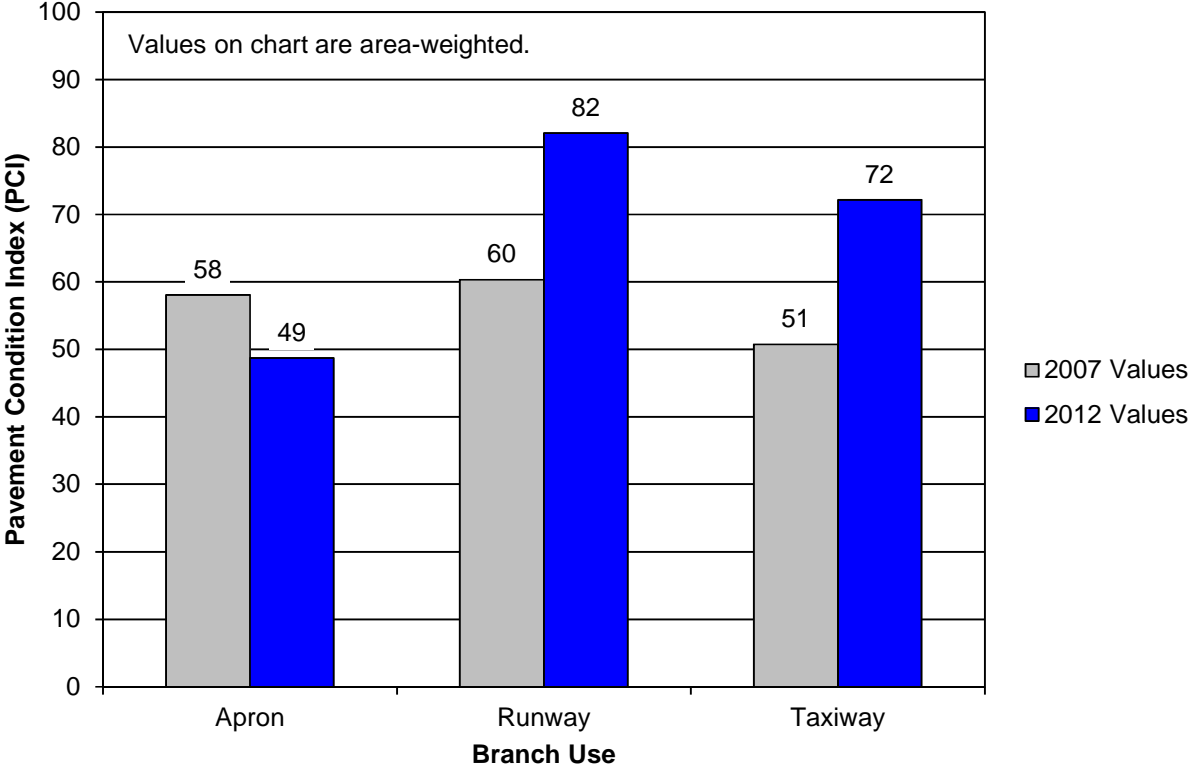
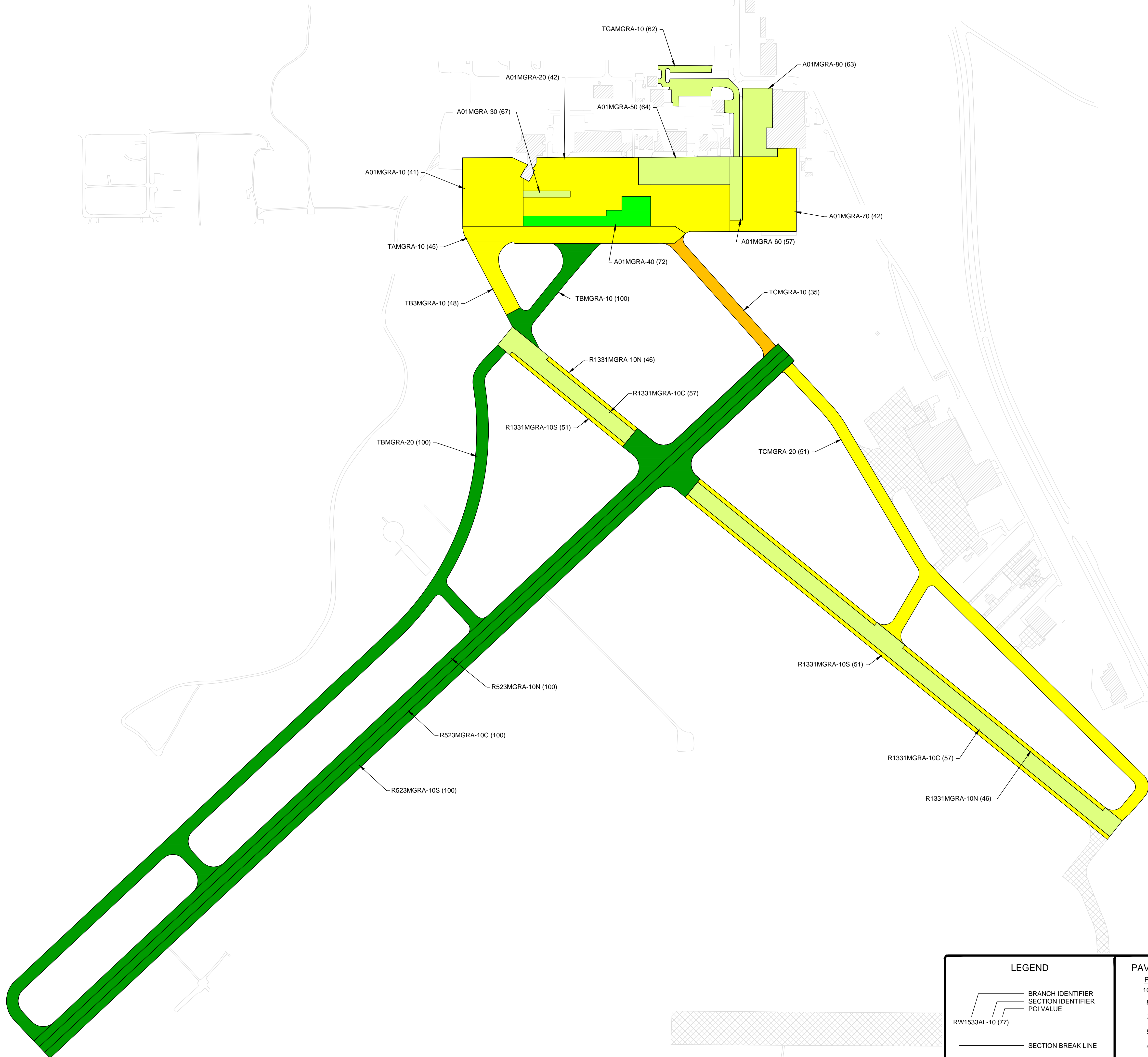


Figure 7. Condition by Use.



**LEGEND**

- BRANCH IDENTIFIER
- SECTION IDENTIFIER
- PCI VALUE
- SECTION BREAK LINE

**PAVEMENT CONDITION INDEX**

100	REPAIR
85	PREVENTIVE MAINTENANCE
70	MAJOR REHABILITATION
55	RECONSTRUCTION
40	
25	
10	
0	

**applied pavement TECHNOLOGY**  
115 W. Main Street, Suite 400  
Urbana, IL 61801  
Tel: (217) 398-3977  
Fax: (217) 398-4027

AGENCY: Georgia Department of Transportation  
Aviation Programs

LOCATION: Middle Georgia Regional Airport  
Macon, GA

PAGE TITLE: PAVEMENT CONDITION INDEX MAP

PROJECT DATE: NOV. 2011	CREATION DATE: NOV. 2011	PROJECT MANAGER: MRC	JOB NUMBER: 09-067-AM01
DRAWING SCALE: 1" = 300'	LAST MODIFIED DATE: MAY 2012	REVISED BY: TMM	DRAWN BY: TMM
FILENAME: Macon-Middle Georgia.dwg	LAYOUT NAME/NUMBER: PCI	FIGURE: 8	

Table 2. Pavement Evaluation Results.

Branch <sup>1</sup>	Section <sup>1</sup>	Surface Type <sup>2</sup>	Section Area (sf)	LCD <sup>3</sup>	Paint Markings <sup>4</sup>	2007 PCI	2012 PCI	% Distress due to:		Distress Types <sup>7</sup>
								Load <sup>5</sup>	Climate or Durability <sup>6</sup>	
A01MGRA	10	AC	167,742	6/1/1994	SAT	59	41	9	68	Alligator Cracking, Block Cracking, Depression, L&T Cracking, Patching, Swelling, Weathering
A01MGRA	20	AC	385,815	6/1/1990	U-FA	48	42	0	82	Block Cracking, Depression, L&T Cracking, Swelling, Weathering
A01MGRA	30	AAC	12,000	6/1/1998	SAT	75	67	0	91	L&T Cracking, Swelling, Weathering
A01MGRA	40	AAC	79,420	6/1/1998	U-CR	82	72	0	96	Block Cracking, L&T Cracking, Patching, Swelling, Weathering
A01MGRA	50	AAC	103,271	6/1/1998	U-CR	79	64	0	74	Depression, L&T Cracking, Patching, Raveling, Swelling
A01MGRA	60	AAC	32,292	6/1/1998	U-FA	62	57	0	85	Depression, L&T Cracking, Raveling, Swelling, Weathering
A01MGRA	70	AC	175,731	6/1/1990	N/A	51	42	0	87	Block Cracking, Depression, L&T Cracking, Swelling, Weathering
A01MGRA	80	AC	80,303	6/1/1990	N/A	65	63	38	62	Alligator Cracking, Block Cracking, Depression, L&T Cracking, Patching, Rutting
R1331MGRA	10C	AAC	467,557	6/1/1988	U-FA	65	57	0	98	Block Cracking, L&T Cracking, Raveling, Swelling
R1331MGRA	10N	AAC	96,656	6/1/1988	N/A	43	46	0	77	L&T Cracking, Swelling
R1331MGRA	10S	AAC	109,091	6/1/1988	N/A	52	51	0	79	L&T Cracking, Swelling
R523MGRA	10C	AAC	324,773	11/29/2011	SAT	68	100	0	0	No Distresses
R523MGRA	10N	AAC	362,803	11/29/2011	SAT	62	100	0	0	No Distresses

Table 2. Pavement Evaluation Results (continued).

Branch <sup>1</sup>	Section <sup>1</sup>	Surface Type <sup>2</sup>	Section Area (sf)	LCD <sup>3</sup>	Paint Markings <sup>4</sup>	2007 PCI	2012 PCI	% Distress due to:		Distress Types <sup>7</sup>
								Load <sup>5</sup>	Climate or Durability <sup>6</sup>	
R523MGRA	10S	AAC	351,956	11/29/2011	SAT	62	100	0	0	No Distresses
TAMGRA	10	AAC	147,730	6/1/1994	SAT	48	45	0	80	Block Cracking, Depression, L&T Cracking, Swelling, Weathering
TB3MGRA	10	AAC	59,402	6/1/1990	SAT	50	48	0	88	Block Cracking, L&T Cracking, Swelling, Weathering
TBMGRA	10	AAC	80,825	11/29/2011	SAT	40	100	0	0	No Distresses
TBMGRA	20	AAC	484,948	11/29/2011	SAT	59	100	0	0	No Distresses
TCMGRA	10	AAC	70,992	6/1/1980	SAT	39	35	20	69	Alligator Cracking, Block Cracking, L&T Cracking, Swelling, Weathering
TCMGRA	20	AAC	323,196	6/1/1980	SAT	49	51	0	92	Block Cracking, L&T Cracking, Patching, Raveling, Swelling, Weathering
TGAMGRA	10	AC	79,044	6/1/1999	U-CH	67	62	58	31	Alligator Cracking, Bleeding, Depression, L&T Cracking, Patching, Raveling, Rutting, Swelling, Weathering

**NOTES:**

<sup>1</sup>See Figure 5 for the location of the branch and section.

<sup>2</sup>AC = asphalt cement concrete; AAC = asphalt overlay on AC; PCC = portland cement concrete; APC = asphalt overlay on PCC.

<sup>3</sup>LCD = last construction date.

<sup>4</sup>Paint markings condition: not applicable (N/A), satisfactory (SAT), unsatisfactory due to faded paint (U-FA), unsatisfactory due to chipping paint (U-CH), or unsatisfactory due to superficial cracking (U-CR).

<sup>5</sup>Distress due to load includes distresses attributed to a structural deficiency in the pavement, such as alligator (fatigue) cracking, rutting, or shattered concrete slabs.

<sup>6</sup>Distress due to climate or durability includes those distresses attributed to either the aging of the pavement and the effects of the environment (such as weathering or block cracking in AC pavements) or to a materials-related problem (such as durability cracking in a PCC pavement).

<sup>7</sup>L&T Cracking = longitudinal and transverse cracking.

---

## Maintenance and Rehabilitation Program

The 5-year M&R program developed for Middle Georgia Regional Airport is described on page 6 of this report.

A summary of the M&R program is presented in Table 3. Detailed information on the localized maintenance plan for 2013 is contained in Appendix E and Appendix F. While localized preventive maintenance should be an annual undertaking at Middle Georgia Regional Airport, it is not possible to accurately predict the propagation of cracking and other distresses. The airport should budget for maintenance every year and can use the 2013 maintenance plan as a baseline for that work. As the pavements age, it can be assumed that the amount of localized maintenance required will increase.

Because an unlimited budget was used in the analysis, it is probable that the pavement repair program will need to be adjusted to take into account economic and/or operational constraints. Further, the identification of the need for a major rehabilitation project does not mean that federal or state funding will be available to complete the work in the year shown. It is important to remember that regardless of the recommendations presented within this report, Middle Georgia Regional Airport is responsible for repairing pavements where existing conditions pose a hazard to safe operations.

Note these recommendations are based on a broad network-level analysis and are meant to provide Middle Georgia Regional Airport with an indication of the type of pavement-related work required during the next 5 years. Further engineering investigation will need to be performed to identify exactly which repair action is most appropriate and to more accurately estimate the cost of such work. In addition, the cost estimates provided were based on a statewide policy and each airport should adjust the maintenance policies and unit costs to match its own approach to pavement maintenance and to reflect local costs.

Table 3. 5-Year Program under an Unlimited Funding Analysis Scenario.

Branch <sup>1</sup>	Section	Year	Type of Repair <sup>2</sup>	Estimated Cost <sup>3</sup>
A01MGRA	10	2013	Major M&R	\$1,093,678
	20	2013	Major M&R	\$2,515,514
	30	2014	Major M&R	\$32,383
	40	2013	Preventive Maintenance	\$6,168
		2016	Major M&R	\$227,375
	50	2013	Major M&R	\$270,570
	60	2013	Major M&R	\$84,605
	70	2013	Major M&R	\$1,145,766
R1331MGRA	80	2013	Major M&R	\$210,394
	10C	2013	Major M&R	\$1,224,997
	10N	2013	Major M&R	\$489,214
R523MGRA	10S	2013	Major M&R	\$339,425
	10C	2016	Rejuvenator	\$78,075
	10N	2016	Rejuvenator	\$87,218
TAMGRA	10S	2016	Rejuvenator	\$84,610
	10	2013	Major M&R	\$770,190
TB3MGRA	10	2013	Major M&R	\$240,192
TBMGRA	10	2016	Rejuvenator	\$19,430
	20	2016	Rejuvenator	\$116,581
TCMGRA	10	2013	Major M&R	\$462,868
	20	2013	Major M&R	\$929,962
TGAMGRA	10	2013	Major M&R	\$207,095

<sup>1</sup>See Figure 5 for the location of the branch and section.

<sup>2</sup>Major Rehabilitation: overlay, mill and overlay, reconstruction, and so on;

Localized Maintenance: crack sealing, patching, joint resealing, and so on;

Global Maintenance: surface treatments, rejuvenators, and so on.

<sup>3</sup>Cost estimates based on broad, statewide policy and should be adjusted to reflect local costs.

---

## GENERAL RECOMMENDATIONS

### Maintenance

In addition to the specific maintenance actions presented in Appendix E and Appendix F, the following strategies are recommended to prolong pavement life:

1. Conduct an aggressive campaign against weed growth through timely herbicide applications. Vegetation growing in pavement cracks is very destructive and significantly increases the rate of pavement deterioration.
2. Implement a periodic crack sealing program. Sealing cracks is a proven method for cost-effectively keeping water and debris out of the pavement system and extending its life.
3. Ensure that dirt does not build up along the edges of the pavements. This can create a “bathtub” effect—reducing the ability of water to drain away from the pavement system.
4. Closely monitor heavy equipment movement, such as construction equipment, emergency equipment, and fueling equipment, to make sure that it is only operating on pavement designed to accommodate the heavy loads this type of equipment often applies. Failure to restrict heavy equipment to appropriate areas may result in the premature failure of airport pavements.
5. Other maintenance necessities include keeping all pavement markings well painted, keeping safety signage clear of debris and weeds, ensuring the continuous operation of lighting systems (bulb replacement), and the frequent removal of any debris found in any of the operating areas. In addition, failed pavement areas should be remediated as necessary.

### Remaining in Compliance with Public Law 103-305

Public Law 103-305 states that after January 1, 1995, airport sponsors must provide assurances or certifications that an airport has implemented an effective airport pavement maintenance management system (PMMS) before the airport will be considered for funding of pavement replacement or reconstruction projects. To be in full compliance with the Federal law, the PMMS must include the following components at a minimum: pavement inventory, pavement inspections, record keeping, information retrieval, and program funding.

By undertaking this project, the Department has provided Middle Georgia Regional Airport with an excellent basis for meeting the requirements of this law. The airport now has a complete pavement inventory and a detailed inspection. To remain in compliance with the law, the airport will also need to undertake monthly drive-by inspections of pavement conditions and track pavement-related maintenance activities. The next detailed inspection should occur in 2015.

The FAA AC 150/5380-6B provides further information on Public Law 103-305. Specifically, Appendix 1 of this AC outlines what needs to be included in a PMMS to satisfy FAA Grant Assurance 11. A copy of this AC can be found at the following website [http://www.faa.gov/regulations\\_policies/advisory\\_circulars/index.cfm/go/document/information/documentID/22556](http://www.faa.gov/regulations_policies/advisory_circulars/index.cfm/go/document/information/documentID/22556).



## **SUMMARY**

This report documents the results of the pavement evaluation conducted at Middle Georgia Regional Airport. During a visual inspection of the pavements in 2012, it was found that the overall condition of the pavement network is a PCI of 70. A 5- year pavement repair program was generated for Middle Georgia Regional Airport, which revealed that approximately \$10,636,311 needs to be expended on the pavement system to maintain and/or improve its condition.

# **APPENDIX A**

## **CAUSE OF DISTRESS TABLES**

Table A-1. Cause of Pavement Distress, Asphalt-Surfaced Pavements.

<b>Distress Type</b>	<b>Probable Cause of Distress</b>	<b>Feasible Maintenance Strategies</b>
Alligator Cracking	Fatigue failure of the asphalt concrete surface under repeated traffic loading.	If localized, partial- or full-depth asphalt patch. If extensive, major rehabilitation needed.
Bleeding	Excessive amounts of asphalt cement or tars in the mix and/or low air void content.	Spread heated sand, roll, and sweep. Another option is to plane excess asphalt. Or, remove and replace.
Block Cracking	Shrinkage of the asphalt concrete and daily temperature cycling; it is not load associated.	At low severity levels, crack seal and/or surface treatment. At higher severities, consider overlay.
Corrugation	Traffic action combined with an unstable pavement layer.	If localized, mill. If extensive, remove and replace.
Depression	Settlement of the foundation soil or can be “built up” during construction.	Patch.
Jet Blast	Bituminous binder has been burned or carbonized.	Patch.
Joint Reflection Cracking	Movement of the concrete slab beneath the asphalt concrete surface due to thermal and moisture changes.	At low- and medium-severities, crack seal. At higher severities, especially if extensive, consider overlay.
Longitudinal and Transverse Cracking	Cracks may be caused by 1) poorly constructed paving lane joint, 2) shrinkage of the AC surface due to low temperatures or hardening of the asphalt, or 3) reflective crack caused by cracks in an underlying PCC slab.	At low- and medium-severity levels, crack seal. At higher severities, especially if extensive, consider overlay options.
Oil Spillage	Deterioration or softening of the pavement surface caused by the spilling of oil, fuel, or other solvents.	Patch.
Patching	N/A	Replace patch if deteriorated.
Polished Aggregate	Repeated traffic applications.	Aggregate seal coat is one option. Could also groove or mill. Overlay is another option.
Raveling	Asphalt binder may have hardened significantly, causing coarse aggregate pieces to dislodge.	Patch if isolated. At higher severity levels, consider major rehabilitation if extensive.
Rutting	Usually caused by consolidation or lateral movement of the materials due to traffic loads.	Patch medium- and high-severity levels if localized. If extensive, consider major rehabilitation.
Shoving	Where PCC pavements adjoin flexible pavements, PCC “growth” may shove the asphalt pavement.	Mill and patch as needed.
Slippage Cracking	Low strength surface mix or poor bond between the surface and next layer of pavement structure.	Partial- or full-depth patch.
Swelling	Usually caused by frost action or by swelling soil.	Patch if localized. Major rehabilitation if extensive.
Weathering	Asphalt binder and/or fine aggregate may wear away as the pavement ages and hardens.	Patch if isolated. Consider a surface treatment if extensive.

Table A-2. Cause of Pavement Distress, PCC Pavements.

<b>Distress Type</b>	<b>Probable Cause of Distress</b>	<b>Feasible Maintenance Strategies</b>
Alkali Silica Reaction (ASR)	Chemical reaction of alkalis in the portland cement with certain reactive silica minerals. ASR may be accelerated by the use of chemical pavement deicers.	At medium- and high-severity levels, slab replacement is recommended.
Blow-Up	Incompressibles in joints.	Partial- or full-depth patch. Slab replacement.
Corner Break	Load repetition combined with loss of support and curling stresses.	Seal cracks at low-severity. Full-depth patch.
Cracks	Combination of load repetition, curling stresses, and shrinkage stresses.	Seal cracks. At high-severity, may need full-depth patch or slab replacement.
Durability Cracking	Concrete's inability to withstand environmental factors such as freeze-thaw cycles.	Full-depth patch if present on small amount of slab. At higher severity levels, once it has appeared on most of slab, slab replacement.
Joint Seal Damage	Stripping of joint sealant, extrusion of joint sealant, weed growth, hardening of the filler (oxidation), loss of bond to the slab edges, or absence of sealant in joint.	Replace joint seal.
Patching (Small and Large)	N/A	Replace patches if deteriorated.
Popouts	Freeze-thaw action in combination with expansive aggregates.	Monitor.
Pumping	Poor drainage, poor joint sealant.	Seal cracks and joints. Underseal is an option if voids have developed. Establish good drainage.
Scaling	Overfinishing of concrete, deicing salts, improper construction, freeze-thaw cycles, and poor aggregate.	At low-severity levels, do nothing. At medium- and high-severity levels, partial-depth patches or slab replacement.
Settlement	Upheaval or consolidation.	At higher severity levels, leveling patch or grind to restore smooth ride.
Shattered Slab	Load repetition.	Replace slab.
Shrinkage	Setting and curing of the concrete.	Monitor.
Spalling (Joint and Corner)	Excessive stresses at the joint caused by infiltration of incompressible materials or traffic loads; weak concrete at joint combined with traffic loads.	Partial-depth patch.

# **APPENDIX B**

# **PHOTOGRAPHS**



A01MGRA-10. Overview.



A01MGRA-10. Block Cracking (Sample Unit #26).



A01MGRA-10. Longitudinal and Transverse Cracking (Sample Unit #26).



A01MGRA-10. Satisfactory Paint.



A01MGRA-10. Swelling (Sample Unit #02).



A01MGRA-20. Overview.





A01MGRA-20. Depression (Sample Unit #41).



A01MGRA-20. Longitudinal and Transverse Cracking (Sample Unit #41).



A01MGRA-20. Unsatisfactory Paint.



A01MGRA-30. Overview.



A01MGRA-30. Longitudinal and Transverse Cracking (Sample Unit #01).



A01MGRA-30. Satisfactory Paint.



A01MGRA-40. Overview.



A01MGRA-40. Longitudinal and Transverse Cracking (Sample Unit #14).



A01MGRA-40. Unsatisfactory Paint.



A01MGRA-50. Overview.



A01MGRA-50. Depression (Sample Unit #02).



A01MGRA-50. Longitudinal and Transverse Cracking (Sample Unit #16).



A01MGRA-50. Unsatisfactory Paint.



A01MGRA-60. Overview.



A01MGRA-60. Depression (Sample Unit #02).



A01MGRA-60. Longitudinal and Transverse Cracking (Sample Unit #03).





A01MGRA-60. Raveling (Sample Unit #03).



A01MGRA-60. Unsatisfactory Paint.



A01MGRA-70. Overview.



A01MGRA-70. Block Cracking (Sample Unit #08).



A01MGRA-70. Longitudinal and Transverse Cracking (Sample Unit #08).



A01MGRA-70. Swelling (Sample Unit #08).



A01MGRA-80. Overview.



A01MGRA-80. Alligator Cracking (Sample Unit #13).



A01MGRA-80. Longitudinal and Transverse Cracking (Sample Unit #13).



A01MGRA-80. Patching (Sample Unit #13).



R1311MGRA-10C. Overview.



R1311MGRA-10C. Longitudinal and Transverse Cracking (Sample Unit #08).



R1311MGRA-10C. Swelling (Sample Unit #08).



R1311MGRA-10C. Unsatisfactory Paint.



R1311MGRA-10N. Overview.



R1311MGRA-10N. Longitudinal and Transverse Cracking (Sample Unit #02) (2).





R1311MGRA-10N. Longitudinal and Transverse Cracking (Sample Unit #02).



R1311MGRA-10N. Swelling (Sample Unit #02).



R1331MGRA-10S. Overview.



R1311MGRA-10S. Longitudinal and Transverse Cracking (Sample Unit #03).



R523MGRA-10C. Overview.



R523MGRA-10C. Satisfactory Paint.



R523MGRA-10N. Overview.



R523MGRA-10N. Satisfactory Paint.



R523MGRA-10S. Overview.



R523MGRA-10S. Satisfactory Paint.



TAMGRA-10. Overview.



TAMGRA-10. Block Cracking (Sample Unit #21).



TAMGRA-10. Longitudinal and Transverse Cracking (Sample Unit #24).



TAMGRA-10. Longitudinal and Transverse Cracking (Sample Unit #30).



TAMGRA-10. Satisfactory Paint.



TB3MGRA-10. Overview.





TB3MGRA-10. Longitudinal and Transverse Cracking (Sample Unit #04).



TB3MGRA-10. Satisfactory Paint.



TBMGRA-10. Overview.



TBMGRA-10. Satisfactory Paint.



TBMGRA-20. Overview.



TBMGRA-20. Satisfactory Paint.



TCMGRA-10. Overview.



TCMGRA-10. Block Cracking (Sample Unit #14).



TCMGRA-10. Longitudinal and Transverse Cracking (Sample Unit #14).



TCMGRA-10. Satisfactory Paint.



TCMGRA-20. Overview.



TCMGRA-20. Longitudinal and Transverse Cracking (Sample Unit #70).



TCMGRA-20. Satisfactory Paint.



TGAMGRA-10. Overview.



TGAMGRA-10. Alligator Cracking (Sample Unit #07).



TGAMGRA-10. Bleeding (Sample Unit #11).





TGAMGRA-10. Depression (Sample Unit #07).



TGAMGRA-10. Longitudinal and Transverse Cracking (Sample Unit #11).



TGAMGRA-10. Unsatisfactory Paint.

# **APPENDIX C**

## **INSPECTION REPORT**

# Re-inspection Report

GA 2012 FINAL

Report Generated Date: December 04, 2012

Network: MACON-MCN Name: MIDDLE GEORGIA REGIONAL AIRPORT

Branch: A01MGRA Name: APRON 01 Use: APRON Area: 1,036,574.03SqFt

Section: 10 of 8 From: SEE MAP To: SEE MAP Last Const.: 06/01/1994  
Surface: AC Family: GAACAPCSOUTH Zone: SAT Category: Rank: P  
Area: 167,742.00SqFt Length: 450.00Ft Width: 400.00Ft  
Shoulder: Street Type: Grade: 0.00 Lanes: 0

Section Comments:

Last Insp. Date: 03/14/2012 Total Samples: 36 Surveyed: 7

Conditions: PCI : 41

Inspection Comments:

Sample Number: 02 Type: R Area: 5,000.00SqFt PCI = 38

Sample Comments:

43 BLOCK CRACKING	M	500.00	SqFt	Comments:w
45 DEPRESSION	L	40.00	SqFt	Comments:
57 WEATHERING	L	5,000.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	102.00	Ft	Comments:u
48 LONGITUDINAL/TRANSVERSE CRACKING	M	213.00	Ft	Comments:w
50 PATCHING	L	56.00	SqFt	Comments:
56 SWELLING	L	150.00	SqFt	Comments:
56 SWELLING	M	20.00	SqFt	Comments:
41 ALLIGATOR CRACKING	M	40.00	SqFt	Comments:

Sample Number: 04 Type: R Area: 5,000.00SqFt PCI = 52

Sample Comments:

57 WEATHERING	L	5,000.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	M	239.00	Ft	Comments:w
48 LONGITUDINAL/TRANSVERSE CRACKING	L	32.00	Ft	Comments:u
56 SWELLING	L	180.00	SqFt	Comments:
45 DEPRESSION	L	25.00	SqFt	Comments:
43 BLOCK CRACKING	M	300.00	SqFt	Comments:w

Sample Number: 06 Type: R Area: 5,000.00SqFt PCI = 49

Sample Comments:

43 BLOCK CRACKING	M	580.00	SqFt	Comments:w
56 SWELLING	L	160.00	SqFt	Comments:
56 SWELLING	M	25.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	M	253.00	Ft	Comments:w
48 LONGITUDINAL/TRANSVERSE CRACKING	L	112.00	Ft	Comments:u
57 WEATHERING	L	5,000.00	SqFt	Comments:

Sample Number: 22 Type: R Area: 5,000.00SqFt PCI = 36

Sample Comments:

43 BLOCK CRACKING	L	2,000.00	SqFt	Comments:u
43 BLOCK CRACKING	M	3,000.00	SqFt	Comments:w
56 SWELLING	L	200.00	SqFt	Comments:
56 SWELLING	M	100.00	SqFt	Comments:
57 WEATHERING	L	5,000.00	SqFt	Comments:

Sample Number: 26 Type: R Area: 5,000.00SqFt PCI = 47

Sample Comments:

45 DEPRESSION	L	4.00	SqFt	Comments:
56 SWELLING	L	200.00	SqFt	Comments:
43 BLOCK CRACKING	M	1,200.00	SqFt	Comments:w

# Re-inspection Report

GA 2012 FINAL

Report Generated Date: December 04, 2012

---

57 WEATHERING	L	5,000.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	111.00	Ft	Comments:u
48 LONGITUDINAL/TRANSVERSE CRACKING	M	328.00	Ft	Comments:w

---

Sample Number: 29                      Type: R                      Area: 4,250.00SqFt                      PCI = 30

Sample Comments:

43 BLOCK CRACKING	M	2,800.00	SqFt	Comments:w
48 LONGITUDINAL/TRANSVERSE CRACKING	L	150.00	Ft	Comments:u
48 LONGITUDINAL/TRANSVERSE CRACKING	M	350.00	Ft	Comments:w
56 SWELLING	L	225.00	SqFt	Comments:
56 SWELLING	M	100.00	SqFt	Comments:
57 WEATHERING	L	4,250.00	SqFt	Comments:

---

Sample Number: 32                      Type: R                      Area: 4,171.00SqFt                      PCI = 28

Sample Comments:

43 BLOCK CRACKING	L	2,000.00	SqFt	Comments:u
43 BLOCK CRACKING	M	3,000.00	SqFt	Comments:w
56 SWELLING	L	250.00	SqFt	Comments:
56 SWELLING	M	150.00	SqFt	Comments:
45 DEPRESSION	M	50.00	SqFt	Comments:
45 DEPRESSION	L	25.00	SqFt	Comments:
57 WEATHERING	L	4,171.00	SqFt	Comments:

# Re-inspection Report

GA 2012 FINAL

Report Generated Date: December 04, 2012

Network: MACON-MCN Name: MIDDLE GEORGIA REGIONAL AIRPORT

Branch: A01MGRA Name: APRON 01 Use: APRON Area: 1,036,574.03SqFt

Section: 20 of 8 From: SEE MAP To: SEE MAP Last Const.: 06/01/1990  
Surface: AC Family: GAACAPCSSOUTH Zone: U-FA Category: Rank: P  
Area: 385,815.01SqFt Length: 1,330.00Ft Width: 290.00Ft  
Shoulder: Street Type: Grade: 0.00 Lanes: 0

Section Comments:

Last Insp. Date: 03/14/2012 Total Samples: 79 Surveyed: 8

Conditions: PCI: 42

Inspection Comments:

Sample Number: 11 Type: R Area: 5,000.00SqFt PCI = 40  
Sample Comments:  
56 SWELLING L 175.00 SqFt Comments:  
56 SWELLING M 75.00 SqFt Comments:  
48 LONGITUDINAL/TRANSVERSE CRACKING L 215.00 Ft Comments:u  
57 WEATHERING L 4,500.00 SqFt Comments:  
48 LONGITUDINAL/TRANSVERSE CRACKING M 602.00 Ft Comments:w,fs  
48 LONGITUDINAL/TRANSVERSE CRACKING L 15.00 Ft Comments:s

Sample Number: 17 Type: R Area: 5,000.00SqFt PCI = 43  
Sample Comments:  
57 WEATHERING L 5,000.00 SqFt Comments:  
48 LONGITUDINAL/TRANSVERSE CRACKING L 250.00 Ft Comments:u  
48 LONGITUDINAL/TRANSVERSE CRACKING M 520.00 Ft Comments:fs  
48 LONGITUDINAL/TRANSVERSE CRACKING L 41.00 Ft Comments:s  
56 SWELLING L 115.00 SqFt Comments:  
56 SWELLING M 15.00 SqFt Comments:

Sample Number: 29 Type: R Area: 5,000.00SqFt PCI = 52  
Sample Comments:  
48 LONGITUDINAL/TRANSVERSE CRACKING L 128.00 Ft Comments:u  
48 LONGITUDINAL/TRANSVERSE CRACKING M 42.00 Ft Comments:w  
43 BLOCK CRACKING L 1,200.00 SqFt Comments:u  
43 BLOCK CRACKING M 1,200.00 SqFt Comments:fs  
48 LONGITUDINAL/TRANSVERSE CRACKING M 100.00 Ft Comments:fs

Sample Number: 41 Type: R Area: 5,000.00SqFt PCI = 36  
Sample Comments:  
43 BLOCK CRACKING M 450.00 SqFt Comments:fs  
43 BLOCK CRACKING L 400.00 SqFt Comments:u  
48 LONGITUDINAL/TRANSVERSE CRACKING M 400.00 Ft Comments:fs,w  
48 LONGITUDINAL/TRANSVERSE CRACKING L 252.00 Ft Comments:u  
56 SWELLING M 25.00 SqFt Comments:  
56 SWELLING L 100.00 SqFt Comments:  
45 DEPRESSION L 25.00 SqFt Comments:  
57 WEATHERING L 5,000.00 SqFt Comments:

Sample Number: 50 Type: R Area: 5,000.00SqFt PCI = 45  
Sample Comments:  
48 LONGITUDINAL/TRANSVERSE CRACKING L 108.00 Ft Comments:u  
43 BLOCK CRACKING L 3,000.00 SqFt Comments:u  
43 BLOCK CRACKING M 500.00 SqFt Comments:fs  
56 SWELLING L 200.00 SqFt Comments:

# Re-inspection Report

GA 2012 FINAL

Report Generated Date: December 04, 2012

---

48	LONGITUDINAL/TRANSVERSE CRACKING	M	100.00	Ft	Comments:fs
57	WEATHERING	L	5,000.00	SqFt	Comments:

---

Sample Number: 57                      Type: R                      Area: 5,000.00SqFt                      PCI = 36

Sample Comments:

48	LONGITUDINAL/TRANSVERSE CRACKING	L	252.00	Ft	Comments:u
48	LONGITUDINAL/TRANSVERSE CRACKING	M	241.00	Ft	Comments:w
48	LONGITUDINAL/TRANSVERSE CRACKING	M	500.00	Ft	Comments:fs
56	SWELLING	L	150.00	SqFt	Comments:
56	SWELLING	M	50.00	SqFt	Comments:
57	WEATHERING	L	5,000.00	SqFt	Comments:

---

Sample Number: 63                      Type: R                      Area: 5,000.00SqFt                      PCI = 30

Sample Comments:

48	LONGITUDINAL/TRANSVERSE CRACKING	M	237.00	Ft	Comments:w
48	LONGITUDINAL/TRANSVERSE CRACKING	L	165.00	Ft	Comments:u
48	LONGITUDINAL/TRANSVERSE CRACKING	M	550.00	Ft	Comments:fs
45	DEPRESSION	L	45.00	SqFt	Comments:
56	SWELLING	L	270.00	SqFt	Comments:
56	SWELLING	M	15.00	SqFt	Comments:
57	WEATHERING	L	5,000.00	SqFt	Comments:

---

Sample Number: 68                      Type: R                      Area: 5,000.00SqFt                      PCI = 54

Sample Comments:

43	BLOCK CRACKING	L	3,500.00	SqFt	Comments:u
48	LONGITUDINAL/TRANSVERSE CRACKING	L	40.00	Ft	Comments:u
56	SWELLING	L	376.00	SqFt	Comments:
57	WEATHERING	L	5,000.00	SqFt	Comments:

# Re-inspection Report

GA 2012 FINAL

Report Generated Date: December 04, 2012

Network: MACON-MCN Name: MIDDLE GEORGIA REGIONAL AIRPORT

Branch: A01MGRA Name: APRON 01 Use: APRON Area: 1,036,574.03SqFt

Section: 30 of 8 From: SEE MAP To: SEE MAP Last Const.: 06/01/1998  
Surface: AAC Family: GAAACAPCSOUTH Zone: SAT Category: Rank: P  
Area: 12,000.00SqFt Length: 40.00Ft Width: 350.00Ft  
Shoulder: Street Type: Grade: 0.00 Lanes: 0

Section Comments:

Last Insp. Date: 03/14/2012 Total Samples: 2 Surveyed: 2

Conditions: PCI : 67

Inspection Comments:

Sample Number: 01 Type: R Area: 6,000.00SqFt PCI = 65

Sample Comments:

57 WEATHERING	L	6,000.00 SqFt	Comments:
56 SWELLING	L	30.00 SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	244.00 Ft	Comments:u
48 LONGITUDINAL/TRANSVERSE CRACKING	M	248.00 Ft	Comments:w

Sample Number: 02 Type: R Area: 6,000.00SqFt PCI = 68

Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	L	270.00 Ft	Comments:u
48 LONGITUDINAL/TRANSVERSE CRACKING	M	135.00 Ft	Comments:w
57 WEATHERING	L	6,000.00 SqFt	Comments:
56 SWELLING	L	140.00 SqFt	Comments:



# Re-inspection Report

GA 2012 FINAL

Report Generated Date: December 04, 2012

Network: MACON-MCN Name: MIDDLE GEORGIA REGIONAL AIRPORT

Branch: A01MGRA Name: APRON 01 Use: APRON Area: 1,036,574.03SqFt

Section: 40 of 8 From: SEE MAP To: SEE MAP Last Const.: 06/01/1998  
Surface: AAC Family: GAAACAPCSSOUTH Zone: U-CR Category: Rank: P  
Area: 79,420.00SqFt Length: 820.00Ft Width: 75.00Ft  
Shoulder: Street Type: Grade: 0.00 Lanes: 0

Section Comments:

Last Insp. Date: 03/14/2012 Total Samples: 16 Surveyed: 7

Conditions: PCI: 72

Inspection Comments:

Sample Number: 01 Type: R Area: 4,875.00SqFt PCI = 81

Sample Comments:

48	LONGITUDINAL/TRANSVERSE CRACKING	L	103.00	Ft	Comments:u
48	LONGITUDINAL/TRANSVERSE CRACKING	M	7.00	Ft	Comments:w
56	SWELLING	L	20.00	SqFt	Comments:
57	WEATHERING	L	2,500.00	SqFt	Comments:

Sample Number: 03 Type: R Area: 4,875.00SqFt PCI = 79

Sample Comments:

48	LONGITUDINAL/TRANSVERSE CRACKING	L	145.00	Ft	Comments:u
48	LONGITUDINAL/TRANSVERSE CRACKING	M	10.00	Ft	Comments:w
57	WEATHERING	L	2,500.00	SqFt	Comments:
56	SWELLING	L	10.00	SqFt	Comments:

Sample Number: 04 Type: R Area: 4,875.00SqFt PCI = 74

Sample Comments:

48	LONGITUDINAL/TRANSVERSE CRACKING	L	216.00	Ft	Comments:u
48	LONGITUDINAL/TRANSVERSE CRACKING	M	13.00	Ft	Comments:w
56	SWELLING	L	40.00	SqFt	Comments:
57	WEATHERING	L	2,500.00	SqFt	Comments:

Sample Number: 07 Type: R Area: 5,200.00SqFt PCI = 72

Sample Comments:

50	PATCHING	L	160.00	SqFt	Comments:
48	LONGITUDINAL/TRANSVERSE CRACKING	L	178.00	Ft	Comments:u
48	LONGITUDINAL/TRANSVERSE CRACKING	M	18.00	Ft	Comments:w
56	SWELLING	L	25.00	SqFt	Comments:
57	WEATHERING	L	2,600.00	SqFt	Comments:

Sample Number: 10 Type: R Area: 5,650.00SqFt PCI = 66

Sample Comments:

48	LONGITUDINAL/TRANSVERSE CRACKING	M	250.00	Ft	Comments:w
48	LONGITUDINAL/TRANSVERSE CRACKING	L	278.00	Ft	Comments:u
57	WEATHERING	L	2,800.00	SqFt	Comments:

Sample Number: 12 Type: R Area: 4,840.00SqFt PCI = 59

Sample Comments:

56	SWELLING	L	50.00	SqFt	Comments:
48	LONGITUDINAL/TRANSVERSE CRACKING	L	262.00	Ft	Comments:u
48	LONGITUDINAL/TRANSVERSE CRACKING	M	84.00	Ft	Comments:sec crk
43	BLOCK CRACKING	L	2,400.00	SqFt	Comments:

# Re-inspection Report

GA 2012 FINAL

Report Generated Date: December 04, 2012

---

Sample Number:	14	Type:	R	Area:	3,725.00SqFt	PCI =	74
Sample Comments:							
48	LONGITUDINAL/TRANSVERSE	CRACKING	M	41.00	Ft	Comments:	w
48	LONGITUDINAL/TRANSVERSE	CRACKING	L	162.00	Ft	Comments:	u
56	SWELLING		L	30.00	SqFt	Comments:	
57	WEATHERING		L	2,000.00	SqFt	Comments:	

# Re-inspection Report

GA 2012 FINAL

Report Generated Date: December 04, 2012

Network: MACON-MCN Name: MIDDLE GEORGIA REGIONAL AIRPORT

Branch: A01MGRA Name: APRON 01 Use: APRON Area: 1,036,574.03SqFt

Section: 50 of 8 From: SEE MAP To: SEE MAP Last Const.: 06/01/1998  
Surface: AAC Family: GAAACAPCSOUTH Zone: U-CR Category: Rank: P  
Area: 103,271.00SqFt Length: 180.00Ft Width: 600.00Ft  
Shoulder: Street Type: Grade: 0.00 Lanes: 0

Section Comments:

Last Insp. Date: 03/14/2012 Total Samples: 24 Surveyed: 6

Conditions: PCI: 64

Inspection Comments:

Sample Number: 02 Type: R Area: 4,500.00SqFt PCI = 49  
Sample Comments:  
50 PATCHING L 50.00 SqFt Comments:  
45 DEPRESSION L 40.00 SqFt Comments:  
45 DEPRESSION H 20.00 SqFt Comments:  
48 LONGITUDINAL/TRANSVERSE CRACKING M 338.00 Ft Comments:w  
48 LONGITUDINAL/TRANSVERSE CRACKING L 258.00 Ft Comments:u

Sample Number: 06 Type: R Area: 4,500.00SqFt PCI = 53  
Sample Comments:  
48 LONGITUDINAL/TRANSVERSE CRACKING M 175.00 Ft Comments:w  
48 LONGITUDINAL/TRANSVERSE CRACKING L 200.00 Ft Comments:u  
50 PATCHING L 74.00 SqFt Comments:  
52 RAVELING L 300.00 SqFt Comments:  
52 RAVELING M 20.00 SqFt Comments:  
45 DEPRESSION L 65.00 SqFt Comments:

Sample Number: 12 Type: R Area: 4,500.00SqFt PCI = 68  
Sample Comments:  
56 SWELLING L 175.00 SqFt Comments:  
48 LONGITUDINAL/TRANSVERSE CRACKING L 410.00 Ft Comments:u  
48 LONGITUDINAL/TRANSVERSE CRACKING M 140.00 Ft Comments:w

Sample Number: 16 Type: R Area: 4,500.00SqFt PCI = 71  
Sample Comments:  
48 LONGITUDINAL/TRANSVERSE CRACKING L 325.00 Ft Comments:u  
48 LONGITUDINAL/TRANSVERSE CRACKING M 182.00 Ft Comments:w  
45 DEPRESSION L 10.00 SqFt Comments:

Sample Number: 19 Type: R Area: 4,125.00SqFt PCI = 64  
Sample Comments:  
48 LONGITUDINAL/TRANSVERSE CRACKING M 285.00 Ft Comments:w  
48 LONGITUDINAL/TRANSVERSE CRACKING L 142.00 Ft Comments:u  
56 SWELLING L 2.00 SqFt Comments:

Sample Number: 23 Type: R Area: 4,125.00SqFt PCI = 78  
Sample Comments:  
48 LONGITUDINAL/TRANSVERSE CRACKING M 100.00 Ft Comments:w  
48 LONGITUDINAL/TRANSVERSE CRACKING L 108.00 Ft Comments:u

# Re-inspection Report

GA 2012 FINAL

Report Generated Date: December 04, 2012

Network: MACON-MCN Name: MIDDLE GEORGIA REGIONAL AIRPORT

Branch: A01MGRA Name: APRON 01 Use: APRON Area: 1,036,574.03SqFt

Section: 60 of 8 From: SEE MAP To: SEE MAP Last Const.: 06/01/1998  
Surface: AAC Family: GAAACAPCSSOUTH Zone: U-FA Category: Rank: P  
Area: 32,292.00SqFt Length: 400.00Ft Width: 80.00Ft  
Shoulder: Street Type: Grade: 0.00 Lanes: 0

Section Comments:

Last Insp. Date: 03/14/2012 Total Samples: 6 Surveyed: 4

Conditions: PCI: 57

Inspection Comments:

Sample Number: 01 Type: R Area: 4,290.00SqFt PCI = 61

Sample Comments:

57 WEATHERING	M	150.00	SqFt	Comments:
57 WEATHERING	L	3,850.00	SqFt	Comments:
56 SWELLING	L	240.00	SqFt	Comments:
45 DEPRESSION	L	75.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	181.00	Ft	Comments:u
48 LONGITUDINAL/TRANSVERSE CRACKING	M	87.00	Ft	Comments:w

Sample Number: 03 Type: R Area: 6,000.00SqFt PCI = 51

Sample Comments:

56 SWELLING	L	165.00	SqFt	Comments:
57 WEATHERING	L	6,000.00	SqFt	Comments:
52 RAVELING	M	100.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	M	378.00	Ft	Comments:w
48 LONGITUDINAL/TRANSVERSE CRACKING	L	93.00	Ft	Comments:u

Sample Number: 04 Type: R Area: 6,000.00SqFt PCI = 56

Sample Comments:

56 SWELLING	L	100.00	SqFt	Comments:
52 RAVELING	M	200.00	SqFt	Comments:
57 WEATHERING	L	5,800.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	M	281.00	Ft	Comments:w
48 LONGITUDINAL/TRANSVERSE CRACKING	L	113.00	Ft	Comments:u

Sample Number: 06 Type: R Area: 6,000.00SqFt PCI = 60

Sample Comments:

52 RAVELING	M	100.00	SqFt	Comments:
57 WEATHERING	L	5,900.00	SqFt	Comments:
56 SWELLING	L	70.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	M	216.00	Ft	Comments:w
48 LONGITUDINAL/TRANSVERSE CRACKING	L	142.00	Ft	Comments:u

# Re-inspection Report

GA 2012 FINAL

Report Generated Date: December 04, 2012

Network: MACON-MCN Name: MIDDLE GEORGIA REGIONAL AIRPORT

Branch: A01MGRA Name: APRON 01 Use: APRON Area: 1,036,574.03SqFt

Section: 70 of 8 From: SEE MAP To: SEE MAP Last Const.: 06/01/1990  
Surface: AC Family: GAACAPCSOUTH Zone: N/A Category: Rank: P  
Area: 175,731.00SqFt Length: 470.00Ft Width: 350.00Ft  
Shoulder: Street Type: Grade: 0.00 Lanes: 0

Section Comments:

Last Insp. Date: 03/14/2012 Total Samples: 38 Surveyed: 7

Conditions: PCI: 42

Inspection Comments:

Sample Number: 06 Type: R Area: 5,000.00SqFt PCI = 33

Sample Comments:

43 BLOCK CRACKING	M	1,500.00	SqFt	Comments:w
43 BLOCK CRACKING	L	1,500.00	SqFt	Comments:u
48 LONGITUDINAL/TRANSVERSE CRACKING	M	345.00	Ft	Comments:w
48 LONGITUDINAL/TRANSVERSE CRACKING	L	117.00	Ft	Comments:u
56 SWELLING	L	200.00	SqFt	Comments:
45 DEPRESSION	L	60.00	SqFt	Comments:
57 WEATHERING	M	50.00	SqFt	Comments:
57 WEATHERING	L	4,950.00	SqFt	Comments:

Sample Number: 08 Type: R Area: 5,000.00SqFt PCI = 37

Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	325.00	Ft	Comments:w
48 LONGITUDINAL/TRANSVERSE CRACKING	L	118.00	Ft	Comments:u
56 SWELLING	L	275.00	SqFt	Comments:
57 WEATHERING	L	5,000.00	SqFt	Comments:
45 DEPRESSION	L	20.00	SqFt	Comments:
43 BLOCK CRACKING	M	2,500.00	SqFt	Comments:w

Sample Number: 15 Type: R Area: 5,000.00SqFt PCI = 36

Sample Comments:

43 BLOCK CRACKING	M	3,200.00	SqFt	Comments:w
48 LONGITUDINAL/TRANSVERSE CRACKING	M	152.00	Ft	Comments:w
48 LONGITUDINAL/TRANSVERSE CRACKING	L	25.00	Ft	Comments:u
56 SWELLING	L	300.00	SqFt	Comments:
57 WEATHERING	L	5,000.00	SqFt	Comments:

Sample Number: 17 Type: R Area: 5,000.00SqFt PCI = 51

Sample Comments:

43 BLOCK CRACKING	L	1,500.00	SqFt	Comments:u
48 LONGITUDINAL/TRANSVERSE CRACKING	M	220.00	Ft	Comments:w
48 LONGITUDINAL/TRANSVERSE CRACKING	L	142.00	Ft	Comments:u
56 SWELLING	L	250.00	SqFt	Comments:
45 DEPRESSION	L	80.00	SqFt	Comments:
57 WEATHERING	L	5,000.00	SqFt	Comments:

Sample Number: 20 Type: R Area: 5,000.00SqFt PCI = 47

Sample Comments:

56 SWELLING	L	140.00	SqFt	Comments:
43 BLOCK CRACKING	L	500.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	M	416.00	Ft	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	96.00	Ft	Comments:

# Re-inspection Report

GA 2012 FINAL

Report Generated Date: December 04, 2012

---

57 WEATHERING	L	5,000.00	SqFt	Comments:
---------------	---	----------	------	-----------

---

Sample Number: 23	Type: R	Area: 5,000.00SqFt	PCI = 48
-------------------	---------	--------------------	----------

Sample Comments:

43 BLOCK CRACKING	L	1,300.00	SqFt	Comments:u
48 LONGITUDINAL/TRANSVERSE CRACKING	M	374.00	Ft	Comments:w
48 LONGITUDINAL/TRANSVERSE CRACKING	L	86.00	Ft	Comments:u
57 WEATHERING	L	5,000.00	SqFt	Comments:
56 SWELLING	L	150.00	SqFt	Comments:

---

Sample Number: 28	Type: R	Area: 5,000.00SqFt	PCI = 41
-------------------	---------	--------------------	----------

Sample Comments:

43 BLOCK CRACKING	M	1,500.00	SqFt	Comments:w
56 SWELLING	L	300.00	SqFt	Comments:
45 DEPRESSION	L	35.00	SqFt	Comments:
57 WEATHERING	L	5,000.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	M	268.00	Ft	Comments:w
48 LONGITUDINAL/TRANSVERSE CRACKING	L	125.00	Ft	Comments:u

# Re-inspection Report

GA 2012 FINAL

Report Generated Date: December 04, 2012

Network: MACON-MCN Name: MIDDLE GEORGIA REGIONAL AIRPORT

Branch: A01MGRA Name: APRON 01 Use: APRON Area: 1,036,574.03SqFt

Section: 80 of 8 From: SEE MAP To: SEE MAP Last Const.: 06/01/1990  
Surface: AC Family: GAACAPCSOUTH Zone: N/A Category: Rank: P  
Area: 80,303.00SqFt Length: 440.00Ft Width: 150.00Ft  
Shoulder: Street Type: Grade: 0.00 Lanes: 0

Section Comments:

Last Insp. Date: 03/14/2012 Total Samples: 15 Surveyed: 5

Conditions: PCI : 63

Inspection Comments:

Sample Number: 03 Type: R Area: 5,000.00SqFt PCI = 57

Sample Comments:

41 ALLIGATOR CRACKING	M	50.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	262.00	Ft	Comments:u
50 PATCHING	L	64.00	SqFt	Comments:
53 RUTTING	L	6.00	SqFt	Comments:

Sample Number: 05 Type: R Area: 5,765.00SqFt PCI = 76

Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	35.00	Ft	Comments:w
48 LONGITUDINAL/TRANSVERSE CRACKING	L	130.00	Ft	Comments:u
43 BLOCK CRACKING	L	300.00	SqFt	Comments:u
45 DEPRESSION	L	10.00	SqFt	Comments:

Sample Number: 10 Type: R Area: 5,765.00SqFt PCI = 61

Sample Comments:

43 BLOCK CRACKING	L	3,000.00	SqFt	Comments:u
41 ALLIGATOR CRACKING	M	10.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	215.00	Ft	Comments:

Sample Number: 12 Type: R Area: 5,625.00SqFt PCI = 67

Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	387.00	Ft	Comments:
50 PATCHING	L	25.00	SqFt	Comments:

Sample Number: 13 Type: R Area: 5,765.00SqFt PCI = 52

Sample Comments:

41 ALLIGATOR CRACKING	M	50.00	SqFt	Comments:
50 PATCHING	L	100.00	SqFt	Comments:
53 RUTTING	L	40.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	M	160.00	Ft	Comments:w
48 LONGITUDINAL/TRANSVERSE CRACKING	L	415.00	Ft	Comments:u

# Re-inspection Report

GA 2012 FINAL

Report Generated Date: December 04, 2012

Network: MACON-MCN Name: MIDDLE GEORGIA REGIONAL AIRPORT

Branch: R1331MGRA Name: RUNWAY 13/31 Use: RUNWAY Area: 673,304.00SqFt

Section: 10C of 3 From: APPROACH END 13 To: RW END 31 Last Const.: 06/01/1988  
Surface: AAC Family: GAAACRWYCSSOUTH Zone: U-FA Category: Rank: P  
Area: 467,557.00SqFt Length: 4,700.00Ft Width: 100.00Ft  
Shoulder: Street Type: Grade: 0.00 Lanes: 0

Section Comments:

Last Insp. Date: 03/15/2012 Total Samples: 91 Surveyed: 10

Conditions: PCI: 57

Inspection Comments:

Sample Number: 08 Type: R Area: 5,000.00SqFt PCI = 66  
Sample Comments:  
56 SWELLING L 50.00 SqFt Comments:  
48 LONGITUDINAL/TRANSVERSE CRACKING L 227.00 Ft Comments:u  
48 LONGITUDINAL/TRANSVERSE CRACKING M 255.00 Ft Comments:w

Sample Number: 17 Type: R Area: 5,000.00SqFt PCI = 63  
Sample Comments:  
48 LONGITUDINAL/TRANSVERSE CRACKING M 342.00 Ft Comments:w  
48 LONGITUDINAL/TRANSVERSE CRACKING L 463.00 Ft Comments:u  
56 SWELLING L 20.00 SqFt Comments:

Sample Number: 23 Type: R Area: 5,000.00SqFt PCI = 55  
Sample Comments:  
56 SWELLING L 20.00 SqFt Comments:  
48 LONGITUDINAL/TRANSVERSE CRACKING M 400.00 Ft Comments:w  
48 LONGITUDINAL/TRANSVERSE CRACKING L 320.00 Ft Comments:u  
43 BLOCK CRACKING L 375.00 SqFt Comments:

Sample Number: 32 Type: R Area: 5,000.00SqFt PCI = 54  
Sample Comments:  
48 LONGITUDINAL/TRANSVERSE CRACKING M 423.00 Ft Comments:w  
48 LONGITUDINAL/TRANSVERSE CRACKING L 638.00 Ft Comments:u  
56 SWELLING L 25.00 SqFt Comments:  
52 RAVELING H 1.00 SqFt Comments:

Sample Number: 41 Type: R Area: 5,000.00SqFt PCI = 58  
Sample Comments:  
48 LONGITUDINAL/TRANSVERSE CRACKING M 425.00 Ft Comments:w  
48 LONGITUDINAL/TRANSVERSE CRACKING L 413.00 Ft Comments:u  
56 SWELLING L 45.00 SqFt Comments:

Sample Number: 50 Type: R Area: 5,000.00SqFt PCI = 58  
Sample Comments:  
48 LONGITUDINAL/TRANSVERSE CRACKING L 474.00 Ft Comments:u  
48 LONGITUDINAL/TRANSVERSE CRACKING M 443.00 Ft Comments:w  
56 SWELLING L 30.00 SqFt Comments:

Sample Number: 59 Type: R Area: 5,000.00SqFt PCI = 44  
Sample Comments:  
43 BLOCK CRACKING L 1,500.00 SqFt Comments:u  
43 BLOCK CRACKING M 1,275.00 SqFt Comments:w  
48 LONGITUDINAL/TRANSVERSE CRACKING M 245.00 Ft Comments:w



# Re-inspection Report

GA 2012 FINAL

Report Generated Date: December 04, 2012

---

48	LONGITUDINAL/TRANSVERSE CRACKING	L	442.00	Ft	Comments:u
56	SWELLING	L	10.00	SqFt	Comments:

---

Sample Number: 67                      Type: R                      Area: 5,000.00SqFt                      PCI = 56

Sample Comments:

48	LONGITUDINAL/TRANSVERSE CRACKING	M	477.00	Ft	Comments:w
48	LONGITUDINAL/TRANSVERSE CRACKING	L	813.00	Ft	Comments:u

---

Sample Number: 74                      Type: R                      Area: 5,000.00SqFt                      PCI = 62

Sample Comments:

48	LONGITUDINAL/TRANSVERSE CRACKING	M	365.00	Ft	Comments:w
48	LONGITUDINAL/TRANSVERSE CRACKING	L	633.00	Ft	Comments:u

---

Sample Number: 76                      Type: R                      Area: 5,000.00SqFt                      PCI = 55

Sample Comments:

48	LONGITUDINAL/TRANSVERSE CRACKING	M	467.00	Ft	Comments:w
48	LONGITUDINAL/TRANSVERSE CRACKING	L	942.00	Ft	Comments:u

# Re-inspection Report

GA 2012 FINAL

Report Generated Date: December 04, 2012

Network: MACON-MCN Name: MIDDLE GEORGIA REGIONAL AIRPORT

Branch: R1331MGRA Name: RUNWAY 13/31 Use: RUNWAY Area: 673,304.00SqFt

Section: 10N of 3 From: 300' FROM 13 END To: RADIUS OF TWC @ 31 END Last Const.: 06/01/1988  
Surface: AAC Family: GAAACRWYCSSOUTH Zone: N/A Category: Rank: P  
Area: 96,656.00SqFt Length: 3,955.00Ft Width: 25.00Ft  
Shoulder: Street Type: Grade: 0.00 Lanes: 0

Section Comments:

Last Insp. Date: 03/15/2012 Total Samples: 19 Surveyed: 5

Conditions: PCI : 46

Inspection Comments:

Sample Number: 01 Type: R Area: 5,000.00SqFt PCI = 44  
Sample Comments:  
56 SWELLING M 200.00 SqFt Comments:  
48 LONGITUDINAL/TRANSVERSE CRACKING L 85.00 Ft Comments:u  
48 LONGITUDINAL/TRANSVERSE CRACKING M 525.00 Ft Comments:w  
48 LONGITUDINAL/TRANSVERSE CRACKING H 75.00 Ft Comments:w

Sample Number: 05 Type: R Area: 3,750.00SqFt PCI = 42  
Sample Comments:  
48 LONGITUDINAL/TRANSVERSE CRACKING M 568.00 Ft Comments:w  
48 LONGITUDINAL/TRANSVERSE CRACKING H 50.00 Ft Comments:w  
56 SWELLING M 200.00 SqFt Comments:

Sample Number: 09 Type: R Area: 5,000.00SqFt PCI = 48  
Sample Comments:  
48 LONGITUDINAL/TRANSVERSE CRACKING M 700.00 Ft Comments:w  
48 LONGITUDINAL/TRANSVERSE CRACKING L 121.00 Ft Comments:u  
56 SWELLING L 100.00 SqFt Comments:

Sample Number: 13 Type: R Area: 5,000.00SqFt PCI = 48  
Sample Comments:  
48 LONGITUDINAL/TRANSVERSE CRACKING M 675.00 Ft Comments:w  
48 LONGITUDINAL/TRANSVERSE CRACKING L 200.00 Ft Comments:u  
56 SWELLING L 90.00 SqFt Comments:

Sample Number: 17 Type: R Area: 5,000.00SqFt PCI = 46  
Sample Comments:  
48 LONGITUDINAL/TRANSVERSE CRACKING M 750.00 Ft Comments:w  
48 LONGITUDINAL/TRANSVERSE CRACKING L 100.00 Ft Comments:u  
56 SWELLING L 100.00 SqFt Comments:

# Re-inspection Report

GA 2012 FINAL

Report Generated Date: December 04, 2012

Network: MACON-MCN Name: MIDDLE GEORGIA REGIONAL AIRPORT

Branch: R1331MGRA Name: RUNWAY 13/31 Use: RUNWAY Area: 673,304.00SqFt

Section: 10S of 3 From: 100' FROM APP END 13 To: 31 END OF RW Last Const.: 06/01/1988  
Surface: AAC Family: GAAACRWYCSSOUTH Zone: N/A Category: Rank: P  
Area: 109,091.00SqFt Length: 4,520.00Ft Width: 25.00Ft  
Shoulder: Street Type: Grade: 0.00 Lanes: 0

Section Comments:

Last Insp. Date: 03/15/2012 Total Samples: 22 Surveyed: 6

Conditions: PCI : 51

Inspection Comments:

Sample Number: 03 Type: R Area: 5,000.00SqFt PCI = 52  
Sample Comments:  
48 LONGITUDINAL/TRANSVERSE CRACKING M 540.00 Ft Comments:w  
48 LONGITUDINAL/TRANSVERSE CRACKING L 100.00 Ft Comments:u  
56 SWELLING L 100.00 SqFt Comments:

Sample Number: 06 Type: R Area: 3,750.00SqFt PCI = 38  
Sample Comments:  
48 LONGITUDINAL/TRANSVERSE CRACKING M 500.00 Ft Comments:w  
48 LONGITUDINAL/TRANSVERSE CRACKING L 40.00 Ft Comments:u  
48 LONGITUDINAL/TRANSVERSE CRACKING H 10.00 Ft Comments:w  
56 SWELLING L 100.00 SqFt Comments:  
56 SWELLING M 5.00 SqFt Comments:

Sample Number: 09 Type: R Area: 5,000.00SqFt PCI = 48  
Sample Comments:  
48 LONGITUDINAL/TRANSVERSE CRACKING M 700.00 Ft Comments:w  
48 LONGITUDINAL/TRANSVERSE CRACKING L 112.00 Ft Comments:u  
56 SWELLING L 100.00 SqFt Comments:

Sample Number: 12 Type: R Area: 5,000.00SqFt PCI = 52  
Sample Comments:  
48 LONGITUDINAL/TRANSVERSE CRACKING M 550.00 Ft Comments:w  
48 LONGITUDINAL/TRANSVERSE CRACKING L 103.00 Ft Comments:u  
56 SWELLING L 100.00 SqFt Comments:

Sample Number: 15 Type: R Area: 5,000.00SqFt PCI = 53  
Sample Comments:  
48 LONGITUDINAL/TRANSVERSE CRACKING M 500.00 Ft Comments:w  
48 LONGITUDINAL/TRANSVERSE CRACKING L 270.00 Ft Comments:u  
56 SWELLING L 100.00 SqFt Comments:

Sample Number: 18 Type: R Area: 5,000.00SqFt PCI = 60  
Sample Comments:  
48 LONGITUDINAL/TRANSVERSE CRACKING M 450.00 Ft Comments:w  
48 LONGITUDINAL/TRANSVERSE CRACKING L 200.00 Ft Comments:u

# Re-inspection Report

GA 2012 FINAL

Report Generated Date: December 04, 2012

Network: MACON-MCN Name: MIDDLE GEORGIA REGIONAL AIRPORT

Branch: R523MGRA Name: RUNWAY 5/23 Use: RUNWAY Area: 1,039,532.00SqFt

Section: 10C of 3 From: APPROACH END 05 To: APPROACH END 23 Last Const.: 11/29/2011

Surface: AAC Family: GAAACRWYCSSOUTH Zone: SAT Category: Rank: P

Area: 324,773.00SqFt Length: 5,180.00Ft Width: 50.00Ft

Shoulder: Street Type: Grade: 0.00 Lanes: 0

Section Comments:

Last Insp. Date: 03/16/2012 Total Samples: 65 Surveyed: 7

Conditions: PCI: 100

Inspection Comments:

Sample Number: 09 Type: R Area: 5,000.00SqFt PCI = 100

Sample Comments:  
<NO DISTRESSES>

Sample Number: 16 Type: R Area: 5,000.00SqFt PCI = 100

Sample Comments:  
<NO DISTRESSES>

Sample Number: 23 Type: R Area: 5,000.00SqFt PCI = 100

Sample Comments:  
<NO DISTRESSES>

Sample Number: 30 Type: R Area: 5,000.00SqFt PCI = 100

Sample Comments:  
<NO DISTRESSES>

Sample Number: 37 Type: R Area: 5,000.00SqFt PCI = 100

Sample Comments:  
<NO DISTRESSES>

Sample Number: 44 Type: R Area: 5,000.00SqFt PCI = 100

Sample Comments:  
<NO DISTRESSES>

Sample Number: 58 Type: R Area: 5,000.00SqFt PCI = 100

Sample Comments:  
<NO DISTRESSES>

# Re-inspection Report

GA 2012 FINAL

Report Generated Date: December 04, 2012

Network: MACON-MCN Name: MIDDLE GEORGIA REGIONAL AIRPORT

Branch: R523MGRA Name: RUNWAY 5/23 Use: RUNWAY Area: 1,039,532.00SqFt

Section: 10N of 3 From: APPROACH END 05 To: APPROACH END 23 Last Const.: 11/29/2011

Surface: AAC Family: GAAACRWYCSSOUTH Zone: SAT Category: Rank: P

Area: 362,803.00SqFt Length: 5,135.00Ft Width: 50.00Ft

Shoulder: Street Type: Grade: 0.00 Lanes: 0

Section Comments:

Last Insp. Date: 03/16/2012 Total Samples: 71 Surveyed: 8

Conditions: PCI: 100

Inspection Comments:

Sample Number: 03 Type: R Area: 5,000.00SqFt PCI = 100

Sample Comments:  
<NO DISTRESSES>

Sample Number: 23 Type: R Area: 5,000.00SqFt PCI = 100

Sample Comments:  
<NO DISTRESSES>

Sample Number: 30 Type: R Area: 5,000.00SqFt PCI = 100

Sample Comments:  
<NO DISTRESSES>

Sample Number: 37 Type: R Area: 5,000.00SqFt PCI = 100

Sample Comments:  
<NO DISTRESSES>

Sample Number: 44 Type: R Area: 5,000.00SqFt PCI = 100

Sample Comments:  
<NO DISTRESSES>

Sample Number: 51 Type: R Area: 5,000.00SqFt PCI = 100

Sample Comments:  
<NO DISTRESSES>

Sample Number: 62 Type: R Area: 5,000.00SqFt PCI = 100

Sample Comments:  
<NO DISTRESSES>

Sample Number: 70 Type: R Area: 5,000.00SqFt PCI = 100

Sample Comments:  
<NO DISTRESSES>

# Re-inspection Report

GA 2012 FINAL

Report Generated Date: December 04, 2012

Network: MACON-MCN Name: MIDDLE GEORGIA REGIONAL AIRPORT

Branch: R523MGRA Name: RUNWAY 5/23 Use: RUNWAY Area: 1,039,532.00SqFt

Section: 10S of 3 From: APPROACH END 05 To: APPROACH END 23 Last Const.: 11/29/2011  
Surface: AAC Family: GAAACRWYCSSOUTH Zone: SAT Category: Rank: P  
Area: 351,956.00SqFt Length: 5,135.00Ft Width: 50.00Ft  
Shoulder: Street Type: Grade: 0.00 Lanes: 0

Section Comments:

Last Insp. Date: 03/16/2012 Total Samples: 70 Surveyed: 7

Conditions: PCI: 100

Inspection Comments:

Sample Number: 03 Type: R Area: 5,000.00SqFt PCI = 100

Sample Comments:  
<NO DISTRESSES>

Sample Number: 22 Type: R Area: 5,000.00SqFt PCI = 100

Sample Comments:  
<NO DISTRESSES>

Sample Number: 29 Type: R Area: 5,000.00SqFt PCI = 100

Sample Comments:  
<NO DISTRESSES>

Sample Number: 36 Type: R Area: 5,000.00SqFt PCI = 100

Sample Comments:  
<NO DISTRESSES>

Sample Number: 43 Type: R Area: 5,000.00SqFt PCI = 100

Sample Comments:  
<NO DISTRESSES>

Sample Number: 50 Type: R Area: 5,000.00SqFt PCI = 100

Sample Comments:  
<NO DISTRESSES>

Sample Number: 64 Type: R Area: 5,000.00SqFt PCI = 100

Sample Comments:  
<NO DISTRESSES>

# Re-inspection Report

GA 2012 FINAL

Report Generated Date: December 04, 2012

Network: MACON-MCN Name: MIDDLE GEORGIA REGIONAL AIRPORT

Branch: TAMGRA Name: TAXIWAY A Use: TAXIWAY Area: 147,730.00SqFt

Section: 10 of 1 From: WEST EDGE OF APRON To: TWC-10 Last Const.: 06/01/1994  
Surface: AAC Family: GAAACTWYCSSOUTH Zone: SAT Category: Rank: P  
Area: 147,730.00SqFt Length: 1,350.00Ft Width: 100.00Ft  
Shoulder: Street Type: Grade: 0.00 Lanes: 0

Section Comments:

Last Insp. Date: 03/16/2012 Total Samples: 27 Surveyed: 6

Conditions: PCI: 45

Inspection Comments:

Sample Number: 05 Type: R Area: 5,000.00SqFt PCI = 52

Sample Comments:

43 BLOCK CRACKING	L	300.00	SqFt	Comments:u
56 SWELLING	L	120.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	M	287.00	Ft	Comments:w
48 LONGITUDINAL/TRANSVERSE CRACKING	L	110.00	Ft	Comments:u
57 WEATHERING	L	5,000.00	SqFt	Comments:

Sample Number: 09 Type: R Area: 5,500.00SqFt PCI = 41

Sample Comments:

43 BLOCK CRACKING	L	600.00	SqFt	Comments:u
56 SWELLING	L	150.00	SqFt	Comments:w
48 LONGITUDINAL/TRANSVERSE CRACKING	L	155.00	Ft	Comments:u
48 LONGITUDINAL/TRANSVERSE CRACKING	M	468.00	Ft	Comments:w
57 WEATHERING	L	2,750.00	SqFt	Comments:
57 WEATHERING	M	2,750.00	SqFt	Comments:

Sample Number: 13 Type: R Area: 5,500.00SqFt PCI = 33

Sample Comments:

57 WEATHERING	L	2,750.00	SqFt	Comments:
57 WEATHERING	M	2,750.00	SqFt	Comments:
43 BLOCK CRACKING	L	750.00	SqFt	Comments:u
43 BLOCK CRACKING	M	650.00	SqFt	Comments:w
48 LONGITUDINAL/TRANSVERSE CRACKING	M	375.00	Ft	Comments:w
48 LONGITUDINAL/TRANSVERSE CRACKING	L	124.00	Ft	Comments:u
56 SWELLING	L	250.00	SqFt	Comments:
45 DEPRESSION	M	200.00	SqFt	Comments:

Sample Number: 17 Type: R Area: 5,500.00SqFt PCI = 41

Sample Comments:

43 BLOCK CRACKING	L	1,000.00	SqFt	Comments:u
43 BLOCK CRACKING	M	1,000.00	SqFt	Comments:w
56 SWELLING	L	400.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	186.00	Ft	Comments:u
48 LONGITUDINAL/TRANSVERSE CRACKING	M	340.00	Ft	Comments:w
57 WEATHERING	L	5,500.00	SqFt	Comments:

Sample Number: 21 Type: R Area: 5,500.00SqFt PCI = 51

Sample Comments:

43 BLOCK CRACKING	L	600.00	SqFt	Comments:u
43 BLOCK CRACKING	M	600.00	SqFt	Comments:w
48 LONGITUDINAL/TRANSVERSE CRACKING	L	235.00	Ft	Comments:u
48 LONGITUDINAL/TRANSVERSE CRACKING	M	104.00	Ft	Comments:w

# Re-inspection Report

GA 2012 FINAL

Report Generated Date: December 04, 2012

---

56	SWELLING	L	475.00	SqFt	Comments:
57	WEATHERING	L	5,500.00	SqFt	Comments:

---

Sample Number: 25                      Type: R                      Area: 5,500.00SqFt                      PCI = 52

Sample Comments:

48	LONGITUDINAL/TRANSVERSE CRACKING	L	246.00	Ft	Comments:u
48	LONGITUDINAL/TRANSVERSE CRACKING	M	324.00	Ft	Comments:w
56	SWELLING	L	120.00	SqFt	Comments:
43	BLOCK CRACKING	L	300.00	SqFt	Comments:u
57	WEATHERING	L	5,500.00	SqFt	Comments:



# Re-inspection Report

GA 2012 FINAL

Report Generated Date: December 04, 2012

Network: MACON-MCN Name: MIDDLE GEORGIA REGIONAL AIRPORT

Branch: TB3MGRA Name: TAXIWAY B3 Use: TAXIWAY Area: 59,402.00SqFt

Section: 10 of 1 From: EDGE OF TWA-10 @ APRON To: R1331 Last Const.: 06/01/1990  
Surface: AAC Family: GAAACTWYCSSOUTH Zone: SAT Category: Rank: P  
Area: 59,402.00SqFt Length: 510.00Ft Width: 100.00Ft  
Shoulder: Street Type: Grade: 0.00 Lanes: 0

Section Comments:

Last Insp. Date: 03/16/2012 Total Samples: 12 Surveyed: 5

Conditions: PCI : 48

Inspection Comments:

Sample Number: 04 Type: R Area: 5,000.00SqFt PCI = 51

Sample Comments:

48	LONGITUDINAL/TRANSVERSE CRACKING	M	420.00	Ft	Comments:w
48	LONGITUDINAL/TRANSVERSE CRACKING	L	198.00	Ft	Comments:u
56	SWELLING	L	120.00	SqFt	Comments:
57	WEATHERING	L	5,000.00	SqFt	Comments:

Sample Number: 06 Type: R Area: 5,000.00SqFt PCI = 40

Sample Comments:

43	BLOCK CRACKING	L	820.00	SqFt	Comments:u
57	WEATHERING	L	5,000.00	SqFt	Comments:
48	LONGITUDINAL/TRANSVERSE CRACKING	M	358.00	Ft	Comments:w
56	SWELLING	L	300.00	SqFt	Comments:u
48	LONGITUDINAL/TRANSVERSE CRACKING	L	1,115.00	Ft	Comments:u

Sample Number: 09 Type: R Area: 5,000.00SqFt PCI = 55

Sample Comments:

48	LONGITUDINAL/TRANSVERSE CRACKING	M	346.00	Ft	Comments:w
56	SWELLING	L	200.00	SqFt	Comments:
48	LONGITUDINAL/TRANSVERSE CRACKING	L	194.00	Ft	Comments:u
57	WEATHERING	L	5,000.00	SqFt	Comments:

Sample Number: 10 Type: R Area: 5,000.00SqFt PCI = 50

Sample Comments:

48	LONGITUDINAL/TRANSVERSE CRACKING	M	461.00	Ft	Comments:w
48	LONGITUDINAL/TRANSVERSE CRACKING	L	112.00	Ft	Comments:u
56	SWELLING	L	270.00	SqFt	Comments:
57	WEATHERING	L	5,000.00	SqFt	Comments:

Sample Number: 11 Type: R Area: 5,000.00SqFt PCI = 47

Sample Comments:

48	LONGITUDINAL/TRANSVERSE CRACKING	M	560.00	Ft	Comments:w
48	LONGITUDINAL/TRANSVERSE CRACKING	L	164.00	Ft	Comments:u
56	SWELLING	L	210.00	SqFt	Comments:
57	WEATHERING	L	5,000.00	SqFt	Comments:

# Re-inspection Report

GA 2012 FINAL

Report Generated Date: December 04, 2012

Network: MACON-MCN Name: MIDDLE GEORGIA REGIONAL AIRPORT

Branch: TBMGRA Name: TAXIWAY B Use: TAXIWAY Area: 565,773.00SqFt

Section: 10 of 2 From: EDGE OF TWA-10 @ APRON To: R1331 Last Const.: 11/29/2011

Surface: AAC Family: GAAACTWYCSSOUTH Zone: SAT Category: Rank: P

Area: 80,825.00SqFt Length: 650.00Ft Width: 75.00Ft

Shoulder: Street Type: Grade: 0.00 Lanes: 0

Section Comments:

Last Insp. Date: 03/16/2012 Total Samples: 20 Surveyed: 5

Conditions: PCI: 100

Inspection Comments:

Sample Number: 06 Type: R Area: 3,750.00SqFt PCI = 100

Sample Comments:  
<NO DISTRESSES>

Sample Number: 08 Type: R Area: 3,750.00SqFt PCI = 100

Sample Comments:  
<NO DISTRESSES>

Sample Number: 10 Type: R Area: 3,750.00SqFt PCI = 100

Sample Comments:  
<NO DISTRESSES>

Sample Number: 12 Type: R Area: 3,750.00SqFt PCI = 100

Sample Comments:  
<NO DISTRESSES>

Sample Number: 13 Type: R Area: 3,750.00SqFt PCI = 100

Sample Comments:  
<NO DISTRESSES>

# Re-inspection Report

GA 2012 FINAL

Report Generated Date: December 04, 2012

Network: MACON-MCN Name: MIDDLE GEORGIA REGIONAL AIRPORT

Branch: TBMGRA Name: TAXIWAY B Use: TAXIWAY Area: 565,773.00SqFt

Section: 20 of 2 From: EDGE OF R1331 To: RUNWAY 5 APPROACH Last Const.: 11/29/2011  
Surface: AAC Family: GAAACTWYCSSOUTH Zone: SAT Category: Rank: P  
Area: 484,948.00SqFt Length: 6,400.00Ft Width: 75.00Ft  
Shoulder: Street Type: Grade: 0.00 Lanes: 0

Section Comments:

Last Insp. Date: 03/16/2012 Total Samples: 88 Surveyed: 9

Conditions: PCI: 100

Inspection Comments:

Sample Number: 09 Type: R Area: 5,625.00SqFt PCI = 100

Sample Comments:  
<NO DISTRESSES>

Sample Number: 15 Type: R Area: 5,625.00SqFt PCI = 100

Sample Comments:  
<NO DISTRESSES>

Sample Number: 24 Type: R Area: 5,625.00SqFt PCI = 100

Sample Comments:  
<NO DISTRESSES>

Sample Number: 30 Type: R Area: 5,625.00SqFt PCI = 100

Sample Comments:  
<NO DISTRESSES>

Sample Number: 39 Type: R Area: 5,625.00SqFt PCI = 100

Sample Comments:  
<NO DISTRESSES>

Sample Number: 48 Type: R Area: 5,625.00SqFt PCI = 100

Sample Comments:  
<NO DISTRESSES>

Sample Number: 57 Type: R Area: 5,625.00SqFt PCI = 100

Sample Comments:  
<NO DISTRESSES>

Sample Number: 70 Type: R Area: 5,625.00SqFt PCI = 100

Sample Comments:  
<NO DISTRESSES>

Sample Number: 79 Type: R Area: 5,625.00SqFt PCI = 100

Sample Comments:  
<NO DISTRESSES>

# Re-inspection Report

GA 2012 FINAL

Report Generated Date: December 04, 2012

Network: MACON-MCN Name: MIDDLE GEORGIA REGIONAL AIRPORT

Branch: TCMGRA Name: TAXIWAY C Use: TAXIWAY Area: 394,188.00SqFt

Section: 10 of 2 From: EDGE OF TWA-10 @ APRON To: INTERSECT W/ R523 @ 23 Last Const.: 06/01/1980  
Surface: AAC Family: GAAACTWYCSSOUTH Zone: SAT Category: Rank: P  
Area: 70,992.00SqFt Length: 900.00Ft Width: 75.00Ft  
Shoulder: Street Type: Grade: 0.00 Lanes: 0

Section Comments:

Last Insp. Date: 03/14/2012 Total Samples: 18 Surveyed: 6

Conditions: PCI: 35

Inspection Comments:

Sample Number: 02 Type: R Area: 3,750.00SqFt PCI = 40

Sample Comments:

43 BLOCK CRACKING	L	2,500.00	SqFt	Comments:u
43 BLOCK CRACKING	M	1,250.00	SqFt	Comments:w
57 WEATHERING	L	3,750.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	40.00	Ft	Comments:u
48 LONGITUDINAL/TRANSVERSE CRACKING	M	55.00	Ft	Comments:w
56 SWELLING	L	300.00	SqFt	Comments:

Sample Number: 05 Type: R Area: 3,750.00SqFt PCI = 28

Sample Comments:

43 BLOCK CRACKING	L	2,500.00	SqFt	Comments:u
43 BLOCK CRACKING	M	1,250.00	SqFt	Comments:w
48 LONGITUDINAL/TRANSVERSE CRACKING	L	25.00	Ft	Comments:u
48 LONGITUDINAL/TRANSVERSE CRACKING	M	15.00	Ft	Comments:w
57 WEATHERING	L	3,750.00	SqFt	Comments:
56 SWELLING	L	200.00	SqFt	Comments:
41 ALLIGATOR CRACKING	L	120.00	SqFt	Comments:

Sample Number: 08 Type: R Area: 3,750.00SqFt PCI = 30

Sample Comments:

43 BLOCK CRACKING	L	3,000.00	SqFt	Comments:u
43 BLOCK CRACKING	M	750.00	SqFt	Comments:w
48 LONGITUDINAL/TRANSVERSE CRACKING	L	55.00	Ft	Comments:u
48 LONGITUDINAL/TRANSVERSE CRACKING	M	20.00	Ft	Comments:w
41 ALLIGATOR CRACKING	L	100.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	H	3.00	Ft	Comments:w
56 SWELLING	L	350.00	SqFt	Comments:
57 WEATHERING	L	3,750.00	SqFt	Comments:

Sample Number: 11 Type: R Area: 3,750.00SqFt PCI = 35

Sample Comments:

43 BLOCK CRACKING	L	2,000.00	SqFt	Comments:u
43 BLOCK CRACKING	M	800.00	SqFt	Comments:w
48 LONGITUDINAL/TRANSVERSE CRACKING	L	52.00	Ft	Comments:u
56 SWELLING	L	360.00	SqFt	Comments:
41 ALLIGATOR CRACKING	L	60.00	SqFt	Comments:
57 WEATHERING	L	3,750.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	M	63.00	Ft	Comments:w

Sample Number: 13 Type: R Area: 3,750.00SqFt PCI = 38

Sample Comments:

43 BLOCK CRACKING	L	2,000.00	SqFt	Comments:u
-------------------	---	----------	------	------------

# Re-inspection Report

GA 2012 FINAL

Report Generated Date: December 04, 2012

---

43	BLOCK CRACKING	M	500.00	SqFt	Comments:w
57	WEATHERING	L	3,750.00	SqFt	Comments:
56	SWELLING	L	350.00	SqFt	Comments:
41	ALLIGATOR CRACKING	L	50.00	SqFt	Comments:
48	LONGITUDINAL/TRANSVERSE CRACKING	M	90.00	Ft	Comments:w
48	LONGITUDINAL/TRANSVERSE CRACKING	L	43.00	Ft	Comments:u

---

Sample Number: 14                      Type: R                      Area: 3,750.00SqFt                      PCI = 39

Sample Comments:

43	BLOCK CRACKING	L	1,500.00	SqFt	Comments:u
43	BLOCK CRACKING	M	500.00	SqFt	Comments:w
56	SWELLING	L	400.00	SqFt	Comments:
41	ALLIGATOR CRACKING	L	100.00	SqFt	Comments:
48	LONGITUDINAL/TRANSVERSE CRACKING	L	56.00	Ft	Comments:u
57	WEATHERING	L	3,750.00	SqFt	Comments:

# Re-inspection Report

GA 2012 FINAL

Report Generated Date: December 04, 2012

Network: MACON-MCN Name: MIDDLE GEORGIA REGIONAL AIRPORT

Branch: TCMGRA Name: TAXIWAY C Use: TAXIWAY Area: 394,188.00SqFt

Section: 20 of 2 From: EDGE OF R523 @ 23 END To: R1331 @ 31 END Last Const.: 06/01/1980  
Surface: AAC Family: GAAACTWYCSSOUTH Zone: SAT Category: Rank: P  
Area: 323,196.00SqFt Length: 4,100.00Ft Width: 75.00Ft  
Shoulder: Street Type: Grade: 0.00 Lanes: 0

Section Comments:

Last Insp. Date: 03/14/2012 Total Samples: 84 Surveyed: 8

Conditions: PCI : 51

Inspection Comments:

Sample Number: 05 Type: R Area: 3,750.00SqFt PCI = 53

Sample Comments:

48	LONGITUDINAL/TRANSVERSE CRACKING	M	250.00	Ft	Comments:w
48	LONGITUDINAL/TRANSVERSE CRACKING	L	245.00	Ft	Comments:u
56	SWELLING	L	150.00	SqFt	Comments:
57	WEATHERING	L	3,730.00	SqFt	Comments:
52	RAVELING	L	20.00	SqFt	Comments:

Sample Number: 12 Type: R Area: 3,750.00SqFt PCI = 46

Sample Comments:

43	BLOCK CRACKING	L	300.00	SqFt	Comments:
48	LONGITUDINAL/TRANSVERSE CRACKING	L	116.00	Ft	Comments:u
48	LONGITUDINAL/TRANSVERSE CRACKING	M	240.00	Ft	Comments:w
50	PATCHING	L	1,050.00	SqFt	Comments:
56	SWELLING	L	130.00	SqFt	Comments:
57	WEATHERING	L	3,750.00	SqFt	Comments:

Sample Number: 20 Type: R Area: 3,750.00SqFt PCI = 52

Sample Comments:

48	LONGITUDINAL/TRANSVERSE CRACKING	L	128.00	Ft	Comments:u
57	WEATHERING	L	3,750.00	SqFt	Comments:
56	SWELLING	L	100.00	SqFt	Comments:
48	LONGITUDINAL/TRANSVERSE CRACKING	M	300.00	Ft	Comments:w

Sample Number: 28 Type: R Area: 3,750.00SqFt PCI = 45

Sample Comments:

48	LONGITUDINAL/TRANSVERSE CRACKING	M	450.00	Ft	Comments:w
48	LONGITUDINAL/TRANSVERSE CRACKING	L	226.00	Ft	Comments:u
57	WEATHERING	L	3,750.00	SqFt	Comments:
56	SWELLING	L	110.00	SqFt	Comments:

Sample Number: 45 Type: R Area: 3,750.00SqFt PCI = 50

Sample Comments:

48	LONGITUDINAL/TRANSVERSE CRACKING	L	214.00	Ft	Comments:u
48	LONGITUDINAL/TRANSVERSE CRACKING	M	350.00	Ft	Comments:w
56	SWELLING	L	100.00	SqFt	Comments:
57	WEATHERING	L	3,750.00	SqFt	Comments:

Sample Number: 53 Type: R Area: 3,750.00SqFt PCI = 50

Sample Comments:

48	LONGITUDINAL/TRANSVERSE CRACKING	M	350.00	Ft	Comments:w
48	LONGITUDINAL/TRANSVERSE CRACKING	L	141.00	Ft	Comments:u
56	SWELLING	L	100.00	SqFt	Comments:

# Re-inspection Report

GA 2012 FINAL

Report Generated Date: December 04, 2012

---

57 WEATHERING	L	3,750.00 SqFt	Comments:
---------------	---	---------------	-----------

---

Sample Number: 61	Type: R	Area: 3,750.00SqFt	PCI = 57
Sample Comments:			
48 LONGITUDINAL/TRANSVERSE CRACKING	M	300.00 Ft	Comments:w
48 LONGITUDINAL/TRANSVERSE CRACKING	L	172.00 Ft	Comments:u
57 WEATHERING	L	3,750.00 SqFt	Comments:

---

Sample Number: 70	Type: R	Area: 3,750.00SqFt	PCI = 59
Sample Comments:			
48 LONGITUDINAL/TRANSVERSE CRACKING	M	275.00 Ft	Comments:w
48 LONGITUDINAL/TRANSVERSE CRACKING	L	144.00 Ft	Comments:u
57 WEATHERING	L	3,750.00 SqFt	Comments:

# Re-inspection Report

GA 2012 FINAL

Report Generated Date: December 04, 2012

Network: MACON-MCN Name: MIDDLE GEORGIA REGIONAL AIRPORT

Branch: TGAMGRA Name: TAXIWAY GA Use: TAXIWAY Area: 79,044.00SqFt

Section: 10 of 1 From: SEE MAP To: SEE MAP Last Const.: 06/01/1999  
Surface: AC Family: GAACTWYCS Zone: U-CH Category: Rank: P  
Area: 79,044.00SqFt Length: 1,230.00Ft Width: 47.00Ft  
Shoulder: Street Type: Grade: 0.00 Lanes: 0

Section Comments:

Last Insp. Date: 03/14/2012 Total Samples: 14 Surveyed: 5

Conditions: PCI: 62

Inspection Comments:

Sample Number: 02 Type: R Area: 6,110.00SqFt PCI = 86

Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING L 162.00 Ft Comments:u  
48 LONGITUDINAL/TRANSVERSE CRACKING M 19.00 Ft Comments:w

Sample Number: 07 Type: R Area: 5,814.00SqFt PCI = 21

Sample Comments:

41 ALLIGATOR CRACKING M 800.00 SqFt Comments:  
45 DEPRESSION L 200.00 SqFt Comments:  
52 RAVELING L 30.00 SqFt Comments:  
57 WEATHERING L 5,784.00 SqFt Comments:  
45 DEPRESSION M 10.00 SqFt Comments:  
50 PATCHING L 200.00 SqFt Comments:  
48 LONGITUDINAL/TRANSVERSE CRACKING L 121.00 Ft Comments:u

Sample Number: 09 Type: R Area: 5,422.00SqFt PCI = 87

Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING L 165.00 Ft Comments:u  
57 WEATHERING L 1,000.00 SqFt Comments:

Sample Number: 11 Type: R Area: 6,516.00SqFt PCI = 58

Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING M 312.00 Ft Comments:w  
48 LONGITUDINAL/TRANSVERSE CRACKING L 11.00 Ft Comments:u  
56 SWELLING L 50.00 SqFt Comments:  
53 RUTTING L 60.00 SqFt Comments:  
42 BLEEDING N 25.00 SqFt Comments:  
57 WEATHERING L 2,500.00 SqFt Comments:

Sample Number: 13 Type: R Area: 5,250.00SqFt PCI = 60

Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING L 455.00 Ft Comments:u  
48 LONGITUDINAL/TRANSVERSE CRACKING M 30.00 Ft Comments:w  
41 ALLIGATOR CRACKING L 20.00 SqFt Comments:  
41 ALLIGATOR CRACKING M 20.00 SqFt Comments:  
57 WEATHERING L 1,300.00 SqFt Comments:



## **APPENDIX D**

# **MAINTENANCE POLICIES AND UNIT COSTS**

Table D-1. Localized Maintenance Policy, Asphalt-Surfaced Pavements.

<b>Distress Type</b>	<b>Severity Level</b>	<b>Maintenance Action</b>
Alligator Cracking	Low	Monitor
	Medium	AC Patching
	High	AC Patching
Bleeding	N/A	Monitor
Block Cracking	Low	Monitor
	Medium	Crack Sealing – AC
	High	Crack Sealing – AC
Corrugation	Low	Monitor
	Medium	AC Patching
	High	AC Patching
Depression	Low	Monitor
	Medium	AC Patching
	High	AC Patching
Jet Blast	N/A	AC Patching
Joint Reflection Cracking	Low	Monitor
	Medium	Crack Sealing – AC
	High	Crack Sealing – AC
Longitudinal and Transverse Cracking	Low	Monitor
	Medium	Crack Sealing – AC
	High	Crack Sealing – AC
Oil/Fuel Damage	N/A	AC Patching
Patching	Low	Monitor
	Medium	Monitor
	High	AC Patching
Polished Aggregate	N/A	Monitor
Raveling	Low	Monitor
	Medium	AC Patching
	High	AC Patching
Rutting	Low	Monitor
	Medium	AC Patching
	High	AC Patching
Shoving	Low	Monitor
	Medium	AC Patching
	High	AC Patching
Slippage Cracking	N/A	AC Patching
Swelling	Low	Monitor
	Medium	AC Patching
	High	AC Patching
Weathering	Low	Monitor
	Medium	Monitor
	High	AC Patching

Table D-2. Localized Maintenance Policy, PCC Pavements.

<b>Distress Type</b>	<b>Severity Level</b>	<b>Maintenance Action</b>
Alkali Silica Reaction (ASR)	Low	Monitor
	Medium	Slab Replacement
	High	Slab Replacement
Blow-Up	Low	Slab Replacement
	Medium	Slab Replacement
	High	Slab Replacement
Corner Break	Low	Crack Sealing – PCC
	Medium	PCC Full Depth Patch
	High	PCC Full Depth Patch
LTD Cracking	Low	Crack Sealing – PCC
	Medium	Crack Sealing – PCC
	High	Crack Sealing – PCC
Durability Cracking	Low	Monitor
	Medium	Slab Replacement
	High	Slab Replacement
Joint Seal Damage	Low	Monitor
	Medium	Joint Sealing – PCC
	High	Joint Sealing – PCC
Patching (Large and Small)	Low	Monitor
	Medium	PCC Full Depth Patch
	High	PCC Full Depth Patch
Popouts	N/A	Monitor
Pumping	N/A	Monitor
Scaling	Low	Monitor
	Medium	Slab Replacement
	High	Slab Replacement
Faulting	Low	Monitor
	Medium	Monitor
	High	PCC Partial Depth Patch
Shattered Slab	Low	Crack Sealing – PCC
	Medium	Slab Replacement
	High	Slab Replacement
Shrinkage	N/A	Monitor
Spalling (Joint and Corner)	Low	Monitor
	Medium	PCC Partial Depth Patch
	High	PCC Partial Depth Patch

Table D-3. 2012 Unit Costs for Localized Maintenance Actions, General Aviation Airports.

Maintenance Action	Unit Cost		
	Metro	North	South
AC Patching	\$3.19/sf	\$3.18/sf	\$3.28/sf
Crack Sealing – AC	\$2.02/lf	\$2.02/lf	\$1.95/lf
Crack Sealing – PCC	\$2.71/lf	\$2.71/lf	\$2.71/lf
Joint Sealing – PCC	\$2.71/lf	\$2.71/lf	\$2.71/lf
PCC Partial Depth Patch	\$12.84/sf	\$12.84/sf	\$12.84/sf
PCC Full Depth Patch	\$43.32/sf	\$43.32/sf	\$43.32/sf
Slab Replacement	\$43.32/sf	\$43.32/sf	\$43.32/sf

Table D-4. 2012 Unit Costs for Localized Maintenance Actions, Air Carrier Airports.

Maintenance Action	Unit Cost
AC Patching	\$3.47/sf
Crack Sealing – AC	\$6.25/lf
Crack Sealing – PCC	\$2.71/lf
Joint Sealing – PCC	\$2.71/lf
PCC Partial Depth Patch	\$12.84/sf
PCC Full Depth Patch	\$43.32/sf
Slab Replacement	\$43.32/sf

Table D-5. 2012 Unit Costs for Global Maintenance Actions, General Aviation Airports.

Maintenance Action	Unit Cost		
	Metro	North	South
Single Surface Treatment	\$0.26/sf	\$0.12/sf	\$0.19/sf
Pavement Rejuvenator	\$0.22/sf	\$0.22/sf	\$0.22/sf

Table D-6. 2012 Unit Costs for Global Maintenance Actions, Air Carrier Airports.

Maintenance Action	Unit Cost
Single Surface Treatment	\$0.43/sf
Pavement Rejuvenator	\$0.22/sf

Table D-7. 2012 Major Rehabilitation Unit Costs Based on PCI Ranges for Asphalt-Surfaced Pavements.

Type of Airport <sup>1</sup>	PCI Range							
	0 – 29	30 – 39	40 – 49	50 – 59	60 – 69	70 – 79	80 – 89	> 89
G.A., Metro	\$6.09/sf	\$6.09/sf	\$6.85/sf	\$1.96/sf	\$1.96/sf	\$1.96/sf	\$1.96/sf	\$1.96/sf
G.A., North	\$5.14/sf	\$5.14/sf	\$5.38/sf	\$1.71/sf	\$1.71/sf	\$1.71/sf	\$1.71/sf	\$1.71/sf
G.A., South	\$5.00/sf	\$5.00/sf	\$5.42/sf	\$1.87/sf	\$1.87/sf	\$1.87/sf	\$1.87/sf	\$1.87/sf
Air Carrier	\$6.52/sf	\$6.52/sf	\$2.62/sf	\$2.62/sf	\$2.62/sf	\$2.62/sf	\$2.62/sf	\$2.62/sf

<sup>1</sup>G.A. = General Aviation

Table D-8. 2012 Major Rehabilitation Unit Costs Based on PCI Ranges for PCC-Surfaced Pavements.

Type of Airport <sup>1</sup>	PCI Range							
	0 – 29	30 – 39	40 – 49	50 – 59	60 – 69	70 – 79	80 – 89	> 89
G.A., Metro	\$9.50/sf	\$9.50/sf	\$1.96/sf	\$1.96/sf	\$1.96/sf	\$1.96/sf	\$1.96/sf	\$1.96/sf
G.A., North	\$9.87/sf	\$9.87/sf	\$1.71/sf	\$1.71/sf	\$1.71/sf	\$1.71/sf	\$1.71/sf	\$1.71/sf
G.A., South	\$9.71/sf	\$9.71/sf	\$1.87/sf	\$1.87/sf	\$1.87/sf	\$1.87/sf	\$1.87/sf	\$1.87/sf
Air Carrier	\$9.68/sf	\$9.68/sf	\$2.62/sf	\$2.62/sf	\$2.62/sf	\$2.62/sf	\$2.62/sf	\$2.62/sf

<sup>1</sup>G.A. = General Aviation

## **APPENDIX E**

### **YEAR 2013 MAINTENANCE PLAN ORGANIZED BY SECTION**

Table E-1. 2013 Maintenance Plan Organized by Section.

<b>Branch<sup>1</sup></b>	<b>Section<sup>1</sup></b>	<b>Distress Type<sup>2</sup></b>	<b>Severity</b>	<b>Maintenance Action</b>	<b>Maintenance Quantity</b>	<b>Maintenance Unit</b>	<b>Unit Cost</b>	<b>Estimated Cost</b>
A01MGRA	40	L&T Cracking	Medium	Crack Sealing - AC	987	Ft	\$6.25	\$6,168

<sup>1</sup>See Figure 5 for the location of the branch and section.

<sup>2</sup>L&T Cracking = longitudinal and transverse cracking.

## **APPENDIX F**

### **YEAR 2013 MAINTENANCE PLAN ORGANIZED BY REPAIR TYPE**



Table F-1. 2013 Maintenance Plan Organized by Repair Type.

<b>Branch<sup>1</sup></b>	<b>Section<sup>1</sup></b>	<b>Distress Type<sup>2</sup></b>	<b>Severity</b>	<b>Maintenance Action</b>	<b>Maintenance Quantity</b>	<b>Maintenance Unit</b>	<b>Unit Cost</b>	<b>Estimated Cost</b>
A01MGRA	40	L&T Cracking	Medium	Crack Sealing - AC	987	Ft	\$6.25	\$6,168

<sup>1</sup>See Figure 5 for the location of the branch and section.

<sup>2</sup>L&T Cracking = longitudinal and transverse cracking.



For more information contact:  
**Georgia Department of Transportation**  
**Aviation Programs**  
600 West Peachtree Street  
Atlanta, Georgia 30308  
Contact phone: 404.631.1990  
Web: [dot.ga.gov/aviation](http://dot.ga.gov/aviation)



Prepared by:

