

Statewide Airfield Pavement Management Program

Airport Pavement Evaluation Report November 2019



**Space Coast Regional
Airport (TIX)**
Commercial Airport
District 5





Florida Department of Transportation

Statewide Airfield Pavement Management Program

Prepared by:

*FDOT Aviation and Spaceports Office
605 Suwannee Street
Tallahassee, Florida 32399-0450*



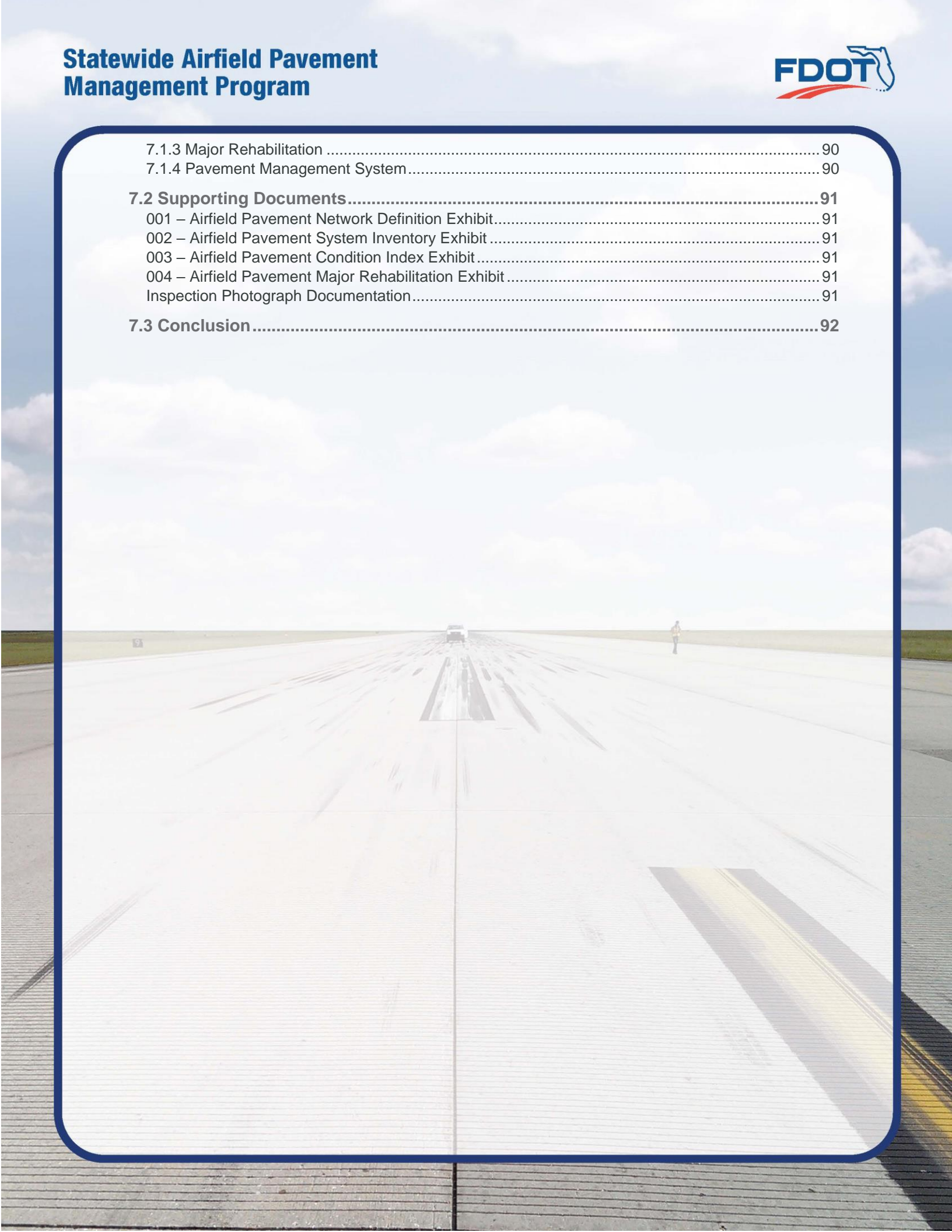
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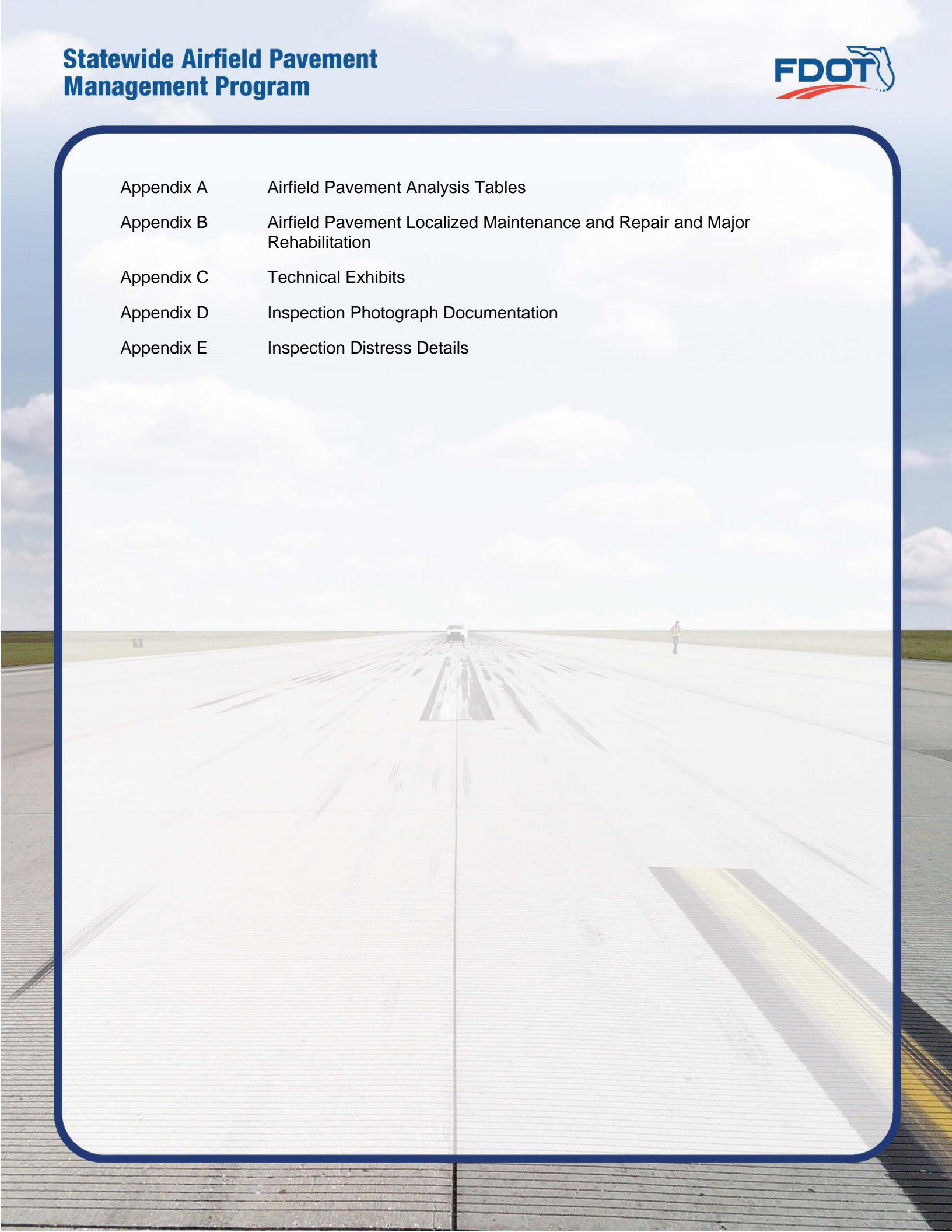
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Executive Summary





Executive Summary

Program Background

Airport airfield pavement infrastructure facilities represent a large capital investment in the Florida Airport System. Timely and appropriate maintenance and strategic rehabilitation are essential as repair costs increase significantly in proportion to deterioration. Airport pavement distresses can also contribute to the development of loose debris and decreased ride quality, which can be a safety concern for aircraft operations.

In 2016, the Florida Department of Transportation (FDOT) Aviation and Spaceports Office (ASO) selected Kimley-Horn and Associates, Inc. with subconsultants Airfield Pavement Management Systems, LLC and AVCON, Inc. to provide professional services in support of FDOT in the continued efforts of performing a system update to the Statewide Airfield Pavement Management Program (SAPMP). This work is to be completed from fiscal year 2016 through fiscal year 2019. The SAPMP has 95 public use airport facilities throughout the seven FDOT Districts that participate in the system update. The results of this system update for this specific airport are presented in this report and can be utilized by FDOT and the Federal Aviation Administration (FAA) to identify, prioritize, and schedule pavement maintenance, repair, and major rehabilitation projects.

Pavement condition was assessed utilizing the pavement condition index (PCI) methodology as defined in the FAA Advisory Circular **150/5380-7B “Airport Pavement Management Program (PMP)”** using the documented procedures set forth by ASTM **D5340-12 “Standard Test Method for Airport Pavement Condition Index Surveys.”**

Pavement deterioration, in accordance with the ASTM D5340-12, was characterized in terms of distinct distress types, severity level of distress, and quantity of distress. This information is utilized to calculate a PCI numeric that represents the overall condition of the pavement in a numeric index that ranges from 0 (a condition category of FAILED) to 100 (GOOD). The PCI methodology analyzes an overall measure of the pavement condition and provides an indication of the degree of maintenance, repair, or rehabilitation efforts that will be required to sustain functional pavement.

The tasks required for the system update at each participating airport consist of the following:

- Obtain recent and anticipated airfield pavement construction work data.
- Update airport airfield pavement system inventory records (construction history, identification, geometry, and facility classification).
- Perform PCI Survey Inspections at each participating airport.
- Update the FDOT SAPMP PAVER™ database system.
- Update the FDOT SAPMP GIS Airfield Navigation GPS enabled Maps.
- Update airfield pavement performance models and pavement condition forecasting.
- Identification of planning-level maintenance, repair, and major rehabilitation to address pavement needs based on functional PCI analysis.
- Development of planning-level opinion of probable construction costs for pavement rehabilitation.



Summary of Results

Pavement Condition Index (Latest Inspection)

Table E-1 Pavement Condition Index Summary (Last Inspection) – Section Level

Network ID	Branch Name	Branch Use	Section ID	Area (SF)	PCI	Condition Rating
TIX	RUNWAY 18-36	RUNWAY	6105	500,000	62	Fair
TIX	RUNWAY 18-36	RUNWAY	6110	250,000	57	Fair
TIX	RUNWAY 18-36	RUNWAY	6125	100,000	62	Fair
TIX	RUNWAY 18-36	RUNWAY	6130	50,000	60	Fair
TIX	RUNWAY 18-36	RUNWAY	6145	131,900	65	Fair
TIX	RUNWAY 18-36	RUNWAY	6150	65,950	64	Fair
TIX	RUNWAY 9-27	RUNWAY	6205	169,743	63	Fair
TIX	RUNWAY 9-27	RUNWAY	6210	320,000	53	Poor
TIX	TAXIWAY A	TAXIWAY	105	114,651	68	Fair
TIX	TAXIWAY A	TAXIWAY	110	70,000	66	Fair
TIX	TAXIWAY A	TAXIWAY	112	30,000	67	Fair
TIX	TAXIWAY A	TAXIWAY	115	50,000	67	Fair
TIX	TAXIWAY A	TAXIWAY	120	90,638	65	Fair
TIX	TAXIWAY A2	TAXIWAY	125	35,137	65	Fair
TIX	TAXIWAY B	TAXIWAY	205	22,146	57	Fair
TIX	TAXIWAY B	TAXIWAY	210	234,359	89	Good
TIX	TAXIWAY C	TAXIWAY	305	46,879	68	Fair
TIX	TAXIWAY C	TAXIWAY	310	116,660	63	Fair
TIX	TAXIWAY C	TAXIWAY	315	32,856	88	Good
TIX	TAXIWAY D	TAXIWAY	404	26,461	65	Fair
TIX	TAXIWAY D	TAXIWAY	408	7,500	65	Fair
TIX	TAXIWAY D	TAXIWAY	410	73,750	75	Satisfactory
TIX	TAXIWAY E	TAXIWAY	505	32,371	72	Satisfactory
TIX	TAXIWAY E	TAXIWAY	515	113,522	70	Fair
TIX	TAXIWAY E	TAXIWAY	525	8,165	94	Good
TIX	TAXIWAY F	TAXIWAY	605	30,388	14	Serious
TIX	EAST APRON	APRON	4205	101,014	62	Fair
TIX	EAST APRON	APRON	4211	3,845	67	Fair
TIX	EAST APRON	APRON	4214	52,187	56	Fair
TIX	EAST APRON	APRON	4215	82,925	45	Poor
TIX	EAST APRON	APRON	4216	48,836	82	Satisfactory
TIX	EAST APRON	APRON	4218	95,344	80	Satisfactory
TIX	EAST APRON	APRON	4219	8,237	56	Fair
TIX	EAST APRON	APRON	4220	8,168	83	Satisfactory



Network ID	Branch Name	Branch Use	Section ID	Area (SF)	PCI	Condition Rating
TIX	EAST APRON	APRON	4221	5,405	71	Satisfactory
TIX	EAST APRON	APRON	4225	8,700	69	Fair
TIX	EAST APRON	APRON	4226	6,677	72	Satisfactory
TIX	EAST APRON	APRON	4227	6,560	89	Good
TIX	EAST APRON	APRON	4228	11,100	89	Good
TIX	EAST APRON	APRON	4229	16,315	88	Good
TIX	EAST APRON	APRON	4230	9,576	77	Satisfactory
TIX	EAST APRON	APRON	4232	9,960	79	Satisfactory
TIX	EAST APRON	APRON	4235	93,090	99	Good
TIX	EAST APRON	APRON	4240	7,020	91	Good
TIX	EAST APRON	APRON	4241	8,553	91	Good
TIX	EAST APRON	APRON	4245	7,200	71	Satisfactory
TIX	EAST APRON	APRON	4250	38,220	95	Good
TIX	HELICOPTER APRON	APRON	4255	32,798	90	Good
TIX	HELICOPTER APRON	APRON	4260	364,740	97	Good
TIX	WEST APRON	APRON	4305	370,471	99	Good
TIX	WEST APRON	APRON	4310	30,464	72	Satisfactory



Forecasted Pavement Condition Index 2020-2029

Table E-2 Pavement Condition Index Forecast 2020-2029

Network ID	Branch ID	Section ID	Last PCI	Forecasted PCI									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
TIX	AP E	4205	62	61	60	60	60	60	60	60	60	59	58
TIX	AP E	4211	67	65	63	62	61	61	60	60	60	60	60
TIX	AP E	4214	56	54	51	48	44	40	36	32	28	26	25
TIX	AP E	4215	45	43	42	40	38	37	35	34	32	31	29
TIX	AP E	4216	82	79	76	74	71	69	67	65	63	62	61
TIX	AP E	4218	80	77	75	72	70	67	65	64	63	62	61
TIX	AP E	4219	56	54	51	48	44	40	36	32	28	26	25
TIX	AP E	4220	83	80	77	75	72	70	68	66	64	63	62
TIX	AP E	4221	71	69	68	66	64	63	61	60	58	57	55
TIX	AP E	4225	69	67	66	64	62	61	59	57	55	53	52
TIX	AP E	4226	72	70	67	65	64	63	62	61	60	60	60
TIX	AP E	4227	89	86	83	80	78	75	72	70	68	66	64
TIX	AP E	4228	89	86	83	80	78	75	72	70	68	66	64
TIX	AP E	4229	88	86	85	83	81	80	78	77	75	74	72
TIX	AP E	4230	77	76	74	73	72	70	69	68	66	64	63
TIX	AP E	4232	79	76	74	71	69	67	65	63	62	61	61
TIX	AP E	4235	99	97	95	93	92	90	89	88	87	86	86
TIX	AP E	4240	91	88	85	82	80	77	74	72	69	67	65
TIX	AP E	4241	91	88	85	82	80	77	74	72	69	67	65
TIX	AP E	4245	71	69	68	66	64	63	61	60	58	57	55
TIX	AP E	4250	95	93	92	90	89	88	87	86	86	85	84
TIX	AP HELI	4255	90	88	87	85	83	82	80	79	77	76	74
TIX	AP HELI	4260	97	95	93	92	90	89	88	87	87	86	85
TIX	AP W	4305	99	97	95	93	92	90	89	88	87	86	86
TIX	AP W	4310	72	70	67	65	64	63	62	61	60	60	60
TIX	RW 18-36	6105	62	59	57	56	55	54	54	54	53	52	51
TIX	RW 18-36	6110	57	55	54	54	54	54	52	52	51	51	50
TIX	RW 18-36	6125	62	59	57	56	55	54	54	54	53	52	51
TIX	RW 18-36	6130	60	58	56	55	54	54	54	53	52	52	51
TIX	RW 18-36	6145	65	62	60	57	56	55	54	54	54	53	52
TIX	RW 18-36	6150	64	61	59	57	55	54	54	54	54	52	52
TIX	RW 9-27	6205	63	60	58	56	55	54	54	54	53	52	51
TIX	RW 9-27	6210	53	52	51	51	50	50	49	48	48	47	47
TIX	TW A	105	68	66	65	63	62	61	60	59	58	57	57
TIX	TW A	110	66	64	63	62	61	60	59	58	57	56	56



Network ID	Branch ID	Section ID	Last PCI	Forecasted PCI									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
TIX	TW A	112	67	65	64	63	61	60	59	58	58	57	56
TIX	TW A	115	67	65	64	63	61	60	59	58	58	57	56
TIX	TW A	120	65	63	62	61	60	59	58	57	57	56	55
TIX	TW A2	125	65	63	62	61	60	59	58	57	57	56	55
TIX	TW B	205	57	56	55	55	54	53	53	52	52	51	51
TIX	TW B	210	89	86	84	82	79	77	75	73	71	69	68
TIX	TW C	305	68	66	65	63	62	61	60	59	58	57	57
TIX	TW C	310	63	62	60	59	58	58	57	56	55	55	54
TIX	TW C	315	88	85	83	81	78	76	74	72	71	69	67
TIX	TW D	404	65	63	62	61	60	59	58	57	57	56	55
TIX	TW D	408	65	63	62	61	60	59	58	57	57	56	55
TIX	TW D	410	75	73	71	69	68	66	65	63	62	61	60
TIX	TW E	505	72	70	68	67	65	64	63	61	60	59	58
TIX	TW E	515	70	68	67	65	64	62	61	60	59	58	57
TIX	TW E	525	94	92	90	88	86	84	83	81	80	78	77
TIX	TW F	605	14	10	4	0	0	0	0	0	0	0	0

Major Rehabilitation Planning 2020-2029

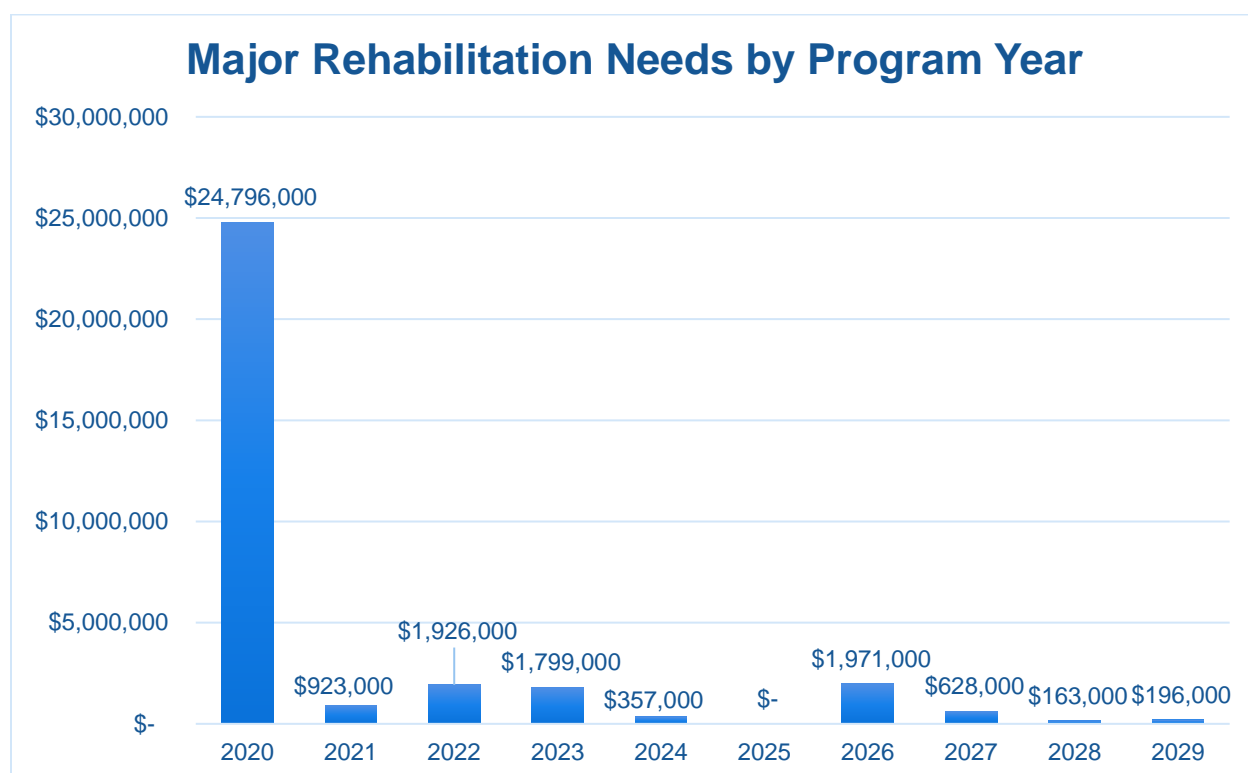
Table E-3 Major Rehabilitation Planning 2020-2029

Program Year	Network ID	Branch ID	Section ID	Surface	Area (SF)	PCI Before	Rehabilitation Type	Planning Cost
2020	TIX	AP E	4205	AAC	101,014	61	AC Restoration	\$ 1,112,000.00
2020	TIX	AP E	4214	APC	52,187	54	AC Restoration	\$ 575,000.00
2020	TIX	AP E	4215	AC	82,925	43	AC Restoration	\$ 1,070,000.00
2020	TIX	AP E	4219	AAC	8,237	54	AC Restoration	\$ 91,000.00
2020	TIX	RW 18-36	6105	AAC	500,000	59	AC Restoration	\$ 5,500,000.00
2020	TIX	RW 18-36	6110	AAC	250,000	55	AC Restoration	\$ 2,750,000.00
2020	TIX	RW 18-36	6125	AAC	100,000	59	AC Restoration	\$ 1,100,000.00
2020	TIX	RW 18-36	6130	AAC	50,000	58	AC Restoration	\$ 550,000.00
2020	TIX	RW 18-36	6145	AAC	131,900	62	AC Restoration	\$ 1,451,000.00
2020	TIX	RW 18-36	6150	AAC	65,950	61	AC Restoration	\$ 726,000.00
2020	TIX	RW 9-27	6205	AAC	169,743	60	AC Restoration	\$ 1,868,000.00
2020	TIX	RW 9-27	6210	AAC	320,000	52	AC Restoration	\$ 3,520,000.00
2020	TIX	TW A	110	AAC	70,000	64	AC Restoration	\$ 770,000.00
2020	TIX	TW A	120	AAC	90,638	63	AC Restoration	\$ 997,000.00
2020	TIX	TW A2	125	AAC	35,137	63	AC Restoration	\$ 387,000.00
2020	TIX	TW B	205	AAC	22,146	56	AC Restoration	\$ 244,000.00



Program Year	Network ID	Branch ID	Section ID	Surface	Area (SF)	PCI Before	Rehabilitation Type	Planning Cost
2020	TIX	TW C	310	AAC	116,660	62	AC Restoration	\$ 1,284,000.00
2020	TIX	TW D	404	AAC	26,461	63	AC Restoration	\$ 292,000.00
2020	TIX	TW D	408	AAC	7,500	63	AC Restoration	\$ 83,000.00
2020	TIX	TW F	605	AAC	30,388	10	AC Reconstruction	\$ 426,000.00
2021	TIX	AP E	4211	AAC	3,845	63	AC Restoration	\$ 43,000.00
2021	TIX	TW A	112	AAC	30,000	64	AC Restoration	\$ 330,000.00
2021	TIX	TW A	115	AAC	50,000	64	AC Restoration	\$ 550,000.00
2022	TIX	AP E	4225	PCC	8,700	64	PCC Restoration	\$ 148,000.00
2022	TIX	TW A	105	AAC	114,651	63	AC Restoration	\$ 1,262,000.00
2022	TIX	TW C	305	AAC	46,879	63	AC Restoration	\$ 516,000.00
2023	TIX	AP E	4221	AC	5,405	64	AC Restoration	\$ 60,000.00
2023	TIX	AP E	4226	AAC	6,677	64	AC Restoration	\$ 74,000.00
2023	TIX	AP E	4245	AC	7,200	64	AC Restoration	\$ 80,000.00
2023	TIX	AP W	4310	AAC	30,464	64	AC Restoration	\$ 336,000.00
2023	TIX	TW E	515	AAC	113,522	64	AC Restoration	\$ 1,249,000.00
2024	TIX	TW E	505	AAC	32,371	64	AC Restoration	\$ 357,000.00
2026	TIX	AP E	4218	AAC	95,344	64	AC Restoration	\$ 1,049,000.00
2026	TIX	AP E	4232	AAC	9,960	63	AC Restoration	\$ 110,000.00
2026	TIX	TW D	410	AAC	73,750	63	AC Restoration	\$ 812,000.00
2027	TIX	AP E	4216	AAC	48,836	63	AC Restoration	\$ 538,000.00
2027	TIX	AP E	4220	AAC	8,168	64	AC Restoration	\$ 90,000.00
2028	TIX	AP E	4230	PCC	9,576	64	PCC Restoration	\$ 163,000.00
2029	TIX	AP E	4227	AAC	6,560	64	AC Restoration	\$ 73,000.00
2029	TIX	AP E	4228	AAC	11,100	64	AC Restoration	\$ 123,000.00

**All planning cost values have been rounded to the nearest thousand-dollar.*

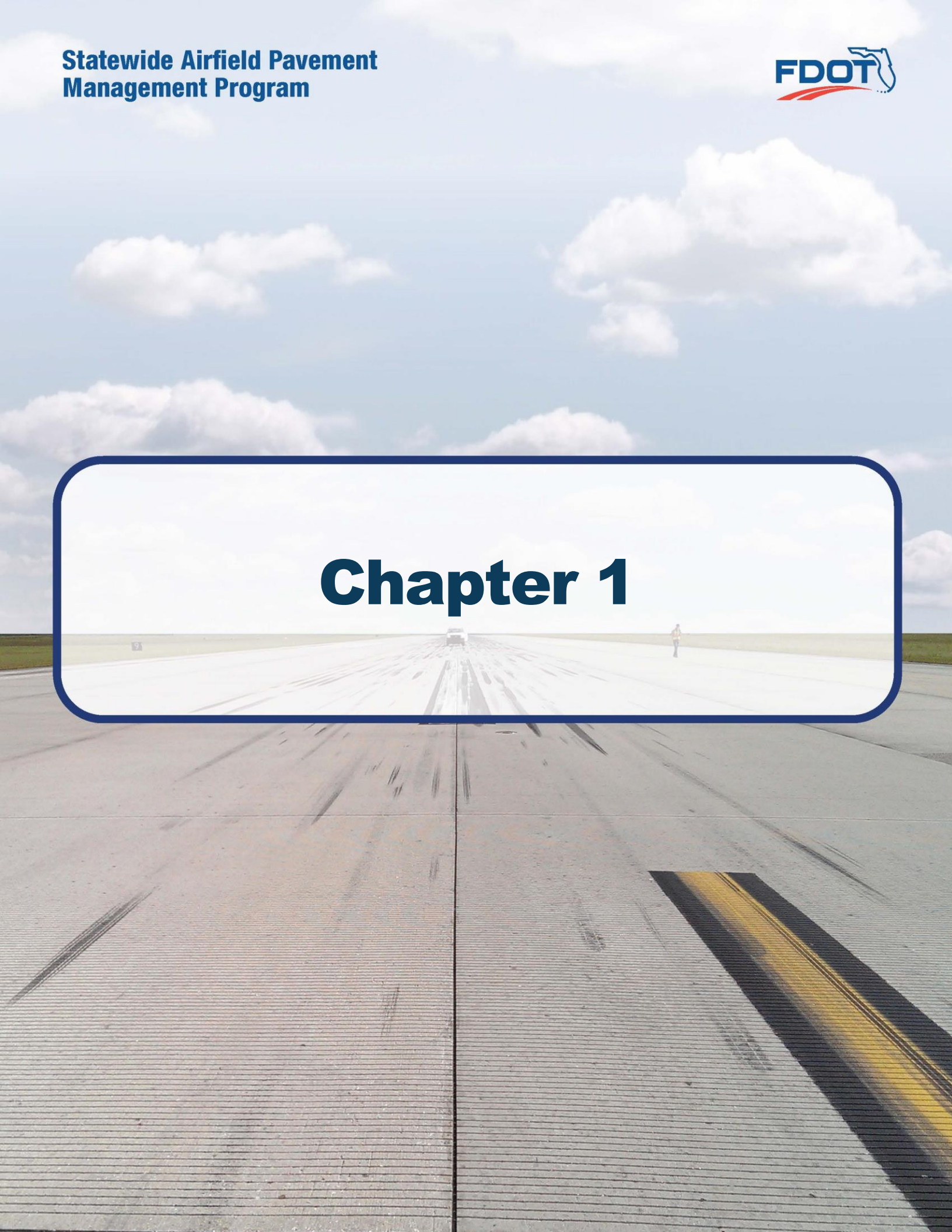
*Figure E-4 Major Rehabilitation Planning Annual Budget 2020-2029*

Summary of Space Coast Regional Airport

Space Coast Regional Airport was inspected in March of 2019 – the overall weighted PCI value was 72, a condition rating of Satisfactory. The results of the maintenance, repair, and major rehabilitation analysis identified \$1,503,090 in localized M&R needs based on current conditions and a 10-Year major rehabilitation need of \$32,759,000 based on forecasted conditions. The current major rehabilitation needs based on the latest inspection consist of \$24,796,000 for pavements below critical condition.

Localized maintenance and repair identified within this report are categorized as preventive or stopgap; the FDOT SAPMP has defined maintenance policies based on FAA recommendations. Major rehabilitation is identified within the FDOT SAPMP as major construction activity that would result in an improvement or resetting of the pavement section's PCI to a value of 100. Such activities could include: mill and hot-mix asphalt overlay, rigid pavement repair and slab replacement, and full-depth reconstruction. It is recommended that the airport use this as a planning tool for future project development and prioritization – all localized maintenance and repair and major rehabilitation recommendations should be considered as planning-level only. All final localized maintenance, repair, and major rehabilitation is subject to change based on airport prioritization and further design-level evaluation.

Chapter 1





Chapter 1 – Introduction

1.1 Background

The State of Florida has 128 public airports of which 100 public-use airports are recognized as part of the Federal Aviation Administration's (FAA) National Plan of Integrated Airport Systems (NPIAS) that are vital to the Florida economy as well as the economy of the United States. The Florida Aviation System (FAS) provides opportunities for the State to capitalize on an increasingly global marketplace. Florida's system of commercial service and general aviation (GA) airports are important to businesses throughout the entire State. Air travel is essential to tourism, Florida's number one industry.

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

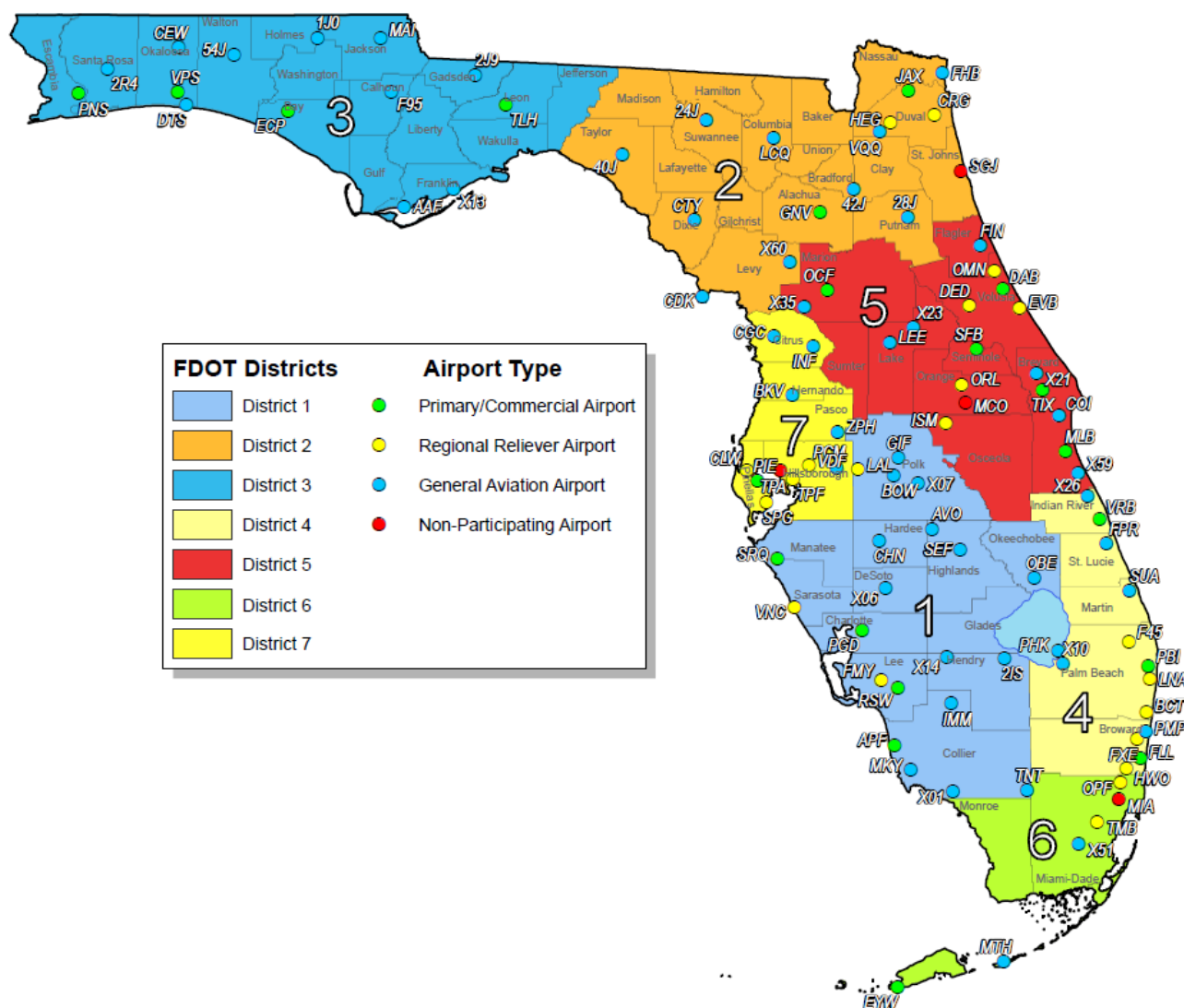
In general, adherence to the FAA Advisory Circulars are mandatory for all projects funded with federal grant monies through the Airport Improvement Program (AIP) and with revenue from the Passenger Facilities Charges (PFC) Program. Further information is detailed in FAA Grant Assurance No. 11 "Pavement Maintenance," No. 34 "Policies, Standards, and Specifications," and PFC Assurance No. 9 "Standards and Specifications." The Florida Department of Transportation (FDOT) performs the Statewide Airfield Pavement Management Program (SAPMP) System Updates for the benefit of participating public-use and publicly owned airports through the Aviation and Spaceports Office (ASO).

The SAPMP addresses the requirements of maintaining an effective pavement management program for the participating airports at the network level. Network-level management of pavement assets provides insight for short-term and long-term budget needs, understanding of the overall condition of the network (current and future), and pavement facilities that are subject for project consideration. A network-level evaluation can be supportive in the identification of maintenance, repair, and major rehabilitation needs and budgetary planning-level opinions of probable construction costs.

1.2 Statewide Airfield Pavement Management Program (SAPMP) Update 2018-2019

In 1992, the FDOT established the Statewide Airfield Pavement Management Program (SAPMP) to provide program managers, District Aviation and Spaceport Offices, and airport operators a system to proactively manage airport airfield pavement infrastructure within the Florida Aviation System. The SAPMP performs network-level Pavement Condition Index (PCI) survey inspections for airport facilities that are categorized as General Aviation (GA), Reliever (RL), and Commercial (PR). Currently, the program consists of 95 actively participating public-use airports with pavement facilities and provides users with comprehensive data to better manage pavement assets.

Figure 1.2 Florida Aviation System (Facilities with Pavement) and FDOT Districts



In 2016, the Florida Department of Transportation Aviation and Spaceports Office contracted Kimley-Horn and Associates, Inc. along with subconsultants Airfield Pavement Management Systems, LLC and AVCON, Inc. to provide professional services in support of FDOT in the continued efforts of performing a system update to the SAPMP. This work is to be completed from fiscal year 2016 through fiscal year 2019.



1.3 Organization

1.3.1 Florida Department of Transportation Aviation and Spaceports Office Program Manager

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

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

1.3.2 Participating Florida Public-Use and Publicly Owned Airports

The airports are the end-user and beneficiary of the SAPMP. The SAPMP provides a specific Airport Pavement Evaluation Report that meets the requirements of the FAA Advisory Circular **150/5380-7B "Airport Pavement Management Program (PMP)."** Individual participating airports will be provided a final Airport Pavement Evaluation Report by the designated Consultant that is specific to each airport's airfield pavement condition index survey. The ASO-PM has full authority and final approval of each report prior to finalization. In advance of each PCI survey and prior to completion of each Airport Pavement Evaluation Report, participating airports are asked to provide the necessary record documentation for the proper analysis efforts. Relevant record documentation artifacts may consist of but are not limited to: Airport Layout Plans (ALP), Construction Bid Tabulations, As-Built Construction Drawings, Engineer's Reports, and/or field pavement inspection reports.

1.3.3 Florida Department of Transportation District Offices

The seven (7) FDOT District Offices, specifically the Aviation representatives (currently the Freight and Logistics personnel), provide essential support to the SAPMP update and the ASO-PM. Each District supports the SAPMP's on-going efforts by providing local construction cost information throughout the State. The construction cost information, typically consisting of plans and bid tabulations, are used as the basis of the development maintenance, repair, and major rehabilitation opinions of probable construction costs for planning purposes. Each District Office receives copies of individual Airport Pavement Evaluation Reports for the participating airport facilities located within their respective Districts.

1.3.4 Consultant

The Consultant, Kimley-Horn and Associates, Inc., provides technical and administrative support to the ASO-PM for the SAPMP update. The support consists of airfield pavement system inventory updates, performance of PCI Surveys in accordance with ASTM **D5340-12 "Standard Test Method for Airport Pavement Condition Index Surveys,"** evaluation and reporting of the pavement condition in accordance with the FAA Advisory Circular **150/5380-7B "Airport Pavement Management Program (PMP)."**

The Consultant Team consists of Kimley-Horn, Airfield Pavement Management Systems, LLC., and AVCON, Inc.



A brief description of the general scope of work undertaken to update the SAPMP includes but is not limited to:

- ▶ **Research and evaluation of existing record documentation** was performed to identify construction projects that have taken place since the most recent major update of the SAPMP. This data is used to update the pavement inventory and network definition.
- ▶ **An update to the existing Network Definition Map** was made to reflect geometric changes, pavement composition updates, and section characterization. Furthermore, an update to the PCI Survey sample units were made to reflect the field investigation efforts.
- ▶ **A functional pavement evaluation with PCI Survey inspections** was completed on all airfield pavements maintained by the Airport. The PCI Survey procedure, as defined by ASTM D5340-12, was used as the basis of the functional pavement evaluation. For this specific evaluation, the sample units defined by prior studies were inspected as to better develop performance models for prediction curves. Pavement subject to construction or anticipated construction during scheduled PCI Survey inspection or within 2 years were omitted from inspection based on confirmation of airport personnel.
- ▶ **Condition Analysis** was performed based on the distress data observed, rated, measured, and recorded in accordance with the ASTM D5340-12 for the calculation of PCI values and ratings. The results of the current condition analysis were used in concert with the historic PCI Survey data and construction work history to develop performance models to forecast future PCI values for each section for a 10-year study duration.
- ▶ **Maintenance, Repair, and Rehabilitation Planning** was performed predicated on the results of the condition analysis with updated policies and planning-level unit costs. The policies, or M&R policies, have been updated to reflect standard practices for maintenance, repair, and major rehabilitation as defined by the FAA **AC 150/5380-6C “Guidelines and Procedures for Maintenance of Airport Pavements.”** Planning-level unit costs were developed based on representative construction bid tabulations provided by participating airports. The bid tabulations consisted of limited airfield pavement construction projects that took place between 2009 and 2015 at participating airports.



1.4 Purpose of Airport Pavement Evaluation Report

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

The purpose of this Airfield Pavement Evaluation Report is to achieve the following:

- Describe the goals, procedures, and purpose of the SAPMP
- Provide a brief technical explanation of the pavement management methodology, standard practices, and objectives
- Analyze pavement distresses data for the determination of pavement conditions and for identification of airfield pavement maintenance, repair, and major rehabilitation needs based on functional PCI trends

The identification of rehabilitation needs has been determined at the planning level. Design-level investigation is recommended prior to developing construction-level design documents and budgets.

In compliance with FAA Grant Assurances 11 and 19; the FDOT SAPMP provides airports with airfield pavement evaluation reports in accordance with FAA **AC 150/5380-7B Airport Pavement Management Program (PMP)** and **AC 150/5380-6C Guidelines and Procedures for Maintenance of Airport Pavements**. The application of the results of a PCI survey are for planning purposes and are limited to the visual observation of deteriorated pavements in limited sampling; design-level investigation is recommended in accordance with the FAA procedures defined in **AC 5320-6F Airport Pavement Design and Evaluation** and **AC 150/5370-11B Use of Nondestructive Testing in the Evaluation of Airport Pavements**. The aforementioned ACs provide the design-level material properties of in-situ pavement and subgrade layers for the determination of appropriate rehabilitation actions. The FDOT Statewide Airfield Pavement Management Program is organized to provide airports with planning-level data and does not intend to preclude the responsible engineer in performing the appropriate level of investigation and analysis in determining the appropriate design details of a pavement rehabilitation. It would not be advisable to solely base design-level rehabilitation without the appropriate level of investigation and determination of pavement deterioration beyond that of a visual functional condition assessment.

1.5 History of the Program

In 1992, the FDOT implemented the SAPMP to understand the pavement conditions at public airports in the FAS, systematically update pavement infrastructure information, and assist airport operators with recommendations of pavement maintenance, repair, and major rehabilitation needs. The 1992 SAPMP implementation provided the FDOT and the participating airports valuable information for establishing and performing timely and appropriate pavement rehabilitation.



During the 1992-1993 implementation and again during the 1998-1999 updates; the SAPMP performed the development with proprietary software for pavement management system analysis. This development allowed for the creation of pavement management database file system populated with airport attributes and condition data. The pavement management database was used to establish maintenance, repair, and rehabilitation policies; consider planning-level unit costs; and develop recommendations for performing pavement maintenance. This system, known as AIRPAV, was initially developed during the 1992-1993 SAPMP implementation for the analysis of distress data. The AIRPAV system was used again in the 1998-1999 SAPMP update.

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

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

In the 2010-2012 system update, the SAPMP was updated using new global positioning system (GPS) integrated technology to digitally collect pavement distress data. Interactive geographic information system (GIS) map files were developed from updated Airfield Pavement Network Definition Exhibits to aid pavement condition inspectors in the collection of sample distress data. The data collected was utilized to develop pavement performance models to predict future pavement PCI values and make recommendations for major rehabilitation.

In the 2013-2015 system update, the SAPMP integrated PAVER™ and FieldInspector™ with the use of GPS and GIS capable field tablets. Furthermore, the update included continued adherence to the ASTM **D5340-12 "Standard Test Method for Airport Pavement Condition Index Surveys."** The ASTM update consisted of refinement of distress definition types and deduction values for select asphalt concrete and Portland Cement Concrete distresses.



1.6 Federal Aviation Administration (FAA)

Currently, airports participating in the Airport Improvement Program (AIP) Grant Program are required by the FAA to develop and implement a pavement maintenance program to be eligible for funding (FAA Advisory Circular **150/5380-6C “Guidelines and Procedures for Maintenance of Airport Pavements”** and **150/5380-7B “Airport Pavement Management Program (PMP)”**). This program requires detailed inspection of airfield pavement conditions by trained personnel. The inspections are required to be performed at least once a year using the PASER method or every three years if the pavement is inspected as defined by the PCI survey procedure in accordance with the ASTM **D5340-12 “Standard Test Method for Airport Pavement Condition Index Surveys.”**

In general, adherence to the Advisory Circulars are mandatory for all projects funded with federal grant monies through the AIP program and with revenue from the Passenger Facilities Charges (PFC) Program. Further information is detailed in FAA Grant Assurance No. 11 “Pavement Maintenance,” No. 34 “Policies, Standards, and Specifications,” and PFC Assurance No. 9 “Standards and Specifications.”

1.7 FDOT SAPMP Objectives and Components

The FDOT SAPMP is a program that provides the FAS support in implementing and/or maintaining a network-level Pavement Management Program in a consistent and regularly scheduled manner.

In accordance with FAA AC **150/5380-7B “Airport Pavement Management Program (PMP)”** an effective Pavement Management Program consists of a system that achieves specific objectives. The FDOT SAPMP objectives are as follows:

1.7.1 Program Objectives

- 1 A systematic means for collecting and storing information regarding existing pavement structure and condition.
- 2 An objective and repeatable system for evaluating pavement condition.
- 3 Procedures for predicting future pavement condition.
- 4 Procedures for modeling both past and future pavement performance conditions.
- 5 Procedures to determine the budget requirements to meet management objectives, such as the maintenance, repair, and major rehabilitation budget required to keep a pavement at a specified PCI level or the budget required to improve to target PCI level.
- 6 Procedures for formulating and prioritizing maintenance, repair, and major rehabilitation projects.

The objectives are accomplished by the following components:

1.7.2 Program Components

- A. Database
- B. Pavement Inventory
- C. Pavement Structure
- D. Pavement Work History
- E. Pavement Condition Data

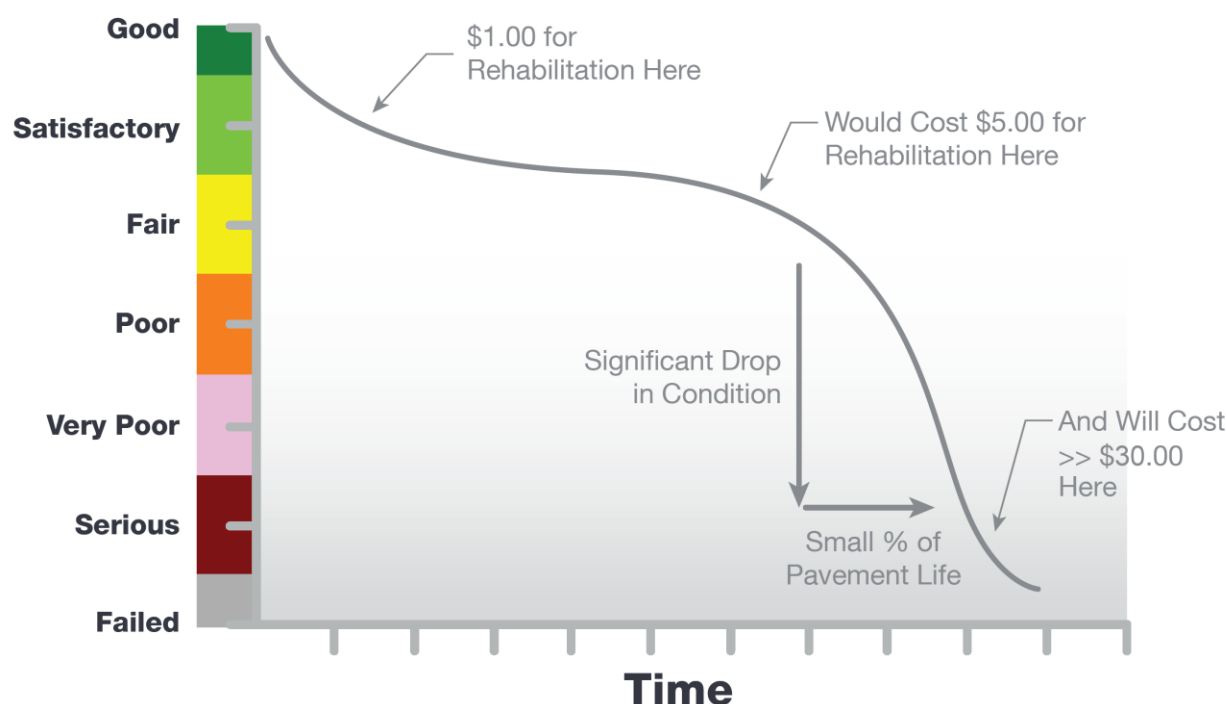


F. Pavement Performance Modeling for the Prediction/Forecast of PCI

G. Maintenance, Repair, and Major Rehabilitation Policies and Budget Simulation

A well-maintained network-level pavement management program may provide airport staff a better understanding of the airfield pavement performance for developing and planning for specific maintenance, repair, and major rehabilitation projects. The understanding of specific distress types and severities will assist the airport in addressing pavement maintenance and repair with the appropriate treatments as defined by the FAA Advisory Circular **150/5380-6C “Guidelines and Procedures for Maintenance of Airport Pavements.”** The development of projects with an understanding of system inventory, deterioration details, and pavement condition forecasts may assist airport staff in developing practical rehabilitation actions and budgets. Furthermore, the understanding of pavements’ past performance and forecasted condition may assist airport staff in addressing pavement rehabilitation in a timely and cost-effective manner. **Figure 1.7.2 (a) Typical Pavement Condition Life Cycle**, which is based on the FAA Advisory Circular **150/5380-7B “Airport Pavement Management Program (PMP).”** **Figure 1.7.2 (a) Typical Pavement Condition Life Cycle**, depicts a general duration of a pavement section and identifies the ideal condition to perform rehabilitative treatments at an optimal cost rather than allowing significant increase in rate of deterioration that would result in increased costs.

Figure 1.7.2 (a) Typical Pavement Condition Life Cycle



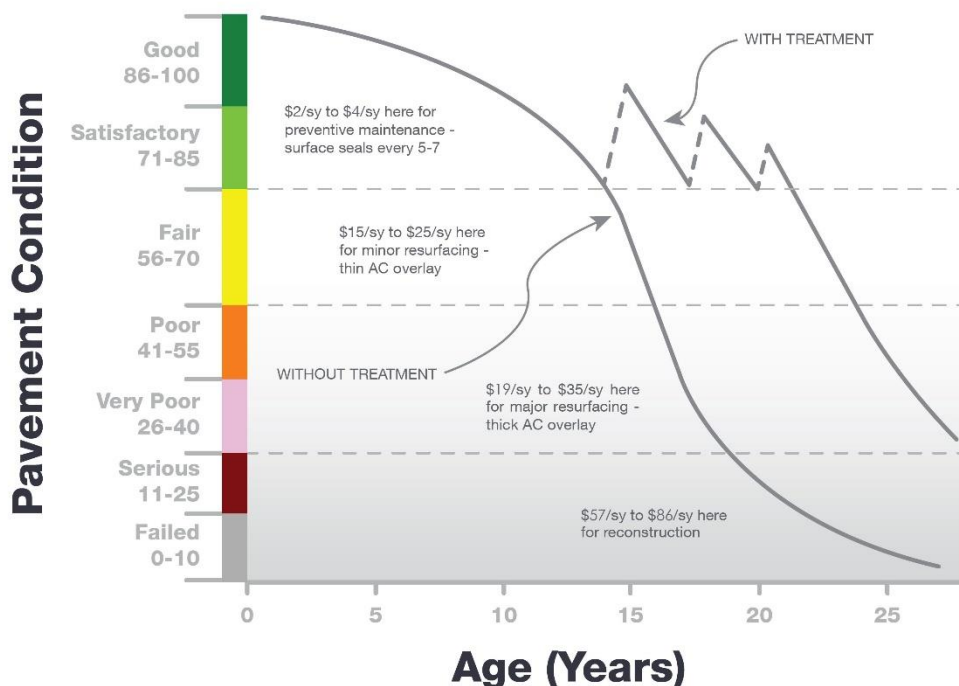
**Figure is for conceptual purposes only – unit costs are not specific to airfield pavements (AC vs PCC).*

Figure 1.7.2 (b) General Pavement Treatments by Condition Range depicts generic flexible asphalt concrete (AC) pavement treatments that are effective at specific condition ranges. This graphic is a general concept and will vary based on pavement surface type and overall



composition. The intent is to convey various treatment types that would be effective based on the condition of the pavement along the deterioration model.





Figure 1.7.2 (b) General Pavement Treatments by Condition Range







Pavement maintenance, repair, and major rehabilitation would be quite anticipatory if all pavements behaved as depicted in **Figures 1.7.2 (a) and 1.7.2 (b)**, however pavement condition performance vary significantly based on several factors. Factors that contribute to a pavement section's condition and deterioration performance may include: functional design life, material type, material construction quality, climatic conditions, aircraft loading type and frequency, non-aircraft loading type and frequency, maintenance history, subgrade conditions, and other infrastructure in the vicinity. The list of factors is not all-inclusive of all factors that may contribute to a pavement's life cycle, it is intended to clarify that unique conditions certainly will affect a pavement's deterioration.

Figures 1.7.2 (c) and 1.7.2 (d), depict visual conditions of pavement facilities, for both AC and PCC respectively, with approximated PCI ranges and corresponding repair and rehabilitation measures.


Figures 1.7.2 (c) Flexible Asphalt Concrete

	PCI Range	Representative PCI	Representative Pavement Surface	Rehabilitation Activities
Routine Maintenance	86-100	90		Pavements with PCI values above 85, or 'Good', may require periodic joint/crack sealing and local patching.
Pavement Preservation	65-85	70		Pavements with PCI conditions ranging from 'Fair' to 'Satisfactory' may require surface treatments (seal coat), thin overlays, and/or joint/crack sealing.
Major Rehabilitation	40-64	50		Pavements that have deteriorated below a PCI 65 (but above 39), or within the range of 'Very Poor' to 'Fair' conditions, may require major rehabilitation such as pavement mill and overlay or partial full-depth reconstruction.
Major Reconstruction	0-39	15		Pavements that have deteriorated below a PCI 40, or within the range of 'Failed' to 'Very Poor' conditions, may require major reconstruction.

Figures 1.7.2 (d) Rigid Portland Cement Concrete

	PCI Range	Representative PCI	Representative Pavement Surface	Rehabilitation Activities
Routine Maintenance	86-100	90		Pavements with PCI values above 85, or 'Good', may require periodic joint/crack sealing and local patching.
Pavement Preservation	65-85	70		Pavements with PCI conditions ranging from 'Fair' to 'Satisfactory' may require patches and/or joint/crack sealing.
Major Rehabilitation	40-64	50		Pavements that have deteriorated below a PCI 65 (but above 39), or within the range of 'Very Poor' to 'Fair' conditions may require major rehabilitation such as slab replacement and PCC restoration activity.
Major Reconstruction	0-39	15		Pavements that have deteriorated below a PCI 40, or within the range of 'Failed' to 'Very Poor' conditions, may require major reconstruction.

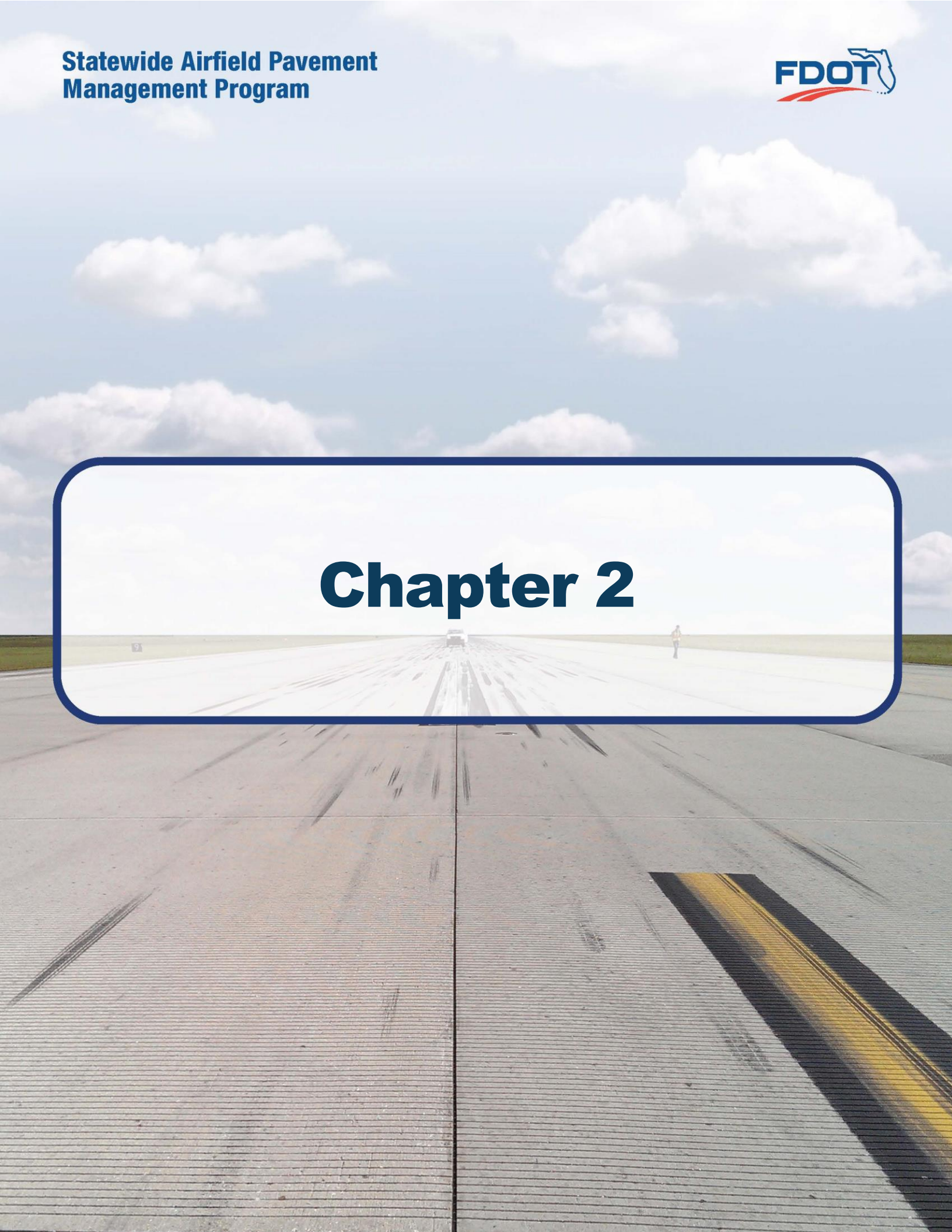


1.8 References

The following reference documents were referenced as specific guidelines and procedures for maintaining airport pavements; establishing an effective pavement maintenance program; and identifying specific pavement distresses, probable causes of distresses, inspection guidelines, and recommended methods of repair:

- ASTM D5340-12 “Standard Test Method for Airport Pavement Condition Index Surveys.”
- FAA Advisory Circular 150/5380-7B “Airport Pavement Management Program.”
- FAA Advisory Circular 150/5380-6C “Guidelines and Procedures for Maintenance of Airport Pavements.”
- FAA Advisory Circular 150/5320-6F “Airport Pavement Design and Evaluation.”
- Department of the Air Force, Air Force Civil Engineer Center “Engineering Technical Letter (ETL) 14-3: Preventive Maintenance Plan (PMP) for Airfield Pavements.”
- Unified Facilities Criteria (UFC) 3-260-16FA 16 “Airfield Pavement Condition Survey Procedures Pavements.”
- Unified Facilities Criteria (UFC) 3-260-03 “Airfield Pavement Evaluation.”
- Pavement Management for Airports, Roads, and Parking Lots 2nd Edition, M.Y. Shahin.

Chapter 2





Chapter 2 – Methodology

An effective pavement management program incorporates the regular collection of pavement condition information and communication of information to appropriate sponsors. This chapter of the report defines the specific methods utilized as part of the SAPMP System Update to meet the requirements of an effective pavement management system as defined by the FAA Advisory Circular **150/5380-7B “Airport Pavement Management Program (PMP).”**

2.1 Airfield Pavement Database

The SAPMP program has historically utilized PAVER™ (formerly MicroPAVER™); the current update has maintained the use of the PAVER™ 7.0 version of the software. The PAVER™ software application was developed by the U.S. Army Construction Engineering Research Laboratory sponsored by the FAA, Federal Highway Administration, U.S. Army, U.S. Air Force, and the U.S. Navy to meet the objectives of an effective pavement management system. The SAPMP consists of a network-level database of the airport's airfield pavement facilities that are part of the program. PAVER™ can achieve the following pavement management objectives: a manageable inventory system, the analysis of the current condition of pavements in accordance with the ASTM D5340, the development of pavement performance models to forecast conditions, and the development of maintenance, repair, and major rehabilitation recommendations based on budgetary scenarios.

PAVER™ inventory management is based on a tiered organizational structure that consists of networks, branches, and sections, with the section being the smallest unit of management. Critical elements of an effective pavement management program are maintained within the network-level PAVER™ database. These elements typically consist of pavement inventory characteristics, pavement structure, work history, historic condition records, and analytical customization.

The SAPMP System Update consisted of the conversion of the previous database from a PAVER™ version 6.5 to a version 7.0.

2.2 Airfield Pavement System Inventory

An airfield pavement system inventory typically maintains the location of all runways, taxiways, and aprons; geometric characteristics; type of pavement structure, year of construction and/or last major rehabilitation; and general composition details of the pavement.

The pavement inventory for an airport's airfield is an assembly of pavement infrastructure information that builds an inventory of branches and sections that codifies the airport's airfield pavement network. General geometry characteristics, estimated length, width, functional classification, pavement surface type, and operational function are among the characteristics identified at this initial phase in the pavement management process. The development of a pavement inventory that reasonably reflects the airport's airfield pavement facilities that are maintained by the airport provides a defined scope of the inspection and analysis efforts. As in the past, the SAPMP scope of work is specific to the airport-maintained airfield pavements as defined in the field network definition exhibits presented to current airport personnel.



A critical input to the pavement system inventory and network definition in the development of the SAPMP update is the date of last major rehabilitation/construction performed on the pavement assets that would set the asset at a PCI of 100 and a condition rating of Good. The airport provided a limited combination of record drawings, reports, and staff input that was pertinent information in developing the construction history of the airport's pavements from inception. Major rehabilitation/construction activities performed in the last 24-months or anticipated in the next 24-months are assumed to restore the PCI to 100. These activities include; pavement overlay, mill and replace, mill and overlay, new construction, and/or complete reconstruction.

Aerial imagery was obtained through the FDOT Surveying & Mapping Office's *Aerial Photo Look Up System (APLUS)*. This spatially projected imagery was utilized with computer-aided drafting software (AutoCAD) in concert with geographical information system software (ArcGIS) to develop a planning-level representative model that reasonably reflects the pavement assets at the airport.

2.2.1 Pavement Management Program Network Definition Terminology

There are several terms that are common in the communication of the results of the SAPMP System Update, these terms are defined as follows:

Pavement Network

A pavement network is a logical unit for organizing pavements into a structure for pavement management. A network will typically consist of one or more pavement *branches*, which are typically comprised of one or many pavement *sections*. The network is the starting point of the hierarchy of pavement management organization. For example, a network can be all the pavements within an airport's airfield or all the pavements in a statewide program. For the FDOT SAPMP, a network represents an individual airport's airfield pavement facilities maintained by the airport.

The SAPMP System Update consists of research and evaluation of existing record documentation for the participating airports' airfield facilities. The pavement network is typically limited to the pavement facilities subject to aircraft use that is also maintained by the airport owner and eligible for public funding.

Pavement Branch

A pavement branch, also known as a facility, is a logical unit of generally identifiable pavement of a network with distinct functional classification. For example, within an airfield each runway, taxiway, or apron is considered a branch. A branch must consist of at least one section.

Pavement Section

A pavement section, also known as a feature, is the most specific management unit when considering the application and selection of maintenance, repair, and/or major rehabilitation treatments on an area of pavement within a branch. Each branch consists of at least one section, but may consist of more if pavement feature characteristics are distinct throughout the branch. Characteristics considered when subdividing branches into sections include, but are not limited to: pavement structure, type, age, condition, and function; traffic composition and frequency (current and future); geometric location; construction history; and other related



infrastructure features (e.g. drainage). A pavement section is defined as a subordinate of a pavement branch, which is a subordinate of a “parent” pavement network.

Pavement Sample Unit

A pavement sample unit is a subdivision of a pavement section that has a standard size range: twenty (20) continuous slabs (± 8 slabs) for Portland Cement Concrete (PCC) pavement and 5,000 contiguous square feet ($\pm 2,000$ ft²) for flexible asphalt concrete (AC) or porous friction course pavements.

Table 2.2.1 Airfield Pavement Database Network Definition Terminology

PMS Network Level	Common Definition	Airport Example
Network	Overall pavement assets maintained by the Airport	“Tallahassee International Airport – Airfield Pavements”
Branch Name	Commonly defined asset name as established by Airport and by use	“Runway 18-36”
Branch ID	Codified shorthand name for commonly defined asset established for database identification	“RW 18-36” RW, Branch Use, “Runway” 18-36, Runway Facility
Section ID	Codified identification for pavement asset that is distinct by the following: <ul style="list-style-type: none">• Pavement Composition• Construction Work History• Aircraft Traffic• Condition Records	“6105”
Sample Unit	A numeric identification of an area of pavement (5,000 \pm 2,000 SF of AC or 20 \pm 8 slabs of PCC) that has been inspected in accordance with ASTM D5340-12.	“300”



2.3 Airfield Pavement Structure

2.3.1 Pavement Structure Types

Airport airfield pavements are constructed to provide adequate support for the loads imposed by aircraft and produce a firm, stable, smooth, all-year, all-weather surface free of debris or other particles that may be blown or dislocated by propeller wash or jet blast. Typical pavement planning and design requires coordination of factors that include but are not limited to; subgrade conditions, material layer types, aircraft fleet mix (type, frequency, and traffic growth), and functional use. A pavement structure is composed of constructed layers that consist of subgrade, subbase, base course, structural courses, and surfaces courses. For the FDOT SAPMP, two major pavement structure types are classified for evaluation and analysis: Flexible Asphalt Concrete Surface and Rigid Portland Cement Concrete Surface. Additionally, Composite Structures known as Whitetopping Pavements are also present at limited airports within the Florida Airports System; these unique pavement structures are evaluated separately.

Flexible Asphalt Concrete Surface

A pavement comprised of aggregate mixture with an asphalt cement binder. The FDOT SAPMP consists of three (3) asphalt concrete surface types: Asphalt Concrete (AC), Asphalt Concrete Overlaid on Asphalt Concrete (AAC), and Asphalt Concrete Overlaid on Portland Cement Concrete (APC).

Asphalt Concrete (AC)

A flexible pavement section consisting of aggregate mixture with asphalt cement binder layered on engineered base course material that is layered on subbase and subgrade soil material.

Asphalt Concrete Overlaid on Asphalt Concrete (AAC)

A flexible pavement section consisting of aggregate mixture with asphalt cement binder layered on an existing flexible AC pavement section. Flexible airfield pavement sections are AAC when a pavement rehabilitation consists of a pavement milling operation and a resurfacing of asphalt layers; or a direct overlay of asphalt concrete without surface preparation.

Asphalt Concrete Overlaid on Portland Cement Concrete (APC)

A flexible pavement section consisting of aggregate mixture with asphalt cement binder layered on an existing Rigid PCC pavement section. This unique pavement composition may result in distinct pavement distress manifestations known as reflective joint cracking.



Rigid Portland Cement Concrete Surface

A pavement comprised of aggregate mixture with a Portland Cement binder. The FDOT SAPMP recognizes Portland Cement Concrete (PCC) as the primary rigid pavement section.

Portland Cement Concrete (PCC)

A rigid pavement section composed of Portland cement concrete placed on a granular or treated base course that is supported on a compacted subgrade. The concrete surface must provide a texture of nonskid qualities, prevent the infiltration of surface water into the subgrade, and provide structural support to the airplanes. Rigid pavement construction requires the layout of appropriately designed joint spacing.

Composite Structure – Whitetopping Pavement

A composite pavement comprised of relatively thin Portland Cement Concrete overlaid on an existing flexible asphalt concrete pavement structure. There are three (3) types of Whitetopping Pavements; Conventional (WHT), Thin (TWT), and Ultra-Thin (UTW).

Conventional Whitetopping (WHT)

A composite pavement structure consisting of a modified PCC overlaid on an existing flexible AC pavement section area. The modified PCC layer is typically greater than 8 inches in thickness.

Thin Whitetopping (TWT)

A composite pavement structure consisting of a modified PCC overlaid on an existing flexible asphalt concrete pavement section. The modified PCC layer is typically between 4 and 8 inches in thickness.

Ultra-Thin Whitetopping (UTW)

A composite pavement structure consisting of a modified PCC overlaid on an existing flexible asphalt concrete pavement section. The Portland Cement Concrete layer is typically between 2 and 4 inches in thickness.



2.4 Airfield Pavement Work History

2.4.1 Airfield Pavement Record Keeping

It is strongly recommended that airports maintain records of all airfield construction and maintenance related to the pavement facilities. A history of all maintenance and repair performed and its associated costs (construction and soft costs) can provide valuable information on the effectiveness of various treatments on pavements. An airport should maintain detailed records of maintenance (routine, emergency, and proactive) activities. The records should consist of the following:

1. Location and Limits of Work.
2. Types and Severity of Distresses Repaired.
3. Type of Work.
4. Cost of Work.
5. Supporting Documents (contract documents, construction drawings, specifications, bid tabulations, repair product, photograph records, etc.).

2.5 Airfield Pavement Traffic

A pavement section is typically designed to meet the needs of the user (airlines, air cargo, general aviation, and/or military) in providing a safe, smooth, operational surface. Pavement deterioration generally occurs gradually through increased roughness and/or fatigue cracking caused by successive and heavy aircraft traffic.

This study does not consist of a study or analysis of each individual airport's airfield aircraft fleet mix or traffic operations. However, it is strongly recommended that airports incorporate the requirements of FAA Advisory Circular **150/5320-6F Airport Pavement Design and Evaluation** when developing design-level rehabilitation activities. The AC provides guidance on incorporation of aircraft traffic fleet mix data.

2.6 Airfield Pavement Condition Index (PCI) Survey

2.6.1 PCI Survey Methodology

In adherence to the FAA Advisory Circular **150/5380-7B "Airport Pavement Management Program (PMP),"** the FDOT SAPMP utilizes the PCI Survey Method of inspection to collect pavement distress data and analyze the condition. The PCI Survey Inspection procedure is a visual statistical sampling of pavements for recording primary distress types (e.g. cracking and deformation), associated severities, and quantities as defined by the ASTM D5340-12. This effort is the primary means of obtaining and recording pavement distress data. The survey inspection consists primarily of visual inspection of pavement surfaces for signs of distress and deterioration resulting from loading (aircraft) and environmental influences.

A visual pavement condition survey provides an indication of the cause and rate of deterioration of a pavement section from a functional point of view and can be an indicator of structural distress. The functional condition analysis assesses the rating of the operational surface. A visual PCI Survey Inspection does not predict the remaining structural life of a pavement section, or its ability to support loads. The functional condition determined by the PCI method



can provide a cost-effective means to plan for pavement rehabilitation projects. The timely application of pavement rehabilitation may lead to the extension of functional life of individual pavement sections. This method varies from structural evaluation; functional condition is limited to visually observed distresses and indicative modes of pavement deterioration. A formal structural evaluation analyzes subsurface conditions, material characteristics, and qualitative pavement structure attributes. A structural evaluation may consist of; subsurface geotechnical exploration, falling weight deflectometer testing, petrographic testing, material coring, and/or flexural testing.



2.6.2 Pavement Distress Types

For each section, the severity and quantity of defined distresses are recorded and then analyzed in accordance with the ASTM D5340-12 standard. The standard identifies 17 distinct flexible asphalt concrete distress types and 16 distinct rigid Portland Cement Concrete distress types.

Table 2.6.2 (a) Pavement Distress Types – Flexible Asphalt Concrete-Surfaced Airfields

Distress	Common Distress Mechanisms
Alligator Cracking	Load / Fatigue
Bleeding	Construction Quality/ Mix Design
Block Cracking	Climate / Age
Corrugation	Load / Construction Quality
Depression	Load / Subsurface
Jet Blast	Aircraft
Joint Reflection - Cracking	Climate / Subsurface Pavement / Traffic Load
Longitudinal/Transverse Cracking	Climate / Construction Quality
Oil Spillage	Aircraft / Vehicle
Patching	Utility / Pavement Repair / Age
Polished Aggregate	Repeated Traffic Loading
Raveling	Climate / Age
Rutting	Load / Fatigue
Shoving	PCC Pavement Growth / Movement
Slippage Cracking	Load / Pavement Bond / Mix Design
Swelling	Climate / Subsurface
Weathering	Climate / Age



Table 2.6.2 (b) Pavement Distresses Possible Causes – Flexible Asphalt Concrete-Surfaced Airfields

Classification by Possible Causes			
Load	Climate / Durability	Moisture / Drainage	Others
<ul style="list-style-type: none"> Alligator Cracking Corrugation Depression Patching of Load-based distress Polished Aggregate Rutting Slippage Cracking 	<ul style="list-style-type: none"> Bleeding Block Cracking Joint Reflection Cracking L/T Cracking Patching of climate / durability-caused distresses Shoving from PCC Raveling Weathering Swelling 	<ul style="list-style-type: none"> Alligator Cracking Depression Patching of moisture / drainage caused distress Swelling Raveling Weathering 	<ul style="list-style-type: none"> Oil Spillage Jet Blast Erosion Polished Aggregate

Table 2.6.2 (c) Pavement Distresses Possible Effects – Flexible Asphalt Concrete-Surfaced Airfields

Classification by Possible Effects			
Roughness	Skid / Hydroplaning Potential	FOD Potential	Rate of Deterioration and Maintenance Requirements
<ul style="list-style-type: none"> Corrugation Depression Rutting Shoving of asphalt pavement Swelling Raveling Weathering 	<ul style="list-style-type: none"> Bleeding Depression Polished Aggregate Rutting 	<ul style="list-style-type: none"> Block Cracking Joint Reflection Cracking L/T Cracking Slippage Cracking 	<ul style="list-style-type: none"> All Distresses



Table 2.6.2 (d) Pavement Distresses – Rigid Portland Cement Concrete-Surfaced Airfields

Distress	Common Distress Mechanisms
Blowup	Climate / ASR
Corner Break	Load Repetition / Curling Stresses
Linear Cracking	Load Repetition / Curling Stresses / Shrinkage Stresses
Durability Cracking	Freeze-Thaw Cycling
Joint Seal Damage	Material Deterioration / Construction Quality / Age
Small Patch	Pavement Repair
Large Patch/Utility Cut	Utility / Pavement Repair
Popout	Freeze-Thaw Cycling / ASR / Material Quality
Pumping	Load Repetition / Poor Joint Sealant
Scaling	Construction Quality / Freeze-Thaw Cycling
Faulting	Subgrade Quality / ASR / Inadequate Load Transfer
Shattered Slab	Overloading
Shrinkage Cracking	Construction Quality / Climate
Joint Spalling	Load Repetition / Infiltration of Incompressible Material / Deterioration of Dowel (Load Transfer) Bars
Corner Spalling	Load Repetition / Infiltration of Incompressible Material / Deterioration of Dowel (Load Transfer) Bars
Alkali-Silica Reaction (ASR)	Construction Quality / Climate / Chemical Reaction



Table 2.6.2 (e) Pavement Distresses Possible Causes – Rigid Portland Cement Concrete-Surfaced Airfields

Classification by Possible Causes			
Load	Climate / Durability	Moisture / Drainage	Others
<ul style="list-style-type: none"> • Corner Break • Shattered Slab • L/T/D Cracking • Pumping • Patching of Load-associated distress • Spalling 	<ul style="list-style-type: none"> • Blowup • "D" Cracking • Joint Seal Damage • Popouts • Scaling • Patch of Climate/Durability-associated distress • Shrinkage Cracking • Spalling • L/T/D Cracking 	<ul style="list-style-type: none"> • Corner Break • Shattered Slab • Pumping • Patching of Moisture/Drainage-associated distress 	<ul style="list-style-type: none"> • Settlement / Faulting

Table 2.6.2 (f) Pavement Distresses Possible Effects – Rigid Portland Cement Concrete-Surfaced Airfields

Classification by Possible Effects			
Roughness	Skid / Hydroplaning Potential	FOD Potential	Rate of Deterioration and Maintenance Requirements
<ul style="list-style-type: none"> • Blowup • Corner Break • L/T/D Cracking • Shattered Slab • Settlement / Faulting • Spalling 	<ul style="list-style-type: none"> • Settlement / Faulting • Spalling 	<ul style="list-style-type: none"> • Corner Break • L/T/D Cracking • "D" Cracking • Joint Seal Damage • Shattered Slab • Popouts • Scaling 	<ul style="list-style-type: none"> • All distresses



2.6.3 PCI Survey Inspection Procedures

Inspection Sampling Rate

The FDOT SAPMP performs PCI Survey Inspections on sample units defined in the previous update. The sample units are subject to change at the discretion of the inspection personnel and/or to major pavement rehabilitation treatments. Furthermore, access to the sample units based on accessibility or impacts to operations may affect the overall sampling rate effort at each airport. The following **Tables 2.6.3 (a) and (b)** define the sampling criteria used by the FDOT SAPMP. A higher sampling rate may be utilized to achieve a greater statistical confidence should the airport have the available resources to perform PCI Survey Inspections independent of the FDOT SAPMP.

Table 2.6.3 (a) Recommended Sample Rate Schedule for Flexible Asphalt Concrete

Number of Total Sample Units in Section	Sample Units to Inspect	
	Runways	Taxiways, Aprons, and Others
1 - 4	1	1
5 - 10	2	1
11 - 15	3	2
16 - 30	5	3
31 - 40	7	4
41 - 50	8	5
51 or more	20% but ≤ 20	10% but ≤ 10

Table 2.6.3 (b) Recommended Sample Rate Schedule for Rigid Portland Cement Concrete

Number of Total Sample Units in Section	Sample Units to Inspect	
	Runways	Taxiways, Aprons, and Others
1 - 3	1	1
4 - 6	2	1
7 - 10	3	2
11 - 15	4	2
16 - 20	5	3
21 - 30	7	3
31 - 40	8	4
41 - 50	10	5
51 or more	20% but ≤ 20	10% but ≤ 10



2.6.4 Updates to the ASTM D5340-12

Airfield pavement distresses and conditions were surveyed in accordance with the methods outlined in FAA Advisory Circular 150/5380-6C and ASTM D5340-12. These procedures define distress type, severity, and quantity for sampling areas within each defined pavement section area to analyze and determine the PCI value and condition rating. During the 2013-2015 System Update, the incorporation of the significant changes to the ASTM D5340 (version D5340-12) resulted in adjusted pavement condition indices on pavement sections subject to the distress types updated. Furthermore, the revision of the PCI deduction curves and the separation of distress types from the original, such as Weathering and Raveling, have in select cases increased the PCI value of the section without any rehabilitation performed.

Flexible Asphalt Concrete Pavement Distress Updates

The previous methodology which featured “(52) Weathering and Raveling” distress has been separated into two distresses “(52) Raveling” and “(57) Weathering.” Previously, areas that were recorded as “Weathering and Raveling” were considered as one distress with a high deduction. Based on the updated methodology, in certain situations where “Weathering” only exists and does not meet the definition of “Raveling,” the PCI deduction is not as high as the former “Weathering and Raveling.” Therefore, areas identified only as “(57) Weathering” based on current ASTM standards, which were previously identified as “(52) Weathering and Raveling,” may be subject to an improvement in PCI. In instances where pavement PCI has increased due to this update, it is not due to an improvement in actual condition, however indicative of the adjusted distress deterioration effects.

Rigid Portland Cement Concrete Pavement Distress Updates

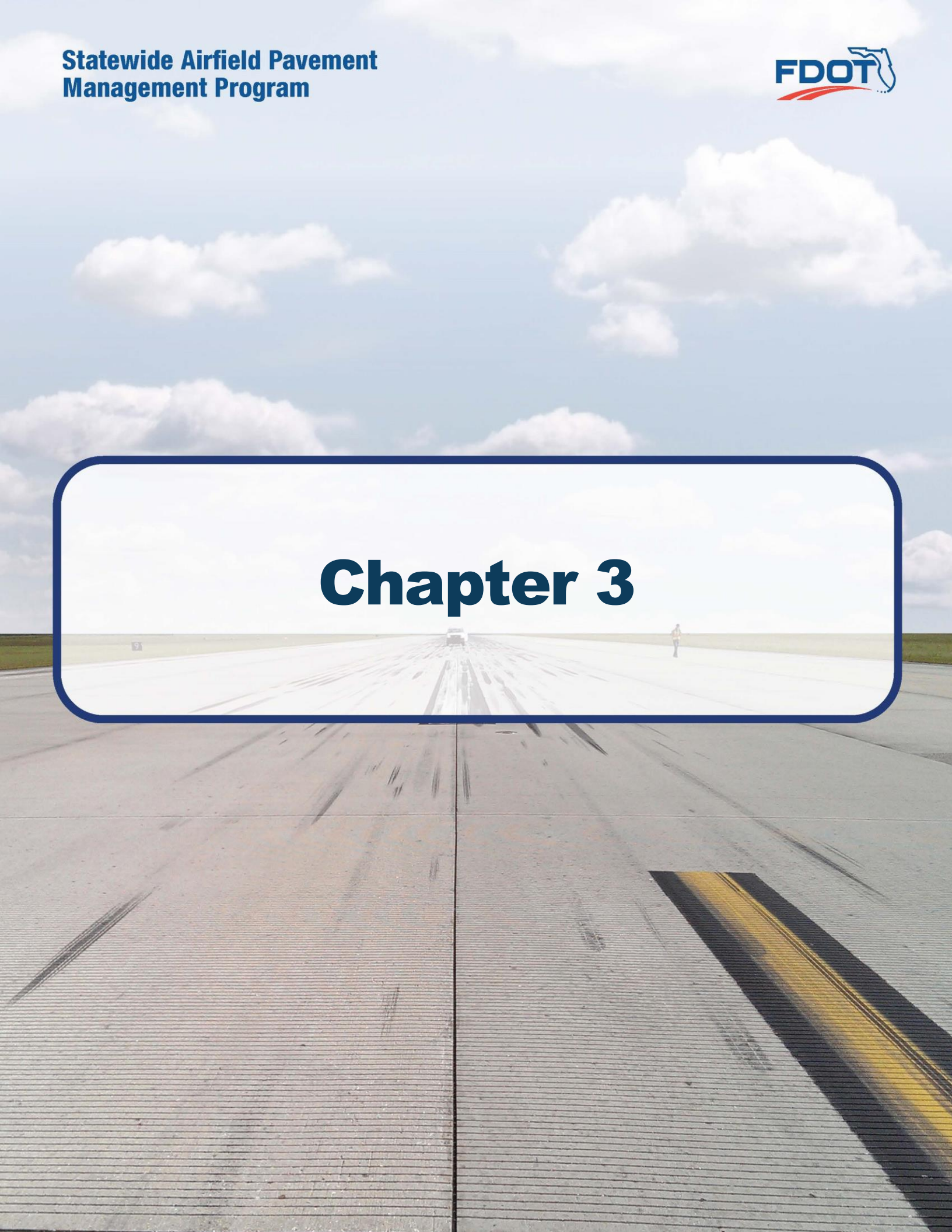
The previous methodology defined “(70) Scaling” as a distress that consisted of surface deterioration caused by construction defects, material defects, and environmental factors. The distress included *Alkali-Silica Reaction*, also known as ASR. The current methodology has separated Alkali-Silica Reaction as a distress identified as “(76) Alkali-Silica Reaction / ASR.” As a result, the previous “(70) Scaling” numerical deduction contribution to the PCI has been reduced. Previous inspections that recorded “(70) Scaling,” and currently do not exhibit “(76) Alkali-Silica Reactivity / ASR” may potentially see an increase in PCI. Additionally, “(73) Shrinkage Cracks” has been redefined as “(73) Shrinkage Cracking”. Shrinkage Cracking is characterized in two forms; drying shrinkage and plastic shrinkage. Drying shrinkage occurs over time as moisture leaves the pavement, it develops when hardened pavement continues to shrink as excess water not needed for cement hydration evaporates. It forms when subsurface resistance to the shrinkage is present and may extend through the entire depth of the slab. Plastic shrinkage can be caused by both atmospheric conditions and construction. Plastic shrinkage caused by atmospheric conditions develops when there is rapid loss of water in the surface of recently placed pavement. High winds or low humidity are contributing factors to evaporation. These shrinkage cracks can appear as a series of parallel cracks, usually 1 to 3 feet apart and do not extend very deep into the pavement’s surface. Plastic shrinkage caused by construction can form from over finishing/overworking of the pavement during construction. These shrinkage cracks appear as a series of inter-connected hairline cracks, or pattern cracking, and are often observed throughout the majority of the slab surface. This condition is also referred to as map cracking or crazing.



Table 2.6.4 Summary of Updates to ASTM D5340-12

Distress Updates to Reflect ASTM 5340-12				
Use and Surface Type	Updated Distress	Former Distress in Prior to 5340-10	Deduction Curve	Potential Effect
AC/AAC/APC Airfield	(52) Raveling - Low	(52) Weathering and Raveling - Low	No Change	N/A
	(52) Raveling - Medium	(52) Weathering and Raveling - Medium	No Change	N/A
	(52) Raveling - High	(52) Weathering and Raveling - High	No Change	N/A
	(57) Weathering - Low	N/A – was part of 'Weathering and Raveling'	New	Increase in PCI with no maintenance
	(57) Weathering - Medium	N/A – was part of 'Weathering and Raveling'	New	Increase in PCI with no maintenance
	(57) Weathering - High	N/A – was part of 'Weathering and Raveling'	New	Increase in PCI with no maintenance
PCC Airfield	(70) Scaling - Low	(70) Scaling, Map Cracking, and Cracking - Low	New	Increase in PCI with no maintenance
	(70) Scaling - Medium	(70) Scaling, Map Cracking, and Cracking - Medium	New	Increase in PCI with no maintenance
	(70) Scaling - High	(70) Scaling, Map Cracking, and Cracking - High	New	Increase in PCI with no maintenance
	(76) Alkali Silica Reaction – Low	N/A – was part of 'Scaling, Map Cracking, and Cracking'	New	Increase in PCI with no maintenance
	(76) Alkali Silica Reaction – Medium	N/A – was part of 'Scaling, Map Cracking, and Cracking'	New	Increase in PCI with no maintenance
	(76) Alkali Silica Reaction – High	N/A – was part of 'Scaling, Map Cracking, and Cracking'	New	Increase in PCI with no maintenance
	(73) Shrinkage Cracking	(73) Shrinkage Cracking	No Change	Prior distress types identified as 'Scaling, Map Cracking, and Cracking' may now be identified as 'Shrinkage Cracking'

Chapter 3





Chapter 3 – Airfield Pavement System Inventory

A significant element of an effective airfield pavement management system is the appropriate record keeping of changes due to construction or operational use of the pavement facilities. This chapter discusses the inventory data collected from the airport and summarizes network-level characteristics of the airport's airfield pavements. At the start of each FDOT SAPMP System Update, all airports are asked to review the existing Airfield Pavement Network Definition exhibit for accuracy. Furthermore, participating airports are asked to provide documentation for any recent or anticipated construction related to their airfield pavements.

3.1 Airfield Pavement Network Information

3.1.1 Previous and/or Anticipated Airfield Pavement Construction

Based on information provided by the airport, the following **Table 3.1.1** summarizes the airfield pavement construction projects that have been incorporated into the SAPMP database system since the 2013-2015 System Update. **Figure 3.1.1 (a)** and **Figure 3.1.1 (b)** provides an inset view of the 2019 Airfield Pavement Network Definition Exhibit and the 2019 Airfield Pavement System Inventory Exhibits that depict the updated network details for the airport reflected in the PAVER Database. Large format exhibits are referenced in **Appendix C Technical Exhibits**.

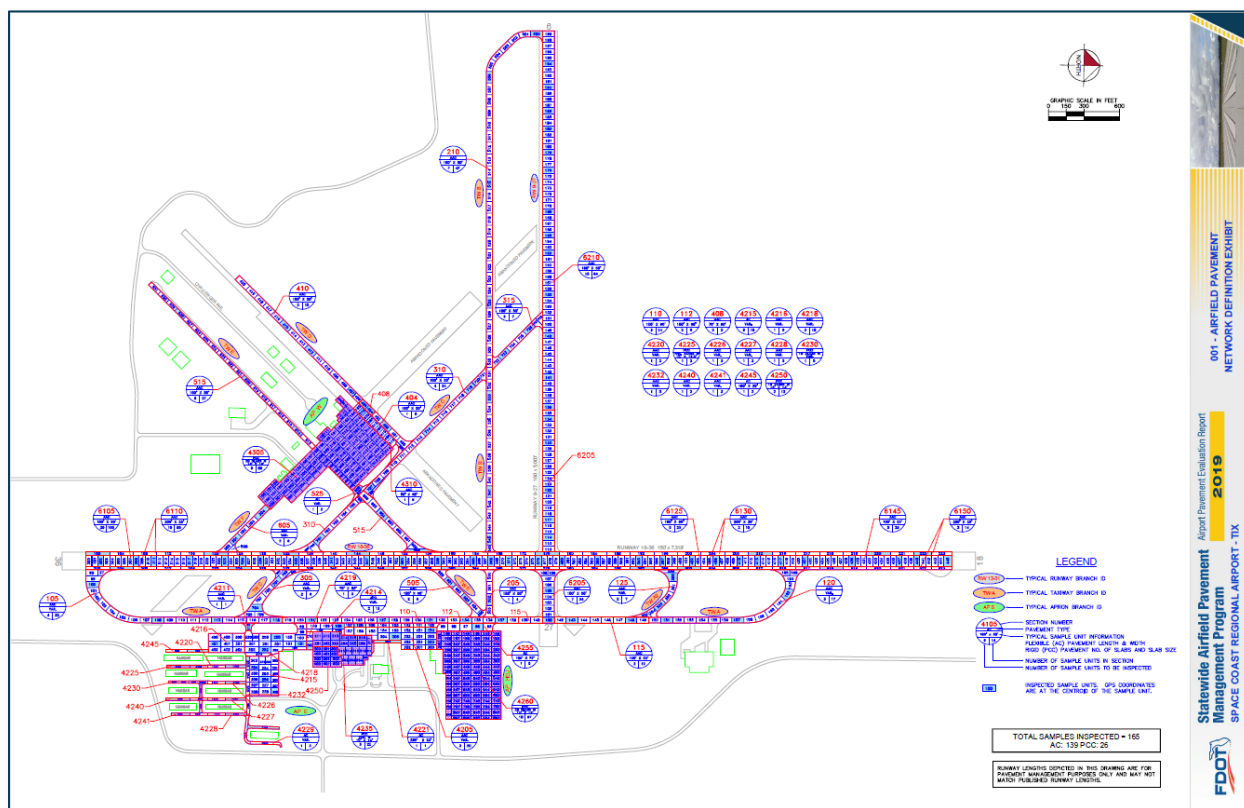
Table 3.1.1 Previous and/or Anticipated Airfield Pavement Construction

Year	General Work Description
2013	TW B, TW C - Mill and Overlay: 1.5" Mill and Overlay
2014	AP E - Mill and Overlay: Variable Depth
	AP W - New Construction: 14" P-501, 6" P-211, 20" P-152
	AP W - Mill and Overlay
	TW E - New Construction
2015	AP E - New Construction: 14" P-501, 6" P-211, Compacted Sand Subgrade
	AP E - Mill and Overlay

The airport provided a limited combination of record drawings, reports, and staff input that was pertinent information in developing the construction history of the airport's pavements from inception. Major rehabilitation/construction activities performed in the last 24-months or anticipated in the next 24-months are assumed to restore the PCI to 100. These activities include: pavement overlay, mill and replace, mill and overlay, new construction, and/or complete reconstruction. These pavements were not formally subject to a PCI Survey and actual conditions may vary. Furthermore, any localized maintenance or repair performed that would improve the PCI will be considered in the condition analysis, if performed within inspection areas.



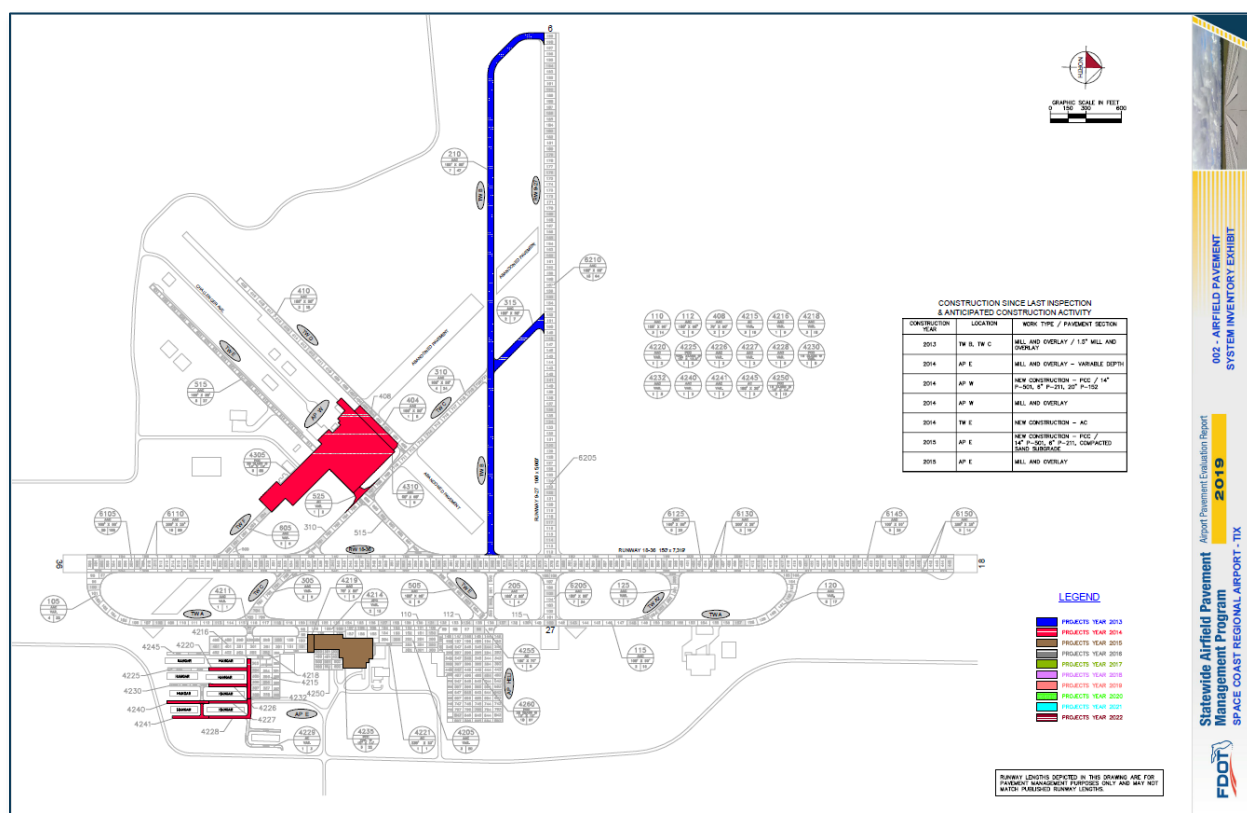
Figure 3.1.1 (a) 2019 Airfield Pavement Network Definition Exhibit



The Airfield Pavement Network Definition Exhibit provides details to the PCI Survey inspection efforts. The exhibit identifies the pavement facilities, surface type, section definition, and sample unit delineation.



Figure 3.1.1 (b) 2019 Airfield Pavement System Inventory Exhibit



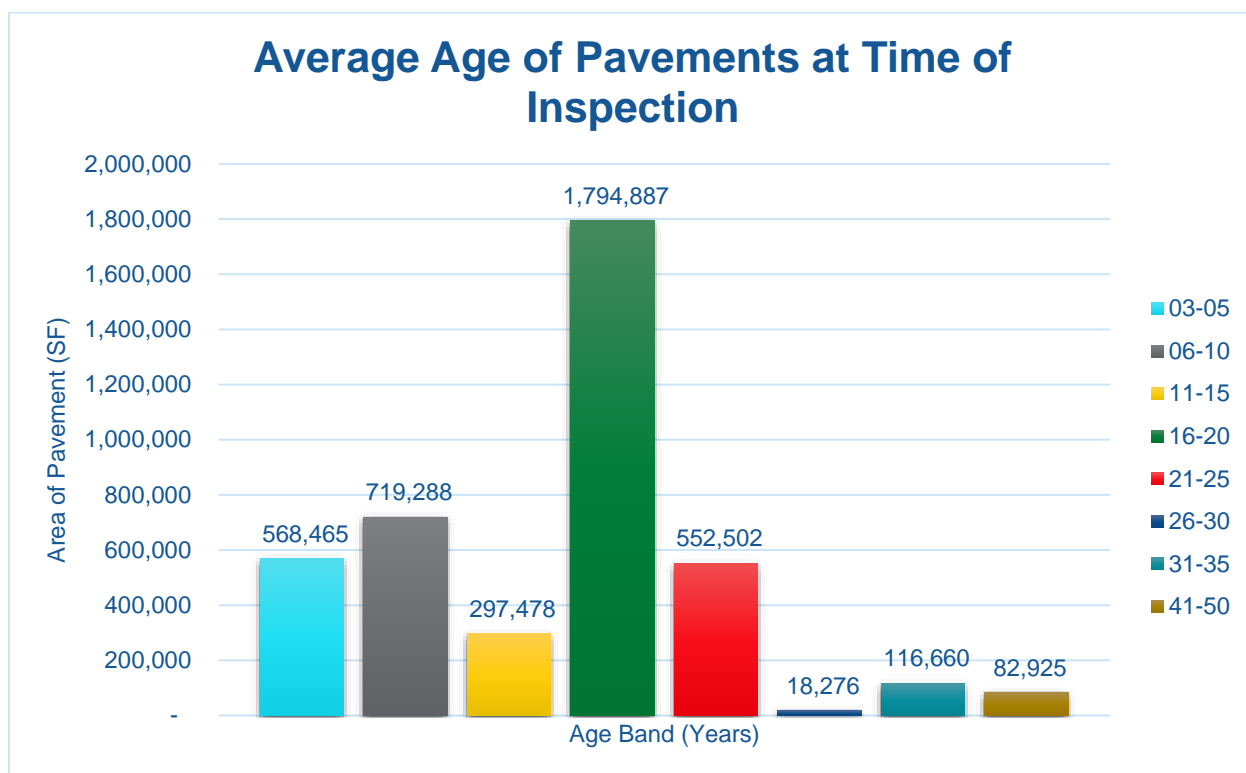
The Airfield Pavement System Inventory Exhibit provides details to the work history updates communicated by the Airport. The Exhibit provides the approximate limits of recent and/or anticipated construction on the airfield pavement facilities. The limits are based on documentation provided by the Airport and, if constructed, observed in the field.

3.1.2 Estimated Pavement Age

Standard pavement design practice considers a design life of a 20-year period. Design inputs typically require subgrade soil conditions, pavement section layer material characteristics, and anticipated loading (aircraft fleet mix) for the design-life period. Based on the review of the historic airfield pavement construction, **Figure 3.1.2** summarizes the average age of the pavement sections at the time of the PCI survey inspection. Age is determined to be the number of years since any major construction activity has occurred. This is intended to be a rough estimate based on interpretation of the limited data available at the time of report.



Figure 3.1.2 Average Age of Pavements at Inspection



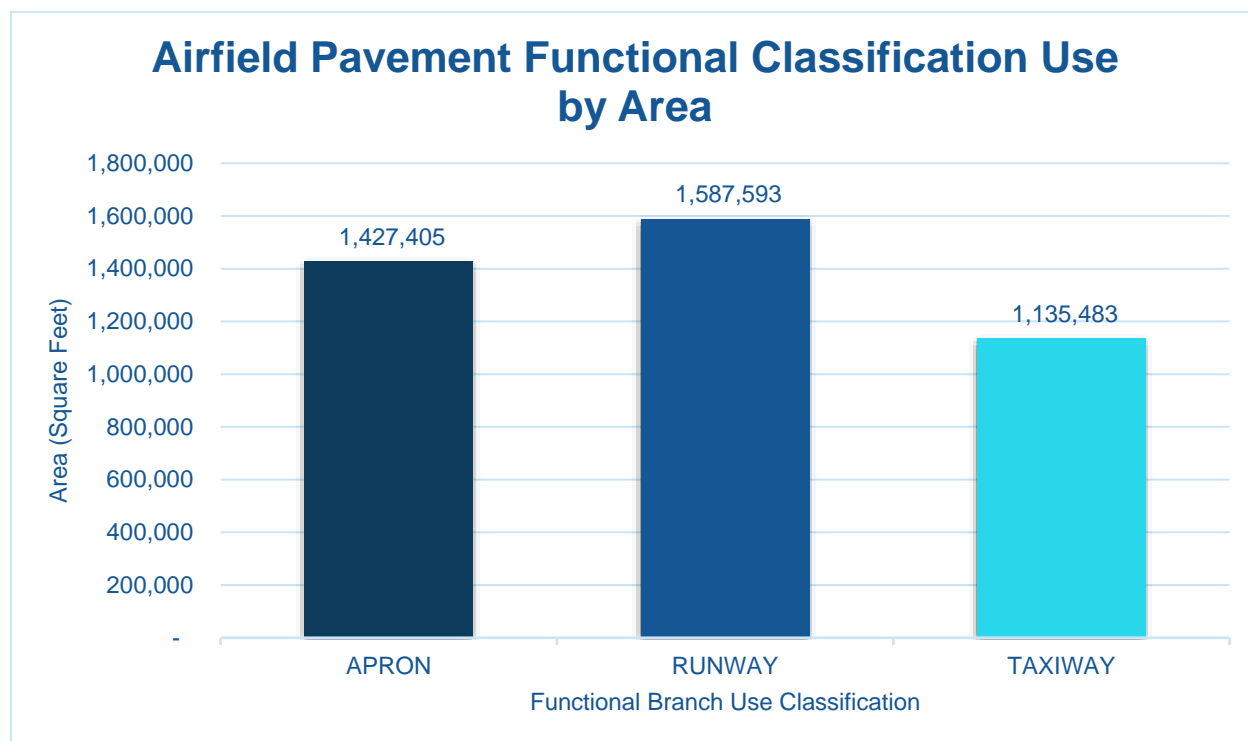
The estimation of the pavement age is based on information requested and provided by participating airports. Additionally, data collected in the prior system updates since 1992 have been relied upon.



3.1.3 Functional Use Classification

Pavements are subject to varying aircraft loading patterns based on utilization and overall operations. For this SAPMP Update, the following categories of airfield functional use have been identified and associated with the following possible pavement branch facilities: Apron, Runway, Taxiway, and Taxilane. **Figure 3.1.3** summarizes the identified pavements' functional use by area in square feet. The pavement areas reviewed exclude shoulder pavement facilities.

Figure 3.1.3 Airfield Pavement Functional Classification Use by Area





3.1.4 Pavement Surface Type

The airfield pavement facility surface types within the SAPMP include four common types of pavement: Portland cement concrete (PCC), asphalt concrete (AC), asphalt concrete overlaid on asphalt concrete (AAC), and asphalt concrete overlaid on Portland cement concrete (APC).

Based on the record documentation incorporated within the SAPMP database throughout the years, the pavement surface types have been assigned to the various pavement sections in accordance to its work history composition. The following **Figures 3.1.4 (a) and (b)** summarize the applicable pavement types observed at this specific airport's airfield.

Figure 3.1.4 (a) Pavement Surface Type by Area (SF)

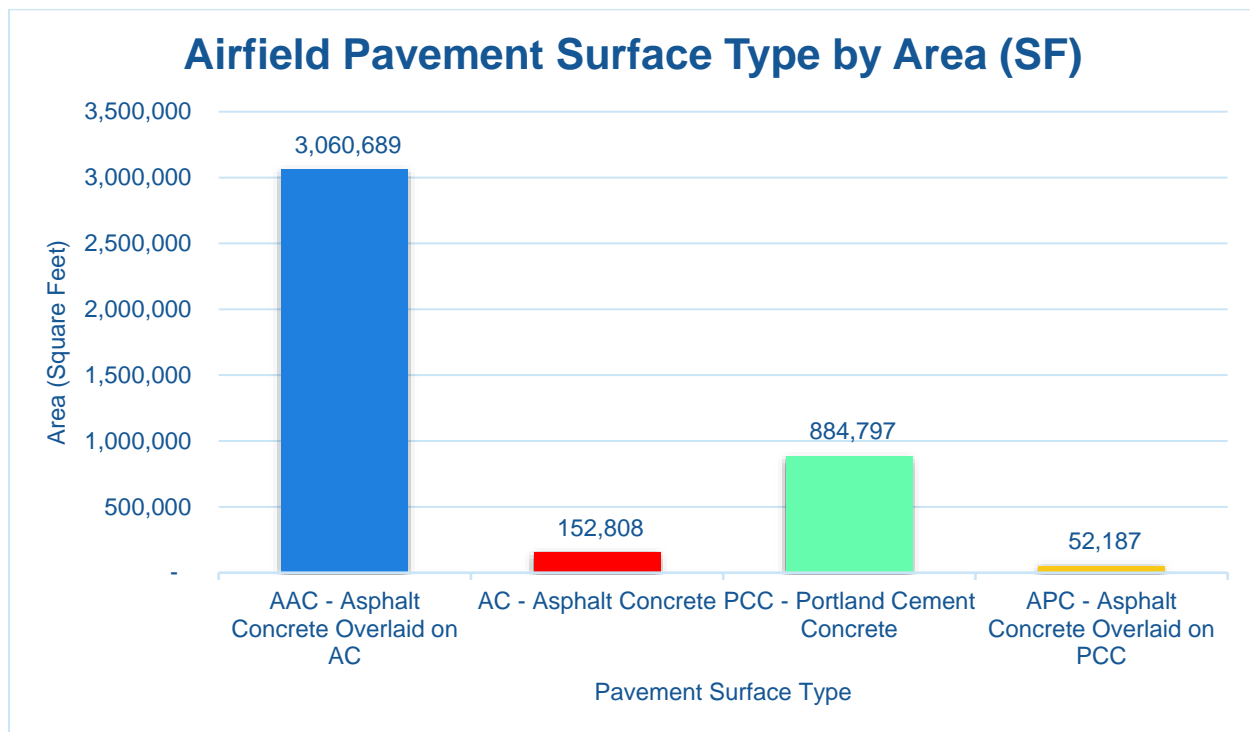
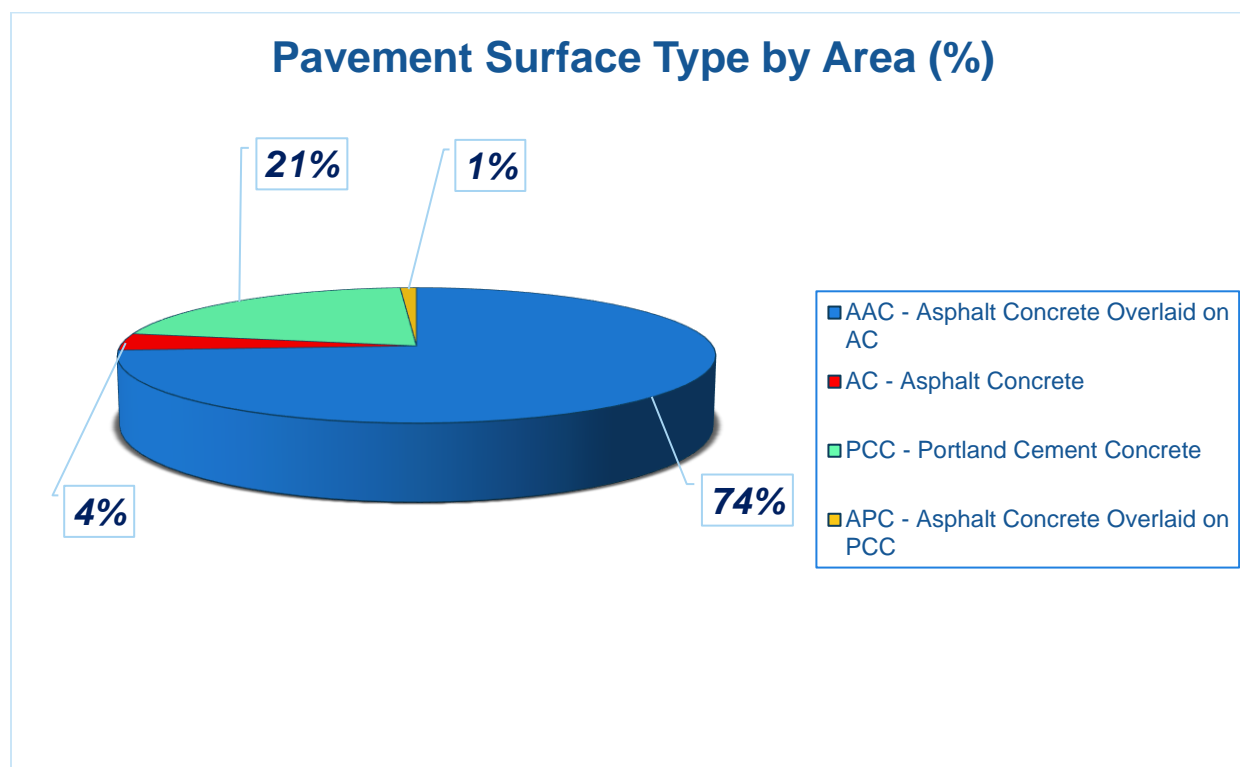




Figure 3.1.4 (b) Pavement Surface Type by Area (%)



3.1.5 Pavement System Inventory Details

The following **Table 3.1.5** displays the section-level details assembled as part of this update. The section-level details are based on the record documentation provided by the airports to FDOT and from SAPMP System Updates. The details assembled rely on the accuracy and the adequacy of data provided; however, it should be noted that characteristics such as pavement areas may be based on aerial interpretation of spatially projected imagery. The accuracy of data is presented with the intention of a network planning-level document; should the airport elect to perform rehabilitation work, it is recommended that further investigation be performed at the project level for construction purposes.

In summary, the scope of the pavement inventory update resulted in the updating of select existing pavement geometry and the development of an AutoCAD model with spatial projection for use within GIS. **Appendix A** includes the Airfield Pavement Network Definition Exhibit and the Airfield Pavement System Inventory Exhibit which visually summarize the results of the Airfield Pavement System Inventory analysis and reporting.



Table 3.1.5 Pavement System Inventory Details

Network ID	Branch Name	Branch ID	Branch Use	Section ID	Length (FT)	Width (FT)	Area (SF)	Surface Type	Est. Last Construction Date
TIX	EAST APRON	AP E	APRON	4205	784	188	101,014	AAC	1/1/2008
TIX	EAST APRON	AP E	APRON	4211	100	38	3,845	AAC	6/1/2002
TIX	EAST APRON	AP E	APRON	4214	1,100	35	52,187	APC	6/1/2002
TIX	EAST APRON	AP E	APRON	4215	300	150	82,925	AC	1/1/1971
TIX	EAST APRON	AP E	APRON	4216	300	150	48,836	AAC	1/1/2008
TIX	EAST APRON	AP E	APRON	4218	525	137	95,344	AAC	1/1/2008
TIX	EAST APRON	AP E	APRON	4219	55	151	8,237	AAC	1/1/2015
TIX	EAST APRON	AP E	APRON	4220	300	45	8,168	AAC	1/1/2014
TIX	EAST APRON	AP E	APRON	4221	200	25	5,405	AC	1/1/2008
TIX	EAST APRON	AP E	APRON	4225	400	20	8,700	PCC	1/1/1991
TIX	EAST APRON	AP E	APRON	4226	325	40	6,677	AAC	1/1/2014
TIX	EAST APRON	AP E	APRON	4227	325	40	6,560	AAC	1/1/2014
TIX	EAST APRON	AP E	APRON	4228	400	30	11,100	AAC	1/1/2014
TIX	EAST APRON	AP E	APRON	4229	820	20	16,315	AC	1/1/2012
TIX	EAST APRON	AP E	APRON	4230	400	20	9,576	PCC	1/1/1991
TIX	EAST APRON	AP E	APRON	4232	1,000	162	9,960	AAC	1/1/2014
TIX	EAST APRON	AP E	APRON	4235	495	178	93,090	PCC	1/1/2015
TIX	EAST APRON	AP E	APRON	4240	250	30	7,020	AAC	1/1/2014
TIX	EAST APRON	AP E	APRON	4241	350	25	8,553	AAC	1/1/2014
TIX	EAST APRON	AP E	APRON	4245	350	20	7,200	AC	1/1/2003
TIX	EAST APRON	AP E	APRON	4250	190	200	38,220	PCC	1/1/2011
TIX	HELICOPTER APRON	AP HELI	APRON	4255	475	70	32,798	AC	1/1/2012
TIX	HELICOPTER APRON	AP HELI	APRON	4260	744	510	364,740	PCC	1/1/2012
TIX	WEST APRON	AP W	APRON	4305	1,600	500	370,471	PCC	1/1/2014
TIX	WEST APRON	AP W	APRON	4310	68	400	30,464	AAC	1/1/2014

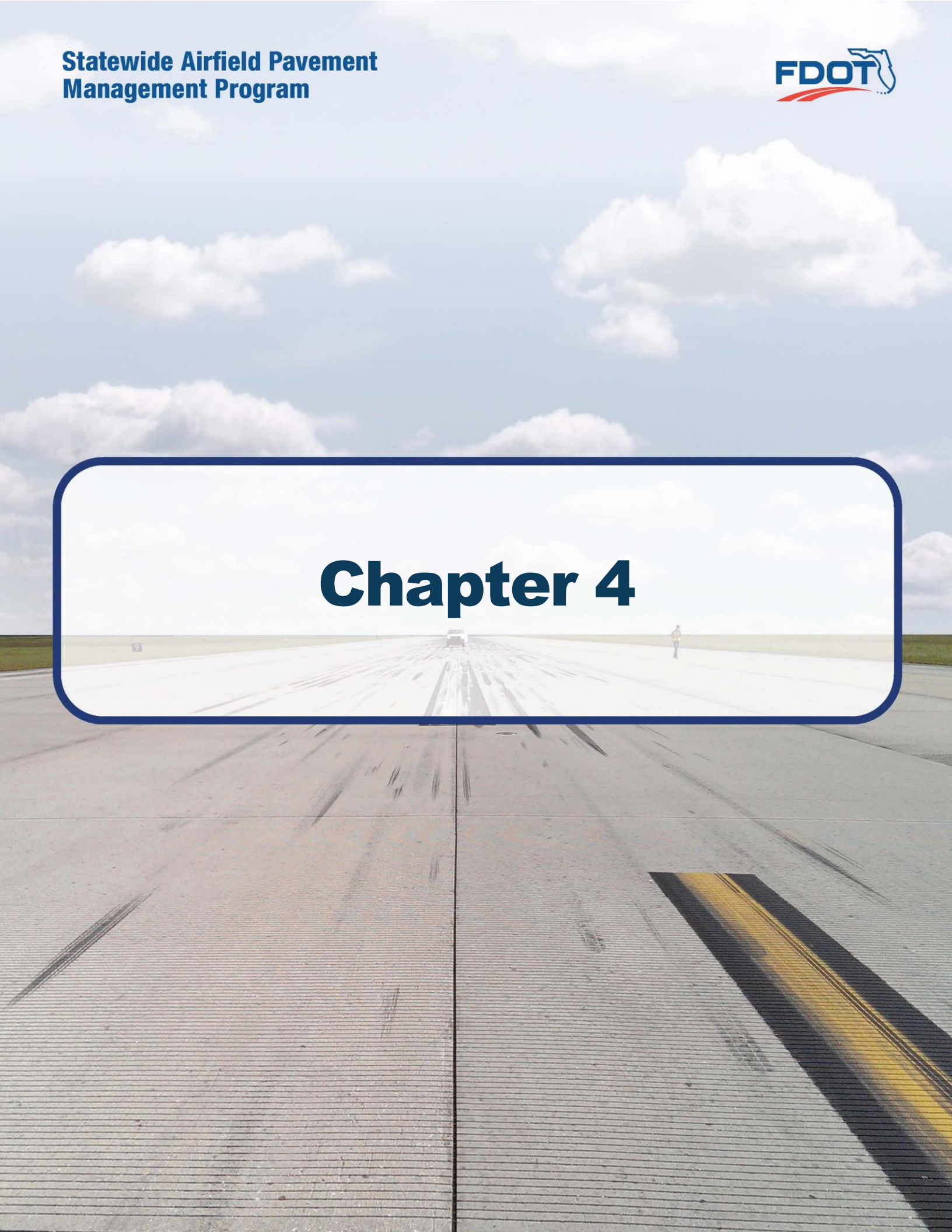


Network ID	Branch Name	Branch ID	Branch Use	Section ID	Length (FT)	Width (FT)	Area (SF)	Surface Type	Est. Last Construction Date
TIX	RUNWAY 18-36	RW 18-36	RUNWAY	6105	5,000	100	500,000	AAC	6/1/2002
TIX	RUNWAY 18-36	RW 18-36	RUNWAY	6110	10,000	25	250,000	AAC	6/1/2002
TIX	RUNWAY 18-36	RW 18-36	RUNWAY	6125	1,000	100	100,000	AAC	6/1/2002
TIX	RUNWAY 18-36	RW 18-36	RUNWAY	6130	2,000	25	50,000	AAC	6/1/2002
TIX	RUNWAY 18-36	RW 18-36	RUNWAY	6145	1,319	100	131,900	AAC	6/1/2002
TIX	RUNWAY 18-36	RW 18-36	RUNWAY	6150	2,600	25	65,950	AAC	6/1/2002
TIX	RUNWAY 9-27	RW 9-27	RUNWAY	6205	1,650	100	169,743	AAC	1/1/1998
TIX	RUNWAY 9-27	RW 9-27	RUNWAY	6210	3,200	100	320,000	AAC	1/1/1998
TIX	TAXIWAY A	TW A	TAXIWAY	105	2,200	50	114,651	AAC	6/1/2002
TIX	TAXIWAY A	TW A	TAXIWAY	110	1,400	50	70,000	AAC	6/1/2002
TIX	TAXIWAY A	TW A	TAXIWAY	112	600	50	30,000	AAC	6/1/2002
TIX	TAXIWAY A	TW A	TAXIWAY	115	1,000	50	50,000	AAC	6/1/2002
TIX	TAXIWAY A	TW A	TAXIWAY	120	1,800	50	90,638	AAC	6/1/2002
TIX	TAXIWAY A2	TW A2	TAXIWAY	125	600	500	35,137	AAC	6/1/2002
TIX	TAXIWAY B	TW B	TAXIWAY	205	400	50	22,146	AAC	6/1/2002
TIX	TAXIWAY B	TW B	TAXIWAY	210	4,600	50	234,359	AAC	1/1/2013
TIX	TAXIWAY C	TW C	TAXIWAY	305	700	65	46,879	AAC	1/1/2004
TIX	TAXIWAY C	TW C	TAXIWAY	310	2,300	50	116,660	AAC	1/1/1986
TIX	TAXIWAY C	TW C	TAXIWAY	315	600	50	32,856	AAC	1/1/2013
TIX	TAXIWAY D	TW D	TAXIWAY	404	400	50	26,461	AAC	1/1/2000
TIX	TAXIWAY D	TW D	TAXIWAY	408	150	50	7,500	AAC	1/1/2000
TIX	TAXIWAY D	TW D	TAXIWAY	410	1,450	50	73,750	AAC	1/1/2000
TIX	TAXIWAY E	TW E	TAXIWAY	505	600	50	32,371	AAC	1/1/1998
TIX	TAXIWAY E	TW E	TAXIWAY	515	2,640	50	113,522	AAC	1/1/2003
TIX	TAXIWAY E	TW E	TAXIWAY	525	100	85	8,165	AC	1/1/2014
TIX	TAXIWAY F	TW F	TAXIWAY	605	580	50	30,388	AAC	1/1/1998



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Chapter 4





Chapter 4 – Airfield Pavement Condition

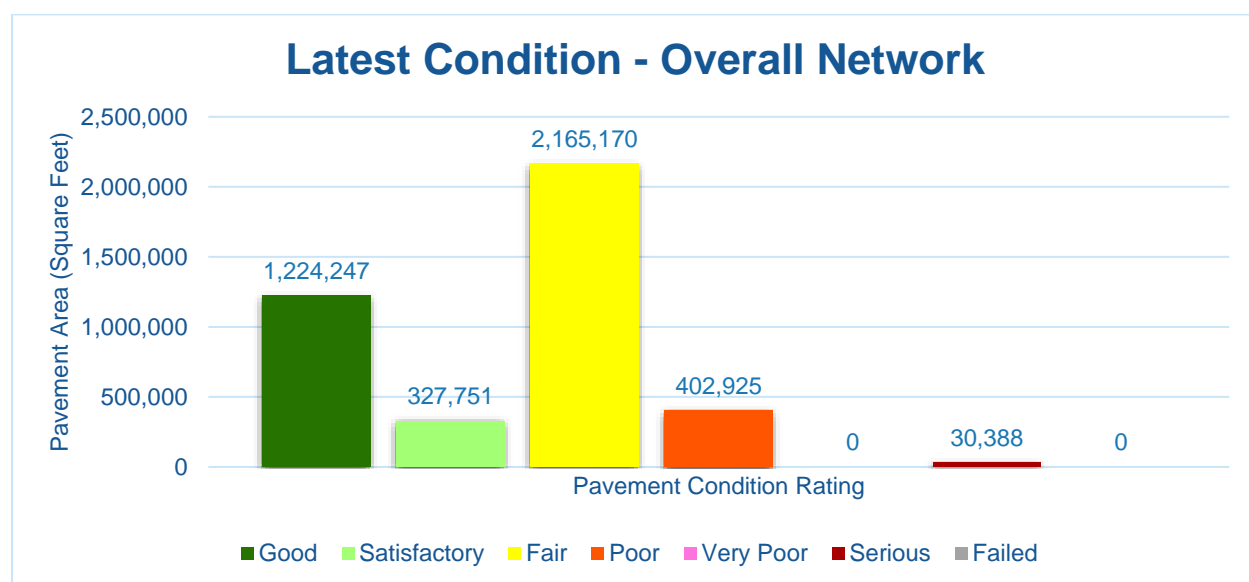
The examination of specific distress types (with causes attributed to load, climate, or other defined distress mechanism), determination of the severity of distress, and determination of the quantity of distress manifestation are required in the computation of a PCI value. The PCI provides valuable information that can be used to determine the existing condition of the pavement, possible cause of the pavement deterioration, and eventually aid in the planning of the rehabilitation of pavements. It should be noted that the PCI method of pavement condition evaluation is strictly a visual and functional evaluation. Further evaluation of the pavement condition may be necessary for design and/or project-level determination of pavement rehabilitation.

4.1 Airfield Pavement Condition Index (Latest Inspection)

4.1.1 Network-Level Analysis

The following **Figure 4.1.1** summarizes the network-level pavement condition analysis based on the most recent PCI Survey inspection results.

Figure 4.1.1 Latest Condition – Overall Network



4.1.2 Branch-Level Analysis

The following **Figures 4.1.2 (a) through (c)** summarize the branch-level pavement condition analysis based on the most recent PCI Survey inspection results; the following Figures provide overall branch-level conditions by branch use.



Figure 4.1.2 (a) Latest Condition – Runway Pavements

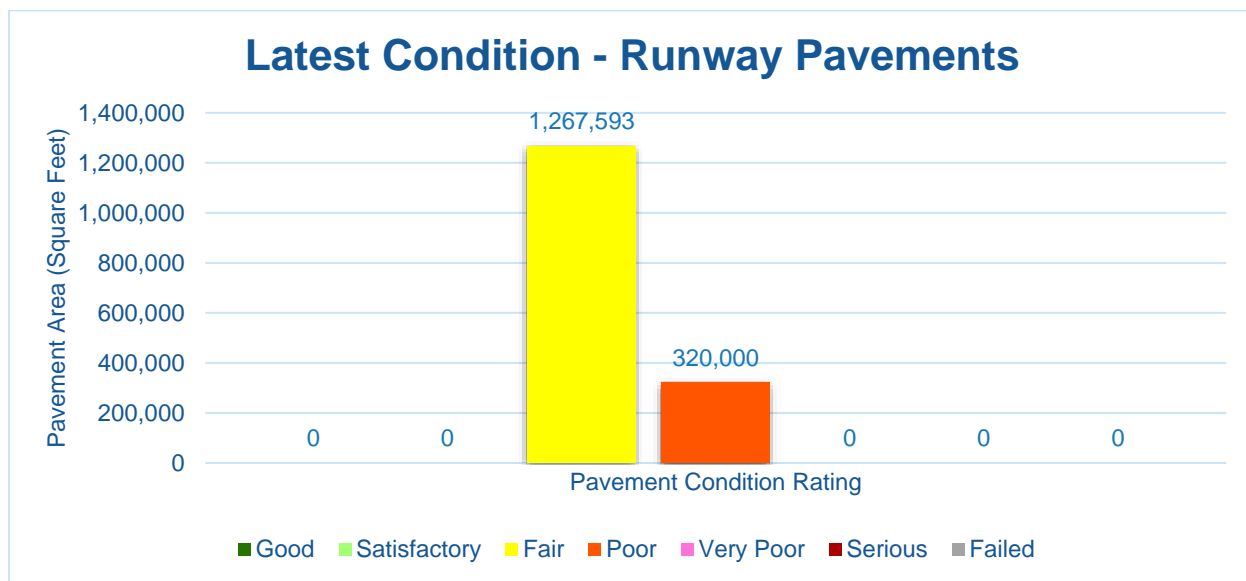


Figure 4.1.2 (b) Latest Condition – Taxiway Pavements

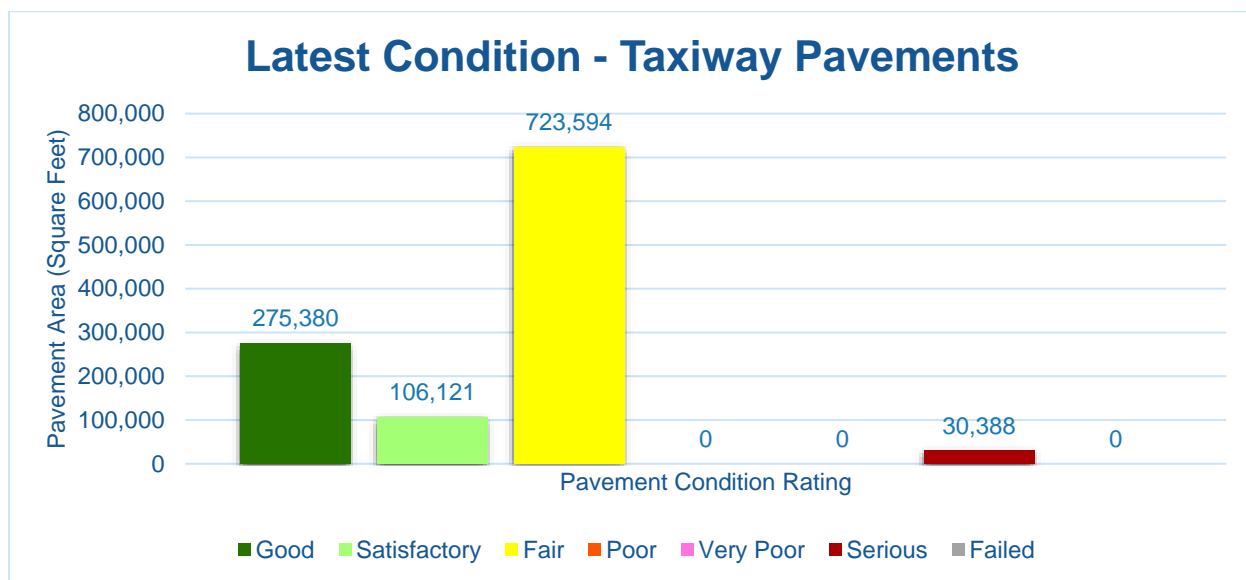
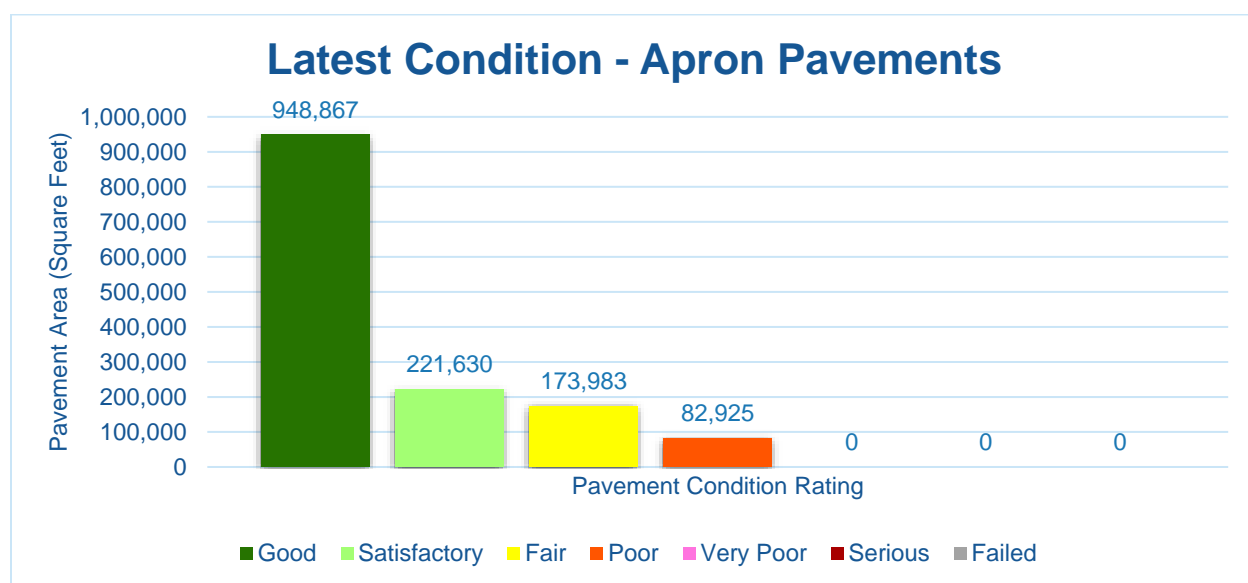




Figure 4.1.2 (c) Latest Condition – Apron Pavements



4.1.3 Section-Level Analysis

The following **Table 4.1.3** provides details for each pavement section of its area-weighted average PCI and the percent of distress which is related to load, climate, or other factors. The amount of distress attributed to the various causes provides insight into maintenance, repair, and rehabilitation needs. Load-related distress indicates that pavements are reaching the end of their structural design life, and for those pavements exhibiting a significant amount of these distress types, rehabilitation should be planned to strengthen or reconstruct the pavement.

Appendix C Technical Exhibits provides a technical exhibit that graphically depicts the PCI values and ratings determined from this SAPMP System Update.

Any pavement facilities subject to pavement construction within the past 2 years or anticipated for construction within the next year may have been omitted from inspection. Pavement subject to major rehabilitation will be set to a PCI of 100.



Table 4.1.3 Latest Pavement Condition Index Summary

Network ID	Branch ID	Branch Name	Branch Use	Section ID	Area (SF)	Surface	PCI	PCI Rating	PCI % Climate	PCI % Load	PCI % Other	Sample Units Inspected	Total Sample Units in Section
TIX	AP E	EAST APRON	APRON	4205	101,014	AAC	62	Fair	98%	0%	2%	3	20
TIX	AP E	EAST APRON	APRON	4211	3,845	AAC	67	Fair	100%	0%	0%	1	1
TIX	AP E	EAST APRON	APRON	4214	52,187	APC	56	Fair	100%	0%	0%	2	13
TIX	AP E	EAST APRON	APRON	4215	82,925	AC	45	Poor	81%	0%	19%	3	19
TIX	AP E	EAST APRON	APRON	4216	48,836	AAC	82	Satisfactory	100%	0%	0%	1	9
TIX	AP E	EAST APRON	APRON	4218	95,344	AAC	80	Satisfactory	100%	0%	0%	3	18
TIX	AP E	EAST APRON	APRON	4219	8,237	AAC	56	Fair	100%	0%	0%	1	2
TIX	AP E	EAST APRON	APRON	4220	8,168	AAC	83	Satisfactory	100%	0%	0%	1	2
TIX	AP E	EAST APRON	APRON	4221	5,405	AC	71	Satisfactory	100%	0%	0%	1	1
TIX	AP E	EAST APRON	APRON	4225	8,700	PCC	69	Fair	0%	85%	15%	1	2
TIX	AP E	EAST APRON	APRON	4226	6,677	AAC	72	Satisfactory	100%	0%	0%	1	2
TIX	AP E	EAST APRON	APRON	4227	6,560	AAC	89	Good	100%	0%	0%	1	2
TIX	AP E	EAST APRON	APRON	4228	11,100	AAC	89	Good	100%	0%	0%	1	3
TIX	AP E	EAST APRON	APRON	4229	16,315	AC	88	Good	100%	0%	0%	1	3
TIX	AP E	EAST APRON	APRON	4230	9,576	PCC	77	Satisfactory	0%	80%	20%	1	5
TIX	AP E	EAST APRON	APRON	4232	9,960	AAC	79	Satisfactory	100%	0%	0%	1	3
TIX	AP E	EAST APRON	APRON	4235	93,090	PCC	99	Good	0%	0%	100%	3	22
TIX	AP E	EAST APRON	APRON	4240	7,020	AAC	91	Good	100%	0%	0%	1	2
TIX	AP E	EAST APRON	APRON	4241	8,553	AAC	91	Good	100%	0%	0%	1	3
TIX	AP E	EAST APRON	APRON	4245	7,200	AC	71	Satisfactory	100%	0%	0%	1	2
TIX	AP E	EAST APRON	APRON	4250	38,220	PCC	95	Good	0%	0%	100%	2	12
TIX	AP HELI	HELICOPTER APRON	APRON	4255	32,798	AC	90	Good	100%	0%	0%	1	5
TIX	AP HELI	HELICOPTER APRON	APRON	4260	364,740	PCC	97	Good	0%	0%	100%	10	97
TIX	AP W	WEST APRON	APRON	4305	370,471	PCC	99	Good	0%	0%	100%	9	88
TIX	AP W	WEST APRON	APRON	4310	30,464	AAC	72	Satisfactory	100%	0%	0%	1	9
TIX	RW 18-36	RUNWAY 18-36	RUNWAY	6105	500,000	AAC	62	Fair	99%	0%	1%	20	100
TIX	RW 18-36	RUNWAY 18-36	RUNWAY	6110	250,000	AAC	57	Fair	98%	0%	2%	10	50
TIX	RW 18-36	RUNWAY 18-36	RUNWAY	6125	100,000	AAC	62	Fair	98%	0%	2%	5	20
TIX	RW 18-36	RUNWAY 18-36	RUNWAY	6130	50,000	AAC	60	Fair	97%	0%	3%	2	10
TIX	RW 18-36	RUNWAY 18-36	RUNWAY	6145	131,900	AAC	65	Fair	97%	0%	3%	5	26
TIX	RW 18-36	RUNWAY 18-36	RUNWAY	6150	65,950	AAC	64	Fair	98%	0%	2%	3	14
TIX	RW 9-27	RUNWAY 9-27	RUNWAY	6205	169,743	AAC	63	Fair	98%	0%	2%	7	34
TIX	RW 9-27	RUNWAY 9-27	RUNWAY	6210	320,000	AAC	53	Poor	74%	0%	26%	13	64
TIX	TW A	TAXIWAY A	TAXIWAY	105	114,651	AAC	68	Fair	96%	0%	4%	4	22
TIX	TW A	TAXIWAY A	TAXIWAY	110	70,000	AAC	66	Fair	100%	0%	0%	3	14
TIX	TW A	TAXIWAY A	TAXIWAY	112	30,000	AAC	67	Fair	100%	0%	0%	2	6
TIX	TW A	TAXIWAY A	TAXIWAY	115	50,000	AAC	67	Fair	98%	0%	2%	2	10



Network ID	Branch ID	Branch Name	Branch Use	Section ID	Area (SF)	Surface	PCI	PCI Rating	PCI % Climate	PCI % Load	PCI % Other	Sample Units Inspected	Total Sample Units in Section
TIX	TW A	TAXIWAY A	TAXIWAY	120	90,638	AAC	65	Fair	96%	0%	4%	3	17
TIX	TW A2	TAXIWAY A2	TAXIWAY	125	35,137	AAC	65	Fair	97%	0%	3%	2	7
TIX	TW B	TAXIWAY B	TAXIWAY	205	22,146	AAC	57	Fair	100%	0%	0%	1	4
TIX	TW B	TAXIWAY B	TAXIWAY	210	234,359	AAC	89	Good	91%	0%	9%	7	47
TIX	TW C	TAXIWAY C	TAXIWAY	305	46,879	AAC	68	Fair	96%	0%	4%	2	9
TIX	TW C	TAXIWAY C	TAXIWAY	310	116,660	AAC	63	Fair	100%	0%	0%	4	24
TIX	TW C	TAXIWAY C	TAXIWAY	315	32,856	AAC	88	Good	92%	0%	8%	2	7
TIX	TW D	TAXIWAY D	TAXIWAY	404	26,461	AAC	65	Fair	100%	0%	0%	1	5
TIX	TW D	TAXIWAY D	TAXIWAY	408	7,500	AAC	65	Fair	100%	0%	0%	2	2
TIX	TW D	TAXIWAY D	TAXIWAY	410	73,750	AAC	75	Satisfactory	100%	0%	0%	3	15
TIX	TW E	TAXIWAY E	TAXIWAY	505	32,371	AAC	72	Satisfactory	100%	0%	0%	2	6
TIX	TW E	TAXIWAY E	TAXIWAY	515	113,522	AAC	70	Fair	97%	0%	3%	5	27
TIX	TW E	TAXIWAY E	TAXIWAY	525	8,165	AC	94	Good	100%	0%	0%	1	2
TIX	TW F	TAXIWAY F	TAXIWAY	605	30,388	AAC	14	Serious	73%	27%	0%	2	6

Figure 4.1.3 2019 Airfield Pavement Condition Index Exhibit





4.2 Summary of Pavement Condition Evaluation Results

4.2.1 Network-Level Observations

The field PCI Survey performed at Space Coast Regional Airport (TIX) was completed in March 2019. The resulting overall area-weighted average PCI value was 72 representing a condition rating of Satisfactory. Space Coast Regional Airport is serviced by two runways; Runway 9-27 is 100-ft wide and 5,000-ft long and Runway 18-36 is 150-ft wide and 7,319-ft long.

Based on the FAA 5010 Report as of 09/12/2019 the Airport has reported 87,332 operations for 12 months ending 12/31/2018.

4.2.2 Branch-Level Observations

The following branch-level observations are intended to be an overall summary of select pavement facilities identified during the PCI Survey; further detail at the section and sample-level may be referenced for all pavements assessed as part of this System Update. The branch-level observations discussed are limited to select branches based on use and condition.

Runway 18-36

Runway 18-36 consists of 6 sections constructed of AAC. The last construction year for Runway 18-36 was 2002. The area-weighted average PCI for Runway 18-36 is 61 representing a Fair condition rating. The pavement distresses observed were related to Climate and Other distress classifications. Distresses observed on Runway 18-36 consist of Longitudinal & Transverse Cracking, Patching, Raveling, Swelling, and Weathering.

Runway 9-27

Runway 9-27 consists of 2 sections constructed of AAC. The last construction year for Runway 9-27 was 1998. The area-weighted average PCI for Runway 9-27 is 56 representing a Fair condition rating. The pavement distresses observed were related to Climate and Other distress classifications. Distresses observed on Runway 9-27 consist of Block Cracking, Longitudinal & Transverse Cracking, Raveling, Swelling, and Weathering.

Taxiway A

Taxiway A consists of 5 sections constructed of AAC. The last construction year for Taxiway A was 2002. The area-weighted average PCI for Taxiway A is 66 representing a Fair condition rating. The pavement distresses observed were related to Climate and Other distress classifications. Distresses observed on Taxiway A consist of Block Cracking, Longitudinal & Transverse Cracking, Patching, Raveling, Swelling, and Weathering.

Taxiway C

Taxiway C consists of 3 sections constructed of AAC. The last construction years range from 1986 to 2013. The area-weighted average PCI for Taxiway C is 68 representing a Fair condition rating. The pavement distresses observed were related to Climate and Other distress classifications. Distresses observed on Taxiway C consist of Longitudinal & Transverse Cracking, Patching, Raveling, Swelling, and Weathering.



Taxiway F

Taxiway F consists of 1 section constructed of AAC. The last construction year for Taxiway F was 1998. The area-weighted average PCI for Taxiway F is 14 representing a Serious condition rating. The pavement distresses observed were related to Climate and Load distress classifications. Distresses observed on Taxiway F consist of Alligator Cracking, Block Cracking, Patching, and Raveling.

East Apron

The East Apron consists of 21 sections constructed of AC, AAC, APC, and PCC. The last construction years range from 1971 to 2015. The area-weighted average PCI for East Apron is 74 representing a Satisfactory condition rating. The pavement distresses observed were related to Climate, Load, and Other distress classifications. Distresses observed on East Apron consist of Block Cracking, Joint Reflection Cracking, Longitudinal & Transverse Cracking, Patching, Raveling, Swelling, Weathering, Linear Cracking, Small Patch, Faulting, Shattered Slab, and Shrinkage Cracking.

Figure 4.2.2 Pavement Condition Summary by Facility Use

Facility Use	Area-Weighted Average PCI	Condition Rating
Runway	59	Fair
Taxiway	71	Satisfactory
Apron	86	Good



4.3 Forecasted Pavement Conditions

4.3.1 Performance Models and Prediction Curves

Pavement Performance Models are developed from the distress data and historic construction records collected for the SAPMP. This data is consolidated in a database and organized by inspection/construction date, pavement type, age, and pavement use. The pavement Performance Models are used to develop broad Prediction Curves, alternatively known as deterioration curves or family curves. These Prediction Curves are utilized to develop forecasted PCI values based on historic trends and statistical models.

4.3.2 Branch-Level Pavement Condition Forecast

The following **Figures 4.3.2 (a) through (c)** depict the branch-level pavement condition forecast by Branch Use (Runway, Taxiway, and/or Apron). The forecasted conditions are for a 10-year duration starting in January 2020 through January 2029.

Figure 4.3.2 (a) Forecasted Runway Pavement Performance

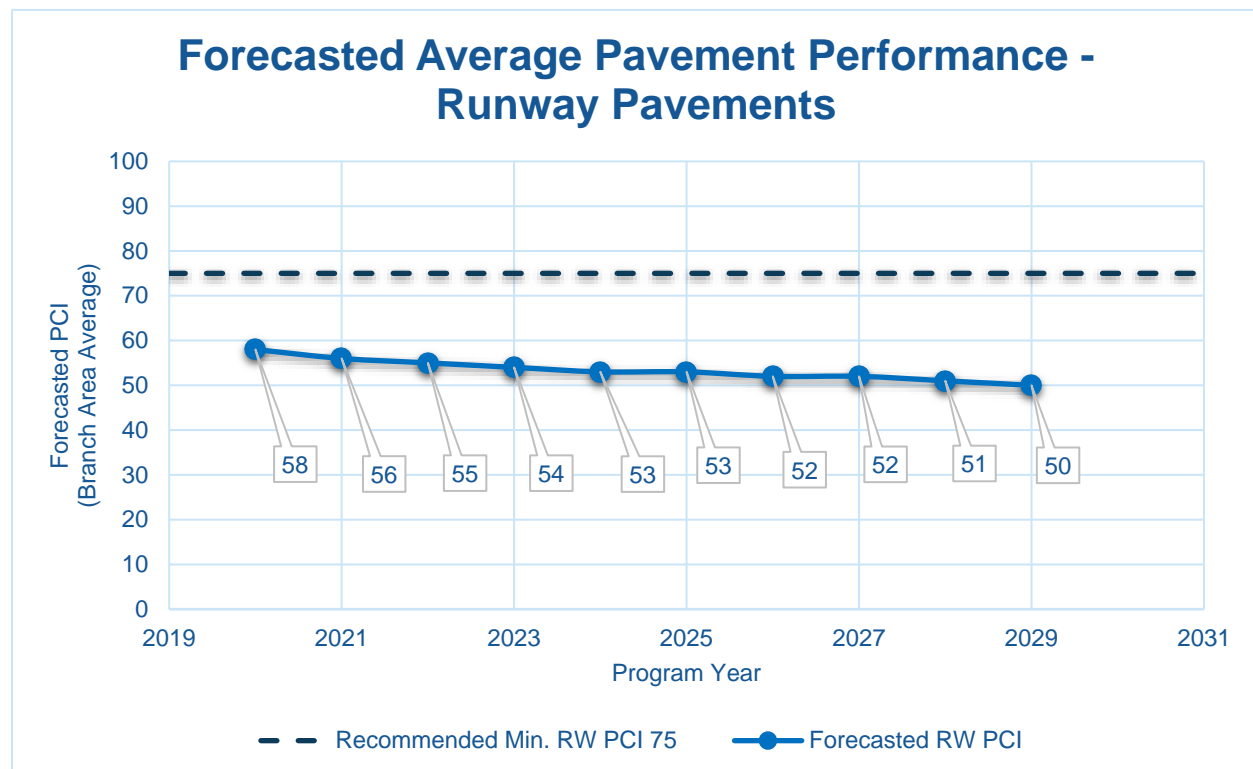




Figure 4.3.2 (b) Forecasted Taxiway Pavement Performance

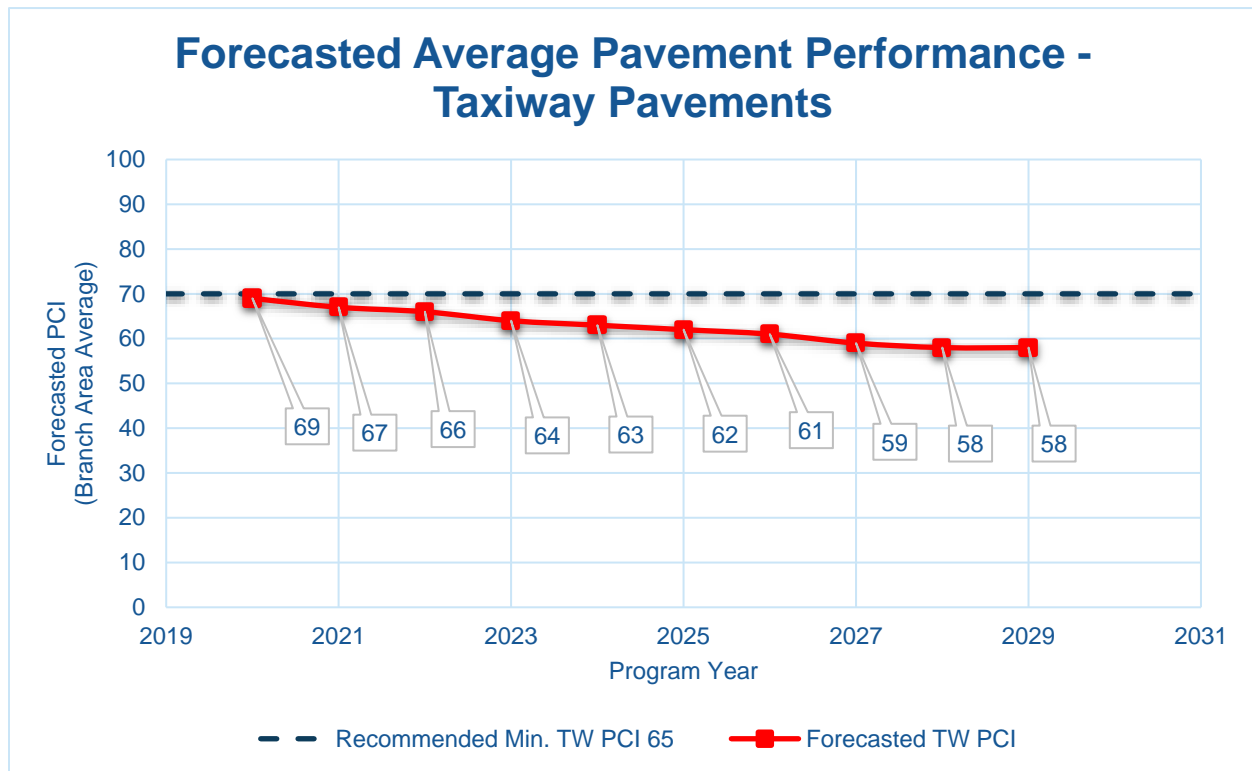
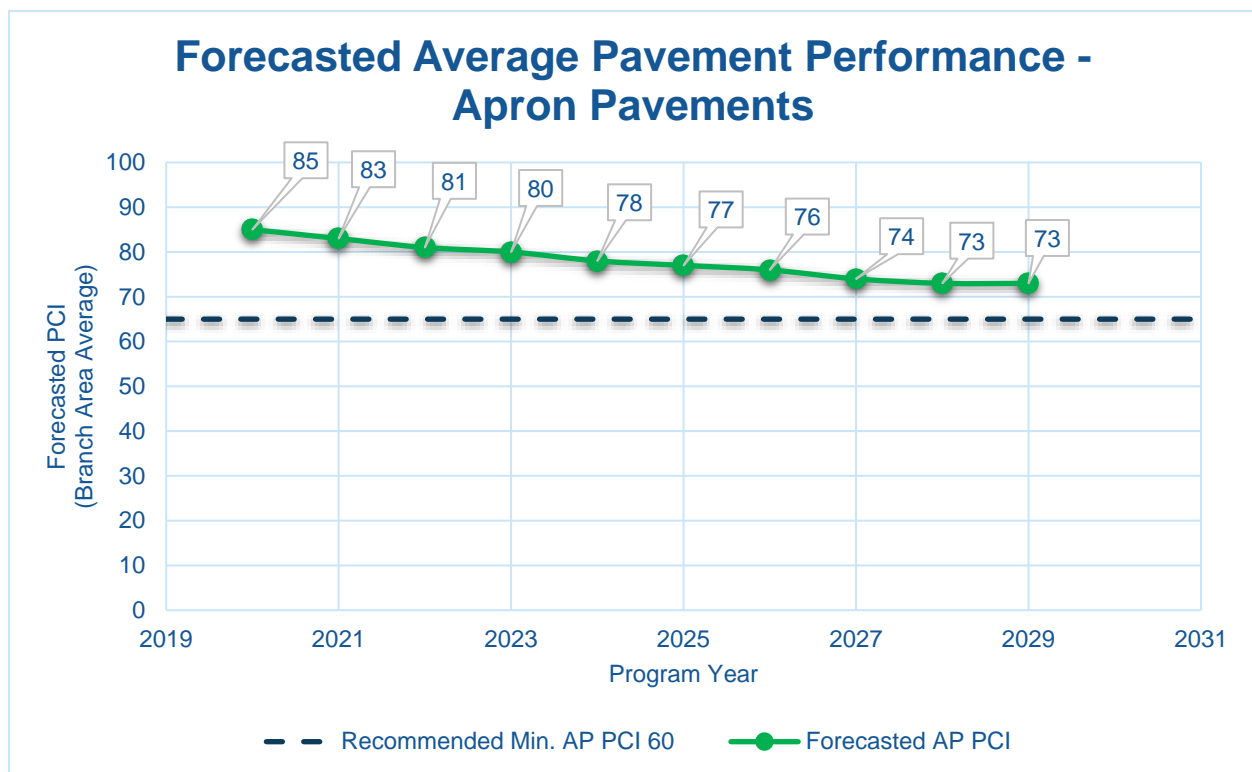


Figure 4.3.2 (c) Forecasted Apron Pavement Performance





4.3.3 Section-Level Pavement Condition Forecast

The following **Table 4.3.3** provides detail to the forecasted PCI values for each section inspected. Please note the forecasted Branch- and Section-Level PCI's are for planning purposes and are subject to the sensitivities in changes in traffic and maintenance frequency. Airport staff should perform annual visual condition assessments to maintain recent understanding of pavement conditions.



Table 4.3.3 Forecasted PCI 2020-2029

Network ID	Branch ID	Section ID	Last PCI	Forecasted PCI									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
TIX	AP E	4205	62	61	60	60	60	60	60	60	60	59	58
TIX	AP E	4211	67	65	63	62	61	61	60	60	60	60	60
TIX	AP E	4214	56	54	51	48	44	40	36	32	28	26	25
TIX	AP E	4215	45	43	42	40	38	37	35	34	32	31	29
TIX	AP E	4216	82	79	76	74	71	69	67	65	63	62	61
TIX	AP E	4218	80	77	75	72	70	67	65	64	63	62	61
TIX	AP E	4219	56	54	51	48	44	40	36	32	28	26	25
TIX	AP E	4220	83	80	77	75	72	70	68	66	64	63	62
TIX	AP E	4221	71	69	68	66	64	63	61	60	58	57	55
TIX	AP E	4225	69	67	66	64	62	61	59	57	55	53	52
TIX	AP E	4226	72	70	67	65	64	63	62	61	60	60	60
TIX	AP E	4227	89	86	83	80	78	75	72	70	68	66	64
TIX	AP E	4228	89	86	83	80	78	75	72	70	68	66	64
TIX	AP E	4229	88	86	85	83	81	80	78	77	75	74	72
TIX	AP E	4230	77	76	74	73	72	70	69	68	66	64	63
TIX	AP E	4232	79	76	74	71	69	67	65	63	62	61	61
TIX	AP E	4235	99	97	95	93	92	90	89	88	87	86	86
TIX	AP E	4240	91	88	85	82	80	77	74	72	69	67	65
TIX	AP E	4241	91	88	85	82	80	77	74	72	69	67	65
TIX	AP E	4245	71	69	68	66	64	63	61	60	58	57	55
TIX	AP E	4250	95	93	92	90	89	88	87	86	86	85	84
TIX	AP HELI	4255	90	88	87	85	83	82	80	79	77	76	74
TIX	AP HELI	4260	97	95	93	92	90	89	88	87	87	86	85
TIX	AP W	4305	99	97	95	93	92	90	89	88	87	86	86
TIX	AP W	4310	72	70	67	65	64	63	62	61	60	60	60



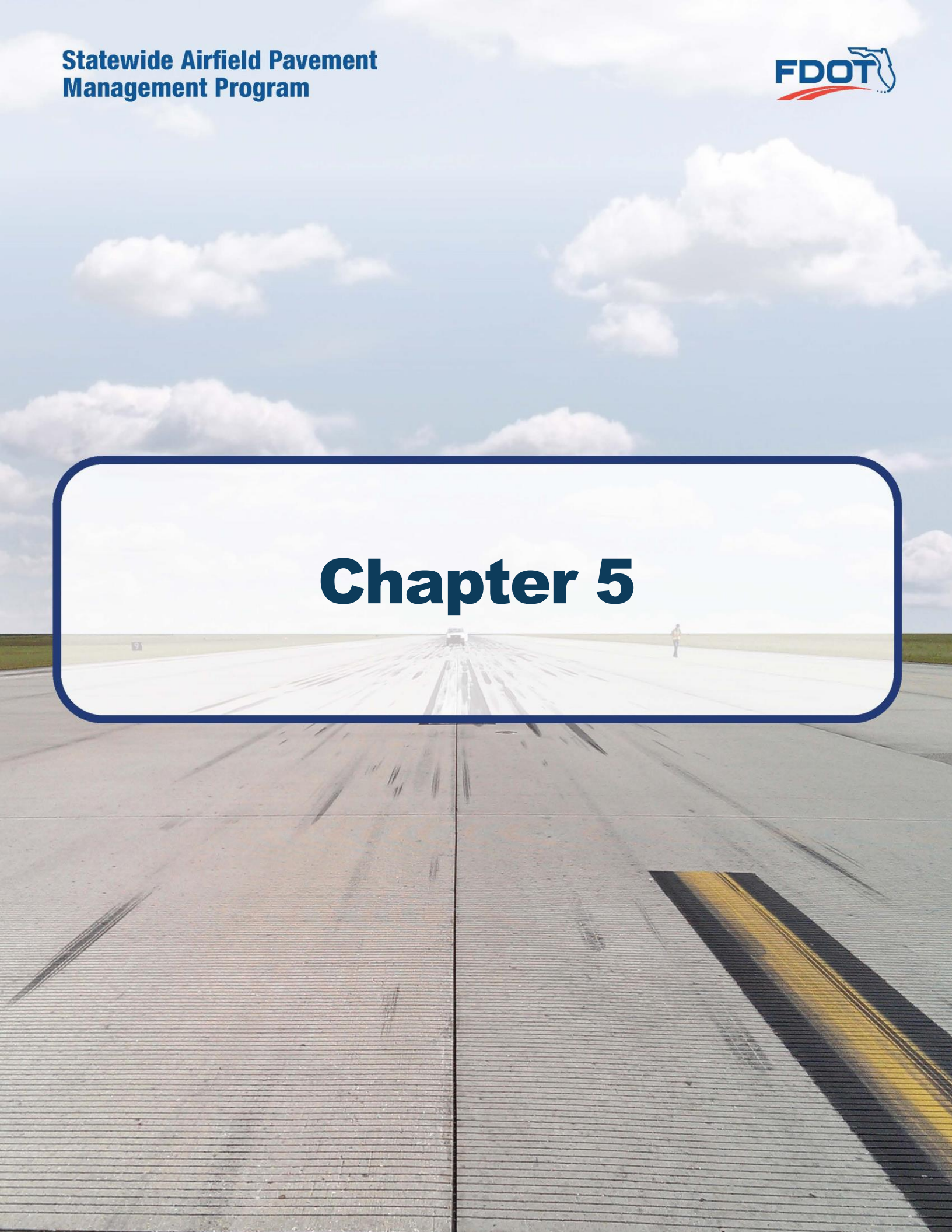
Network ID	Branch ID	Section ID	Last PCI	Forecasted PCI									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
TIX	RW 18-36	6105	62	59	57	56	55	54	54	54	53	52	51
TIX	RW 18-36	6110	57	55	54	54	54	54	52	52	51	51	50
TIX	RW 18-36	6125	62	59	57	56	55	54	54	54	53	52	51
TIX	RW 18-36	6130	60	58	56	55	54	54	54	53	52	52	51
TIX	RW 18-36	6145	65	62	60	57	56	55	54	54	54	53	52
TIX	RW 18-36	6150	64	61	59	57	55	54	54	54	54	52	52
TIX	RW 9-27	6205	63	60	58	56	55	54	54	54	53	52	51
TIX	RW 9-27	6210	53	52	51	51	50	50	49	48	48	47	47
TIX	TW A	105	68	66	65	63	62	61	60	59	58	57	57
TIX	TW A	110	66	64	63	62	61	60	59	58	57	56	56
TIX	TW A	112	67	65	64	63	61	60	59	58	58	57	56
TIX	TW A	115	67	65	64	63	61	60	59	58	58	57	56
TIX	TW A	120	65	63	62	61	60	59	58	57	57	56	55
TIX	TW A2	125	65	63	62	61	60	59	58	57	57	56	55
TIX	TW B	205	57	56	55	55	54	53	53	52	52	51	51
TIX	TW B	210	89	86	84	82	79	77	75	73	71	69	68
TIX	TW C	305	68	66	65	63	62	61	60	59	58	57	57
TIX	TW C	310	63	62	60	59	58	58	57	56	55	55	54
TIX	TW C	315	88	85	83	81	78	76	74	72	71	69	67
TIX	TW D	404	65	63	62	61	60	59	58	57	57	56	55
TIX	TW D	408	65	63	62	61	60	59	58	57	57	56	55
TIX	TW D	410	75	73	71	69	68	66	65	63	62	61	60
TIX	TW E	505	72	70	68	67	65	64	63	61	60	59	58
TIX	TW E	515	70	68	67	65	64	62	61	60	59	58	57
TIX	TW E	525	94	92	90	88	86	84	83	81	80	78	77
TIX	TW F	605	14	10	4	0	0	0	0	0	0	0	0



4.3.4 Forecasted PCI Considerations

As FDOT continues to update the SAPMP with future PCI Survey inspections and assembly of airfield pavement construction work history, the performance models will be further refined. With the refinement of additional PCI and work history data points, the forecasting of pavement conditions will continue to better reflect the performance trends of airfield pavements in the Florida Airports System. Forecasted or predicted pavement conditions for the airport are intended for planning purposes only. Design-level recommendations for pavement rehabilitation and/or reconstruction will require the appropriate application of the procedures defined in FAA **AC 150/5320-6F Airport Pavement Design and Evaluation** and **AC 150/5370-11B Use of Nondestructive Testing in the Evaluation of Airport Pavements** to determine structural and/or functional conditions at the time of project.

Chapter 5





Chapter 5 – Localized Maintenance and Repair Planning

General Maintenance and Rehabilitation (M&R) methods are characterized under three broad categories: localized maintenance and repair, global treatments, and major rehabilitation.

- **Localized Maintenance and Repair** includes patching and crack sealing.
- **Global Treatments** include surface seals and rejuvenators for flexible pavements.
- **Major Rehabilitation** includes overlays, significant slab replacement, and reconstruction.

This chapter discusses the FDOT SAPMP Localized Maintenance and Repair Planning approach. Proactive localized maintenance and repair, specifically preservation, is highly recommended to the airports. However, it is certainly recognized that once pavements have deteriorated below a certain condition, the facility would benefit from a more substantial rehabilitation in lieu of localized efforts. Chapter 6 Major Rehabilitation Planning discusses the addressing of pavements through timely rehabilitation once it has deteriorated below a critical PCI where localized repairs may not be as cost effective.

5.1 Localized Maintenance and Repair

Localized maintenance and repair is best applied as a conservation measure and is oftentimes applied to slow the rate of deterioration of distressed pavements; however, may be applied as a temporary corrective measure in isolated areas. Localized maintenance and repair can be applied either as a safety (“stopgap”) measure or preventive measure. Example distress types subject to localized preventive maintenance and repair may consist of low-severity longitudinal and transverse cracking and low-severity weathering. In many cases however, localized stopgap repair is applied as a safety measure to address high-severity distress manifestations when major rehabilitation is not funded for a given section with a PCI value below critical PCI. Some agencies may elect to define both types; preventative and stopgap, as localized maintenance.

Localized Stopgap/Safety Maintenance and Repair

Localized Stopgap or Safety Maintenance and Repair is defined as the localized distress repair needed to keep pavements operational in a safe condition. These activities are typically applied to high-severity distresses or distresses affecting operational activities. Typical pavement section PCIs will range from 0 to 65.

Localized Preventive Maintenance and Repair

Localized Preventive Maintenance and Repair is defined as distress maintenance activities performed with the primary objective of slowing the rate of deterioration. These activities typically include crack sealing and patching. Typical pavement section PCIs will be above 65.



5.2 Localized Maintenance and Repair Policy

The resulting Localized Maintenance and Repair recommendations are identified based on the policy defined in **Table 5.2 (a)** and **Table 5.2 (b)**, for flexible asphalt concrete and rigid Portland cement concrete pavements, respectively. The activities identified were based on the research of practical pavement treatments in consideration of the FAA **AC 150/5380-6C “Guidelines and Procedures for Maintenance of Airport Pavements”** and the **FDOT Airfield Pavement Distress Repair Manual**. Additionally, the **Engineering Technical Letter (ETL) 14-3: Preventive Maintenance Plan (PMP) for Airfield Pavements** was referenced for conservative application of pavement treatments. The Localized Maintenance and Repair Policy and associated planning-level unit costs were developed in consideration of a network-level analysis – it is strictly intended to provide a glimpse of the condition of the airport pavements with a limited PCI survey effort.

The developed Localized Maintenance and Repair Policy and associated planning-level unit costs were based on a statewide consideration of pavement treatments and review of state construction costs for both Airfield Pavements and from the FDOT Historical Cost Information archives. Furthermore, a consideration of limited repair quantities was factored in the determination of conservative planning-level unit costs. The identified Localized maintenance activities for both preventive and stopgap activities are based on a statewide network approach; project-specific evaluation and maintenance quantities should be developed prior to any construction.

Table 5.2 (a) Localized Maintenance and Repair – Flexible Asphalt Concrete

Distress	Severity	Description	Code	Work Type	Work Unit
41	Low	ALLIGATOR CR	FDOT-PA-AF	FDOT - PATCHING - AC FULL DEPTH	SqFt
41	Medium	ALLIGATOR CR	FDOT-PA-AF	FDOT - PATCHING - AC FULL DEPTH	SqFt
41	High	ALLIGATOR CR	FDOT-PA-AF	FDOT - PATCHING - AC FULL DEPTH	SqFt
42	N/A	BLEEDING	FDOT-MO-PV	FDOT - MONITOR	N/A
43	Low	BLOCK CR	FDOT-MO-PV	FDOT - MONITOR	N/A
43	Medium	BLOCK CR	FDOT-CS-AC	FDOT - CRACK SEALING - AC	Ft
43	High	BLOCK CR	FDOT-PA-AP	FDOT - PATCHING - AC PARTIAL DEPTH	SqFt
44	Low	CORRUGATION	FDOT-ML-AC	FDOT - MILLING - AC	SqFt
44	Medium	CORRUGATION	FDOT-ML-AC	FDOT - MILLING - AC	SqFt
44	High	CORRUGATION	FDOT-PA-AF	FDOT - PATCHING - AC FULL DEPTH	SqFt
45	Low	DEPRESSION	FDOT-PA-AF	FDOT - PATCHING - AC FULL DEPTH	SqFt
45	Medium	DEPRESSION	FDOT-PA-AF	FDOT - PATCHING - AC FULL DEPTH	SqFt
45	High	DEPRESSION	FDOT-PA-AF	FDOT - PATCHING - AC FULL DEPTH	SqFt
46	N/A	JET BLAST	FDOT-PA-AP	FDOT - PATCHING - AC PARTIAL DEPTH	SqFt
47	Low	JT REF. CR	FDOT-MO-PV	FDOT - MONITOR	N/A
47	Medium	JT REF. CR	FDOT-CS-AC	FDOT - CRACK SEALING - AC	Ft
47	High	JT REF. CR	FDOT-CS-AC	FDOT - CRACK SEALING - AC	Ft



Distress	Severity	Description	Code	Work Type	Work Unit
48	Low	L & T CR	FDOT-MO-PV	FDOT - MONITOR	N/A
48	Medium	L & T CR	FDOT-CS-AC	FDOT - CRACK SEALING - AC	Ft
48	High	L & T CR	FDOT-CS-AC	FDOT - CRACK SEALING - AC	Ft
49	N/A	OIL SPILLAGE	FDOT-PA-AP	FDOT - PATCHING - AC PARTIAL DEPTH	SqFt
50	Low	PATCHING	FDOT-MO-PV	FDOT - MONITOR	N/A
50	Medium	PATCHING	FDOT-PA-AF	FDOT - PATCHING - AC FULL DEPTH	SqFt
50	High	PATCHING	FDOT-PA-AF	FDOT - PATCHING - AC FULL DEPTH	SqFt
51	N/A	POLISHED AG	FDOT-SS-LO	FDOT - SURFACE SEAL	SqFt
52	Low	RAVELING	FDOT-SS-LO	FDOT - SURFACE SEAL	SqFt
52	Medium	RAVELING	FDOT-PA-AP	FDOT - PATCHING - AC PARTIAL DEPTH	SqFt
52	High	RAVELING	FDOT-PA-AP	FDOT - PATCHING - AC PARTIAL DEPTH	SqFt
53	Low	RUTTING	FDOT-MO-PV	FDOT - MONITOR	N/A
53	Medium	RUTTING	FDOT-PA-AF	FDOT - PATCHING - AC FULL DEPTH	SqFt
53	High	RUTTING	FDOT-PA-AF	FDOT - PATCHING - AC FULL DEPTH	SqFt
54	Low	SHOVING	FDOT-MO-PV	FDOT - MONITOR	N/A
54	Medium	SHOVING	FDOT-ML-AC	FDOT - MILLING - AC	SqFt
54	High	SHOVING	FDOT-PA-AF	FDOT - PATCHING - AC FULL DEPTH	SqFt
55	N/A	SLIPPAGE CR	FDOT-PA-AP	FDOT - PATCHING - AC PARTIAL DEPTH	SqFt
56	Low	SWELLING	FDOT-MO-PV	FDOT - MONITOR	N/A
56	Medium	SWELLING	FDOT-PA-AF	FDOT - PATCHING - AC FULL DEPTH	SqFt
56	High	SWELLING	FDOT-PA-AF	FDOT - PATCHING - AC FULL DEPTH	SqFt
57	Low	WEATHERING	FDOT-MO-PV	FDOT - MONITOR	N/A
57	Medium	WEATHERING	FDOT-SS-LO	FDOT - SURFACE SEAL	SqFt
57	High	WEATHERING	FDOT-PA-AP	FDOT - PATCHING - AC PARTIAL DEPTH	SqFt

Table 5.2 (b) Localized Maintenance and Repair – Rigid Portland Cement Concrete

Distress	Severity	Description	Code	Work Type	Work Unit
61	Low	BLOW-UP	FDOT-PA-PP	FDOT - PATCHING - PCC PARTIAL DEPTH	SqFt
61	Medium	BLOW-UP	FDOT-PA-PF	FDOT - PATCHING - PCC FULL DEPTH	SqFt
61	High	BLOW-UP	FDOT-SL-PC	FDOT - SLAB REPLACEMENT - PCC	SqFt
62	Low	CORNER BREAK	FDOT-CS-PC	FDOT - CRACK SEALING - PCC	Ft
62	Medium	CORNER BREAK	FDOT-PA-PF	FDOT - PATCHING - PCC FULL DEPTH	SqFt
62	High	CORNER BREAK	FDOT-PA-PF	FDOT - PATCHING - PCC FULL DEPTH	SqFt
63	Low	LINEAR CR	FDOT-MO-PV	FDOT - MONITOR	N/A
63	Medium	LINEAR CR	FDOT-CS-PC	FDOT - CRACK SEALING - PCC	Ft
63	High	LINEAR CR	FDOT-PA-PP	FDOT - PATCHING - PCC PARTIAL DEPTH	SqFt



Distress	Severity	Description	Code	Work Type	Work Unit
64	Low	DURABIL. CR	FDOT-MO-PV	FDOT - MONITOR	N/A
64	Medium	DURABIL. CR	FDOT-PA-PF	FDOT - PATCHING - PCC FULL DEPTH	SqFt
64	High	DURABIL. CR	FDOT-SL-PC	FDOT - SLAB REPLACEMENT - PCC	SqFt
65	Low	JT SEAL DMG	FDOT-JS-PC	FDOT - JOINT SEAL - PCC	Ft
65	Medium	JT SEAL DMG	FDOT-JS-PC	FDOT - JOINT SEAL - PCC	Ft
65	High	JT SEAL DMG	FDOT-JS-PC	FDOT - JOINT SEAL - PCC	Ft
66	Low	SMALL PATCH	FDOT-MO-PV	FDOT - MONITOR	N/A
66	Medium	SMALL PATCH	FDOT-PA-PP	FDOT - PATCHING - PCC PARTIAL DEPTH	SqFt
66	High	SMALL PATCH	FDOT-PA-PP	FDOT - PATCHING - PCC PARTIAL DEPTH	SqFt
67	Low	LARGE PATCH	FDOT-MO-PV	FDOT - MONITOR	N/A
67	Medium	LARGE PATCH	FDOT-PA-PF	FDOT - PATCHING - PCC FULL DEPTH	SqFt
67	High	LARGE PATCH	FDOT-PA-PF	FDOT - PATCHING - PCC FULL DEPTH	SqFt
68	N/A	POPOUTS	FDOT-PO-FL	FDOT - POPOUT FILLER	SqFt
69	N/A	PUMPING	FDOT-SB-PC	FDOT - SLAB STABILIZATION - PCC	SqFt
70	Low	SCALING	FDOT-MO-PV	FDOT - MONITOR	N/A
70	Medium	SCALING	FDOT-PA-PP	FDOT - PATCHING - PCC PARTIAL DEPTH	SqFt
70	High	SCALING	FDOT-SL-PC	FDOT - SLAB REPLACEMENT - PCC	SqFt
71	Low	FAULTING	FDOT-MO-PV	FDOT - MONITOR	N/A
71	Medium	FAULTING	FDOT-GR-PP	FDOT - GRINDING (LOCALIZED)	Ft
71	High	FAULTING	FDOT-GR-PP	FDOT - GRINDING (LOCALIZED)	Ft
72	Low	SHAT. SLAB	FDOT-CS-PC	FDOT - CRACK SEALING - PCC	Ft
72	Medium	SHAT. SLAB	FDOT-SL-PC	FDOT - SLAB REPLACEMENT - PCC	SqFt
72	High	SHAT. SLAB	FDOT-SL-PC	FDOT - SLAB REPLACEMENT - PCC	SqFt
73	N/A	SHRINKAGE CR	FDOT-MO-PV	FDOT - MONITOR	N/A
74	Low	JOINT SPALL	FDOT-CS-PC	FDOT - CRACK SEALING - PCC	Ft
74	Medium	JOINT SPALL	FDOT-PA-PP	FDOT - PATCHING - PCC PARTIAL DEPTH	SqFt
74	High	JOINT SPALL	FDOT-PA-PP	FDOT - PATCHING - PCC PARTIAL DEPTH	SqFt
75	Low	CORNER SPALL	FDOT-CS-PC	FDOT - CRACK SEALING - PCC	Ft
75	Medium	CORNER SPALL	FDOT-PA-PP	FDOT - PATCHING - PCC PARTIAL DEPTH	SqFt
75	High	CORNER SPALL	FDOT-PA-PP	FDOT - PATCHING - PCC PARTIAL DEPTH	SqFt
76	Low	ASR	FDOT-MO-PV	FDOT - MONITOR	N/A
76	Medium	ASR	FDOT-PA-PF	FDOT - PATCHING - PCC FULL DEPTH	SqFt
76	High	ASR	FDOT-SL-PC	FDOT - SLAB REPLACEMENT - PCC	SqFt



Table 5.2 (c) Localized Repair Planning-Level Unit Costs – Flexible Asphalt Concrete

Code	Name	Cost	Units
FDOT-SS-LO	FDOT - SURFACE SEAL	\$0.55	SqFt
FDOT-ML-AC	FDOT - MILLING - AC	\$2.00	SqFt
FDOT-GR-PP	FDOT - GRINDING (LOCALIZED)	\$2.00	Ft
FDOT-CS-AC	FDOT - CRACK SEALING - AC	\$3.00	Ft
FDOT-MO-PV	FDOT - MONITOR	\$0.00	SqFt
FDOT-PA-AF	FDOT - PATCHING - AC FULL DEPTH	\$12.50	SqFt
FDOT-PA-AP	FDOT - PATCHING - AC PARTIAL DEPTH	\$5.50	SqFt

Table 5.2 (d) Localized M&R Planning-Level Unit Costs – Rigid Portland Cement Concrete

Code	Name	Cost	Units
FDOT-PA-PF	FDOT - PATCHING - PCC FULL DEPTH	\$185.00	SqFt
FDOT-SL-PC	FDOT - SLAB REPLACEMENT - PCC	\$30.00	SqFt
FDOT-SB-PC	FDOT - SLAB STABILIZATION - PCC	\$30.00	SqFt
FDOT-PA-PP	FDOT - PATCHING - PCC PARTIAL DEPTH	\$72.00	SqFt
FDOT-PO-FL	FDOT - POPOUT FILLER	\$0.05	SqFt
FDOT-GR-PP	FDOT - GRINDING (LOCALIZED)	\$2.00	Ft
FDOT-CS-PC	FDOT - CRACK SEALING - PCC	\$4.25	Ft
FDOT-MO-PV	FDOT - MONITOR	\$0.00	N/A
FDOT-JS-PC	FDOT - JOINT SEAL - PCC	\$2.75	Ft

*PCC Patching (Full Depth and Partial Depth) consider high-early-strength and high-performing repair material.



5.3 Localized Maintenance and Repair Analysis and Recommendations

The SAPMP provides a planning-level estimation of Localized Maintenance and Repair based on the results of the latest PCI Survey Inspection performed at the airport. Based on the limited sample units inspected, a statistical extrapolation of distresses at the section level is used to estimate the quantities of recommended repair activities based on the policies defined in **5.2 Localized M&R Policy**. The PCI Survey Inspections did not consist of 100% inspection of all sample units; therefore, the section-level distress quantities used to estimate the Localized Maintenance and Repair needs are for conceptual planning purposes. The accuracy of the extrapolated distresses, and therefore work quantities, is subject to the amount of sample units inspected and the concentration of distress types observed in sample units. **Appendix B** provides the estimated Localized Maintenance and Repair based on this SAPMP's PCI Survey Inspection efforts. Localized Preventive Maintenance and Repair is typically applied to pavements that are in a condition at or above the Critical PCI of 65. Localized Stopgap Maintenance and Repair is typically applied to pavements that are below the Critical PCI of 65. It is recommended that airport staff evaluate the application of Localized Maintenance and Repair in concert with the planning of Major Rehabilitation efforts identified in Chapter 6 Major Rehabilitation Planning. Pavements with Stopgap recommendations that are subject to near-term Major Rehabilitation efforts may remove the need to perform localized maintenance efforts.

The following **Table 5.3 (a)** summarizes the anticipated Localized Maintenance and Repair efforts based on the PCI Survey Inspection efforts performed at this airport as part of this SAPMP System Update. The following table depicts planning-level costs rounded to the nearest ten dollars.

Table 5.3 (a) Summary of Airport Localized M&R Planning Cost and Quantity at Network Level

Work Description	Work Category	Rough Estimate of Work Quantity	Work Units	Planning Material Cost
FDOT - SURFACE SEAL	PREVENTIVE	502,400	SqFt	\$ 276,320.00
FDOT - CRACK SEALING - AC	PREVENTIVE	2,490	Ft	\$ 7,460.00
FDOT - PATCHING - AC PARTIAL DEPTH	PREVENTIVE	20	SqFt	\$ 90.00
FDOT - PATCHING - AC FULL DEPTH	PREVENTIVE	215	SqFt	\$ 2,650.00
FDOT - CRACK SEALING - PCC	PREVENTIVE	100	Ft	\$ 420.00
FDOT - PATCHING - PCC PARTIAL DEPTH	PREVENTIVE	30	SqFt	\$ 1,900.00
FDOT - SURFACE SEAL	STOPGAP	1,193,710	SqFt	\$ 656,550.00
FDOT - CRACK SEALING - AC	STOPGAP	38,885	Ft	\$ 116,650.00
FDOT - PATCHING - AC PARTIAL DEPTH	STOPGAP	77,005	SqFt	\$ 423,530.00
FDOT - PATCHING - AC FULL DEPTH	STOPGAP	1,405	SqFt	\$ 17,520.00



The following **Table 5.3 (b)** provides further breakdown of the anticipated planning-level cost at the section level for the pavements exhibiting distresses that would benefit from Localized M&R. The table shows the approximate improved “End Condition” of the section after the application of Localized M&R. The following table depicts planning-level costs rounded to the nearest ten dollars.

Table 5.3 (b) Summary of Airport Localized M&R Planning Cost and Quantity at Section Level

Network ID	Branch ID	Section ID	Area (SF)	Start Condition	End Condition	Cost
TIX	AP E	4205	101,014	62	67	\$ 14,760.00
TIX	AP E	4211	3,845	67	77	\$ 1,570.00
TIX	AP E	4214	52,187	56	66	\$ 17,900.00
TIX	AP E	4215	82,925	43	61	\$ 300,720.00
TIX	AP E	4216	48,836	82	92	\$ 6,720.00
TIX	AP E	4218	95,344	80	88	\$ 13,110.00
TIX	AP E	4219	8,237	56	61	\$ 2,510.00
TIX	AP E	4220	8,168	83	89	\$ 230.00
TIX	AP E	4221	5,405	71	83	\$ 890.00
TIX	AP E	4225	8,700	69	69	\$ 220.00
TIX	AP E	4226	6,677	72	75	\$ 40.00
TIX	AP E	4227	6,560	89	92	\$ 40.00
TIX	AP E	4228	11,100	89	91	\$ 70.00
TIX	AP E	4229	16,315	88	90	\$ 90.00
TIX	AP E	4230	9,576	77	77	\$ -
TIX	AP E	4232	9,960	79	83	\$ 110.00
TIX	AP E	4235	93,090	99	99	\$ -
TIX	AP E	4240	7,020	91	94	\$ 40.00
TIX	AP E	4241	8,553	91	94	\$ 50.00
TIX	AP E	4245	7,200	71	96	\$ 3,970.00
TIX	AP E	4250	38,220	95	95	\$ -
TIX	AP HELI	4255	32,798	90	90	\$ -
TIX	AP HELI	4260	364,740	97	97	\$ 2,110.00
TIX	AP W	4305	370,471	99	100	\$ -
TIX	AP W	4310	30,464	72	87	\$ 7,100.00
TIX	RW 18-36	6105	500,000	62	74	\$ 159,060.00
TIX	RW 18-36	6110	250,000	57	70	\$ 94,230.00
TIX	RW 18-36	6125	100,000	62	74	\$ 26,080.00
TIX	RW 18-36	6130	50,000	60	70	\$ 20,510.00
TIX	RW 18-36	6145	131,900	65	76	\$ 55,950.00
TIX	RW 18-36	6150	65,950	64	76	\$ 37,260.00
TIX	RW 9-27	6205	169,743	63	73	\$ 47,140.00



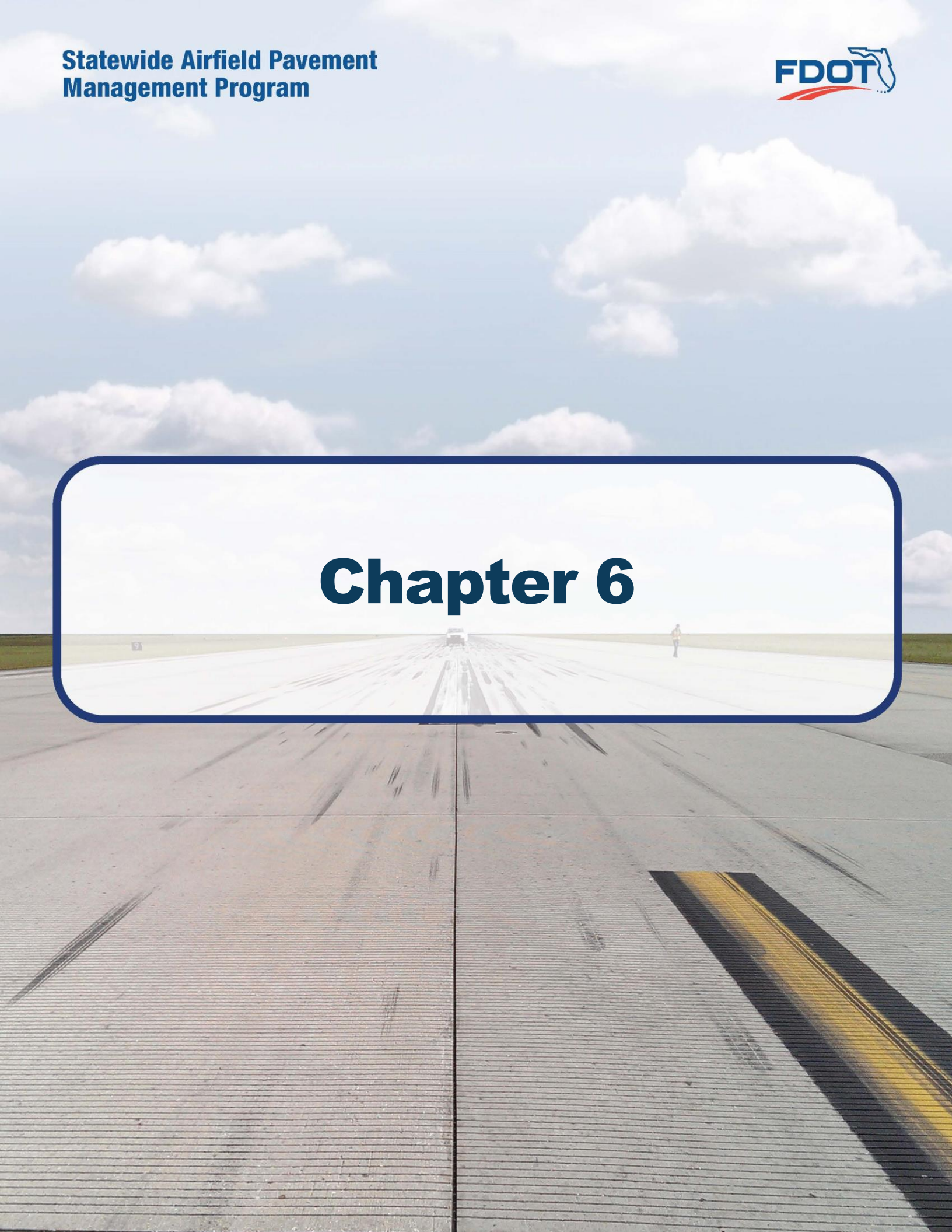
Network ID	Branch ID	Section ID	Area (SF)	Start Condition	End Condition	Cost
TIX	RW 9-27	6210	320,000	53	65	\$ 107,380.00
TIX	TW A	105	114,651	68	75	\$ 66,430.00
TIX	TW A	110	70,000	66	74	\$ 38,510.00
TIX	TW A	112	30,000	67	78	\$ 17,410.00
TIX	TW A	115	50,000	67	77	\$ 29,010.00
TIX	TW A	120	90,638	65	74	\$ 53,910.00
TIX	TW A2	125	35,137	65	78	\$ 14,220.00
TIX	TW B	205	22,146	57	67	\$ 12,190.00
TIX	TW B	210	234,359	89	89	\$ 190.00
TIX	TW C	305	46,879	68	79	\$ 20,540.00
TIX	TW C	310	116,660	63	77	\$ 66,590.00
TIX	TW C	315	32,856	88	88	\$ -
TIX	TW D	404	26,461	65	87	\$ 15,360.00
TIX	TW D	408	7,500	65	87	\$ 4,580.00
TIX	TW D	410	73,750	75	84	\$ 25,820.00
TIX	TW E	505	32,371	72	85	\$ 12,110.00
TIX	TW E	515	113,522	70	90	\$ 42,640.00
TIX	TW E	525	8,165	94	94	\$ -
TIX	TW F	605	30,388	14	52	\$ 164,190.00

The following **Table 5.3 (c)** provides a summary of the anticipated planning-level costs for Localized Preventive Maintenance and Repair and Localized Stopgap Maintenance and Repair. The following table depicts planning-level costs rounded to the nearest ten dollars.

Table 5.3 (c) Summary of Localized Maintenance

Work Category	Cost
Preventive	\$ 288,840.00
Stopgap	\$ 1,214,250.00
Planning-Level Localized M&R Needs =	\$ 1,503,090.00

Chapter 6



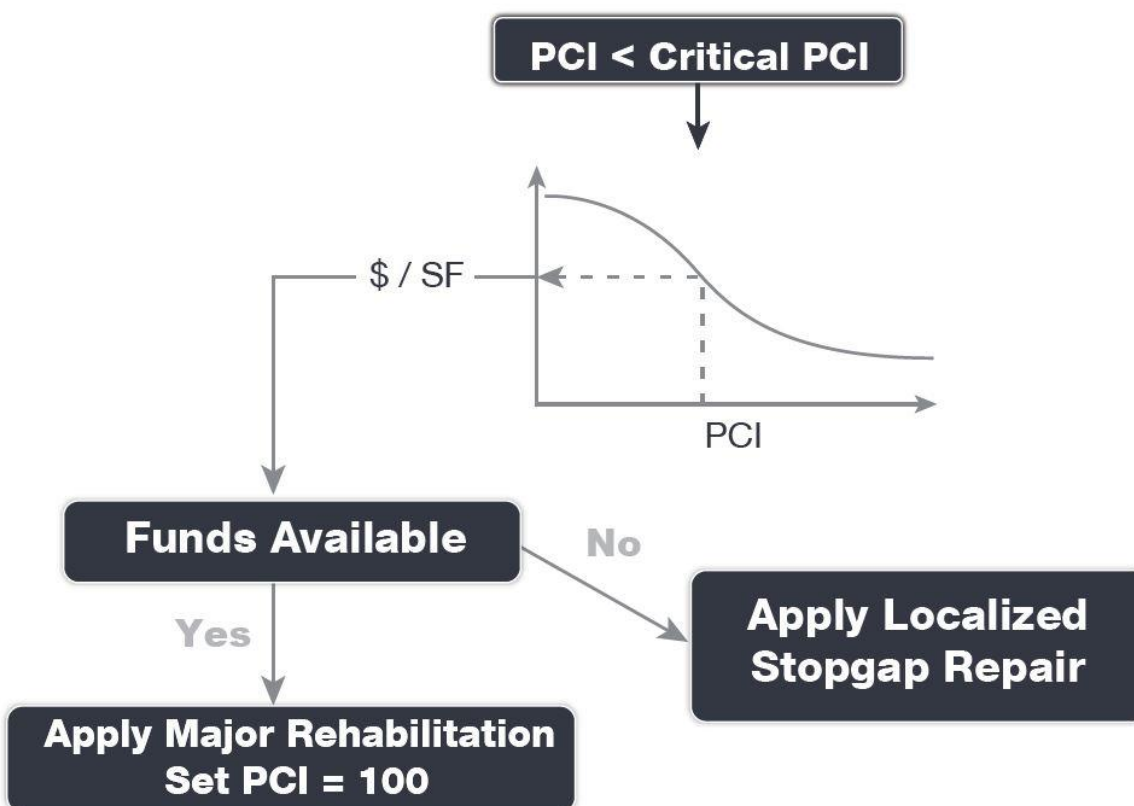


Chapter 6 – Major Rehabilitation Planning

6.1 Major Rehabilitation

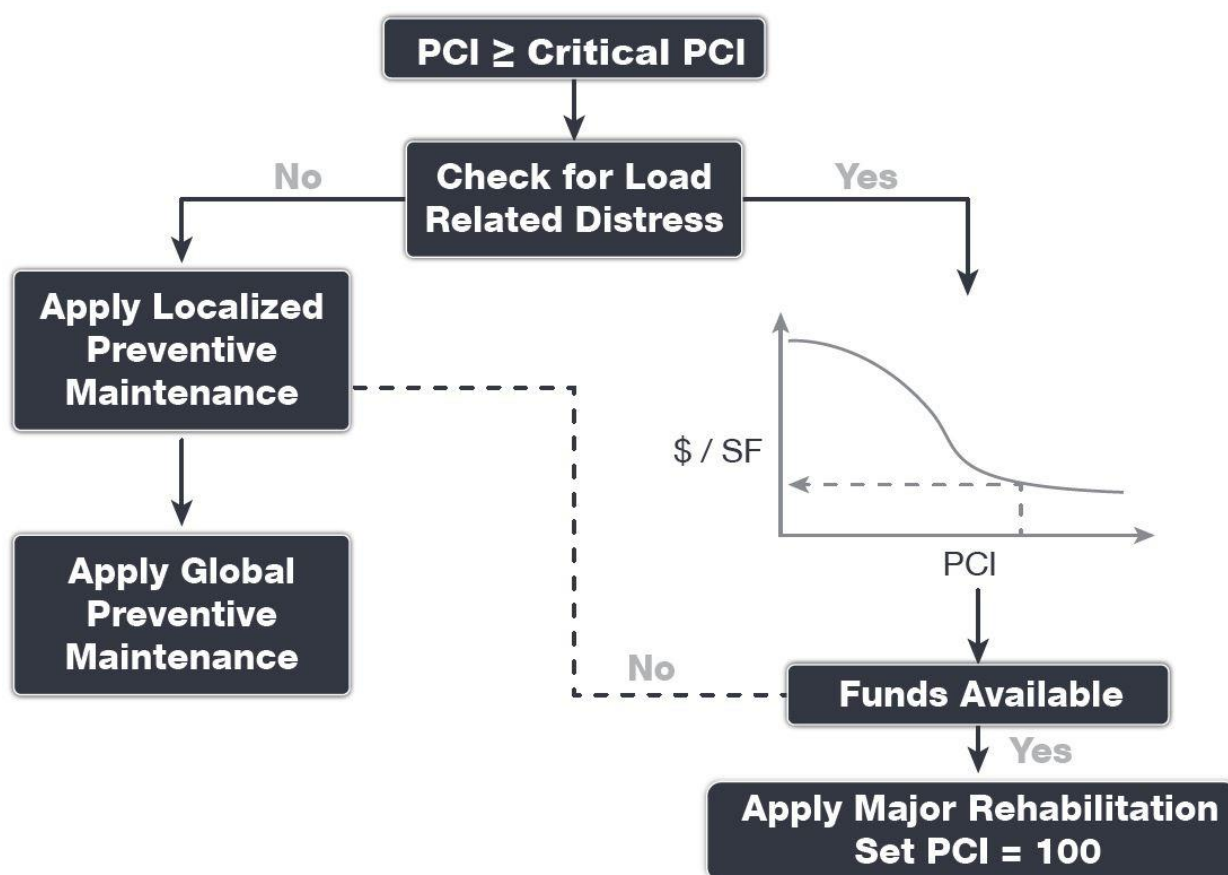
Major rehabilitation is recommended to correct or improve structural deficiencies and/or functional deterioration for pavement sections within a network. Often, when pavements are subject to significant changes in the aircraft fleet mix (frequency and type), major rehabilitation is required to provide a pavement section to meet the traffic demand. Major rehabilitation is recommended when a pavement section falls below the Critical PCI value that is defined during the system customization or if a pavement section has a significant observation of load-related distress. Observation of any load-related distress potentially indicates that the section may be structurally deficient or that the aircraft loads being applied to the pavement section are different than what the section was designed for. **Figures 6.1 (a) and 6.1 (b)** depict the decision process for major rehabilitation project identification with the assumption of available funds. Should funding be unavailable for pavement sections in need of major rehabilitation, the airport may elect to apply the appropriate localized stopgap repair.

Figures 6.1 (a) Major Rehabilitation Planning Decision Diagram, $PCI \leq \text{Critical PCI}$





Figures 6.1 (b) Major Rehabilitation Planning Decision Diagram, $PCI > \text{Critical } PCI$





6.1.1 Critical PCI

For the FDOT SAPMP the development of a major rehabilitation program is based on the Critical PCI concept. The **Critical PCI** concept assumes that it is more cost-effective to maintain pavements above, rather than below their critical PCI. It is assumed that once a pavement section deteriorates to the Critical PCI value that it is more cost-effective to complete a major rehabilitation project rather than continuing to apply preventive maintenance. This method includes defining the Critical PCI and introducing major rehabilitation work types.

Identification of annual and long-range Major Rehabilitation work plans are typically based on the Critical PCI concept. The Critical PCI is defined as the PCI value at which the rate of loss (deterioration) increases with time, or the cost of applying localized maintenance and repair increases or is not effective. A Critical PCI is usually within a range of 55 and 70; the following procedure is standard approach in developing a specific Critical PCI:

1. Develop a pavement performance model and refine a prediction model for the pavements considered.
2. Select a localized maintenance and repair policy to be used in developing a work plan.
3. Apply the selected localized policy to the pavement sections for a range of PCI.
4. Compute the unit cost per area for each PCI range.
5. Plot the cost versus the PCI.
6. Determine the Critical PCI based on the point where the cost is insignificant.

The FDOT SAPMP defines the Critical PCI at 65 – this is based on the historic trends in pavement performance and Statewide planning efforts.

6.1.2 FDOT Recommended Minimum Service-Level PCI

The FDOT has recommended **Minimum Service-Level PCI** for airports' airfield pavements based on the following characteristics; airport type within FDOT SAPMP, branch use, and expected aircraft operations. For the purposes of Major Rehabilitation, the Critical PCI is typically the threshold condition that triggers major construction, however it is recommended that the airports maintain the Minimum Service-Level PCI with a combination of Localized Maintenance and Repair and timely Major Rehabilitation. **Table 6.1.2** summarizes the FDOT Recommended Minimum Service-Level PCI.

Table 6.1.2 FDOT Recommended Minimum Service-Level PCI

Branch Use	FDOT Recommended PCI	Additional Consideration
Runway	75	Aircraft Fleet Mix Changes Primary Runway
Taxiway / Taxilane	70	Aircraft Fleet Mix Changes Expected Operations
Aprons / Run-Ups / Ramps	65	Ground Service Equipment Non-Aircraft Operations (e.g. fueling)



6.2 Major Rehabilitation Policy

6.2.1 Major Rehabilitation Pavement Section Development

The review of the existing as-built record documentation within the participating airports' archives was used as the basis of the conceptual pavement design sections. Refinement of the pavement section layers was performed in consideration of the FAA **AC 150/5320-6F "Airport Pavement Design and Evaluation."** It should be noted that no subsurface geotechnical investigation, ALTA/ACSM Survey, topographic survey, utilities survey, environmental, or site specific air traffic study(s) have been utilized in the development of the design criteria. No warranty or assurance is implied in this document for final design nor construction for any airfield pavements discussed within this report. The following **Tables 6.2.1 (a) and (b)** provide details on the conceptual pavement sections developed for this study.

Major rehabilitation is divided into two policy categories as part of this program: Full-Depth Reconstruction (Reconstruction) and Intermediate-Level Major Rehabilitation (Restoration). Based on the pavement type, the general categories are defined as AC Reconstruction and AC Restoration for AC, AAC, and APC flexible pavement types and PCC Reconstruction and PCC Restoration for PCC rigid pavement types. The pavement sections have been based on the average PR Airport Type requirements; no pavement design has been performed in accordance with AC 150/5320-6F for the determined conceptual sections.

Table 6.2.1 (a) Conceptual Pavement Section for Major Rehabilitation – Flexible Asphalt Concrete

Rehabilitation Type	Commercial (PR) Airport
AC Restoration <i>Combination of asphalt pavement milling and overlay with 25% of the areas subject to full-depth reconstruction.</i> PCI = 41 to 65	75% Mill and Overlay P-101 AC Milling (4") P-603 Bituminous Tack P-401 (HMA) (4") 25% AC Reconstruction P-101 Pavement Removal P-152 Subgrade (12") P-211 Base (8") P-602 Bituminous Prime P-603 Bituminous Tack P-401 HMA (6") <i>Excludes any paved shoulder features.</i>
AC Reconstruction <i>Full-depth asphalt pavement section reconstruction.</i> PCI = 40 or less	P-101 Pavement Removal P-152 Subgrade (12") P-211 Base (8") P-602 Bituminous Prime P-603 Bituminous Tack P-401 HMA (6") <i>Excludes any paved shoulder features.</i>



Table 6.2.1 (b) Conceptual Pavement Section for Major Rehabilitation – Rigid Portland Cement Concrete

Rehabilitation Type	Commercial (PR) Airport
PCC Restoration <i>Restoration of PCC pavement with a combination of crack sealing, joint seal replacement, and replacement of 25% of slab panels.</i> PCI = 41 to 65	P-101 Pavement Removal P-605 Joint Seal Repair P-152 Subgrade (12") P-211 Base (if needed, typical) (6") P-501 Rigid PCC (16") *Select Slabs (25%) **Crack Seal and Limited Patching
PCC Reconstruction <i>Full-depth rigid pavement section reconstruction.</i> PCI = 40 or less	P-101 Pavement Removal P-605 Joint Seal Repair P-152 Subgrade (12") P-211 Base (6") P-501 Rigid PCC (17")

The identification of rehabilitation needs and conceptual pavement sections have been determined at the planning level. Design-level investigation is recommended prior to developing construction-level design documents and budgets.

In compliance with FAA Grant Assurances 11 and 19, the FDOT SAPMP provides airports with airfield pavement evaluation reports in accordance with **FAA AC 150/5380-7B Airport Pavement Management Program (PMP)** and **AC 150/5380-6C Guidelines and Procedures for Maintenance of Airport Pavements**. The application of the results of a PCI survey are for planning purposes and are limited to the visual observation of deteriorated pavements in limited sampling; design-level investigation is recommended in accordance with the FAA procedures defined in **AC 5320-6F Airport Pavement Design and Evaluation** and **AC 150/5370-11B Use of Nondestructive Testing in the Evaluation of Airport Pavements**. The aforementioned ACs provide the design-level material properties of in-situ pavement and subgrade layers for the determination of appropriate rehabilitation actions. The FDOT SAPMP is organized to provide airports with planning-level data and does not intend to preclude the responsible engineer in performing the appropriate level of investigation and analysis in determining the appropriate design details of a pavement rehabilitation. It would not be advisable to solely base design-level rehabilitation without the appropriate level of investigation and determination of pavement deterioration beyond that of a visual functional condition assessment.

The recommendations identified in the Major Rehabilitation Needs consider the **FAA AC 150/5370-10H Standard Specifications for Construction of Airports** when determining the appropriate materials and methods implemented for construction projects, such as pavement rehabilitation, on airports. It should be noted that the **AC 150/5370-10H Standard Specifications for Construction of Airports** was updated in December of 2018. Design-level determination of project specific specifications based on the AC should be developed by the Airport when performing applicable construction projects.



6.2.2 Major Rehabilitation Planning-Level Unit Costs

Planning-level opinion of probable construction unit costs developed for this System Update was based on archived bid tabulations and records from airfield pavement projects provided by participating airports. A review of cost trends and cost factors have been incorporated to assist airports in planning for project budgets. Neither FDOT nor the Consultant Team has control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable construction costs provided herein are based on the information known to FDOT at this time and represent only the Consultant Team's judgment as a design professional familiar with the construction industry. This report cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable construction costs.

Table 6.2.2 Commercial Major Rehabilitation Planning-Level Unit Cost by Pavement Type

Rehabilitation Type	PCI Range	Flexible Asphalt Concrete Cost Per SF	Rigid Portland Cement Concrete Cost per SF
Restoration	41 to 65	\$ 11.00	\$ 17.00
Reconstruction	0 to 40	\$ 14.00	\$ 23.00

Planning-level opinion of probable construction unit costs consider factors for non-pavement improvements, QA/QC testing, and administrative costs.

6.3 Major Rehabilitation Needs

The objective of the major pavement rehabilitation needs analysis is to provide planning-level projects within an airport's airfield pavement network. Major rehabilitation activities are recommended when a pavement section has deteriorated below the Critical PCI value, a point at which localized maintenance and repair activities may not be the most cost-effective solution. In addition, major rehabilitation is also recommended when the Section PCI is at or above the Critical PCI but the section has significant load-related PCI distresses. Identification of rehabilitation needs is done at the Airfield Pavement Network Definition's section level. This however does not limit the airport from further refining limits of project planning areas.

Major rehabilitation is identified within the FDOT SAPMP as major construction activity that would result in an improvement or resetting of the pavement section's PCI to a value of 100. Major rehabilitation recommendations (AC Restoration, AC Reconstruction, PCC Restoration, and PCC Reconstruction) should be considered as planning-level only. Additional design-level investigation in accordance to the FAA Advisory Circulars will be required. Recommendations identified within this planning document do not imply final design.

6.3.1 10-Year Unconstrained Budget Major Rehabilitation Needs

An unconstrained budget (unlimited budget) is performed for a 10-year duration to identify pavement rehabilitation needs based on current or forecasted PCI values deteriorating below the Critical PCI. FDOT recognizes airports are constrained by budgets and does not intend to convey an unrealistic approach of addressing pavement rehabilitation. The intent of the 10-Year Major Rehabilitation Needs analysis is to identify pavements that will warrant rehabilitation. It is highly recommended that airport staff utilize this information in support of the development of a practical Capital Improvement Program based on priorities, further design/project-level



investigation, and budgetary constraints. The following **Table 6.3.1** summarizes all identified section-level major rehabilitation needs forecasted for the next 10-year period. It should be noted that the following table depicts planning-level costs and have been rounded for planning purposes.

Table 6.3.1 10-Year Major Rehabilitation Needs

Program Year	Network ID	Branch ID	Section ID	Surface	Area (SF)	PCI Before	Rehabilitation Type	Planning Cost
2020	TIX	AP E	4205	AAC	101,014	61	AC Restoration	\$ 1,112,000.00
2020	TIX	AP E	4214	APC	52,187	54	AC Restoration	\$ 575,000.00
2020	TIX	AP E	4215	AC	82,925	43	AC Restoration	\$ 1,070,000.00
2020	TIX	AP E	4219	AAC	8,237	54	AC Restoration	\$ 91,000.00
2020	TIX	RW 18-36	6105	AAC	500,000	59	AC Restoration	\$ 5,500,000.00
2020	TIX	RW 18-36	6110	AAC	250,000	55	AC Restoration	\$ 2,750,000.00
2020	TIX	RW 18-36	6125	AAC	100,000	59	AC Restoration	\$ 1,100,000.00
2020	TIX	RW 18-36	6130	AAC	50,000	58	AC Restoration	\$ 550,000.00
2020	TIX	RW 18-36	6145	AAC	131,900	62	AC Restoration	\$ 1,451,000.00
2020	TIX	RW 18-36	6150	AAC	65,950	61	AC Restoration	\$ 726,000.00
2020	TIX	RW 9-27	6205	AAC	169,743	60	AC Restoration	\$ 1,868,000.00
2020	TIX	RW 9-27	6210	AAC	320,000	52	AC Restoration	\$ 3,520,000.00
2020	TIX	TW A	110	AAC	70,000	64	AC Restoration	\$ 770,000.00
2020	TIX	TW A	120	AAC	90,638	63	AC Restoration	\$ 997,000.00
2020	TIX	TW A2	125	AAC	35,137	63	AC Restoration	\$ 387,000.00
2020	TIX	TW B	205	AAC	22,146	56	AC Restoration	\$ 244,000.00
2020	TIX	TW C	310	AAC	116,660	62	AC Restoration	\$ 1,284,000.00
2020	TIX	TW D	404	AAC	26,461	63	AC Restoration	\$ 292,000.00
2020	TIX	TW D	408	AAC	7,500	63	AC Restoration	\$ 83,000.00
2020	TIX	TW F	605	AAC	30,388	10	AC Reconstruction	\$ 426,000.00
2021	TIX	AP E	4211	AAC	3,845	63	AC Restoration	\$ 43,000.00
2021	TIX	TW A	112	AAC	30,000	64	AC Restoration	\$ 330,000.00
2021	TIX	TW A	115	AAC	50,000	64	AC Restoration	\$ 550,000.00
2022	TIX	AP E	4225	PCC	8,700	64	PCC Restoration	\$ 148,000.00
2022	TIX	TW A	105	AAC	114,651	63	AC Restoration	\$ 1,262,000.00
2022	TIX	TW C	305	AAC	46,879	63	AC Restoration	\$ 516,000.00
2023	TIX	AP E	4221	AC	5,405	64	AC Restoration	\$ 60,000.00
2023	TIX	AP E	4226	AAC	6,677	64	AC Restoration	\$ 74,000.00
2023	TIX	AP E	4245	AC	7,200	64	AC Restoration	\$ 80,000.00
2023	TIX	AP W	4310	AAC	30,464	64	AC Restoration	\$ 336,000.00
2023	TIX	TW E	515	AAC	113,522	64	AC Restoration	\$ 1,249,000.00
2024	TIX	TW E	505	AAC	32,371	64	AC Restoration	\$ 357,000.00
2026	TIX	AP E	4218	AAC	95,344	64	AC Restoration	\$ 1,049,000.00



Program Year	Network ID	Branch ID	Section ID	Surface	Area (SF)	PCI Before	Rehabilitation Type	Planning Cost
2026	TIX	AP E	4232	AAC	9,960	63	AC Restoration	\$ 110,000.00
2026	TIX	TW D	410	AAC	73,750	63	AC Restoration	\$ 812,000.00
2027	TIX	AP E	4216	AAC	48,836	63	AC Restoration	\$ 538,000.00
2027	TIX	AP E	4220	AAC	8,168	64	AC Restoration	\$ 90,000.00
2028	TIX	AP E	4230	PCC	9,576	64	PCC Restoration	\$ 163,000.00
2029	TIX	AP E	4227	AAC	6,560	64	AC Restoration	\$ 73,000.00
2029	TIX	AP E	4228	AAC	11,100	64	AC Restoration	\$ 123,000.00

**All values have been rounded to the nearest thousand-dollar.*

The following **Figure 6.3.1 (a)** summarizes the section-level major rehabilitation needs for a 10-year period between 2020 and 2029. **Figure 6.3.1 (b)** provides an inset view of Airfield Pavement Major Rehabilitation Exhibit, a large format exhibit is located in **Appendix C Technical Exhibits**. The exhibit graphically depicts the Major Rehabilitation Needs with rounded costs.

Figure 6.3.1 (a) 10-Year Major Rehabilitation Needs by Program Year

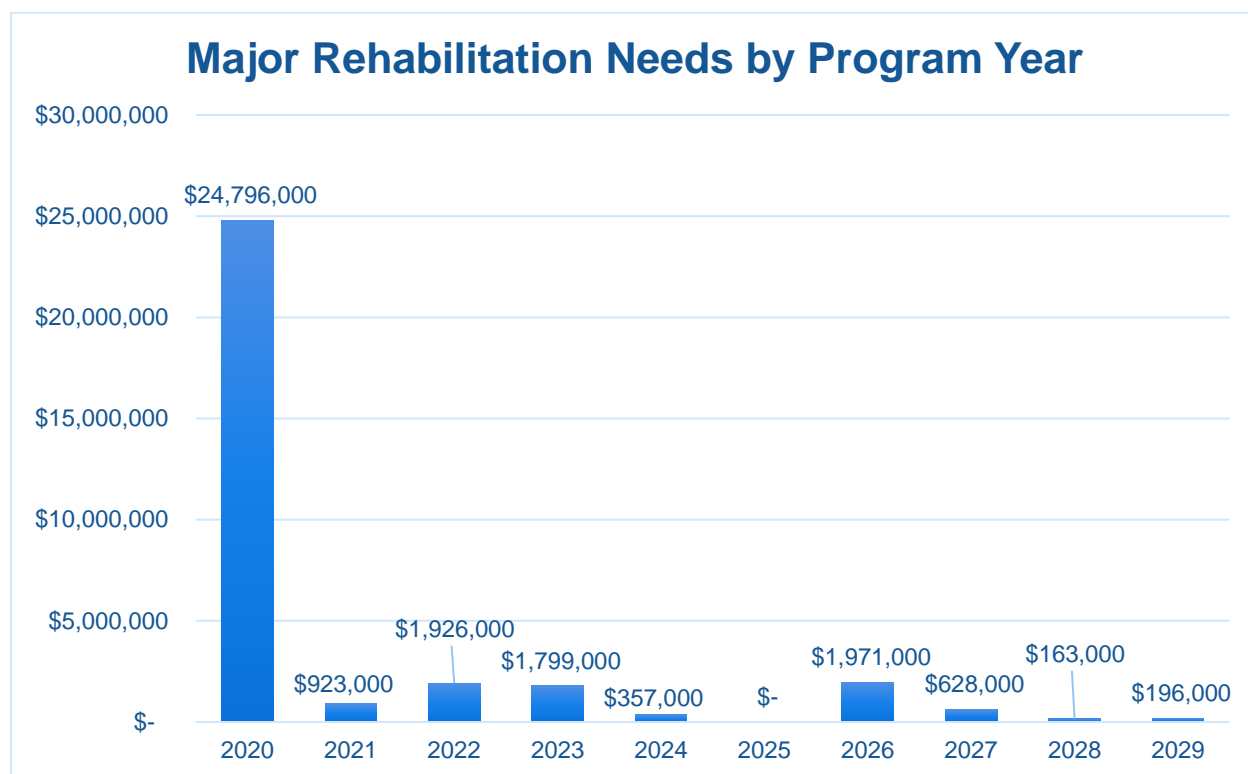
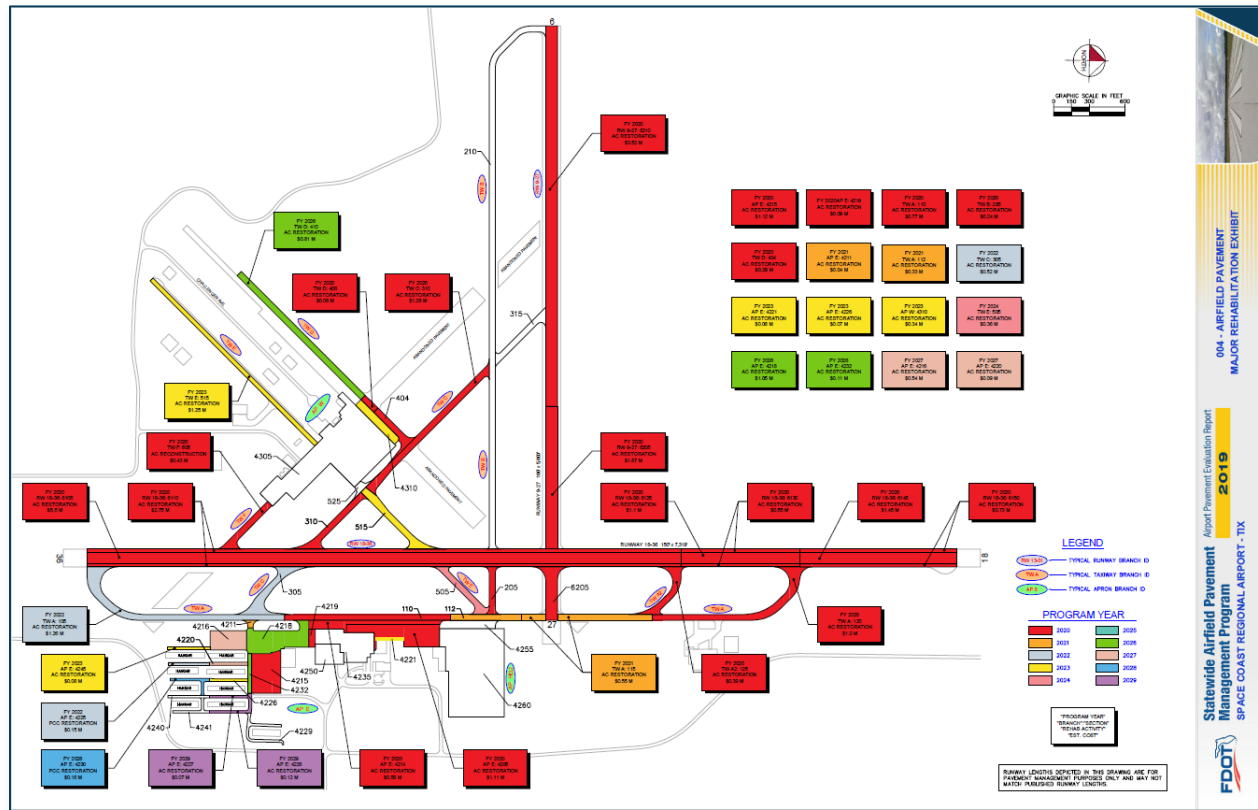
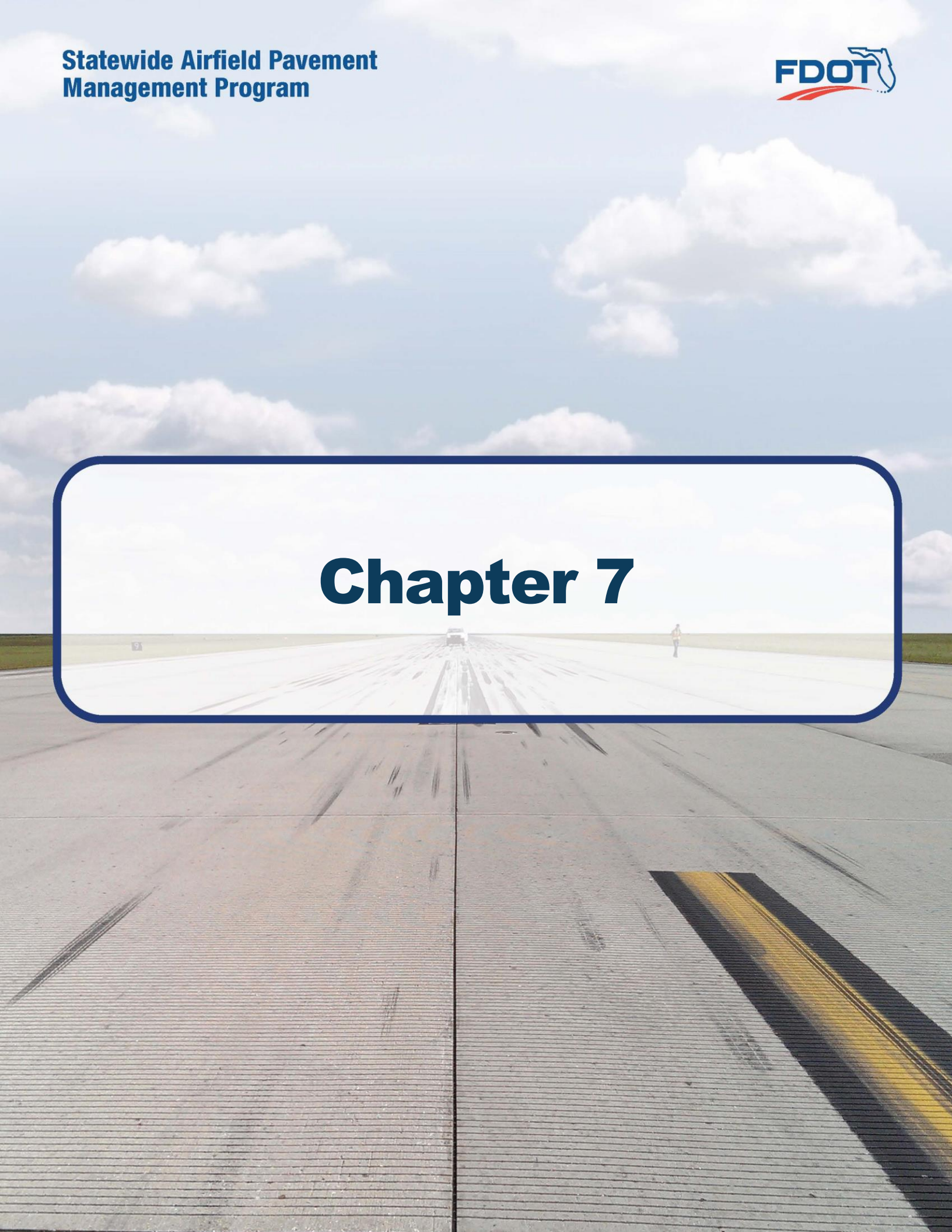




Figure 6.3.1 (b) 10-Year Major Rehabilitation Needs by Program Year Exhibit



Chapter 7





Chapter 7 – Conclusion

7.1 Recommendations

7.1.1 Continued PCI Survey Inspections

It is recommended that the airport continue to perform regularly scheduled PCI Survey inspections in accordance with the ASTM D5340-12 (or latest edition) to monitor the condition of the airfield pavement facilities.

A high priority should be considered for continuous maintenance record keeping and re-inspection of all the airport's maintained pavement facilities to ensure continued safe aircraft operations. A series of scheduled periodic inspections must be carried out for an effective maintenance program. Re-inspection of pavements should be scheduled in a timely manner to ensure that all areas, particularly those that may not come under day-to-day observation, are thoroughly evaluated and reported.

7.1.2 Localized Maintenance and Repair

While deterioration of the pavements due to usage and exposure to the environment cannot be completely prevented, applying timely and effective maintenance efforts can slow the anticipated rate of deterioration. Lack of adequate and timely maintenance is the significant factor in pavement deterioration.

It is recommended that airport sponsors coordinate with their respective Airport Maintenance staff and Airport Engineer when developing project-level maintenance and repair efforts.

7.1.3 Major Rehabilitation

Chapter 6 – Major Rehabilitation Planning identified major pavement rehabilitation project needs from 2020-2029. The identification of the rehabilitation needs was performed at the section level for manageable project areas with the assumption of an unconstrained budget scenario. Given the uncertainty in the airport-specific budget information and prioritization goals, the unconstrained budget scenario was performed to evaluate the worst-case scenario and identify all the inspected pavements' needs in a 10-year period. Certainly, it is understood that most airports are faced with constrained budgets; further evaluation of projects based on prioritization, operational criticality, funding availability, and practicality is recommended.

7.1.4 Pavement Management System

The following recommendations are made to fully implement an effective pavement management program for the airport:

- ▶ Develop a detailed preventive maintenance program for the airport.
- ▶ Further refine and implement the identified 10-year major rehabilitation needs.
- ▶ Maintain detailed records on pavement maintenance, construction, and inspection.
- ▶ Maintain records on major pavement construction projects (year, scope, cost, and construction documents).



7.2 Supporting Documents

001 – Airfield Pavement Network Definition Exhibit

The Airfield Pavement Network Definition Exhibit is located in **Appendix C Technical Exhibits**. The exhibit depicts the airfield layout in a manner that defines the airfield pavement infrastructure as branches, sections, and sample units in accordance with the ASTM D5340-12. The exhibit is intended for planning purposes only – further detail on facilities can be found on the Airport's adopted Airport Layout Plan. Detailed characteristics are tabulated in **Appendix A Pavement Analysis Tables**.

002 – Airfield Pavement System Inventory Exhibit

The Airfield Pavement System Inventory Exhibit is located in **Appendix C Technical Exhibits**. The exhibit depicts any recent and/or anticipated construction activity within the airfield pavement facilities reported by airport staff. The exhibit is intended to schematically identify the pavement limits of works and general work description. The information reported on the **Airport Response Form** provided by each participating airport was used as the basis of the changes; furthermore, changes are confirmed at the airport with airport staff during the in-brief and debrief meeting.

003 – Airfield Pavement Condition Index Exhibit

The Airfield Pavement Condition Index Exhibit is located in **Appendix C Technical Exhibits**. The exhibit is a visual summary of the latest conditions calculated from the results of the PCI Survey performed at the airport. The analysis of the distresses surveyed in accordance with the ASTM D5340-12 (referenced in **Appendix E Inspection Distress Details**) were analyzed using PAVER™ software to determine PCI values. The PCI values are identified in the exhibit and graphically represented using the standard ASTM D5340-12 colors for condition rating categories.

004 – Airfield Pavement Major Rehabilitation Exhibit

The Airfield Pavement Major Rehabilitation Exhibit is located in **Appendix C Technical Exhibits**. The exhibit has been prepared based on the section condition analysis, pavement condition forecasts, and major rehabilitation needs analysis. The exhibit graphically depicts the inventory with the associated rehabilitation type activity, program year, and the planning-level costs. The area limits, rehabilitation type, and planning-level costs should not be considered a design-level recommendation. A tabulation of the 10-Year Major Rehabilitation is located in **Appendix B Airfield Pavement Localized Maintenance and Repair and Major Rehabilitation**.

Inspection Photograph Documentation

Representative field conditions from the PCI Survey are documented with digital photographs located in **Appendix D Inspection Photograph Documentation**. Select photographs are provided with limited caption on the distresses observed – the Appendix does not contain photographs for every sample unit.



7.3 Conclusion

The FDOT SAPMP Update Phase 2 2018-2019 was completed for the airport on behalf of the FDOT ASO in accordance with the Advisory Circulars **150/5380-7B “Airport Pavement Management Program (PMP)”** and **150/5380-6C “Guidelines and Procedures for Maintenance of Airport Pavements.”** FDOT’s implementation of the SAPMP has assisted public airports with this requirement in performing PCI survey inspections and analysis in accordance with the ASTM **D5340-12 “Standard Test Method for Airport Pavement Condition Index Surveys.”**

Appendix A

Airfield Pavement Analysis Tables



Table A-1 Pavement System Inventory Details

Network ID	Branch Name	Branch ID	Branch Use	Section ID	Length (FT)	Width (FT)	Area (SF)	Surface Type	Est. Last Construction Date
TIX	EAST APRON	AP E	APRON	4205	784	188	101,014	AAC	1/1/2008
TIX	EAST APRON	AP E	APRON	4211	100	38	3,845	AAC	6/1/2002
TIX	EAST APRON	AP E	APRON	4214	1,100	35	52,187	APC	6/1/2002
TIX	EAST APRON	AP E	APRON	4215	300	150	82,925	AC	1/1/1971
TIX	EAST APRON	AP E	APRON	4216	300	150	48,836	AAC	1/1/2008
TIX	EAST APRON	AP E	APRON	4218	525	137	95,344	AAC	1/1/2008
TIX	EAST APRON	AP E	APRON	4219	55	151	8,237	AAC	1/1/2015
TIX	EAST APRON	AP E	APRON	4220	300	45	8,168	AAC	1/1/2014
TIX	EAST APRON	AP E	APRON	4221	200	25	5,405	AC	1/1/2008
TIX	EAST APRON	AP E	APRON	4225	400	20	8,700	PCC	1/1/1991
TIX	EAST APRON	AP E	APRON	4226	325	40	6,677	AAC	1/1/2014
TIX	EAST APRON	AP E	APRON	4227	325	40	6,560	AAC	1/1/2014
TIX	EAST APRON	AP E	APRON	4228	400	30	11,100	AAC	1/1/2014
TIX	EAST APRON	AP E	APRON	4229	820	20	16,315	AC	1/1/2012
TIX	EAST APRON	AP E	APRON	4230	400	20	9,576	PCC	1/1/1991
TIX	EAST APRON	AP E	APRON	4232	1,000	162	9,960	AAC	1/1/2014
TIX	EAST APRON	AP E	APRON	4235	495	178	93,090	PCC	1/1/2015
TIX	EAST APRON	AP E	APRON	4240	250	30	7,020	AAC	1/1/2014
TIX	EAST APRON	AP E	APRON	4241	350	25	8,553	AAC	1/1/2014
TIX	EAST APRON	AP E	APRON	4245	350	20	7,200	AC	1/1/2003
TIX	EAST APRON	AP E	APRON	4250	190	200	38,220	PCC	1/1/2011
TIX	HELICOPTER APRON	AP HELI	APRON	4255	475	70	32,798	AC	1/1/2012
TIX	HELICOPTER APRON	AP HELI	APRON	4260	744	510	364,740	PCC	1/1/2012
TIX	WEST APRON	AP W	APRON	4305	1,600	500	370,471	PCC	1/1/2014
TIX	WEST APRON	AP W	APRON	4310	68	400	30,464	AAC	1/1/2014
TIX	RUNWAY 18-36	RW 18-36	RUNWAY	6105	5,000	100	500,000	AAC	6/1/2002
TIX	RUNWAY 18-36	RW 18-36	RUNWAY	6110	10,000	25	250,000	AAC	6/1/2002
TIX	RUNWAY 18-36	RW 18-36	RUNWAY	6125	1,000	100	100,000	AAC	6/1/2002
TIX	RUNWAY 18-36	RW 18-36	RUNWAY	6130	2,000	25	50,000	AAC	6/1/2002
TIX	RUNWAY 18-36	RW 18-36	RUNWAY	6145	1,319	100	131,900	AAC	6/1/2002
TIX	RUNWAY 18-36	RW 18-36	RUNWAY	6150	2,600	25	65,950	AAC	6/1/2002
TIX	RUNWAY 9-27	RW 9-27	RUNWAY	6205	1,650	100	169,743	AAC	1/1/1998
TIX	RUNWAY 9-27	RW 9-27	RUNWAY	6210	3,200	100	320,000	AAC	1/1/1998
TIX	TAXIWAY A	TW A	TAXIWAY	105	2,200	50	114,651	AAC	6/1/2002
TIX	TAXIWAY A	TW A	TAXIWAY	110	1,400	50	70,000	AAC	6/1/2002
TIX	TAXIWAY A	TW A	TAXIWAY	112	600	50	30,000	AAC	6/1/2002



Network ID	Branch Name	Branch ID	Branch Use	Section ID	Length (FT)	Width (FT)	Area (SF)	Surface Type	Est. Last Construction Date
TIX	TAXIWAY A	TW A	TAXIWAY	115	1,000	50	50,000	AAC	6/1/2002
TIX	TAXIWAY A	TW A	TAXIWAY	120	1,800	50	90,638	AAC	6/1/2002
TIX	TAXIWAY A2	TW A2	TAXIWAY	125	600	500	35,137	AAC	6/1/2002
TIX	TAXIWAY B	TW B	TAXIWAY	205	400	50	22,146	AAC	6/1/2002
TIX	TAXIWAY B	TW B	TAXIWAY	210	4,600	50	234,359	AAC	1/1/2013
TIX	TAXIWAY C	TW C	TAXIWAY	305	700	65	46,879	AAC	1/1/2004
TIX	TAXIWAY C	TW C	TAXIWAY	310	2,300	50	116,660	AAC	1/1/1986
TIX	TAXIWAY C	TW C	TAXIWAY	315	600	50	32,856	AAC	1/1/2013
TIX	TAXIWAY D	TW D	TAXIWAY	404	400	50	26,461	AAC	1/1/2000
TIX	TAXIWAY D	TW D	TAXIWAY	408	150	50	7,500	AAC	1/1/2000
TIX	TAXIWAY D	TW D	TAXIWAY	410	1,450	50	73,750	AAC	1/1/2000
TIX	TAXIWAY E	TW E	TAXIWAY	505	600	50	32,371	AAC	1/1/1998
TIX	TAXIWAY E	TW E	TAXIWAY	515	2,640	50	113,522	AAC	1/1/2003
TIX	TAXIWAY E	TW E	TAXIWAY	525	100	85	8,165	AC	1/1/2014
TIX	TAXIWAY F	TW F	TAXIWAY	605	580	50	30,388	AAC	1/1/1998



Table A-2 Pavement Condition Index Summary (Last Inspection) – Section Level

Network ID	Branch Name	Branch Use	Section ID	Area (SF)	PCI	Condition Rating
TIX	RUNWAY 18-36	RUNWAY	6105	500,000	62	Fair
TIX	RUNWAY 18-36	RUNWAY	6110	250,000	57	Fair
TIX	RUNWAY 18-36	RUNWAY	6125	100,000	62	Fair
TIX	RUNWAY 18-36	RUNWAY	6130	50,000	60	Fair
TIX	RUNWAY 18-36	RUNWAY	6145	131,900	65	Fair
TIX	RUNWAY 18-36	RUNWAY	6150	65,950	64	Fair
TIX	RUNWAY 9-27	RUNWAY	6205	169,743	63	Fair
TIX	RUNWAY 9-27	RUNWAY	6210	320,000	53	Poor
TIX	TAXIWAY A	TAXIWAY	105	114,651	68	Fair
TIX	TAXIWAY A	TAXIWAY	110	70,000	66	Fair
TIX	TAXIWAY A	TAXIWAY	112	30,000	67	Fair
TIX	TAXIWAY A	TAXIWAY	115	50,000	67	Fair
TIX	TAXIWAY A	TAXIWAY	120	90,638	65	Fair
TIX	TAXIWAY A2	TAXIWAY	125	35,137	65	Fair
TIX	TAXIWAY B	TAXIWAY	205	22,146	57	Fair
TIX	TAXIWAY B	TAXIWAY	210	234,359	89	Good
TIX	TAXIWAY C	TAXIWAY	305	46,879	68	Fair
TIX	TAXIWAY C	TAXIWAY	310	116,660	63	Fair
TIX	TAXIWAY C	TAXIWAY	315	32,856	88	Good
TIX	TAXIWAY D	TAXIWAY	404	26,461	65	Fair
TIX	TAXIWAY D	TAXIWAY	408	7,500	65	Fair
TIX	TAXIWAY D	TAXIWAY	410	73,750	75	Satisfactory
TIX	TAXIWAY E	TAXIWAY	505	32,371	72	Satisfactory
TIX	TAXIWAY E	TAXIWAY	515	113,522	70	Fair
TIX	TAXIWAY E	TAXIWAY	525	8,165	94	Good
TIX	TAXIWAY F	TAXIWAY	605	30,388	14	Serious
TIX	EAST APRON	APRON	4205	101,014	62	Fair
TIX	EAST APRON	APRON	4211	3,845	67	Fair
TIX	EAST APRON	APRON	4214	52,187	56	Fair
TIX	EAST APRON	APRON	4215	82,925	45	Poor
TIX	EAST APRON	APRON	4216	48,836	82	Satisfactory
TIX	EAST APRON	APRON	4218	95,344	80	Satisfactory
TIX	EAST APRON	APRON	4219	8,237	56	Fair
TIX	EAST APRON	APRON	4220	8,168	83	Satisfactory
TIX	EAST APRON	APRON	4221	5,405	71	Satisfactory
TIX	EAST APRON	APRON	4225	8,700	69	Fair
TIX	EAST APRON	APRON	4226	6,677	72	Satisfactory



Network ID	Branch Name	Branch Use	Section ID	Area (SF)	PCI	Condition Rating
TIX	EAST APRON	APRON	4227	6,560	89	Good
TIX	EAST APRON	APRON	4228	11,100	89	Good
TIX	EAST APRON	APRON	4229	16,315	88	Good
TIX	EAST APRON	APRON	4230	9,576	77	Satisfactory
TIX	EAST APRON	APRON	4232	9,960	79	Satisfactory
TIX	EAST APRON	APRON	4235	93,090	99	Good
TIX	EAST APRON	APRON	4240	7,020	91	Good
TIX	EAST APRON	APRON	4241	8,553	91	Good
TIX	EAST APRON	APRON	4245	7,200	71	Satisfactory
TIX	EAST APRON	APRON	4250	38,220	95	Good
TIX	HELICOPTER APRON	APRON	4255	32,798	90	Good
TIX	HELICOPTER APRON	APRON	4260	364,740	97	Good
TIX	WEST APRON	APRON	4305	370,471	99	Good
TIX	WEST APRON	APRON	4310	30,464	72	Satisfactory



Table A-3 Forecasted PCI 2020-2029

Network ID	Branch ID	Section ID	Last PCI	Forecasted PCI									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
TIX	AP E	4205	62	61	60	60	60	60	60	60	60	59	58
TIX	AP E	4211	67	65	63	62	61	61	60	60	60	60	60
TIX	AP E	4214	56	54	51	48	44	40	36	32	28	26	25
TIX	AP E	4215	45	43	42	40	38	37	35	34	32	31	29
TIX	AP E	4216	82	79	76	74	71	69	67	65	63	62	61
TIX	AP E	4218	80	77	75	72	70	67	65	64	63	62	61
TIX	AP E	4219	56	54	51	48	44	40	36	32	28	26	25
TIX	AP E	4220	83	80	77	75	72	70	68	66	64	63	62
TIX	AP E	4221	71	69	68	66	64	63	61	60	58	57	55
TIX	AP E	4225	69	67	66	64	62	61	59	57	55	53	52
TIX	AP E	4226	72	70	67	65	64	63	62	61	60	60	60
TIX	AP E	4227	89	86	83	80	78	75	72	70	68	66	64
TIX	AP E	4228	89	86	83	80	78	75	72	70	68	66	64
TIX	AP E	4229	88	86	85	83	81	80	78	77	75	74	72
TIX	AP E	4230	77	76	74	73	72	70	69	68	66	64	63
TIX	AP E	4232	79	76	74	71	69	67	65	63	62	61	61
TIX	AP E	4235	99	97	95	93	92	90	89	88	87	86	86
TIX	AP E	4240	91	88	85	82	80	77	74	72	69	67	65
TIX	AP E	4241	91	88	85	82	80	77	74	72	69	67	65
TIX	AP E	4245	71	69	68	66	64	63	61	60	58	57	55
TIX	AP E	4250	95	93	92	90	89	88	87	86	86	85	84
TIX	AP HELI	4255	90	88	87	85	83	82	80	79	77	76	74
TIX	AP HELI	4260	97	95	93	92	90	89	88	87	87	86	85
TIX	AP W	4305	99	97	95	93	92	90	89	88	87	86	86
TIX	AP W	4310	72	70	67	65	64	63	62	61	60	60	60
TIX	RW 18-36	6105	62	59	57	56	55	54	54	54	53	52	51
TIX	RW 18-36	6110	57	55	54	54	54	54	52	52	51	51	50
TIX	RW 18-36	6125	62	59	57	56	55	54	54	54	53	52	51
TIX	RW 18-36	6130	60	58	56	55	54	54	54	53	52	52	51
TIX	RW 18-36	6145	65	62	60	57	56	55	54	54	54	53	52
TIX	RW 18-36	6150	64	61	59	57	55	54	54	54	54	52	52
TIX	RW 9-27	6205	63	60	58	56	55	54	54	54	53	52	51
TIX	RW 9-27	6210	53	52	51	51	50	50	49	48	48	47	47
TIX	TW A	105	68	66	65	63	62	61	60	59	58	57	57
TIX	TW A	110	66	64	63	62	61	60	59	58	57	56	56
TIX	TW A	112	67	65	64	63	61	60	59	58	58	57	56
TIX	TW A	115	67	65	64	63	61	60	59	58	58	57	56



Network ID	Branch ID	Section ID	Last PCI	Forecasted PCI									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
TIX	TW A	120	65	63	62	61	60	59	58	57	57	56	55
TIX	TW A2	125	65	63	62	61	60	59	58	57	57	56	55
TIX	TW B	205	57	56	55	55	54	53	53	52	52	51	51
TIX	TW B	210	89	86	84	82	79	77	75	73	71	69	68
TIX	TW C	305	68	66	65	63	62	61	60	59	58	57	57
TIX	TW C	310	63	62	60	59	58	58	57	56	55	55	54
TIX	TW C	315	88	85	83	81	78	76	74	72	71	69	67
TIX	TW D	404	65	63	62	61	60	59	58	57	57	56	55
TIX	TW D	408	65	63	62	61	60	59	58	57	57	56	55
TIX	TW D	410	75	73	71	69	68	66	65	63	62	61	60
TIX	TW E	505	72	70	68	67	65	64	63	61	60	59	58
TIX	TW E	515	70	68	67	65	64	62	61	60	59	58	57
TIX	TW E	525	94	92	90	88	86	84	83	81	80	78	77
TIX	TW F	605	14	10	4	0	0	0	0	0	0	0	0

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Pavement Database: FDOT

Network: SPACE COAST REG		Branch: AP E	EAST APRON		Section: 4205	Surface: AAC
L.C.D. 1/1/2008	Use: APRON	Rank: P	Length: 784.00 (Ft)	Width: 188.00 (Ft)	True Area: 101014.0000 (SqFt)	
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/2008	ML-OV	MILL and OVERLAY	0.00	0.00	<input checked="" type="checkbox"/>	Unknown
1/1/1992	IMPORT ED	REPAIR	0.00	0.00	<input type="checkbox"/>	THIS FEATURE HAS A 1992 SLURRY SEAL
1/1/1968	IMPORT ED	BUILT	0.00	3.00	<input checked="" type="checkbox"/>	1968: 3" AC ON 8" LIME ROCK BASE. SOIL: SP.

Network: SPACE COAST REG		Branch: AP E	EAST APRON		Section: 4211	Surface: AAC
L.C.D. 6/1/2002	Use: APRON	Rank: P	Length: 100.00 (Ft)	Width: 38.00 (Ft)	True Area: 3845.000001 (SqFt)	
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
6/1/2002	ML-OL	Mill and Overlay	0.00	0.00	<input checked="" type="checkbox"/>	
1/1/1971	NU-IN	New Construction - Initial	0.00	0.00	<input checked="" type="checkbox"/>	ESTIMATE 1971 AC

Network: SPACE COAST REG		Branch: AP E	EAST APRON		Section: 4214	Surface: APC
L.C.D. 6/1/2002	Use: APRON	Rank: P	Length: 1,100.00 (Ft)	Width: 35.00 (Ft)	True Area: 52187.00001 (SqFt)	
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
6/1/2002	ML-OV	MILL and OVERLAY	0.00	0.00	<input checked="" type="checkbox"/>	Unknown
1/1/1992	SS-SS	Slurry Seal	0.00	0.00	<input type="checkbox"/>	Unknown
1/1/1971	OL-AC	Overlay - AC	0.00	0.00	<input checked="" type="checkbox"/>	Unknown
1/1/1943	NC-PC	New Construction - PCC	0.00	0.00	<input checked="" type="checkbox"/>	Est. initial construction

Network: SPACE COAST REG		Branch: AP E	EAST APRON		Section: 4215	Surface: AC
L.C.D. 1/1/1971	Use: APRON	Rank: P	Length: 300.00 (Ft)	Width: 150.00 (Ft)	True Area: 82925.00002 (SqFt)	
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/1992	IMPORT ED	REPAIR	0.00	0.00	<input type="checkbox"/>	THIS PAVEMENT HAS A 1992 SLURRY SEAL
1/1/1971	IMPORT ED	BUILT	0.00	0.00	<input checked="" type="checkbox"/>	ESTIMATE 1971 AC PAVEMENT

Network: SPACE COAST REG		Branch: AP E	EAST APRON		Section: 4216	Surface: AAC
L.C.D. 1/1/2008	Use: APRON	Rank: P	Length: 300.00 (Ft)	Width: 150.00 (Ft)	True Area: 48836.00001 (SqFt)	
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/2008	ML-OL	Mill and Overlay	0.00	0.00	<input checked="" type="checkbox"/>	
1/1/1971	NU-IN	New Construction - Initial	0.00	0.00	<input checked="" type="checkbox"/>	ESTIMATE 1971 AC

Network: SPACE COAST REG		Branch: AP E	EAST APRON		Section: 4218	Surface: AAC
L.C.D. 1/1/2008	Use: APRON	Rank: P	Length: 525.00 (Ft)	Width: 137.00 (Ft)	True Area: 95344.00002 (SqFt)	
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/2008	ML-OL	Mill and Overlay	0.00	0.00	<input checked="" type="checkbox"/>	
1/1/1971	NU-IN	New Construction - Initial	0.00	0.00	<input checked="" type="checkbox"/>	ESTIMATE 1971 AC

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Pavement Database: FDOT

Network: SPACE COAST REG Branch: AP E EAST APRON Section: 4219 Surface: AAC L.C.D. 1/1/2015 Use: APRON Rank: P Length: 55.00 (Ft) Width: 151.00 (Ft) True Area: 8237.000002 (SqFt)						
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/2015	ML-OV	MILL and OVERLAY	0.00	0.00	<input checked="" type="checkbox"/>	Unknown
1/1/1992	IMPORT ED	REPAIR	0.00	0.00	<input type="checkbox"/>	THIS PAVEMENT HAS A 1992 SLURRY SEAL
1/1/1971	IMPORT ED	BUILT	0.00	0.00	<input checked="" type="checkbox"/>	ESTIMATE 1971 AC PAVEMENT

Network: SPACE COAST REG Branch: AP E EAST APRON Section: 4220 Surface: AAC L.C.D. 1/1/2014 Use: APRON Rank: P Length: 300.00 (Ft) Width: 45.00 (Ft) True Area: 8168.000002 (SqFt)						
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/2014	ML-OV	MILL and OVERLAY	0.00	0.00	<input checked="" type="checkbox"/>	THIS PAVEMENT HAS A 1992 SLURRY SEAL ESTIMATE 1980 AC PAVEMENT
1/1/1992	IMPORT ED	REPAIR	0.00	0.00	<input type="checkbox"/>	
1/1/1980	IMPORT ED	BUILT	0.00	0.00	<input checked="" type="checkbox"/>	

Network: SPACE COAST REG Branch: AP E EAST APRON Section: 4221 Surface: AC L.C.D. 1/1/2008 Use: APRON Rank: P Length: 200.00 (Ft) Width: 25.00 (Ft) True Area: 5405.000001 (SqFt)						
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/2008	NC-AC	New Construction - AC	0.00	0.00	<input checked="" type="checkbox"/>	Unknown

Network: SPACE COAST REG Branch: AP E EAST APRON Section: 4225 Surface: PCC L.C.D. 1/1/1991 Use: APRON Rank: P Length: 400.00 (Ft) Width: 20.00 (Ft) True Area: 8700.000002 (SqFt)						
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/1991	IMPORT ED	BUILT	0.00	0.00	<input checked="" type="checkbox"/>	ESTIMATE 1991 PCC PAVEMENT

Network: SPACE COAST REG Branch: AP E EAST APRON Section: 4226 Surface: AAC L.C.D. 1/1/2014 Use: APRON Rank: P Length: 325.00 (Ft) Width: 40.00 (Ft) True Area: 6677.000002 (SqFt)						
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/2014	ML-OV	MILL and OVERLAY	0.00	0.00	<input checked="" type="checkbox"/>	2014: Remove Existing AC and replac
1/1/1992	IMPORT ED	REPAIR	0.00	0.00	<input type="checkbox"/>	THIS PAVEMENT HAS A 1992 SLURRY SEAL
1/1/1985	IMPORT ED	BUILT	0.00	0.00	<input checked="" type="checkbox"/>	ESTIMATE 1985 AC PAVEMENT

Network: SPACE COAST REG Branch: AP E EAST APRON Section: 4227 Surface: AAC L.C.D. 1/1/2014 Use: APRON Rank: P Length: 325.00 (Ft) Width: 40.00 (Ft) True Area: 6560.000002 (SqFt)						
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/2014	ML-OV	MILL and OVERLAY	0.00	0.00	<input checked="" type="checkbox"/>	2014: Remove Existing AC and replac
1/1/1992	IMPORT ED	BUILT	0.00	0.00	<input checked="" type="checkbox"/>	1992 SLURRY SEAL ON THIS PAVEMENT
1/1/1988	IMPORT ED	OVERLAY	0.00	0.00	<input checked="" type="checkbox"/>	ESTIMATE 1988 AC PAVEMENT

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Pavement Database: FDOT

Network: SPACE COAST REG Branch: AP E EAST APRON Section: 4228 Surface: AAC L.C.D. 1/1/2014 Use: APRON Rank: P Length: 400.00 (Ft) Width: 30.00 (Ft) True Area: 11100.00000 (SqFt)						
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/2014	ML-OV	MILL and OVERLAY	0.00	0.00	<input checked="" type="checkbox"/>	2014: Remove Existing AC and replac
1/1/1992	IMPORT ED	BUILT	0.00	0.00	<input checked="" type="checkbox"/>	1992 SLURRY SEAL ON THIS PAVEMENT
1/1/1988	IMPORT ED	OVERLAY	0.00	0.00	<input checked="" type="checkbox"/>	ESTIMATE 1988 AC PAVEMENT

Network: SPACE COAST REG Branch: AP E EAST APRON Section: 4229 Surface: AC L.C.D. 1/1/2012 Use: APRON Rank: P Length: 820.00 (Ft) Width: 20.00 (Ft) True Area: 16315.00000 (SqFt)						
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/2012	NU-IN	New Construction - Initial	0.00	0.00	<input checked="" type="checkbox"/>	2012: 2" FDOT SP 12.5 Fine Mix, 6"

Network: SPACE COAST REG Branch: AP E EAST APRON Section: 4230 Surface: PCC L.C.D. 1/1/1991 Use: APRON Rank: P Length: 400.00 (Ft) Width: 20.00 (Ft) True Area: 9576.000002 (SqFt)						
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/1991	IMPORT ED	BUILT	0.00	0.00	<input checked="" type="checkbox"/>	ESTIMATE 1991 PCC PAVEMENT

Network: SPACE COAST REG Branch: AP E EAST APRON Section: 4232 Surface: AAC L.C.D. 1/1/2014 Use: APRON Rank: P Length: 1,000.00 (Ft) Width: 162.00 (Ft) True Area: 9960.000003 (SqFt)						
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/2014	ML-OV	MILL and OVERLAY	0.00	0.00	<input checked="" type="checkbox"/>	2014: 2" MILL AND 2" OL W/ FDOT
1/1/1992	IMPORT ED	REPAIR	0.00	0.00	<input type="checkbox"/>	THIS PAVEMENT HAS A 1992 SLURRY SEAL
1/1/1971	IMPORT ED	BUILT	0.00	0.00	<input checked="" type="checkbox"/>	ESTIMATE 1971 AC PAVEMENT (8" ASPHALT ON 5" +/- SOIL CEME

Network: SPACE COAST REG Branch: AP E EAST APRON Section: 4235 Surface: PCC L.C.D. 1/1/2015 Use: APRON Rank: P Length: 495.00 (Ft) Width: 178.00 (Ft) True Area: 93090.00002 (SqFt)						
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/2015	NC-PC	New Construction - PCC	0.00	0.00	<input checked="" type="checkbox"/>	14" P-501, 6" P-211, COMPACTED S

Network: SPACE COAST REG Branch: AP E EAST APRON Section: 4240 Surface: AAC L.C.D. 1/1/2014 Use: APRON Rank: P Length: 250.00 (Ft) Width: 30.00 (Ft) True Area: 7020.000002 (SqFt)						
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/2014	ML-OV	MILL and OVERLAY	0.00	0.00	<input checked="" type="checkbox"/>	Remove 2" Existing and replace with
1/1/1987	IMPORT ED	BUILT	0.00	0.00	<input checked="" type="checkbox"/>	ESTIMATE 1987 AC PAVEMENT

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Pavement Database: FDOT

Network: SPACE COAST REG Branch: AP E EAST APRON Section: 4241 Surface: AAC L.C.D. 1/1/2014 Use: APRON Rank: P Length: 350.00 (Ft) Width: 25.00 (Ft) True Area: 8553.000002 (SqFt)						
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/2014	ML-OV	MILL and OVERLAY	0.00	0.00	<input checked="" type="checkbox"/>	Remove 2" Existing and replace with
1/1/1987	IMPORT ED	BUILT	0.00	0.00	<input checked="" type="checkbox"/>	ESTIMATE 1987 AC PAVEMENT

Network: SPACE COAST REG Branch: AP E EAST APRON Section: 4245 Surface: AC L.C.D. 1/1/2003 Use: APRON Rank: P Length: 350.00 (Ft) Width: 20.00 (Ft) True Area: 7200.000002 (SqFt)						
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/2003	NU-IN	New Construction - Initial	0.00	0.00	<input checked="" type="checkbox"/>	

Network: SPACE COAST REG Branch: AP E EAST APRON Section: 4250 Surface: PCC L.C.D. 1/1/2011 Use: APRON Rank: P Length: 190.00 (Ft) Width: 200.00 (Ft) True Area: 38220.000001 (SqFt)						
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/2011	NU-IN	New Construction - Initial	0.00	0.00	<input checked="" type="checkbox"/>	

Network: SPACE COAST REG Branch: AP HELI HELICOPTER AP Section: 4255 Surface: AC L.C.D. 1/1/2012 Use: APRON Rank: P Length: 475.00 (Ft) Width: 70.00 (Ft) True Area: 32798.000001 (SqFt)						
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/2012	NU-IN	New Construction - Initial	0.00	0.00	<input checked="" type="checkbox"/>	2012: 2" P-401, 8" LIMEROCK, 8" S

Network: SPACE COAST REG Branch: AP HELI HELICOPTER AP Section: 4260 Surface: PCC L.C.D. 1/1/2012 Use: APRON Rank: P Length: 744.00 (Ft) Width: 510.00 (Ft) True Area: 364740.00001 (SqFt)						
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/2012	NU-IN	New Construction - Initial	0.00	7.25	<input checked="" type="checkbox"/>	2012: 7.25" FDOT CONCRETE SPE

Network: SPACE COAST REG Branch: AP W WEST APRON Section: 4305 Surface: PCC L.C.D. 1/1/2014 Use: APRON Rank: P Length: 1,600.00 (Ft) Width: 500.00 (Ft) True Area: 370471.00001 (SqFt)						
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/2014	NU-IN	New Construction - Initial	0.00	14.00	<input checked="" type="checkbox"/>	2014: 14" P-501, 6" P-211, COMPAC

Network: SPACE COAST REG Branch: AP W WEST APRON Section: 4310 Surface: AAC L.C.D. 1/1/2014 Use: APRON Rank: P Length: 68.00 (Ft) Width: 400.00 (Ft) True Area: 30464.000000 (SqFt)						
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/2014	ML-OV	MILL and OVERLAY	0.00	0.00	<input checked="" type="checkbox"/>	PARTIAL OVERLAY FROM AP W
1/1/2004	ML-OV	MILL and OVERLAY	0.00	0.00	<input checked="" type="checkbox"/>	
1/1/1943	NU-IN	New Construction - Initial	0.00	0.00	<input checked="" type="checkbox"/>	1943: 2" AC ON 8" LIMEROCK BAS

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Pavement Database: FDOT

Network: SPACE COAST REG		Branch: RW 18-36		RUNWAY 18-36		Section: 6105	Surface: AAC
L.C.D. 6/1/2002		Use: RUNWAY	Rank: P	Length: 5,000.00 (Ft)	Width: 100.00 (Ft)	True Area: 500000.0001 (SqFt)	
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments	
6/1/2002	ML-OL	Mill and Overlay	0.00	0.00	<input checked="" type="checkbox"/>	1971: MINIMUM 2" P-401 OVERLAY. SOIL: SP. 1943: 1" - 2" AC ON 8" LIME ROCK BASE	
1/1/1971	IMPORT ED	OVERLAY	0.00	2.00	<input checked="" type="checkbox"/>		
1/1/1943	IMPORT ED	BUILT	0.00	1.00	<input checked="" type="checkbox"/>		

Network: SPACE COAST REG		Branch: RW 18-36		RUNWAY 18-36		Section: 6110	Surface: AAC
L.C.D. 6/1/2002		Use: RUNWAY	Rank: P	Length: 10,000.00 (Ft)	Width: 25.00 (Ft)	True Area: 250000.0000 (SqFt)	
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments	
6/1/2002	ML-OL	Mill and Overlay	0.00	0.00	<input checked="" type="checkbox"/>	1971: MINIMUM 2" P-401 OVERLAY. SOIL: SP. 1943: 1" - 2" AC ON 8" LIME ROCK BASE	
1/1/1971	IMPORT ED	OVERLAY	0.00	2.00	<input checked="" type="checkbox"/>		
1/1/1943	IMPORT ED	BUILT	0.00	1.00	<input checked="" type="checkbox"/>		

Network: SPACE COAST REG		Branch: RW 18-36		RUNWAY 18-36		Section: 6125	Surface: AAC
L.C.D. 6/1/2002		Use: RUNWAY	Rank: P	Length: 1,000.00 (Ft)	Width: 100.00 (Ft)	True Area: 100000.0000 (SqFt)	
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments	
6/1/2002	ML-OL	Mill and Overlay	0.00	0.00	<input checked="" type="checkbox"/>	1971: MINIMUM 3" P-401 OVERLAY. SOIL: SP. 1967: 2" - 3" AC ON 7" - 8" LIME ROCK BASE	
1/1/1971	IMPORT ED	OVERLAY	0.00	3.00	<input checked="" type="checkbox"/>		
1/1/1967	IMPORT ED	BUILT	0.00	2.00	<input checked="" type="checkbox"/>		

Network: SPACE COAST REG		Branch: RW 18-36		RUNWAY 18-36		Section: 6130	Surface: AAC
L.C.D. 6/1/2002		Use: RUNWAY	Rank: P	Length: 2,000.00 (Ft)	Width: 25.00 (Ft)	True Area: 50000.00001 (SqFt)	
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments	
6/1/2002	ML-OL	Mill and Overlay	0.00	0.00	<input checked="" type="checkbox"/>	1971: MINIMUM 3" P-401 OVERLAY. SOIL: SP. 1967: 2" - 3" AC ON 7" - 8" LIME ROCK BASE	
1/1/1971	IMPORT ED	OVERLAY	0.00	3.00	<input checked="" type="checkbox"/>		
1/1/1967	IMPORT ED	BUILT	0.00	2.00	<input checked="" type="checkbox"/>		

Network: SPACE COAST REG		Branch: RW 18-36		RUNWAY 18-36		Section: 6145	Surface: AAC
L.C.D. 6/1/2002		Use: RUNWAY	Rank: P	Length: 1,319.00 (Ft)	Width: 100.00 (Ft)	True Area: 131900.0000 (SqFt)	
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments	
6/1/2002	ML-OL	Mill and Overlay	0.00	0.00	<input checked="" type="checkbox"/>		
1/1/1971	NU-IN	New Construction - Initial	0.00	0.00	<input checked="" type="checkbox"/>		

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Pavement Database: FDOT

Network: SPACE COAST REG		Branch: RW 18-36		RUNWAY 18-36		Section: 6150	Surface: AAC
L.C.D. 6/1/2002		Use: RUNWAY	Rank: P	Length: 2,600.00 (Ft)	Width: 25.00 (Ft)	True Area: 65950.00002 (SqFt)	
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments	
6/1/2002	ML-OL	Mill and Overlay	0.00	0.00	<input checked="" type="checkbox"/>	1971: MINIMUM 2" P-401 OVERLAY. SOIL: SP. 1967: 2" - 3" AC ON 7" - 8" LIME ROCK BASE	
1/1/1971	IMPORT ED	OVERLAY	0.00	2.00	<input checked="" type="checkbox"/>		
1/1/1967	IMPORT ED	BUILT	0.00	2.00	<input checked="" type="checkbox"/>		

Network: SPACE COAST REG		Branch: RW 9-27		RUNWAY 9-27		Section: 6205	Surface: AAC
L.C.D. 1/1/1998		Use: RUNWAY	Rank: S	Length: 1,650.00 (Ft)	Width: 100.00 (Ft)	True Area: 169743.0000 (SqFt)	
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments	
1/1/1998	ML-OL	Mill and Overlay	0.00	0.00	<input checked="" type="checkbox"/>	1976: MINIMUM 1.5" P-401 OVERLAY. THIS PAVEMENT HAS 1943: 3" - 4" AC ON 8" BASE	
1/1/1976	IMPORT ED	OVERLAY	0.00	1.50	<input checked="" type="checkbox"/>		
1/1/1943	IMPORT ED	BUILT	0.00	3.00	<input checked="" type="checkbox"/>		

Network: SPACE COAST REG		Branch: RW 9-27		RUNWAY 9-27		Section: 6210	Surface: AAC
L.C.D. 1/1/1998		Use: RUNWAY	Rank: S	Length: 3,200.00 (Ft)	Width: 100.00 (Ft)	True Area: 320000.0000 (SqFt)	
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments	
1/1/1998	OL-AS	Overlay - AC Structural	0.00	2.50	<input checked="" type="checkbox"/>	1998 2.5" P401	
1/1/1976	OL-AS	Overlay - AC Structural	0.00	1.50	<input checked="" type="checkbox"/>	1976 1.5" P401 OVERLAY ON	
1/1/1943	NC-AC	New Construction - AC	0.00	3.50	<input checked="" type="checkbox"/>	1943 3.5" P401 ON 8" P211	

Network: SPACE COAST REG		Branch: TW A		TAXIWAY A		Section: 105	Surface: AAC
L.C.D. 6/1/2002		Use: TAXIWAY	Rank: P	Length: 2,200.00 (Ft)	Width: 50.00 (Ft)	True Area: 114651.0000 (SqFt)	
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments	
6/1/2002	ML-OL	Mill and Overlay	0.00	0.00	<input checked="" type="checkbox"/>	1971: MINIMUM 4" P-401 OVERLAY. SOIL: SP. 1943: 1" - 2" AC ON 8" BASE	
1/1/1971	IMPORT ED	OVERLAY	0.00	4.00	<input checked="" type="checkbox"/>		
1/1/1943	IMPORT ED	BUILT	0.00	1.00	<input checked="" type="checkbox"/>		

Network: SPACE COAST REG		Branch: TW A		TAXIWAY A		Section: 110	Surface: AAC
L.C.D. 6/1/2002		Use: TAXIWAY	Rank: P	Length: 1,400.00 (Ft)	Width: 50.00 (Ft)	True Area: 70000.00002 (SqFt)	
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments	
6/1/2002	ML-OL	Mill and Overlay	0.00	0.00	<input checked="" type="checkbox"/>	THERE IS A 1992 SLURRY SEAL ON THIS FEATURE 1971: MINIMUM 3" P-401 OVERLAY. SOIL: SP. 1943: 1" - 2" AC ON 8" LIME ROCK BASE	
1/1/1992	IMPORT ED	REPAIR	0.00	0.00	<input type="checkbox"/>		
1/1/1971	IMPORT ED	OVERLAY	0.00	3.00	<input checked="" type="checkbox"/>		
1/1/1943	IMPORT ED	BUILT	0.00	1.00	<input checked="" type="checkbox"/>		

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Pavement Database: FDOT

Network: SPACE COAST REG		Branch: TW A		TAXIWAY A		Section: 112	Surface: AAC
L.C.D. 6/1/2002	Use: TAXIWAY	Rank: P	Length: 600.00 (Ft)	Width: 50.00 (Ft)	True Area: 30000.00000 (SqFt)		
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments	
6/1/2002	ML-OL	Mill and Overlay	0.00	0.00	<input checked="" type="checkbox"/>	1971: MINIMUM 3" P-401 OVERLAY. SOIL: SP. 1943: 1" - 2" AC ON 8" LIME ROCK BASE	
1/1/1971	IMPORT ED	OVERLAY	0.00	3.00	<input checked="" type="checkbox"/>		
1/1/1943	IMPORT ED	BUILT	0.00	1.00	<input checked="" type="checkbox"/>		

Network: SPACE COAST REG		Branch: TW A		TAXIWAY A		Section: 115	Surface: AAC
L.C.D. 6/1/2002	Use: TAXIWAY	Rank: P	Length: 1,000.00 (Ft)	Width: 50.00 (Ft)	True Area: 50000.00001 (SqFt)		
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments	
6/1/2002	ML-OL	Mill and Overlay	0.00	0.00	<input checked="" type="checkbox"/>	1971: MINIMUM 4" P-401 OVERLAY. SOIL: SP. 1967: 2" - 3" AC ON 7" - 8" LIME ROCK BASE	
1/1/1971	IMPORT ED	OVERLAY	0.00	4.00	<input checked="" type="checkbox"/>		
1/1/1967	IMPORT ED	BUILT	0.00	2.00	<input checked="" type="checkbox"/>		

Network: SPACE COAST REG		Branch: TW A		TAXIWAY A		Section: 120	Surface: AAC
L.C.D. 6/1/2002	Use: TAXIWAY	Rank: P	Length: 1,800.00 (Ft)	Width: 50.00 (Ft)	True Area: 90638.00002 (SqFt)		
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments	
6/1/2002	ML-OL	Mill and Overlay	0.00	0.00	<input checked="" type="checkbox"/>	1971: MINIMUM 2" P-401 OVERLAY. SOIL: SP. 1967: 2" - 3" AC ON 7" - 8" LIME ROCK BASE	
1/1/1971	IMPORT ED	OVERLAY	0.00	2.00	<input checked="" type="checkbox"/>		
1/1/1967	IMPORT ED	BUILT	0.00	2.00	<input checked="" type="checkbox"/>		

Network: SPACE COAST REG		Branch: TW A2		TAXIWAY A2		Section: 125	Surface: AAC
L.C.D. 6/1/2002	Use: TAXIWAY	Rank: P	Length: 600.00 (Ft)	Width: 500.00 (Ft)	True Area: 35137.00001 (SqFt)		
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments	
6/1/2002	ML-OL	Mill and Overlay	0.00	0.00	<input checked="" type="checkbox"/>	1971: MINIMUM 4" P-401 OVERLAY. SOIL: SP. 1943: 1" - 2" AC ON 8" LIME ROCK BASE	
1/1/1971	IMPORT ED	OVERLAY	0.00	4.00	<input checked="" type="checkbox"/>		
1/1/1943	IMPORT ED	BUILT	0.00	1.00	<input checked="" type="checkbox"/>		

Network: SPACE COAST REG		Branch: TW B		TAXIWAY B		Section: 205	Surface: AAC
L.C.D. 6/1/2002	Use: TAXIWAY	Rank: P	Length: 400.00 (Ft)	Width: 50.00 (Ft)	True Area: 22146.00000 (SqFt)		
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments	
6/1/2002	ML-OL	Mill and Overlay	0.00	0.00	<input checked="" type="checkbox"/>	1976 1.5" P401 OVERLAY. SEAL COAT. 1943 3.5" AC ON 8" LIMEROCK BASE	
1/1/1976	IMPORT ED	OVERLAY	0.00	1.50	<input checked="" type="checkbox"/>		
1/1/1943	IMPORT ED	BUILT	0.00	3.50	<input checked="" type="checkbox"/>		

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Network: SPACE COAST REG		Branch: TW B		TAXIWAY B		Section: 210	Surface: AAC
L.C.D. 1/1/2013		Use: TAXIWAY	Rank: P	Length: 4,600.00 (Ft)	Width: 50.00 (Ft)	True Area: 234359.0000 (SqFt)	
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments	
1/1/2013	ML-OV	MILL and OVERLAY	0.00	1.50	<input checked="" type="checkbox"/>	2013: 1.5" Mill and Overlay	
1/1/1976	IMPORT ED	OVERLAY	0.00	1.50	<input checked="" type="checkbox"/>	1976 1.5" P401 OVERLAY. SEAL COAT.	
1/1/1943	IMPORT ED	BUILT	0.00	3.50	<input checked="" type="checkbox"/>	1943 3.5" AC SURFACE ON 8" LIMEROCK BASE	

Network: SPACE COAST REG		Branch: TW C		TAXIWAY C		Section: 305	Surface: AAC
L.C.D. 1/1/2004		Use: TAXIWAY	Rank: P	Length: 700.00 (Ft)	Width: 65.00 (Ft)	True Area: 46879.00001 (SqFt)	
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments	
1/1/2004	ML-OL	Mill and Overlay	0.00	0.00	<input checked="" type="checkbox"/>		
1/1/1971	IMPORT ED	OVERLAY	0.00	3.00	<input checked="" type="checkbox"/>	1971 3" P401	
1/1/1943	IMPORT ED	BUILT	0.00	1.50	<input checked="" type="checkbox"/>	1943 1.5" AC SURFACE ON 8" LIMEROCK BASE	

Network: SPACE COAST REG		Branch: TW C		TAXIWAY C		Section: 310	Surface: AAC
L.C.D. 1/1/1986		Use: TAXIWAY	Rank: P	Length: 2,300.00 (Ft)	Width: 50.00 (Ft)	True Area: 116660.0000 (SqFt)	
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments	
1/1/1986	IMPORT ED	OVERLAY	0.00	1.50	<input checked="" type="checkbox"/>	1986 1.5" AC SURFACE	
1/1/1943	IMPORT ED	BUILT	0.00	1.50	<input checked="" type="checkbox"/>	1943 1.5" AC SURFACE ON 8" LIMEROCK BASE	

Network: SPACE COAST REG		Branch: TW C		TAXIWAY C		Section: 315	Surface: AAC
L.C.D. 1/1/2013		Use: TAXIWAY	Rank: P	Length: 600.00 (Ft)	Width: 50.00 (Ft)	True Area: 32856.00001 (SqFt)	
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments	
1/1/2013	ML-OV	MILL and OVERLAY	0.00	0.00	<input checked="" type="checkbox"/>	2013: 1.5" Mill and Overlay	
1/1/1976	IMPORT ED	OVERLAY	0.00	1.50	<input checked="" type="checkbox"/>	1976 1.5" P401 OVERLAY. EMULSION SEAL.	
1/1/1943	IMPORT ED	BUILT	0.00	1.50	<input checked="" type="checkbox"/>	1943 1.5" AC SURFACE ON 8" LIMEROCK BASE	

Network: SPACE COAST REG		Branch: TW D		TAXIWAY D		Section: 404	Surface: AAC
L.C.D. 1/1/2000		Use: TAXIWAY	Rank: T	Length: 400.00 (Ft)	Width: 50.00 (Ft)	True Area: 26461.00000 (SqFt)	
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments	
1/1/2000	ML-OV	MILL and OVERLAY	0.00	0.00	<input checked="" type="checkbox"/>		
1/1/1943	IMPORT ED	BUILT	0.00	2.00	<input checked="" type="checkbox"/>	1943 2" AC ON 8" LIME ROCK BASE	

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Pavement Database: FDOT

Network: SPACE COAST REG Branch: TW D TAXIWAY D Section: 408 Surface: AAC L.C.D. 1/1/2000 Use: TAXIWAY Rank: P Length: 150.00 (Ft) Width: 50.00 (Ft) True Area: 7500.000002 (SqFt)						
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/2000	ML-OV	MILL and OVERLAY	0.00	0.00	<input checked="" type="checkbox"/>	
1/1/1943	NU-IN	New Construction - Initial	0.00	0.00	<input checked="" type="checkbox"/>	

Network: SPACE COAST REG Branch: TW D TAXIWAY D Section: 410 Surface: AAC L.C.D. 1/1/2000 Use: TAXIWAY Rank: P Length: 1,450.00 (Ft) Width: 50.00 (Ft) True Area: 73750.000002 (SqFt)						
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/2000	ML-OV	MILL and OVERLAY	0.00	0.00	<input checked="" type="checkbox"/>	
1/1/1985	IMPORT ED	BUILT	0.00	0.00	<input checked="" type="checkbox"/>	ESTIMATE 1985 AC PAVEMENT

Network: SPACE COAST REG Branch: TW E TAXIWAY E Section: 505 Surface: AAC L.C.D. 1/1/1998 Use: TAXIWAY Rank: P Length: 600.00 (Ft) Width: 50.00 (Ft) True Area: 32371.000000 (SqFt)						
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/1998	ML-OV	MILL and OVERLAY	0.00	0.00	<input checked="" type="checkbox"/>	
1/1/1943	IMPORT ED	BUILT	0.00	2.00	<input checked="" type="checkbox"/>	ASSUME 1943 2" AC ON 8" LIMEROCK

Network: SPACE COAST REG Branch: TW E TAXIWAY E Section: 515 Surface: AAC L.C.D. 1/1/2003 Use: TAXIWAY Rank: P Length: 2,640.00 (Ft) Width: 50.00 (Ft) True Area: 113522.0000 (SqFt)						
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/2003	ML-OV	MILL and OVERLAY	0.00	0.00	<input checked="" type="checkbox"/>	
1/1/1943	IMPORT ED	BUILT	0.00	2.00	<input checked="" type="checkbox"/>	1943 2" AC ON 8" LIMEROCK

Network: SPACE COAST REG Branch: TW E TAXIWAY E Section: 525 Surface: AC L.C.D. 1/1/2014 Use: TAXIWAY Rank: P Length: 100.00 (Ft) Width: 85.00 (Ft) True Area: 8165.000002 (SqFt)						
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/2014	NU-IN	New Construction - Initial	0.00	0.00	<input checked="" type="checkbox"/>	

Network: SPACE COAST REG Branch: TW F TAXIWAY F Section: 605 Surface: AAC L.C.D. 1/1/1998 Use: TAXIWAY Rank: T Length: 580.00 (Ft) Width: 50.00 (Ft) True Area: 30388.000000 (SqFt)						
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
1/1/1998	ML-OV	MILL and OVERLAY	0.00	0.00	<input checked="" type="checkbox"/>	
1/1/1943	IMPORT ED	BUILT	0.00	2.00	<input checked="" type="checkbox"/>	1943: 2" AC ON 8" LIME ROCK BASE. SOIL: SP.

Summary:

Work Description	Section Count	Area Total (SqFt)	Thickness Avg (in)	Thickness STD (in)
BUILT	34	2,524,001.00	1.22	1.09
MILL and OVERLAY	38	2,706,680.00	0.04	0.24
New Construction - AC	2	325,405.00	1.75	1.75
New Construction - Initial	13	1,155,798.00	1.63	4.06
New Construction - PCC	2	145,277.00	0.00	0.00
OVERLAY	19	1,996,679.00	2.24	1.15
Overlay - AC	1	52,187.00	0.00	0.00
Overlay - AC Structural	2	640,000.00	2.00	0.50
REPAIR	7	286,981.00	0.00	0.00
Slurry Seal	1	52,187.00	0.00	0.00

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Pavement Database: FDOT

Branch ID	Number of Sections	Sum Section Length (Ft)	Avg Section Width (Ft)	True Area (SqFt)	Use	Average PCI	Standard Deviation PCI	Weighted Average PCI
AP E	21	8,969.00	81.14	628,932.00	APRON	76.76	13.93	74.28
AP HELI	2	1,219.00	290.00	397,538.00	APRON	93.50	3.50	96.42
AP W	2	1,668.00	450.00	400,935.00	APRON	85.50	13.50	96.95
RW 18-36	6	21,919.00	62.50	1,097,850.00	RUNWAY	61.67	2.62	61.25
RW 9-27	2	4,850.00	100.00	489,743.00	RUNWAY	58.00	5.00	56.47
TW A	5	7,000.00	50.00	355,289.00	TAXIWAY	66.60	1.02	66.62
TW A2	1	600.00	500.00	35,137.00	TAXIWAY	65.00	0.00	65.00
TW B	2	5,000.00	50.00	256,505.00	TAXIWAY	73.00	16.00	86.24
TW C	3	3,600.00	55.00	196,395.00	TAXIWAY	73.00	10.80	68.38
TW D	3	2,000.00	50.00	107,711.00	TAXIWAY	68.33	4.71	71.85
TW E	3	3,340.00	61.67	154,058.00	TAXIWAY	78.67	10.87	71.69
TW F	1	580.00	50.00	30,388.00	TAXIWAY	14.00	0.00	14.00

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Use Category	Number of Sections	Total Area (SqFt)	Arithmetic Average PCI	Average STD PCI	Weighted Average PCI
APRON	25	1,427,405.00	78.80	14.24	86.81
RUNWAY	8	1,587,593.00	60.75	3.73	59.77
TAXIWAY	18	1,135,483.00	67.67	16.14	71.08
ALL	51	4,150,481.00	72.04	15.58	72.17

Pavement Database: FDOT

NetworkId: TIX

Branch ID	Section ID	Last Const. Date	Surface	Use	Rank	Lanes	True Area (SqFt)	Last Inspection Date	Age At Inspection	PCI
AP E	4205	1/1/2008	AAC	APRON	P	0	101,014.00	3/4/2019	11	62
AP E	4211	6/1/2002	AAC	APRON	P	0	3,845.00	3/4/2019	17	67
AP E	4214	6/1/2002	APC	APRON	P	0	52,187.00	3/4/2019	17	56
AP E	4215	1/1/1971	AC	APRON	P	0	82,925.00	3/4/2019	48	45
AP E	4216	1/1/2008	AAC	APRON	P	0	48,836.00	3/4/2019	11	82
AP E	4218	1/1/2008	AAC	APRON	P	0	95,344.00	3/4/2019	11	80
AP E	4219	1/1/2015	AAC	APRON	P	0	8,237.00	3/4/2019	4	56
AP E	4220	1/1/2014	AAC	APRON	P	0	8,168.00	3/4/2019	5	83
AP E	4221	1/1/2008	AC	APRON	P	0	5,405.00	3/4/2019	11	71
AP E	4225	1/1/1991	PCC	APRON	P	0	8,700.00	3/4/2019	28	69
AP E	4226	1/1/2014	AAC	APRON	P	0	6,677.00	3/4/2019	5	72
AP E	4227	1/1/2014	AAC	APRON	P	0	6,560.00	3/4/2019	5	89
AP E	4228	1/1/2014	AAC	APRON	P	0	11,100.00	3/4/2019	5	89
AP E	4229	1/1/2012	AC	APRON	P	0	16,315.00	3/4/2019	7	88
AP E	4230	1/1/1991	PCC	APRON	P	0	9,576.00	3/4/2019	28	77
AP E	4232	1/1/2014	AAC	APRON	P	0	9,960.00	3/4/2019	5	79
AP E	4235	1/1/2015	PCC	APRON	P	0	93,090.00	3/4/2019	4	99
AP E	4240	1/1/2014	AAC	APRON	P	0	7,020.00	3/4/2019	5	91
AP E	4241	1/1/2014	AAC	APRON	P	0	8,553.00	3/4/2019	5	91
AP E	4245	1/1/2003	AC	APRON	P	0	7,200.00	3/4/2019	16	71
AP E	4250	1/1/2011	PCC	APRON	P	0	38,220.00	3/4/2019	8	95
AP HELI	4255	1/1/2012	AC	APRON	P	0	32,798.00	3/4/2019	7	90
AP HELI	4260	1/1/2012	PCC	APRON	P	0	364,740.00	3/4/2019	7	97
AP W	4305	1/1/2014	PCC	APRON	P	0	370,471.00	3/4/2019	5	99
AP W	4310	1/1/2014	AAC	APRON	P	0	30,464.00	3/4/2019	5	72
RW 18-36	6105	6/1/2002	AAC	RUNWAY	P	0	500,000.00	3/4/2019	17	62
RW 18-36	6110	6/1/2002	AAC	RUNWAY	P	0	250,000.00	3/4/2019	17	57
RW 18-36	6125	6/1/2002	AAC	RUNWAY	P	0	100,000.00	3/4/2019	17	62
RW 18-36	6130	6/1/2002	AAC	RUNWAY	P	0	50,000.00	3/4/2019	17	60
RW 18-36	6145	6/1/2002	AAC	RUNWAY	P	0	131,900.00	3/4/2019	17	65
RW 18-36	6150	6/1/2002	AAC	RUNWAY	P	0	65,950.00	3/4/2019	17	64
RW 9-27	6205	1/1/1998	AAC	RUNWAY	S	0	169,743.00	3/4/2019	21	63
RW 9-27	6210	1/1/1998	AAC	RUNWAY	S	0	320,000.00	3/4/2019	21	53
TW A	105	6/1/2002	AAC	TAXIWAY	P	0	114,651.00	3/4/2019	17	68
TW A	110	6/1/2002	AAC	TAXIWAY	P	0	70,000.00	3/4/2019	17	66
TW A	112	6/1/2002	AAC	TAXIWAY	P	0	30,000.00	3/4/2019	17	67
TW A	115	6/1/2002	AAC	TAXIWAY	P	0	50,000.00	3/4/2019	17	67
TW A	120	6/1/2002	AAC	TAXIWAY	P	0	90,638.00	3/4/2019	17	65
TW A2	125	6/1/2002	AAC	TAXIWAY	P	0	35,137.00	3/4/2019	17	65
TW B	205	6/1/2002	AAC	TAXIWAY	P	0	22,146.00	3/4/2019	17	57
TW B	210	1/1/2013	AAC	TAXIWAY	P	0	234,359.00	3/4/2019	6	89
TW C	305	1/1/2004	AAC	TAXIWAY	P	0	46,879.00	3/4/2019	15	68
TW C	310	1/1/1986	AAC	TAXIWAY	P	0	116,660.00	3/4/2019	33	63
TW C	315	1/1/2013	AAC	TAXIWAY	P	0	32,856.00	3/4/2019	6	88
TW D	404	1/1/2000	AAC	TAXIWAY	T	0	26,461.00	3/4/2019	19	65
TW D	408	1/1/2000	AAC	TAXIWAY	P	0	7,500.00	3/4/2019	19	65
TW D	410	1/1/2000	AAC	TAXIWAY	P	0	73,750.00	3/4/2019	19	75
TW E	505	1/1/1998	AAC	TAXIWAY	P	0	32,371.00	3/4/2019	21	72
TW E	515	1/1/2003	AAC	TAXIWAY	P	0	113,522.00	3/4/2019	16	70
TW E	525	1/1/2014	AC	TAXIWAY	P	0	8,165.00	3/4/2019	5	94

TW F	605	1/1/1998	AAC	TAXIWAY	T	0	30,388.00	3/4/2019	21	14
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Pavement Database: FDOT

Age Category	Average Age at Inspection	Total Area (SqFt)	Number of Sections	Arithmetic Average PCI	Standard Deviation PCI	Weighted Average PCI
03-05	5	568,465.00	12	84.50	12.22	95.43
06-10	7	719,288.00	6	91.17	3.53	93.35
11-15	12	297,478.00	5	72.60	7.47	72.16
16-20	17	1,794,887.00	20	64.70	4.66	63.42
21-25	21	552,502.00	4	50.50	22.12	55.04
26-30	28	18,276.00	2	73.00	4.00	73.19
31-35	33	116,660.00	1	63.00	0.00	63.00
41-50	48	82,925.00	1	45.00	0.00	45.00
ALL	14	4,150,481.00	51	72.04	15.58	72.17

Appendix B

Airfield Pavement Localized Maintenance and Repair and
Major Rehabilitation



Table B-1 Localized Maintenance and Repair Needs based on Current Condition

Network ID	Branch ID	Section ID	Distress Code	Description	Severity	Distress Qty	Distress Unit	Percent Distress	Work Description	Work Qty	Work Unit	Unit Cost	Work Cost
TIX	AP E	4205	57	WEATHERING	Medium	26835.94	SqFt	26.6%	FDOT - SURFACE SEAL	26835.5	SqFt	\$ 0.55	\$ 14,760.00
TIX	AP E	4211	52	RAVELING	Low	141.98	SqFt	3.7%	FDOT - SURFACE SEAL	142.1	SqFt	\$ 0.55	\$ 80.00
TIX	AP E	4211	57	WEATHERING	Medium	2703.03	SqFt	70.3%	FDOT - SURFACE SEAL	2702.8	SqFt	\$ 0.55	\$ 1,490.00
TIX	AP E	4214	47	JT REF. CR	Medium	1043.73	Ft	2.0%	FDOT - CRACK SEALING - AC	1043.6	Ft	\$ 3.00	\$ 3,140.00
TIX	AP E	4214	48	L & T CR	Medium	613.98	Ft	1.2%	FDOT - CRACK SEALING - AC	613.9	Ft	\$ 3.00	\$ 1,850.00
TIX	AP E	4214	52	RAVELING	Low	429.8	SqFt	0.8%	FDOT - SURFACE SEAL	429.5	SqFt	\$ 0.55	\$ 240.00
TIX	AP E	4214	57	WEATHERING	Medium	23023.68	SqFt	44.1%	FDOT - SURFACE SEAL	23024	SqFt	\$ 0.55	\$ 12,670.00
TIX	AP E	4215	52	RAVELING	Low	31390.04	SqFt	37.9%	FDOT - SURFACE SEAL	31389.7	SqFt	\$ 0.55	\$ 17,270.00
TIX	AP E	4215	52	RAVELING	Medium	51534.91	SqFt	62.2%	FDOT - PATCHING - AC PARTIAL DEPTH	51535.5	SqFt	\$ 5.50	\$ 283,450.00
TIX	AP E	4216	57	WEATHERING	Medium	12204.34	SqFt	25.0%	FDOT - SURFACE SEAL	12204.1	SqFt	\$ 0.55	\$ 6,720.00
TIX	AP E	4218	57	WEATHERING	Medium	23836.03	SqFt	25.0%	FDOT - SURFACE SEAL	23835.6	SqFt	\$ 0.55	\$ 13,110.00
TIX	AP E	4219	52	RAVELING	Low	4562.5	SqFt	55.4%	FDOT - SURFACE SEAL	4562.8	SqFt	\$ 0.55	\$ 2,510.00
TIX	AP E	4220	52	RAVELING	Low	406.77	SqFt	5.0%	FDOT - SURFACE SEAL	406.9	SqFt	\$ 0.55	\$ 230.00
TIX	AP E	4221	52	RAVELING	Low	106.99	SqFt	2.0%	FDOT - SURFACE SEAL	106.6	SqFt	\$ 0.55	\$ 60.00
TIX	AP E	4221	57	WEATHERING	Medium	1499.95	SqFt	27.8%	FDOT - SURFACE SEAL	1500.5	SqFt	\$ 0.55	\$ 830.00
TIX	AP E	4225	72	SHAT. SLAB	Low	1.85	Slabs	3.9%	FDOT - CRACK SEALING - PCC	49.9	Ft	\$ 4.25	\$ 220.00
TIX	AP E	4226	52	RAVELING	Low	58.02	SqFt	0.9%	FDOT - SURFACE SEAL	58.1	SqFt	\$ 0.55	\$ 40.00
TIX	AP E	4227	52	RAVELING	Low	64.48	SqFt	1.0%	FDOT - SURFACE SEAL	64.6	SqFt	\$ 0.55	\$ 40.00
TIX	AP E	4228	52	RAVELING	Low	110.01	SqFt	1.0%	FDOT - SURFACE SEAL	109.8	SqFt	\$ 0.55	\$ 70.00
TIX	AP E	4229	52	RAVELING	Low	162.1	SqFt	1.0%	FDOT - SURFACE SEAL	162.5	SqFt	\$ 0.55	\$ 90.00
TIX	AP E	4232	52	RAVELING	Low	186.97	SqFt	1.9%	FDOT - SURFACE SEAL	187.3	SqFt	\$ 0.55	\$ 110.00
TIX	AP E	4240	52	RAVELING	Low	69.86	SqFt	1.0%	FDOT - SURFACE SEAL	70	SqFt	\$ 0.55	\$ 40.00
TIX	AP E	4241	52	RAVELING	Low	86.11	SqFt	1.0%	FDOT - SURFACE SEAL	86.1	SqFt	\$ 0.55	\$ 50.00
TIX	AP E	4245	52	RAVELING	Low	360.05	SqFt	5.0%	FDOT - SURFACE SEAL	359.5	SqFt	\$ 0.55	\$ 200.00
TIX	AP E	4245	57	WEATHERING	Medium	6840.03	SqFt	95.0%	FDOT - SURFACE SEAL	6840.5	SqFt	\$ 0.55	\$ 3,770.00
TIX	AP HELI	4260	74	JOINT SPALL	Low	29.28	Slabs	1.1%	FDOT - CRACK SEALING - PCC	47.9	Ft	\$ 4.25	\$ 210.00
TIX	AP HELI	4260	75	CORNER SPALL	Medium	9.76	Slabs	0.4%	FDOT - PATCHING - PCC PARTIAL DEPTH	25.8	SqFt	\$ 72.00	\$ 1,900.00
TIX	AP W	4310	48	L & T CR	Medium	240.62	Ft	0.8%	FDOT - CRACK SEALING - AC	240.5	Ft	\$ 3.00	\$ 730.00
TIX	AP W	4310	57	WEATHERING	Medium	11567.44	SqFt	38.0%	FDOT - SURFACE SEAL	11566.9	SqFt	\$ 0.55	\$ 6,370.00
TIX	RW 18-36	6105	48	L & T CR	Medium	8314.99	Ft	1.7%	FDOT - CRACK SEALING - AC	8315	Ft	\$ 3.00	\$ 24,950.00
TIX	RW 18-36	6105	48	L & T CR	High	25	Ft	0.0%	FDOT - CRACK SEALING - AC	24.9	Ft	\$ 3.00	\$ 80.00
TIX	RW 18-36	6105	52	RAVELING	Low	29500	SqFt	5.9%	FDOT - SURFACE SEAL	29499.6	SqFt	\$ 0.55	\$ 16,230.00
TIX	RW 18-36	6105	52	RAVELING	Medium	199.99	SqFt	0.0%	FDOT - PATCHING - AC PARTIAL DEPTH	200.2	SqFt	\$ 5.50	\$ 1,100.00
TIX	RW 18-36	6105	52	RAVELING	High	14.96	SqFt	0.0%	FDOT - PATCHING - AC PARTIAL DEPTH	15.1	SqFt	\$ 5.50	\$ 90.00
TIX	RW 18-36	6105	57	WEATHERING	Medium	212000.06	SqFt	42.4%	FDOT - SURFACE SEAL	211999.5	SqFt	\$ 0.55	\$ 116,610.00
TIX	RW 18-36	6110	48	L & T CR	Medium	7250	Ft	2.9%	FDOT - CRACK SEALING - AC	7250	Ft	\$ 3.00	\$ 21,750.00
TIX	RW 18-36	6110	52	RAVELING	Low	12225	SqFt	4.9%	FDOT - SURFACE SEAL	12224.6	SqFt	\$ 0.55	\$ 6,730.00



Network ID	Branch ID	Section ID	Distress Code	Description	Severity	Distress Qty	Distress Unit	Percent Distress	Work Description	Work Qty	Work Unit	Unit Cost	Work Cost
TIX	RW 18-36	6110	57	WEATHERING	Medium	119535.06	SqFt	47.8%	FDOT - SURFACE SEAL	119535.4	SqFt	\$ 0.55	\$ 65,750.00
TIX	RW 18-36	6125	48	L & T CR	Medium	948	Ft	1.0%	FDOT - CRACK SEALING - AC	948.2	Ft	\$ 3.00	\$ 2,850.00
TIX	RW 18-36	6125	52	RAVELING	Low	3599.99	SqFt	3.6%	FDOT - SURFACE SEAL	3600.5	SqFt	\$ 0.55	\$ 1,990.00
TIX	RW 18-36	6125	52	RAVELING	Medium	20.02	SqFt	0.0%	FDOT - PATCHING - AC PARTIAL DEPTH	20.5	SqFt	\$ 5.50	\$ 110.00
TIX	RW 18-36	6125	57	WEATHERING	Medium	38400.04	SqFt	38.4%	FDOT - SURFACE SEAL	38400.3	SqFt	\$ 0.55	\$ 21,130.00
TIX	RW 18-36	6130	48	L & T CR	Medium	2250	Ft	4.5%	FDOT - CRACK SEALING - AC	2250	Ft	\$ 3.00	\$ 6,750.00
TIX	RW 18-36	6130	57	WEATHERING	Medium	25000.04	SqFt	50.0%	FDOT - SURFACE SEAL	25000.3	SqFt	\$ 0.55	\$ 13,760.00
TIX	RW 18-36	6145	48	L & T CR	Medium	58.83	Ft	0.0%	FDOT - CRACK SEALING - AC	58.7	Ft	\$ 3.00	\$ 180.00
TIX	RW 18-36	6145	50	PATCHING	Medium	151.99	SqFt	0.1%	FDOT - PATCHING - AC FULL DEPTH	205.6	SqFt	\$ 12.50	\$ 2,580.00
TIX	RW 18-36	6145	52	RAVELING	Low	5977.2	SqFt	4.5%	FDOT - SURFACE SEAL	5977.2	SqFt	\$ 0.55	\$ 3,290.00
TIX	RW 18-36	6145	57	WEATHERING	Medium	90711.89	SqFt	68.8%	FDOT - SURFACE SEAL	90711.8	SqFt	\$ 0.55	\$ 49,900.00
TIX	RW 18-36	6150	48	L & T CR	Medium	1918.54	Ft	2.9%	FDOT - CRACK SEALING - AC	1918.6	Ft	\$ 3.00	\$ 5,760.00
TIX	RW 18-36	6150	52	RAVELING	Low	1141.51	SqFt	1.7%	FDOT - SURFACE SEAL	1142.1	SqFt	\$ 0.55	\$ 630.00
TIX	RW 18-36	6150	57	WEATHERING	Medium	56117.43	SqFt	85.1%	FDOT - SURFACE SEAL	56117.7	SqFt	\$ 0.55	\$ 30,870.00
TIX	RW 9-27	6205	48	L & T CR	Medium	969.95	Ft	0.6%	FDOT - CRACK SEALING - AC	969.8	Ft	\$ 3.00	\$ 2,910.00
TIX	RW 9-27	6205	52	RAVELING	Low	12366.98	SqFt	7.3%	FDOT - SURFACE SEAL	12366.7	SqFt	\$ 0.55	\$ 6,810.00
TIX	RW 9-27	6205	57	WEATHERING	Medium	68018.44	SqFt	40.1%	FDOT - SURFACE SEAL	68018.2	SqFt	\$ 0.55	\$ 37,420.00
TIX	RW 9-27	6210	48	L & T CR	Medium	1550.75	Ft	0.5%	FDOT - CRACK SEALING - AC	1550.9	Ft	\$ 3.00	\$ 4,660.00
TIX	RW 9-27	6210	52	RAVELING	Low	34953.86	SqFt	10.9%	FDOT - SURFACE SEAL	34953.7	SqFt	\$ 0.55	\$ 19,230.00
TIX	RW 9-27	6210	56	SWELLING	Medium	492.34	SqFt	0.2%	FDOT - PATCHING - AC FULL DEPTH	585.6	SqFt	\$ 12.50	\$ 7,330.00
TIX	RW 9-27	6210	57	WEATHERING	Medium	138461.56	SqFt	43.3%	FDOT - SURFACE SEAL	138461.6	SqFt	\$ 0.55	\$ 76,160.00
TIX	TW A	105	48	L & T CR	Medium	1122.28	Ft	1.0%	FDOT - CRACK SEALING - AC	1122.4	Ft	\$ 3.00	\$ 3,370.00
TIX	TW A	105	57	WEATHERING	Medium	114651.04	SqFt	100.0%	FDOT - SURFACE SEAL	114650.7	SqFt	\$ 0.55	\$ 63,060.00
TIX	TW A	110	52	RAVELING	Low	933.34	SqFt	1.3%	FDOT - SURFACE SEAL	933.2	SqFt	\$ 0.55	\$ 520.00
TIX	TW A	110	57	WEATHERING	Medium	69066.63	SqFt	98.7%	FDOT - SURFACE SEAL	69066.6	SqFt	\$ 0.55	\$ 37,990.00
TIX	TW A	112	48	L & T CR	Medium	300	Ft	1.0%	FDOT - CRACK SEALING - AC	299.9	Ft	\$ 3.00	\$ 900.00
TIX	TW A	112	52	RAVELING	Low	599.98	SqFt	2.0%	FDOT - SURFACE SEAL	599.6	SqFt	\$ 0.55	\$ 330.00
TIX	TW A	112	57	WEATHERING	Medium	29400.01	SqFt	98.0%	FDOT - SURFACE SEAL	29399.5	SqFt	\$ 0.55	\$ 16,180.00
TIX	TW A	115	48	L & T CR	Medium	500	Ft	1.0%	FDOT - CRACK SEALING - AC	500	Ft	\$ 3.00	\$ 1,500.00
TIX	TW A	115	52	RAVELING	Low	999.97	SqFt	2.0%	FDOT - SURFACE SEAL	1000	SqFt	\$ 0.55	\$ 550.00
TIX	TW A	115	57	WEATHERING	Medium	49000.01	SqFt	98.0%	FDOT - SURFACE SEAL	48999.5	SqFt	\$ 0.55	\$ 26,960.00
TIX	TW A	120	48	L & T CR	Medium	1650.95	Ft	1.8%	FDOT - CRACK SEALING - AC	1650.9	Ft	\$ 3.00	\$ 4,960.00
TIX	TW A	120	52	RAVELING	Low	3406.45	SqFt	3.8%	FDOT - SURFACE SEAL	3406.8	SqFt	\$ 0.55	\$ 1,880.00
TIX	TW A	120	57	WEATHERING	Medium	85580.51	SqFt	94.4%	FDOT - SURFACE SEAL	85580.6	SqFt	\$ 0.55	\$ 47,070.00
TIX	TW A2	125	48	L & T CR	Medium	593.83	Ft	1.7%	FDOT - CRACK SEALING - AC	593.8	Ft	\$ 3.00	\$ 1,790.00
TIX	TW A2	125	52	RAVELING	Low	1006.53	SqFt	2.9%	FDOT - SURFACE SEAL	1006.4	SqFt	\$ 0.55	\$ 560.00
TIX	TW A2	125	57	WEATHERING	Medium	21567.97	SqFt	61.4%	FDOT - SURFACE SEAL	21567.7	SqFt	\$ 0.55	\$ 11,870.00
TIX	TW B	205	52	RAVELING	Low	1107.28	SqFt	5.0%	FDOT - SURFACE SEAL	1107.6	SqFt	\$ 0.55	\$ 610.00
TIX	TW B	205	57	WEATHERING	Medium	21038.71	SqFt	95.0%	FDOT - SURFACE SEAL	21039.1	SqFt	\$ 0.55	\$ 11,580.00



Network ID	Branch ID	Section ID	Distress Code	Description	Severity	Distress Qty	Distress Unit	Percent Distress	Work Description	Work Qty	Work Unit	Unit Cost	Work Cost
TIX	TW B	210	52	RAVELING	Low	329.7	SqFt	0.1%	FDOT - SURFACE SEAL	329.4	SqFt	\$ 0.55	\$ 190.00
TIX	TW C	305	52	RAVELING	Low	1536.33	SqFt	3.3%	FDOT - SURFACE SEAL	1536	SqFt	\$ 0.55	\$ 850.00
TIX	TW C	305	57	WEATHERING	Medium	35792.37	SqFt	76.4%	FDOT - SURFACE SEAL	35792.2	SqFt	\$ 0.55	\$ 19,690.00
TIX	TW C	310	48	L & T CR	Medium	3218.6	Ft	2.8%	FDOT - CRACK SEALING - AC	3218.5	Ft	\$ 3.00	\$ 9,660.00
TIX	TW C	310	52	RAVELING	Low	55213.8	SqFt	47.3%	FDOT - SURFACE SEAL	55213.5	SqFt	\$ 0.55	\$ 30,370.00
TIX	TW C	310	52	RAVELING	Medium	1170.36	SqFt	1.0%	FDOT - PATCHING - AC PARTIAL DEPTH	1170	SqFt	\$ 5.50	\$ 6,440.00
TIX	TW C	310	57	WEATHERING	Medium	36575.12	SqFt	31.4%	FDOT - SURFACE SEAL	36574.7	SqFt	\$ 0.55	\$ 20,120.00
TIX	TW D	404	48	L & T CR	Medium	264.6	Ft	1.0%	FDOT - CRACK SEALING - AC	264.8	Ft	\$ 3.00	\$ 800.00
TIX	TW D	404	52	RAVELING	Low	1323.1	SqFt	5.0%	FDOT - SURFACE SEAL	1322.9	SqFt	\$ 0.55	\$ 730.00
TIX	TW D	404	57	WEATHERING	Medium	25137.93	SqFt	95.0%	FDOT - SURFACE SEAL	25138	SqFt	\$ 0.55	\$ 13,830.00
TIX	TW D	408	48	L & T CR	Medium	150	Ft	2.0%	FDOT - CRACK SEALING - AC	149.9	Ft	\$ 3.00	\$ 450.00
TIX	TW D	408	52	RAVELING	Low	375.98	SqFt	5.0%	FDOT - SURFACE SEAL	375.7	SqFt	\$ 0.55	\$ 210.00
TIX	TW D	408	57	WEATHERING	Medium	7123.99	SqFt	95.0%	FDOT - SURFACE SEAL	7123.6	SqFt	\$ 0.55	\$ 3,920.00
TIX	TW D	410	52	RAVELING	Low	1008.36	SqFt	1.4%	FDOT - SURFACE SEAL	1008.6	SqFt	\$ 0.55	\$ 560.00
TIX	TW D	410	57	WEATHERING	Medium	45923.47	SqFt	62.3%	FDOT - SURFACE SEAL	45923.2	SqFt	\$ 0.55	\$ 25,260.00
TIX	TW E	505	48	L & T CR	Medium	323.72	Ft	1.0%	FDOT - CRACK SEALING - AC	323.8	Ft	\$ 3.00	\$ 980.00
TIX	TW E	505	57	WEATHERING	Medium	20231.85	SqFt	62.5%	FDOT - SURFACE SEAL	20231.9	SqFt	\$ 0.55	\$ 11,130.00
TIX	TW E	515	45	DEPRESSION	Low	157.26	SqFt	0.1%	FDOT - PATCHING - AC FULL DEPTH	212.1	SqFt	\$ 12.50	\$ 2,650.00
TIX	TW E	515	52	RAVELING	Low	2207.25	SqFt	1.9%	FDOT - SURFACE SEAL	2207.7	SqFt	\$ 0.55	\$ 1,220.00
TIX	TW E	515	52	RAVELING	Medium	15.72	SqFt	0.0%	FDOT - PATCHING - AC PARTIAL DEPTH	16.2	SqFt	\$ 5.50	\$ 90.00
TIX	TW E	515	57	WEATHERING	Medium	70310.94	SqFt	61.9%	FDOT - SURFACE SEAL	70310.9	SqFt	\$ 0.55	\$ 38,680.00
TIX	TW F	605	41	ALLIGATOR CR	Medium	448.32	SqFt	1.5%	FDOT - PATCHING - AC FULL DEPTH	537.1	SqFt	\$ 12.50	\$ 6,720.00
TIX	TW F	605	41	ALLIGATOR CR	High	7.64	SqFt	0.0%	FDOT - PATCHING - AC FULL DEPTH	22.6	SqFt	\$ 12.50	\$ 290.00
TIX	TW F	605	43	BLOCK CR	Medium	26447.47	SqFt	87.0%	FDOT - CRACK SEALING - AC	8061.4	Ft	\$ 3.00	\$ 24,190.00
TIX	TW F	605	50	PATCHING	Medium	25.51	SqFt	0.1%	FDOT - PATCHING - AC FULL DEPTH	49.5	SqFt	\$ 12.50	\$ 630.00
TIX	TW F	605	52	RAVELING	Medium	24048.08	SqFt	79.1%	FDOT - PATCHING - AC PARTIAL DEPTH	24047.7	SqFt	\$ 5.50	\$ 132,270.00
TIX	TW F	605	52	RAVELING	High	15.28	SqFt	0.1%	FDOT - PATCHING - AC PARTIAL DEPTH	15.1	SqFt	\$ 5.50	\$ 90.00



Table B-2 10-Year Major Rehabilitation Planning Needs at Section Level

Program Year	Network ID	Branch ID	Section ID	Surface	Area (SF)	PCI Before	Rehabilitation Type	Planning Cost
2020	TIX	AP E	4205	AAC	101,014	61	AC Restoration	\$ 1,112,000.00
2020	TIX	AP E	4214	APC	52,187	54	AC Restoration	\$ 575,000.00
2020	TIX	AP E	4215	AC	82,925	43	AC Restoration	\$ 1,070,000.00
2020	TIX	AP E	4219	AAC	8,237	54	AC Restoration	\$ 91,000.00
2020	TIX	RW 18-36	6105	AAC	500,000	59	AC Restoration	\$ 5,500,000.00
2020	TIX	RW 18-36	6110	AAC	250,000	55	AC Restoration	\$ 2,750,000.00
2020	TIX	RW 18-36	6125	AAC	100,000	59	AC Restoration	\$ 1,100,000.00
2020	TIX	RW 18-36	6130	AAC	50,000	58	AC Restoration	\$ 550,000.00
2020	TIX	RW 18-36	6145	AAC	131,900	62	AC Restoration	\$ 1,451,000.00
2020	TIX	RW 18-36	6150	AAC	65,950	61	AC Restoration	\$ 726,000.00
2020	TIX	RW 9-27	6205	AAC	169,743	60	AC Restoration	\$ 1,868,000.00
2020	TIX	RW 9-27	6210	AAC	320,000	52	AC Restoration	\$ 3,520,000.00
2020	TIX	TW A	110	AAC	70,000	64	AC Restoration	\$ 770,000.00
2020	TIX	TW A	120	AAC	90,638	63	AC Restoration	\$ 997,000.00
2020	TIX	TW A2	125	AAC	35,137	63	AC Restoration	\$ 387,000.00
2020	TIX	TW B	205	AAC	22,146	56	AC Restoration	\$ 244,000.00
2020	TIX	TW C	310	AAC	116,660	62	AC Restoration	\$ 1,284,000.00
2020	TIX	TW D	404	AAC	26,461	63	AC Restoration	\$ 292,000.00
2020	TIX	TW D	408	AAC	7,500	63	AC Restoration	\$ 83,000.00
2020	TIX	TW F	605	AAC	30,388	10	AC Reconstruction	\$ 426,000.00
2021	TIX	AP E	4211	AAC	3,845	63	AC Restoration	\$ 43,000.00
2021	TIX	TW A	112	AAC	30,000	64	AC Restoration	\$ 330,000.00
2021	TIX	TW A	115	AAC	50,000	64	AC Restoration	\$ 550,000.00
2022	TIX	AP E	4225	PCC	8,700	64	PCC Restoration	\$ 148,000.00
2022	TIX	TW A	105	AAC	114,651	63	AC Restoration	\$ 1,262,000.00
2022	TIX	TW C	305	AAC	46,879	63	AC Restoration	\$ 516,000.00

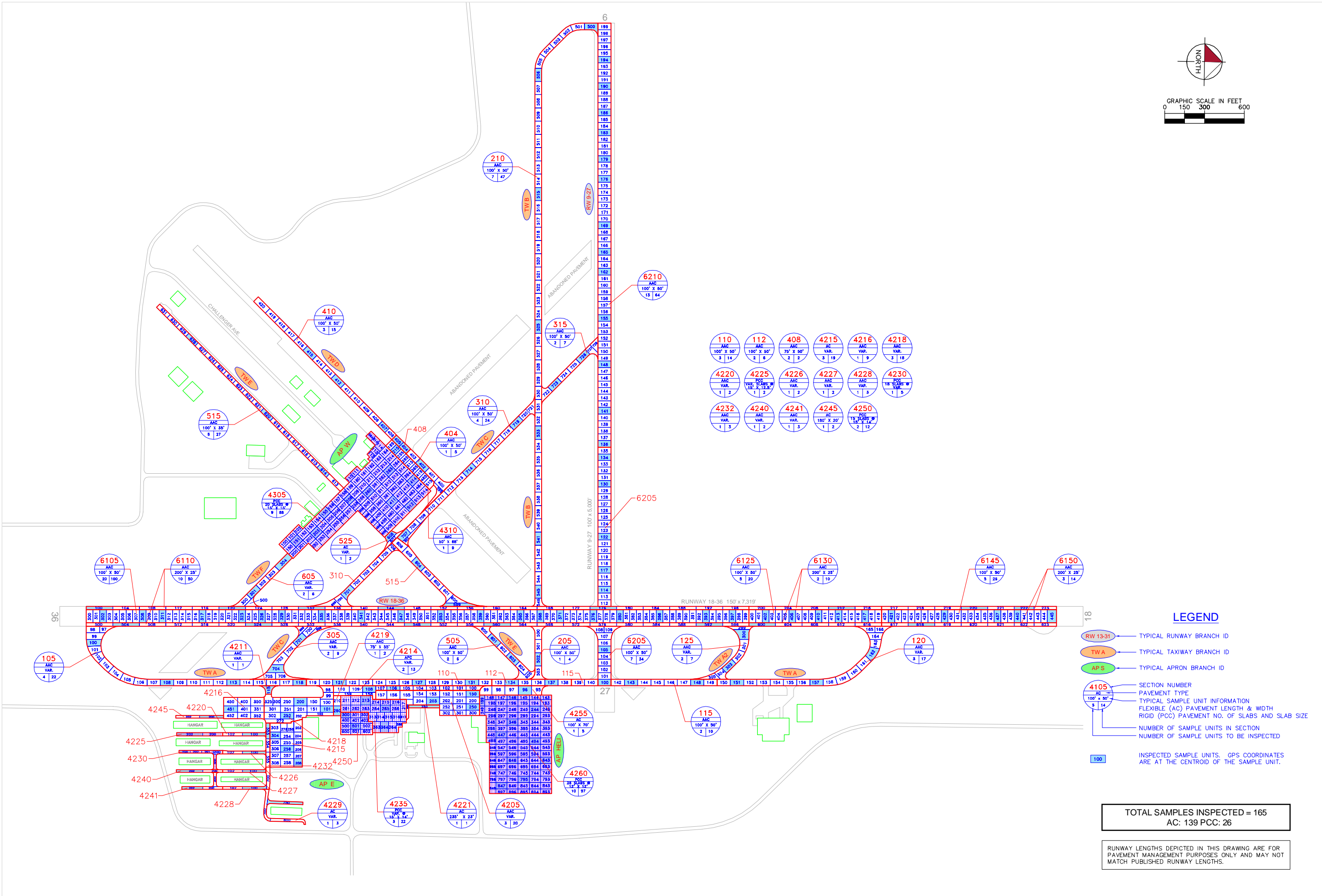


Program Year	Network ID	Branch ID	Section ID	Surface	Area (SF)	PCI Before	Rehabilitation Type	Planning Cost
2023	TIX	AP E	4221	AC	5,405	64	AC Restoration	\$ 60,000.00
2023	TIX	AP E	4226	AAC	6,677	64	AC Restoration	\$ 74,000.00
2023	TIX	AP E	4245	AC	7,200	64	AC Restoration	\$ 80,000.00
2023	TIX	AP W	4310	AAC	30,464	64	AC Restoration	\$ 336,000.00
2023	TIX	TW E	515	AAC	113,522	64	AC Restoration	\$ 1,249,000.00
2024	TIX	TW E	505	AAC	32,371	64	AC Restoration	\$ 357,000.00
2026	TIX	AP E	4218	AAC	95,344	64	AC Restoration	\$ 1,049,000.00
2026	TIX	AP E	4232	AAC	9,960	63	AC Restoration	\$ 110,000.00
2026	TIX	TW D	410	AAC	73,750	63	AC Restoration	\$ 812,000.00
2027	TIX	AP E	4216	AAC	48,836	63	AC Restoration	\$ 538,000.00
2027	TIX	AP E	4220	AAC	8,168	64	AC Restoration	\$ 90,000.00
2028	TIX	AP E	4230	PCC	9,576	64	PCC Restoration	\$ 163,000.00
2029	TIX	AP E	4227	AAC	6,560	64	AC Restoration	\$ 73,000.00
2029	TIX	AP E	4228	AAC	11,100	64	AC Restoration	\$ 123,000.00

Appendix C

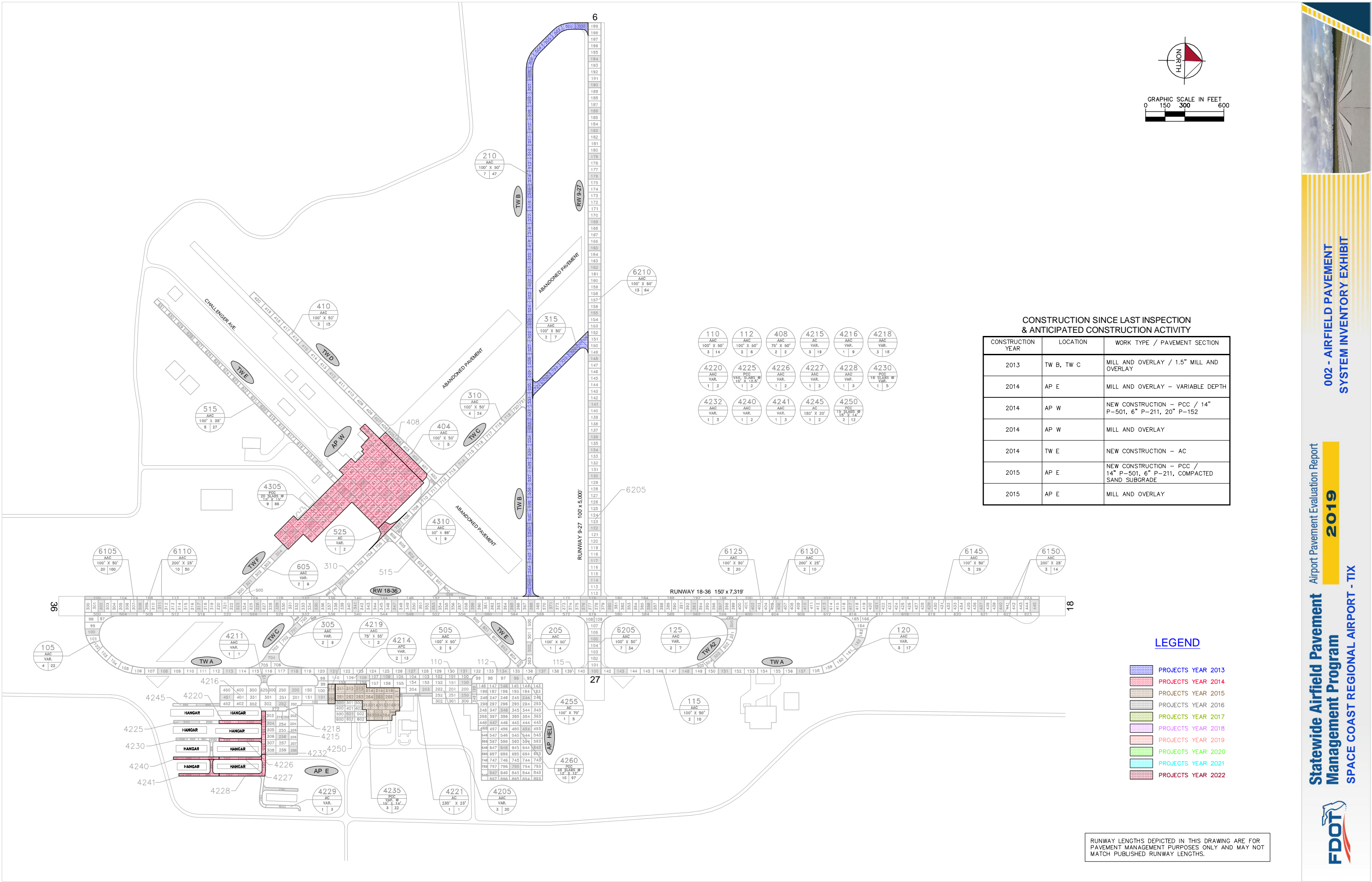
Technical Exhibits





001 - AIRFIELD PAVEMENT
NETWORK DEFINITION EXHIBIT



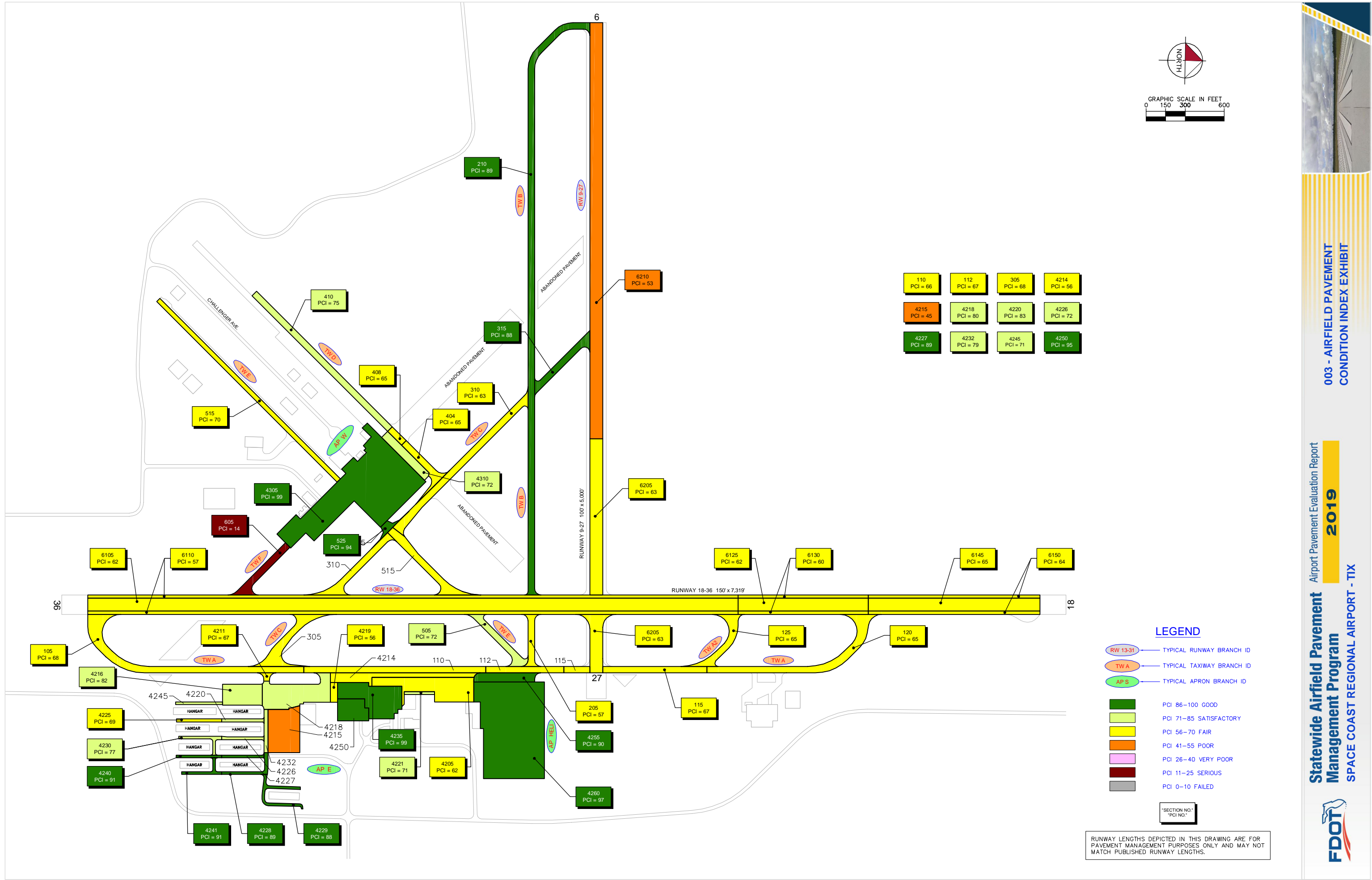


CONSTRUCTION SINCE LAST INSPECTION & ANTICIPATED CONSTRUCTION ACTIVITY		
CONSTRUCTION YEAR	LOCATION	WORK TYPE / PAVEMENT SECTION
2013	TW B, TW C	MILL AND OVERLAY / 1.5" MILL AND OVERLAY
2014	AP E	MILL AND OVERLAY - VARIABLE DEPTH
2014	AP W	NEW CONSTRUCTION - PCC / 14" P-501, 6" P-211, 20" P-152
2014	AP W	MILL AND OVERLAY
2014	TW E	NEW CONSTRUCTION - AC
2015	AP E	NEW CONSTRUCTION - PCC / 14" P-501, 6" P-211, COMPACTED SAND SUBGRADE
2015	AP E	MILL AND OVERLAY

LEGEND

- PROJECTS YEAR 2013
- PROJECTS YEAR 2014
- PROJECTS YEAR 2015
- PROJECTS YEAR 2016
- PROJECTS YEAR 2017
- PROJECTS YEAR 2018
- PROJECTS YEAR 2019
- PROJECTS YEAR 2020
- PROJECTS YEAR 2021
- PROJECTS YEAR 2022





Appendix D

Inspection Photograph Documentation



RUNWAY 9-27, Section 6210, Sample Unit 148 - Low Severity (43) Block Cracking, Low Severity (48) Longitudinal & Transverse Cracking, and Low Severity (57) Weathering



RW 9-27, Section 6210, Sample Unit 162 - Low Severity (43) Block Cracking, Low Severity (48) Longitudinal & Transverse Cracking, Medium Severity (48) Longitudinal & Transverse Cracking, Low Severity (57) Weathering, and Medium Severity (57) Weathering



RW 18-36, Section 6105, Sample Unit 386 - Severity (48) Longitudinal & Transverse Cracking, High Severity (48) Longitudinal & Transverse Cracking, Low Severity (52) Raveling, and Medium Severity (52) Raveling



RW 18-36, Section 6110, Sample Unit 176 - Low Severity (48) Longitudinal & Transverse Cracking, Low Severity (52) Raveling, and Low Severity (57) Weathering



TW A, Section 120, Sample Unit 162 - Low Severity (48) Longitudinal & Transverse Cracking, Medium Severity (48) Longitudinal & Transverse Cracking, Low Severity (52) Raveling, and Medium Severity (57) Weathering



TW B, Section 205, Sample Unit 502 - Low Severity (43) Block Cracking, Low Severity (48) Longitudinal & Transverse Cracking, Low Severity (52) Raveling, and Medium Severity (57) Weathering



TW F, Section 605, Sample Unit 301 - Medium Severity (43) Block Cracking, Low Severity (50) Patching, and Medium Severity (52) Raveling



AP E, Section 4205, Sample Unit 250 - Low Severity (43) Block Cracking, Low Severity (48) Longitudinal & Transverse Cracking, and Low Severity (57) Weathering



AP HELI, Section 4260, Sample Unit 643 – Low Severity (75) Corner Spall

Appendix E

Inspection Distress Details

Re-Inspection Report

FDOT

Generated Date 10/4/2019

Page 1 of 57

Network:	TIX		Name:	SPACE COAST REGIONAL AIRPORT		
Branch:	AP E	Name:	EAST APRON	Use:	APRON	Area: 628,932 SqFt
Section:	4205	of 21	From:	-	To:	-
Surface:	AAC	Family:	C9N59-PR-AP-AAC-APC	Zone:	Category:	Rank: P
Area:	101,014 SqFt	Length:	784 Ft	Width:	188 Ft	
Slabs:		Slab Length:	Ft	Slab Width:	Ft	Joint Length: Ft
Shoulder:		Street Type:		Grade:	0	Lanes: 0
Section Comments:						
Work Date:	1/1/1968	Work Type:	BUILT	Code:	IMPORTED	Is Major M&R: True
Work Date:	1/1/1992	Work Type:	REPAIR	Code:	IMPORTED	Is Major M&R: False
Work Date:	1/1/2008	Work Type:	MILL and OVERLAY	Code:	ML-OV	Is Major M&R: True
Last Insp. Date:	3/4/2019	TotalSamples:	20	Surveyed:	3	
Conditions:	PCI: 62					
Inspection Comments:						
Sample Number:	150	Type:	R	Area:	5011.00 SqFt	PCI: 62
Sample Comments:						
43	BLOCK CR	L	1400.00	SqFt		
57	WEATHERING	M	1511.00	SqFt		
57	WEATHERING	L	3500.00	SqFt		
48	L & T CR	L	25.00	Ft		
Sample Number:	203	Type:	R	Area:	5900.00 SqFt	PCI: 68
Sample Comments:						
57	WEATHERING	L	4398.00	SqFt		
48	L & T CR	L	412.00	Ft		
57	WEATHERING	M	1466.00	SqFt		
56	SWELLING	L	5.00	SqFt		
50	PATCHING	L	36.00	SqFt		
Sample Number:	250	Type:	R	Area:	5000.00 SqFt	PCI: 55
Sample Comments:						
48	L & T CR	L	145.00	Ft		
43	BLOCK CR	L	2800.00	SqFt		
57	WEATHERING	L	3750.00	SqFt		
57	WEATHERING	M	1250.00	SqFt		

Network:	TIX		Name:	SPACE COAST REGIONAL AIRPORT					
Branch:	AP E		Name:	EAST APRON		Use:	APRON	Area:	628,932 SqFt
Section:	4211	of 21	From:	-		To:	-		Last Const.: 6/1/2002
Surface:	AAC	Family:	C9N59-PR-AP-AAC-APC	Zone:			Category:	Rank: P	
Area:	3,845 SqFt		Length:	100 Ft		Width:	38 Ft		
Slabs:	Slab Length:		Ft		Slab Width:	Ft		Joint Length:	Ft
Shoulder:	Street Type:				Grade:	0		Lanes:	0
Section Comments:									
Work Date:	1/1/1971		Work Type: New Construction - Initial				Code:	NU-IN	Is Major M&R: True
Work Date:	6/1/2002		Work Type: Mill and Overlay				Code:	ML-OL	Is Major M&R: True
Last Insp. Date:	3/4/2019		TotalSamples:	1		Surveyed:	1		
Conditions:	PCI: 67								
Inspection Comments:									
Sample Number:	115	Type:	R	Area:	3845.00 SqFt		PCI:	67	
Sample Comments:									
52	RAVELING		L	142.00 SqFt					
50	PATCHING		L	1000.00 SqFt					
57	WEATHERING		M	2703.00 SqFt					

Network:	TIX		Name:	SPACE COAST REGIONAL AIRPORT					
Branch:	AP E	Name:	EAST APRON		Use:	APRON	Area:	628,932 SqFt	
Section:	4214	of	21	From:	-	To:	-	Last Const.:	6/1/2002
Surface:	APC	Family:	C9N59-PR-AP-AAC-APC	Zone:		Category:		Rank:	P
Area:	52,187 SqFt	Length:	1,100 Ft	Width:	35 Ft				
Slabs:		Slab Length:	20 Ft	Slab Width:	12 Ft	Joint Length:	-2 Ft		
Shoulder:		Street Type:		Grade:	0	Lanes:	0		
Section Comments:									
Work Date:	1/1/1943	Work Type:	New Construction - PCC			Code:	NC-PC	Is Major M&R:	True
Work Date:	1/1/1971	Work Type:	Overlay - AC			Code:	OL-AC	Is Major M&R:	True
Work Date:	1/1/1992	Work Type:	Slurry Seal			Code:	SS-SS	Is Major M&R:	False
Work Date:	6/1/2002	Work Type:	MILL and OVERLAY			Code:	ML-OV	Is Major M&R:	True
Last Insp. Date:	3/4/2019	TotalSamples:	13	Surveyed:	2				
Conditions:	PCI:	56							
Inspection Comments:									
Sample Number:	106	Type:	R	Area:	3500.00 SqFt	PCI:	58		
Sample Comments:									
52	RAVELING	L	70.00	SqFt					
48	L & T CR	L	502.00	Ft					
48	L & T CR	M	100.00	Ft					
57	WEATHERING	L	3430.00	SqFt					
Sample Number:	108	Type:	R	Area:	5000.00 SqFt	PCI:	55		
Sample Comments:									
50	PATCHING	L	1250.00	SqFt					
47	JT REF. CR	M	170.00	Ft					
57	WEATHERING	M	3750.00	SqFt					
48	L & T CR	L	165.00	Ft					
47	JT REF. CR	L	265.00	Ft					

Network:	TIX			Name:	SPACE COAST REGIONAL AIRPORT						
Branch:	AP E		Name:	EAST APRON		Use:	APRON		Area:	628,932 SqFt	
Section:	4215		of	21		From:	-		To:	-	
Surface:	AC		Family:	C9N59-PR-AP-AC		Zone:			Category:	Rank: P	
Area:	82,925 SqFt		Length:	300 Ft		Width:	150 Ft				
Slabs:			Slab Length:	Ft		Slab Width:	Ft		Joint Length:	Ft	
Shoulder:			Street Type:			Grade:	0		Lanes:	0	
Section Comments:											
Work Date:	1/1/1971		Work Type: BUILT				Code:	IMPORTED		Is Major M&R: True	
Work Date:	1/1/1992		Work Type: REPAIR				Code:	IMPORTED		Is Major M&R: False	
Last Insp. Date:	3/4/2019		TotalSamples:	19		Surveyed:	3				
Conditions:	PCI: 45										
Inspection Comments:											
Sample Number:	208		Type:	R		Area:	4032.00 SqFt		PCI:	33	
Sample Comments:											
56	SWELLING		L	403.00 SqFt							
52	RAVELING		M	4032.00 SqFt							
48	L & T CR		L	100.00 Ft							
Sample Number:	256		Type:	R		Area:	5000.00 SqFt		PCI:	59	
Sample Comments:											
52	RAVELING		L	4952.00 SqFt							
56	SWELLING		L	500.00 SqFt							
48	L & T CR		L	197.00 Ft							
52	RAVELING		M	48.00 SqFt							
Sample Number:	304		Type:	R		Area:	4050.00 SqFt		PCI:	38	
Sample Comments:											
56	SWELLING		L	405.00 SqFt							
52	RAVELING		M	4050.00 SqFt							

Network:	TIX			Name:	SPACE COAST REGIONAL AIRPORT									
Branch:	AP E		Name:	EAST APRON		Use:	APRON		Area:	628,932 SqFt				
Section:	4216		of	21		From:	-		To:	-		Last Const.:	1/1/2008	
Surface:	AAC		Family:	C9N59-PR-AP-AAC-APC		Zone:			Category:			Rank:	P	
Area:	48,836 SqFt		Length:	300 Ft		Width:	150 Ft							
Slabs:			Slab Length:	Ft		Slab Width:	Ft		Joint Length:			Ft		
Shoulder:			Street Type:			Grade:	0		Lanes:	0				
Section Comments:														
Work Date:	1/1/1971		Work Type: New Construction - Initial				Code:	NU-IN		Is Major M&R: True				
Work Date:	1/1/2008		Work Type: Mill and Overlay				Code:	ML-OL		Is Major M&R: True				
Last Insp. Date:	3/4/2019		TotalSamples:	9		Surveyed:	1							
Conditions:	PCI: 82													
Inspection Comments:														
Sample Number:	451		Type:	R		Area:	5250.00 SqFt		PCI:	82				
Sample Comments:														
57	WEATHERING		M	1312.00 SqFt										
48	L & T CR		L	3.00 Ft										
57	WEATHERING		L	3938.00 SqFt										

Network:	TIX		Name:	SPACE COAST REGIONAL AIRPORT										
Branch:	AP E		Name:	EAST APRON		Use:	APRON		Area:	628,932 SqFt				
Section:	4218		of	21		From:	-		To:	-		Last Const.:	1/1/2008	
Surface:	AAC		Family:	C9N59-PR-AP-AAC-APC		Zone:			Category:			Rank:	P	
Area:	95,344 SqFt		Length:	525 Ft		Width:	137 Ft							
Slabs:			Slab Length:	Ft		Slab Width:	Ft		Joint Length:	Ft				
Shoulder:			Street Type:			Grade:	0		Lanes:	0				
Section Comments:														
Work Date:	1/1/1971		Work Type:	New Construction - Initial				Code:	NU-IN		Is Major M&R:	True		
Work Date:	1/1/2008		Work Type:	Mill and Overlay				Code:	ML-OL		Is Major M&R:	True		
Last Insp. Date:	3/4/2019		TotalSamples:	18		Surveyed:	3							
Conditions:	PCI: 80													
Inspection Comments:														
Sample Number:	101		Type:	R		Area:	5000.00 SqFt		PCI:	76				
Sample Comments:														
57	WEATHERING		M	1250.00 SqFt										
57	WEATHERING		L	3750.00 SqFt										
48	L & T CR		L	223.00 Ft										
Sample Number:	200		Type:	R		Area:	6200.00 SqFt		PCI:	80				
Sample Comments:														
57	WEATHERING		M	1550.00 SqFt										
57	WEATHERING		L	4650.00 SqFt										
48	L & T CR		L	58.00 Ft										
Sample Number:	252		Type:	R		Area:	5000.00 SqFt		PCI:	82				
Sample Comments:														
57	WEATHERING		M	1250.00 SqFt										
48	L & T CR		L	6.00 Ft										
57	WEATHERING		L	3750.00 SqFt										

Network:	TIX		Name:	SPACE COAST REGIONAL AIRPORT												
Branch:	AP E		Name:	EAST APRON		Use:	APRON		Area:	628,932 SqFt						
Section:	4219		of	21		From:	-		To:	-		Last Const.:	1/1/2015			
Surface:	AAC		Family:	C9N59-PR-AP-AAC-APC				Zone:			Category:			Rank:	P	
Area:	8,237 SqFt		Length:	55 Ft		Width:	151 Ft									
Slabs:			Slab Length:	Ft		Slab Width:	Ft		Joint Length:	Ft						
Shoulder:			Street Type:			Grade:	0		Lanes:	0						
Section Comments:																
Work Date:	1/1/1971		Work Type:	BUILT				Code:	IMPORTED		Is Major M&R:	True				
Work Date:	1/1/1992		Work Type:	REPAIR				Code:	IMPORTED		Is Major M&R:	False				
Work Date:	1/1/2015		Work Type:	MILL and OVERLAY				Code:	ML-OV		Is Major M&R:	True				
Last Insp. Date: 3/4/2019																
			TotalSamples:	2		Surveyed:	1									
Conditions:	PCI: 56															
Inspection Comments:																
Sample Number:	260		Type:	R		Area:	4091.00 SqFt		PCI:	56						
Sample Comments:																
48	L & T CR		L	56.00		Ft										
52	RAVELING		L	2266.00		SqFt										
57	WEATHERING		L	1825.00		SqFt										
43	BLOCK CR		L	2266.00		SqFt										

Network:	TIX		Name:	SPACE COAST REGIONAL AIRPORT													
Branch:	AP E		Name:	EAST APRON		Use:	APRON		Area:	628,932 SqFt							
Section:	4220		of	21		From:	-		To:	-		Last Const.:	1/1/2014				
Surface:	AAC		Family:	C9N59-PR-AP-AAC-APC				Zone:			Category:				Rank:	P	
Area:	8,168 SqFt		Length:	300 Ft		Width:			45 Ft								
Slabs:			Slab Length:	Ft		Slab Width:	Ft				Joint Length:	Ft					
Shoulder:			Street Type:			Grade:	0				Lanes:	0					
Section Comments:																	
Work Date:	1/1/1980		Work Type: BUILT					Code:	IMPORTED		Is Major M&R: True						
Work Date:	1/1/1992		Work Type: REPAIR					Code:	IMPORTED		Is Major M&R: False						
Work Date:	1/1/2014		Work Type: MILL and OVERLAY					Code:	ML-OV		Is Major M&R: True						
Last Insp. Date: 3/4/2019																	
		TotalSamples:		2		Surveyed:		1									
Conditions:	PCI: 83																
Inspection Comments:																	
Sample Number:	100		Type:	R		Area:	4418.00 SqFt		PCI:	83							
Sample Comments:																	
57	WEATHERING		L	4180.00 SqFt													
48	L & T CR		L	8.00 Ft													
50	PATCHING		L	18.00 SqFt													
52	RAVELING		L	220.00 SqFt													

Network:	TIX			Name:	SPACE COAST REGIONAL AIRPORT						
Branch:	AP E		Name:	EAST APRON		Use:	APRON		Area:	628,932 SqFt	
Section:	4225		of 21	From:	-		To:	-		Last Const.:	1/1/1991
Surface:	PCC		Family:	C9N59-PR-AP-PCC		Zone:			Category:	Rank: P	
Area:	8,700 SqFt		Length:	400 Ft		Width:	20 Ft				
Slabs:	48		Slab Length:	12 Ft		Slab Width:	15 Ft		Joint Length:	780 Ft	
Shoulder:			Street Type:			Grade:	0		Lanes:	0	
Section Comments:											
Work Date:	1/1/1991		Work Type:	BUILT			Code:	IMPORTED		Is Major M&R:	True
Last Insp. Date:	3/4/2019		TotalSamples:	2		Surveyed:	1				
Conditions:	PCI: 69										
Inspection Comments:											
Sample Number:	202		Type:	R		Area:	26.00 Slabs		PCI:	69	
Sample Comments:											
63	LINEAR CR		L	14.00		Slabs					
73	SHRINKAGE CR		N	2.00		Slabs					
72	SHAT. SLAB		L	1.00		Slabs					
71	FAULTING		L	1.00		Slabs					

Network:	TIX			Name:	SPACE COAST REGIONAL AIRPORT					
Branch:	AP E	Name:	EAST APRON		Use:	APRON	Area:	628,932 SqFt		
Section:	4226	of	21	From:	-	To:	-	Last Const.:	1/1/2014	
Surface:	AAC	Family:	C9N59-PR-AP-AAC-APC		Zone:		Category:		Rank:	P
Area:	6,677 SqFt		Length:	325 Ft		Width:	40 Ft			
Slabs:		Slab Length:	Ft		Slab Width:	Ft		Joint Length:	Ft	
Shoulder:		Street Type:			Grade:	0		Lanes:	0	
Section Comments:										
Work Date:	1/1/1985		Work Type:			BUILT		Code:	IMPORTED	
								Is Major M&R:	True	
Work Date:	1/1/1992		Work Type:			REPAIR		Code:	IMPORTED	
								Is Major M&R:	False	
Work Date:	1/1/2014		Work Type:			MILL and OVERLAY		Code:	ML-OV	
								Is Major M&R:	True	
Last Insp. Date:	3/4/2019		TotalSamples:	2		Surveyed:	1			
Conditions:	PCI: 72									
Inspection Comments:										
Sample Number:	100	Type:	R	Area:	3570.00 SqFt		PCI:	72		
Sample Comments:										
48	L & T CR		L	12.00 Ft						
52	RAVELING		L	31.00 SqFt						
50	PATCHING		L	461.00 SqFt						
57	WEATHERING		L	3078.00 SqFt						

Network:	TIX			Name:	SPACE COAST REGIONAL AIRPORT				
Branch:	AP E	Name:	EAST APRON		Use:	APRON	Area:	628,932 SqFt	
Section:	4227	of 21	From:	-	To:	-	Last Const.:	1/1/2014	
Surface:	AAC	Family:	C9N59-PR-AP-AAC-APC	Zone:		Category:	Rank:	P	
Area:	6,560 SqFt	Length:	325 Ft	Width:	40 Ft				
Slabs:		Slab Length:	Ft	Slab Width:	Ft	Joint Length:		Ft	
Shoulder:		Street Type:		Grade:	0	Lanes:	0		
Section Comments:									
Work Date:	1/1/1988	Work Type:			OVERLAY	Code:	IMPORTED	Is Major M&R:	True
Work Date:	1/1/1992	Work Type:			BUILT	Code:	IMPORTED	Is Major M&R:	True
Work Date:	1/1/2014	Work Type:			MILL and OVERLAY	Code:	ML-OV	Is Major M&R:	True
Last Insp. Date:	3/4/2019	TotalSamples:	2	Surveyed:	1				
Conditions:	PCI: 89								
Inspection Comments:									
Sample Number:	100	Type:	R	Area:	3560.00 SqFt	PCI:	89		
Sample Comments:									
52	RAVELING	L	35.00 SqFt						
50	PATCHING	L	18.00 SqFt						
57	WEATHERING	L	3507.00 SqFt						

Network:	TIX			Name:	SPACE COAST REGIONAL AIRPORT			
Branch:	AP E	Name:	EAST APRON		Use:	APRON	Area:	628,932 SqFt
Section:	4228	of 21	From:	-	To:	-	Last Const.:	1/1/2014
Surface:	AAC	Family:	C9N59-PR-AP-AAC-APC	Zone:		Category:	Rank:	P
Area:	11,100 SqFt	Length:	400 Ft	Width:	30 Ft			
Slabs:		Slab Length:	Ft	Slab Width:	Ft	Joint Length:		Ft
Shoulder:		Street Type:		Grade:	0	Lanes:	0	
Section Comments:								
Work Date:	1/1/1988	Work Type: OVERLAY				Code:	IMPORTED	Is Major M&R: True
Work Date:	1/1/1992	Work Type: BUILT				Code:	IMPORTED	Is Major M&R: True
Work Date:	1/1/2014	Work Type: MILL and OVERLAY				Code:	ML-OV	Is Major M&R: True
Last Insp. Date:	3/4/2019	TotalSamples:	3	Surveyed:	1			
Conditions:	PCI: 89							
Inspection Comments:								
Sample Number:	100	Type:	R	Area:	3734.00 SqFt	PCI:	89	
Sample Comments:								
57	WEATHERING	L	3697.00	SqFt				
52	RAVELING	L	37.00	SqFt				
48	L & T CR	L	5.00	Ft				

Network:	TIX		Name:	SPACE COAST REGIONAL AIRPORT							
Branch:	AP E		Name:	EAST APRON		Use:	APRON	Area:	628,932 SqFt		
Section:	4229	of 21	From:	-			To:	-		Last Const.:	1/1/2012
Surface:	AC	Family:	C9N59-PR-AP-AC		Zone:		Category:	Rank:			P
Area:	16,315 SqFt		Length:	820 Ft		Width:	20 Ft				
Slabs:	Slab Length:		Ft		Slab Width:	Ft		Joint Length:	Ft		
Shoulder:	Street Type:		Grade:		0		Lanes:	0			
Section Comments:											
Work Date:	1/1/2012		Work Type:	New Construction - Initial			Code:	NU-IN		Is Major M&R:	True
Last Insp. Date:	3/4/2019		TotalSamples:	3		Surveyed:	1				
Conditions:	PCI:	88									
Inspection Comments:											
Sample Number:	750	Type:	R	Area:	5635.00 SqFt		PCI:	88			
Sample Comments:											
57	WEATHERING		L	5579.00 SqFt							
48	L & T CR		L	19.00 Ft							
52	RAVELING		L	56.00 SqFt							

Network:	TIX			Name:	SPACE COAST REGIONAL AIRPORT							
Branch:	AP E		Name:	EAST APRON		Use:	APRON		Area:	628,932 SqFt		
Section:	4230		of	21	From:	-		To:	-		Last Const.:	1/1/1991
Surface:	PCC		Family:	C9N59-PR-AP-PCC		Zone:			Category:	Rank:		P
Area:	9,576 SqFt		Length:	400 Ft		Width:	20 Ft					
Slabs:	56		Slab Length:	10 Ft		Slab Width:	17 Ft		Joint Length:	851 Ft		
Shoulder:			Street Type:			Grade:	0		Lanes:	0		
Section Comments:												
Work Date:	1/1/1991		Work Type:	BUILT				Code:	IMPORTED		Is Major M&R:	True
Last Insp. Date:	3/4/2019		TotalSamples:	5		Surveyed:	1					
Conditions:	PCI: 77											
Inspection Comments:												
Sample Number:	203		Type:	R		Area:	18.00 Slabs		PCI:	77		
Sample Comments:												
73	SHRINKAGE CR		N	6.00 Slabs								
63	LINEAR CR		L	7.00 Slabs								

Network:	TIX	Name:	SPACE COAST REGIONAL AIRPORT						
Branch:	AP E	Name:	EAST APRON		Use:	APRON	Area:	628,932 SqFt	
Section:	4232	of	21	From:	-	To:	-	Last Const.:	1/1/2014
Surface:	AAC	Family:	C9N59-PR-AP-AAC-APC		Zone:		Category:	Rank:	P
Area:	9,960 SqFt	Length:	1,000 Ft		Width:	162 Ft			
Slabs:		Slab Length:	Ft		Slab Width:	Ft		Joint Length:	Ft
Shoulder:		Street Type:			Grade:	0		Lanes:	0
Section Comments:									
Work Date:	1/1/1971	Work Type: BUILT				Code:	IMPORTED	Is Major M&R:	True
Work Date:	1/1/1992	Work Type: REPAIR				Code:	IMPORTED	Is Major M&R:	False
Work Date:	1/1/2014	Work Type: MILL and OVERLAY				Code:	ML-OV	Is Major M&R:	True
Last Insp. Date: 3/4/2019									
Conditions:	PCI:	79	TotalSamples:	3	Surveyed:	1			
Inspection Comments:									
Sample Number:	353	Type:	R	Area:	3570.00 SqFt		PCI:	79	
Sample Comments:									
50	PATCHING	L	240.00 SqFt						
57	WEATHERING	L	3263.00 SqFt						
52	RAVELING	L	67.00 SqFt						

Network:	TIX		Name:	SPACE COAST REGIONAL AIRPORT			
Branch:	AP E	Name:	EAST APRON	Use:	APRON	Area:	628,932 SqFt
Section:	4235	of 21	From:	-	To:	-	Last Const.: 1/1/2015
Surface:	PCC	Family:	C9N59-PR-AP-PCC	Zone:		Category:	Rank: P
Area:	93,090 SqFt	Length:	495 Ft	Width:	178 Ft		
Slabs:	413	Slab Length:	14 Ft	Slab Width:	15 Ft	Joint Length:	11,495 Ft
Shoulder:		Street Type:		Grade:	0	Lanes:	0
Section Comments:							
Work Date:	1/1/2015	Work Type: New Construction - PCC			Code:	NC-PC	Is Major M&R: True
Last Insp. Date:	3/4/2019	TotalSamples:	22	Surveyed:	3		
Conditions:	PCI: 99						
Inspection Comments:							
Sample Number:	213	Type:	R	Area:	25.00 Slabs	PCI:	99
Sample Comments:							
66	SMALL PATCH	L	1.00	Slabs			
Sample Number:	265	Type:	R	Area:	20.00 Slabs	PCI:	100
Sample Comments:							
<No Distress>							
Sample Number:	364	Type:	R	Area:	24.00 Slabs	PCI:	99
Sample Comments:							
66	SMALL PATCH	L	1.00	Slabs			

Network:	TIX			Name:	SPACE COAST REGIONAL AIRPORT											
Branch:	AP E		Name:	EAST APRON		Use:	APRON		Area:	628,932 SqFt						
Section:	4240		of	21		From:	-		To:	-		Last Const.:	1/1/2014			
Surface:	AAC		Family:	C9N59-PR-AP-AAC-APC			Zone:				Category:	Rank: P				
Area:	7,020 SqFt			Length:	250 Ft			Width:	30 Ft							
Slabs:				Slab Length:	Ft			Slab Width:	Ft			Joint Length:	Ft			
Shoulder:				Street Type:				Grade:	0			Lanes:	0			
Section Comments:																
Work Date:	1/1/1987			Work Type:	BUILT					Code:	IMPORTED			Is Major M&R:	True	
Work Date:	1/1/2014			Work Type:	MILL and OVERLAY					Code:	ML-OV			Is Major M&R:	True	
Last Insp. Date:	3/4/2019			TotalSamples:	2					Surveyed:	1					
Conditions:	PCI: 91															
Inspection Comments:																
Sample Number:	202		Type:	R		Area:	4020.00 SqFt			PCI:	91					
Sample Comments:																
57	WEATHERING			L	3980.00 SqFt											
52	RAVELING			L	40.00 SqFt											

Network:	TIX			Name:	SPACE COAST REGIONAL AIRPORT									
Branch:	AP E		Name:	EAST APRON		Use:	APRON		Area:	628,932 SqFt				
Section:	4241		of	21		From:	-		To:	-		Last Const.:	1/1/2014	
Surface:	AAC		Family:	C9N59-PR-AP-AAC-APC			Zone:				Category:	Rank: P		
Area:	8,553 SqFt		Length:	350 Ft		Width:	25 Ft							
Slabs:			Slab Length:	Ft		Slab Width:	Ft		Joint Length:	Ft				
Shoulder:			Street Type:			Grade:	0		Lanes:	0				
Section Comments:														
Work Date:	1/1/1987		Work Type:	BUILT				Code:	IMPORTED		Is Major M&R:	True		
Work Date:	1/1/2014		Work Type:	MILL and OVERLAY				Code:	ML-OV		Is Major M&R:	True		
Last Insp. Date:	3/4/2019		TotalSamples:	3		Surveyed:	1							
Conditions:	PCI: 91													
Inspection Comments:														
Sample Number:	202		Type:	R		Area:	3180.00 SqFt		PCI:	91				
Sample Comments:														
52	RAVELING		L	32.00 SqFt										
57	WEATHERING		L	3148.00 SqFt										

Network:	TIX		Name:	SPACE COAST REGIONAL AIRPORT							
Branch:	AP E		Name:	EAST APRON		Use:	APRON	Area:	628,932 SqFt		
Section:	4245	of 21	From:	-			To:	-		Last Const.:	1/1/2003
Surface:	AC	Family:	C9N59-PR-AP-AC		Zone:		Category:		Rank:	P	
Area:	7,200 SqFt		Length:	350 Ft		Width:	20 Ft				
Slabs:	Slab Length:		Ft		Slab Width:	Ft		Joint Length:	Ft		
Shoulder:	Street Type:		Grade:		0		Lanes:	0			
Section Comments:											
Work Date:	1/1/2003		Work Type:	New Construction - Initial			Code:	NU-IN		Is Major M&R:	True
Last Insp. Date:	3/4/2019		TotalSamples:	2		Surveyed:	1				
Conditions:	PCI:	71									
Inspection Comments:											
Sample Number:	200	Type:	R	Area:	3600.00 SqFt		PCI:	71			
Sample Comments:											
57	WEATHERING		M	3420.00 SqFt							
52	RAVELING		L	180.00 SqFt							
48	L & T CR		L	12.00 Ft							

Network:	TIX		Name:	SPACE COAST REGIONAL AIRPORT			
Branch:	AP E	Name:	EAST APRON	Use:	APRON	Area:	628,932 SqFt
Section:	4250	of 21	From:	-	To:	-	Last Const.: 1/1/2011
Surface:	PCC	Family:	C9N59-PR-AP-PCC	Zone:		Category:	Rank: P
Area:	38,220 SqFt	Length:	190 Ft	Width:	200 Ft		
Slabs:	182	Slab Length:	14 Ft	Slab Width:	15 Ft	Joint Length:	4,858 Ft
Shoulder:		Street Type:		Grade:	0	Lanes:	0
Section Comments:							
Work Date:	1/1/2011	Work Type: New Construction - Initial			Code:	NU-IN	Is Major M&R: True
Last Insp. Date:	3/4/2019	TotalSamples:	12	Surveyed:	2		
Conditions:	PCI: 95						
Inspection Comments:							
Sample Number:	300	Type:	R	Area:	15.00 Slabs	PCI:	96
Sample Comments:							
73	SHRINKAGE CR	N	4.00	Slabs			
Sample Number:	501	Type:	R	Area:	15.00 Slabs	PCI:	94
Sample Comments:							
73	SHRINKAGE CR	N	6.00	Slabs			

Network:	TIX		Name:	SPACE COAST REGIONAL AIRPORT							
Branch:	AP HELI		Name:	HELICOPTER APRON		Use:	APRON	Area:	397,538 SqFt		
Section:	4255	of 2	From:	-			To:	-		Last Const.:	1/1/2012
Surface:	AC	Family:	C9N59-PR-AP-AC		Zone:		Category:		Rank:	P	
Area:	32,798 SqFt	Length:	475 Ft		Width:	70 Ft					
Slabs:		Slab Length:	Ft		Slab Width:	Ft			Joint Length:	Ft	
Shoulder:		Street Type:			Grade:	0			Lanes:	0	
Section Comments:											
Work Date:	1/1/2012		Work Type:	New Construction - Initial			Code:	NU-IN		Is Major M&R:	True
Last Insp. Date:	3/4/2019		TotalSamples:	5		Surveyed:	1				
Conditions:	PCI:	90									
Inspection Comments:											
Sample Number:	096	Type:	R	Area:	7000.00 SqFt			PCI:	90		
Sample Comments:											
57	WEATHERING		L	7000.00 SqFt							
48	L & T CR		L	37.00 Ft							

Network:	TIX		Name:	SPACE COAST REGIONAL AIRPORT										
Branch:	AP HELI		Name:	HELICOPTER APRON		Use:	APRON		Area:	397,538 SqFt				
Section:	4260		of	2		From:	-		To:	-		Last Const.:	1/1/2012	
Surface:	PCC		Family:	C9N59-PR-AP-PCC		Zone:			Category:			Rank:	P	
Area:	364,740 SqFt		Length:	744 Ft		Width:	510 Ft							
Slabs:	2,596		Slab Length:	12 Ft		Slab Width:	12 Ft		Joint Length:	61,986 Ft				
Shoulder:			Street Type:			Grade:	0		Lanes:	0				
Section Comments:														
Work Date:	1/1/2012		Work Type: New Construction - Initial				Code:	NU-IN		Is Major M&R: True				
Last Insp. Date:	3/4/2019		TotalSamples:	97		Surveyed:	10							
Conditions:	PCI: 97													
Inspection Comments:														
Sample Number:	146		Type:	R		Area:	21.00 Slabs		PCI:	100				
Sample Comments:														
<No Distress>														
Sample Number:	199		Type:	R		Area:	21.00 Slabs		PCI:	100				
Sample Comments:														
<No Distress>														
Sample Number:	244		Type:	R		Area:	28.00 Slabs		PCI:	99				
Sample Comments:														
66	SMALL PATCH		L	1.00		Slabs								
Sample Number:	346		Type:	R		Area:	28.00 Slabs		PCI:	84				
Sample Comments:														
74	JOINT SPALL		L	1.00		Slabs								
73	SHRINKAGE CR		N	18.00		Slabs								
67	LARGE PATCH		L	4.00		Slabs								
Sample Number:	447		Type:	R		Area:	28.00 Slabs		PCI:	94				
Sample Comments:														
73	SHRINKAGE CR		N	12.00		Slabs								
Sample Number:	494		Type:	R		Area:	28.00 Slabs		PCI:	100				
Sample Comments:														
<No Distress>														
Sample Number:	643		Type:	R		Area:	28.00 Slabs		PCI:	96				
Sample Comments:														
66	SMALL PATCH		L	1.00		Slabs								
75	CORNER SPALL		M	1.00		Slabs								
Sample Number:	646		Type:	R		Area:	28.00 Slabs		PCI:	94				
Sample Comments:														
74	JOINT SPALL		L	2.00		Slabs								
73	SHRINKAGE CR		N	8.00		Slabs								
Sample Number:	795		Type:	R		Area:	28.00 Slabs		PCI:	100				
Sample Comments:														
<No Distress>														
Sample Number:	847		Type:	R		Area:	28.00 Slabs		PCI:	100				
Sample Comments:														
<No Distress>														

Network:	TIX		Name:		SPACE COAST REGIONAL AIRPORT					
Branch:	AP W	Name:	WEST APRON		Use:	APRON	Area:	400,935 SqFt		
Section:	4305	of 2	From:	-	To:	-	Last Const.:	1/1/2014		
Surface:	PCC	Family:	C9N59-PR-AP-PCC		Zone:	Category:	Rank:	P		
Area:	370,471 SqFt	Length:	1,600 Ft		Width:	500 Ft				
Slabs:	1,647	Slab Length:	15 Ft	Slab Width:	15 Ft	Joint Length:	104,567 Ft			
Shoulder:		Street Type:		Grade:	0	Lanes:	0			
Section Comments:										
Work Date:	1/1/2014	Work Type:			New Construction - Initial		Code:	NU-IN	Is Major M&R:	True
Last Insp. Date:	3/4/2019	TotalSamples:	88	Surveyed:	9					
Conditions:	PCI:	99								
Inspection Comments:										
Sample Number:	151	Type:	R	Area:	20.00 Slabs	PCI:	100			
Sample Comments:										
<No Distress>										
Sample Number:	155	Type:	R	Area:	20.00 Slabs	PCI:	99			
Sample Comments:										
73	SHRINKAGE CR	N	1.00 Slabs							
Sample Number:	203	Type:	R	Area:	20.00 Slabs	PCI:	97			
Sample Comments:										
73	SHRINKAGE CR	N	3.00 Slabs							
Sample Number:	208	Type:	R	Area:	20.00 Slabs	PCI:	100			
Sample Comments:										
<No Distress>										
Sample Number:	260	Type:	R	Area:	20.00 Slabs	PCI:	99			
Sample Comments:										
73	SHRINKAGE CR	N	1.00 Slabs							
Sample Number:	263	Type:	R	Area:	20.00 Slabs	PCI:	99			
Sample Comments:										
73	SHRINKAGE CR	N	1.00 Slabs							
Sample Number:	411	Type:	R	Area:	20.00 Slabs	PCI:	100			
Sample Comments:										
<No Distress>										
Sample Number:	414	Type:	R	Area:	20.00 Slabs	PCI:	95			
Sample Comments:										
66	SMALL PATCH	L	3.00 Slabs							
73	SHRINKAGE CR	N	3.00 Slabs							
Sample Number:	512	Type:	R	Area:	20.00 Slabs	PCI:	99			
Sample Comments:										
73	SHRINKAGE CR	N	1.00 Slabs							

Network:	TIX			Name:	SPACE COAST REGIONAL AIRPORT									
Branch:	AP W		Name:	WEST APRON		Use:	APRON		Area:	400,935 SqFt				
Section:	4310		of	2		From:	-		To:	-		Last Const.:	1/1/2014	
Surface:	AAC		Family:	C9N59-PR-AP-AAC-APC		Zone:			Category:			Rank:	P	
Area:	30,464 SqFt		Length:	68 Ft		Width:	400 Ft							
Slabs:	Slab Length:		Ft		Slab Width:	Ft		Joint Length:	Ft					
Shoulder:	Street Type:				Grade:	0		Lanes:	0					
Section Comments:														
Work Date:	1/1/1943		Work Type:	New Construction - Initial				Code:	NU-IN		Is Major M&R:	True		
Work Date:	1/1/2004		Work Type:	MILL and OVERLAY				Code:	ML-OV		Is Major M&R:	True		
Work Date:	1/1/2014		Work Type:	MILL and OVERLAY				Code:	ML-OV		Is Major M&R:	True		
Last Insp. Date:	3/4/2019		TotalSamples:	9		Surveyed:	1							
Conditions:	PCI: 72													
Inspection Comments:														
Sample Number:	215		Type:	R		Area:	3292.00 SqFt		PCI:	72				
Sample Comments:														
48	L & T CR		L	50.00 Ft										
48	L & T CR		M	26.00 Ft										
57	WEATHERING		L	2042.00 SqFt										
57	WEATHERING		M	1250.00 SqFt										

Network:		TIX		Name:		SPACE COAST REGIONAL AIRPORT									
Branch:		RW 18-36		Name:		RUNWAY 18-36		Use:		RUNWAY		Area:		1,097,850 SqFt	
Section:		6105		of 6		From:		-		To:		-		Last Const.: 6/1/2002	
Surface:		AAC		Family:		C9N59-PR-RW-AAC-APC		Zone:		Category:		Rank:		P	
Area:		500,000 SqFt		Length:		5,000 Ft		Width:		100 Ft					
Slabs:		Slab Length:		Ft		Slab Width:		Ft		Joint Length:		Ft			
Shoulder:		Street Type:		Grade:		0		Lanes:		0					
Section Comments:															
Work Date:		1/1/1943		Work Type:		BUILT		Code:		IMPORTED		Is Major M&R:		True	
Work Date:		1/1/1971		Work Type:		OVERLAY		Code:		IMPORTED		Is Major M&R:		True	
Work Date:		6/1/2002		Work Type:		Mill and Overlay		Code:		ML-OL		Is Major M&R:		True	
Last Insp. Date:		3/4/2019		TotalSamples:		100		Surveyed:		20					
Conditions:		PCI: 62													
Inspection Comments:															
Sample Number:		302		Type:		R		Area:		5000.00 SqFt		PCI:		59	
Sample Comments:															
52	RAVELING			L		500.00 SqFt									
56	SWELLING			L		15.00 SqFt									
57	WEATHERING			M		2200.00 SqFt									
57	WEATHERING			L		2300.00 SqFt									
48	L & T CR			L		382.00 Ft									
48	L & T CR			M		150.00 Ft									
Sample Number:		308		Type:		R		Area:		5000.00 SqFt		PCI:		65	
Sample Comments:															
57	WEATHERING			L		2400.00 SqFt									
48	L & T CR			L		189.00 Ft									
48	L & T CR			M		100.00 Ft									
57	WEATHERING			M		2400.00 SqFt									
52	RAVELING			L		200.00 SqFt									
Sample Number:		311		Type:		R		Area:		5000.00 SqFt		PCI:		65	
Sample Comments:															
52	RAVELING			L		200.00 SqFt									
57	WEATHERING			L		2400.00 SqFt									
57	WEATHERING			M		2400.00 SqFt									
48	L & T CR			L		265.00 Ft									
48	L & T CR			M		50.00 Ft									
Sample Number:		317		Type:		R		Area:		5000.00 SqFt		PCI:		53	
Sample Comments:															
57	WEATHERING			L		2350.00 SqFt									
57	WEATHERING			M		2300.00 SqFt									
48	L & T CR			M		279.00 Ft									
48	L & T CR			L		229.00 Ft									
52	RAVELING			L		350.00 SqFt									
Sample Number:		323		Type:		R		Area:		5000.00 SqFt		PCI:		66	
Sample Comments:															
52	RAVELING			L		1000.00 SqFt									
48	L & T CR			M		65.00 Ft									
57	WEATHERING			L		2000.00 SqFt									
57	WEATHERING			M		2000.00 SqFt									
48	L & T CR			L		252.00 Ft									
Sample Number:		326		Type:		R		Area:		5000.00 SqFt		PCI:		65	
Sample Comments:															
48	L & T CR			M		50.00 Ft									
48	L & T CR			L		259.00 Ft									

52	RAVELING	L	200.00	SqFt
57	WEATHERING	M	2500.00	SqFt
57	WEATHERING	L	2300.00	SqFt
Sample Number: 329 Type: R Area: 5000.00 SqFt PCI: 66				
Sample Comments:				
57	WEATHERING	L	2350.00	SqFt
57	WEATHERING	M	2400.00	SqFt
52	RAVELING	L	250.00	SqFt
48	L & T CR	L	356.00	Ft
Sample Number: 335 Type: R Area: 5000.00 SqFt PCI: 62				
Sample Comments:				
48	L & T CR	L	434.00	Ft
56	SWELLING	L	15.00	SqFt
52	RAVELING	L	200.00	SqFt
57	WEATHERING	M	2400.00	SqFt
57	WEATHERING	L	2400.00	SqFt
Sample Number: 341 Type: R Area: 5000.00 SqFt PCI: 67				
Sample Comments:				
52	RAVELING	L	1000.00	SqFt
57	WEATHERING	L	2000.00	SqFt
48	L & T CR	L	338.00	Ft
57	WEATHERING	M	2000.00	SqFt
Sample Number: 347 Type: R Area: 5000.00 SqFt PCI: 65				
Sample Comments:				
57	WEATHERING	M	2400.00	SqFt
57	WEATHERING	L	2400.00	SqFt
52	RAVELING	L	200.00	SqFt
48	L & T CR	L	405.00	Ft
Sample Number: 353 Type: R Area: 5000.00 SqFt PCI: 65				
Sample Comments:				
57	WEATHERING	M	2400.00	SqFt
57	WEATHERING	L	2400.00	SqFt
52	RAVELING	L	200.00	SqFt
48	L & T CR	L	386.00	Ft
Sample Number: 359 Type: R Area: 5000.00 SqFt PCI: 60				
Sample Comments:				
48	L & T CR	L	404.00	Ft
57	WEATHERING	M	2400.00	SqFt
57	WEATHERING	L	2400.00	SqFt
52	RAVELING	L	200.00	SqFt
48	L & T CR	M	65.00	Ft
Sample Number: 365 Type: R Area: 5000.00 SqFt PCI: 59				
Sample Comments:				
48	L & T CR	M	118.00	Ft
57	WEATHERING	M	2400.00	SqFt
48	L & T CR	L	424.00	Ft
52	RAVELING	L	200.00	SqFt
57	WEATHERING	L	2400.00	SqFt
Sample Number: 368 Type: R Area: 5000.00 SqFt PCI: 49				
Sample Comments:				
57	WEATHERING	M	2400.00	SqFt
57	WEATHERING	L	2400.00	SqFt
48	L & T CR	M	391.00	Ft
52	RAVELING	L	200.00	SqFt
48	L & T CR	L	91.00	Ft
Sample Number: 371 Type: R Area: 5000.00 SqFt PCI: 60				
Sample Comments:				
48	L & T CR	L	371.00	Ft

48	L & T CR	M	100.00	Ft
57	WEATHERING	M	2400.00	SqFt
52	RAVELING	L	200.00	SqFt
57	WEATHERING	L	2400.00	SqFt
56	SWELLING	L	5.00	SqFt
Sample Number: 376 Type: R Area: 5000.00 SqFt PCI: 61				
Sample Comments:				
57	WEATHERING	L	2400.00	SqFt
57	WEATHERING	M	2400.00	SqFt
48	L & T CR	L	287.00	Ft
52	RAVELING	L	200.00	SqFt
48	L & T CR	M	150.00	Ft
Sample Number: 380 Type: R Area: 5000.00 SqFt PCI: 65				
Sample Comments:				
48	L & T CR	M	75.00	Ft
48	L & T CR	L	388.00	Ft
52	RAVELING	L	200.00	SqFt
52	RAVELING	M	10.00	SqFt
Sample Number: 386 Type: R Area: 5000.00 SqFt PCI: 56				
Sample Comments:				
48	L & T CR	L	405.00	Ft
48	L & T CR	M	70.00	Ft
52	RAVELING	M	30.00	SqFt
52	RAVELING	H	3.00	SqFt
48	L & T CR	H	5.00	Ft
52	RAVELING	L	200.00	SqFt
Sample Number: 393 Type: R Area: 5000.00 SqFt PCI: 66				
Sample Comments:				
57	WEATHERING	M	2600.00	SqFt
57	WEATHERING	L	2400.00	SqFt
56	SWELLING	L	20.00	SqFt
48	L & T CR	L	480.00	Ft
Sample Number: 397 Type: R Area: 5000.00 SqFt PCI: 63				
Sample Comments:				
57	WEATHERING	L	2400.00	SqFt
48	L & T CR	L	469.00	Ft
57	WEATHERING	M	2400.00	SqFt
52	RAVELING	L	200.00	SqFt

Network:	TIX		Name:		SPACE COAST REGIONAL AIRPORT							
Branch:	RW 18-36		Name:		RUNWAY 18-36		Use:	RUNWAY	Area:	1,097,850 SqFt		
Section:	6110	of 6	From:	-			To:	-		Last Const.:	6/1/2002	
Surface:	AAC	Family:	C9N59-PR-RW-AAC-APC		Zone:		Category:		Rank:		P	
Area:	250,000 SqFt		Length:	10,000 Ft		Width:	25 Ft					
Slabs:	Slab Length:		Ft		Slab Width:		Ft		Joint Length:	Ft		
Shoulder:	Street Type:				Grade:	0		Lanes:	0			
Section Comments:												
Work Date:	1/1/1943		Work Type:				BUILT	Code:	IMPORTED		Is Major M&R:	True
Work Date:	1/1/1971		Work Type:				OVERLAY	Code:	IMPORTED		Is Major M&R:	True
Work Date:	6/1/2002		Work Type:				Mill and Overlay	Code:	ML-OL		Is Major M&R:	True
Last Insp. Date:	3/4/2019		TotalSamples:	50		Surveyed:		10				
Conditions:	PCI:	57										
Inspection Comments:												
Sample Number:	100	Type:	R	Area:	5000.00 SqFt		PCI:	60				
Sample Comments:												
48	L & T CR		L	387.00	Ft							
52	RAVELING		L	500.00	SqFt							
57	WEATHERING		M	2300.00	SqFt							
57	WEATHERING		L	2200.00	SqFt							
48	L & T CR		M	50.00	Ft							
56	SWELLING		L	5.00	SqFt							
Sample Number:	120	Type:	R	Area:	5000.00 SqFt		PCI:	55				
Sample Comments:												
57	WEATHERING		M	2400.00	SqFt							
57	WEATHERING		L	2400.00	SqFt							
48	L & T CR		M	100.00	Ft							
48	L & T CR		L	525.00	Ft							
52	RAVELING		L	200.00	SqFt							
56	SWELLING		L	20.00	SqFt							
Sample Number:	132	Type:	R	Area:	5000.00 SqFt		PCI:	56				
Sample Comments:												
56	SWELLING		L	15.00	SqFt							
48	L & T CR		L	435.00	Ft							
52	RAVELING		L	250.00	SqFt							
57	WEATHERING		L	2350.00	SqFt							
48	L & T CR		M	200.00	Ft							
57	WEATHERING		M	2400.00	SqFt							
Sample Number:	144	Type:	R	Area:	5000.00 SqFt		PCI:	69				
Sample Comments:												
57	WEATHERING		M	2500.00	SqFt							
57	WEATHERING		L	2500.00	SqFt							
48	L & T CR		L	413.00	Ft							
Sample Number:	176	Type:	R	Area:	5000.00 SqFt		PCI:	51				
Sample Comments:												
57	WEATHERING		L	2350.00	SqFt							
52	RAVELING		L	250.00	SqFt							
48	L & T CR		M	300.00	Ft							
57	WEATHERING		M	2400.00	SqFt							
56	SWELLING		L	5.00	SqFt							
48	L & T CR		L	422.00	Ft							
Sample Number:	504	Type:	R	Area:	5000.00 SqFt		PCI:	55				
Sample Comments:												
48	L & T CR		M	100.00	Ft							

57	WEATHERING	M	2400.00	SqFt
57	WEATHERING	L	2350.00	SqFt
52	RAVELING	L	250.00	SqFt
48	L & T CR	L	512.00	Ft
56	SWELLING	L	20.00	SqFt
<hr/>				
Sample Number: 524		Type: R	Area: 5000.00 SqFt	PCI: 61
Sample Comments:				
57	WEATHERING	L	2350.00	SqFt
52	RAVELING	L	250.00	SqFt
57	WEATHERING	M	2400.00	SqFt
48	L & T CR	M	150.00	Ft
48	L & T CR	L	334.00	Ft
<hr/>				
Sample Number: 548		Type: R	Area: 5000.00 SqFt	PCI: 56
Sample Comments:				
48	L & T CR	M	200.00	Ft
57	WEATHERING	M	2400.00	SqFt
52	RAVELING	L	250.00	SqFt
57	WEATHERING	L	2350.00	SqFt
48	L & T CR	L	309.00	Ft
56	SWELLING	L	6.00	SqFt
<hr/>				
Sample Number: 560		Type: R	Area: 5000.00 SqFt	PCI: 58
Sample Comments:				
52	RAVELING	L	250.00	SqFt
48	L & T CR	M	200.00	Ft
57	WEATHERING	M	2400.00	SqFt
57	WEATHERING	L	2350.00	SqFt
48	L & T CR	L	376.00	Ft
<hr/>				
Sample Number: 592		Type: R	Area: 5000.00 SqFt	PCI: 54
Sample Comments:				
50	PATCHING	L	98.00	SqFt
48	L & T CR	L	295.00	Ft
57	WEATHERING	L	2350.00	SqFt
48	L & T CR	M	150.00	Ft
57	WEATHERING	M	2307.00	SqFt
56	SWELLING	L	20.00	SqFt
52	RAVELING	L	245.00	SqFt

Network:		TIX		Name:		SPACE COAST REGIONAL AIRPORT									
Branch:		RW 18-36		Name:		RUNWAY 18-36		Use:		RUNWAY		Area:		1,097,850 SqFt	
Section:		6125		of 6		From:		-		To:		-		Last Const.: 6/1/2002	
Surface:		AAC		Family:		C9N59-PR-RW-AAC-APC		Zone:		Category:		Rank:		P	
Area:		100,000 SqFt		Length:		1,000 Ft		Width:		100 Ft					
Slabs:		Slab Length:		Ft		Slab Width:		Ft		Joint Length:		Ft			
Shoulder:		Street Type:		Grade:		0		Lanes:		0					
Section Comments:															
Work Date:		1/1/1967		Work Type:		BUILT		Code:		IMPORTED		Is Major M&R:		True	
Work Date:		1/1/1971		Work Type:		OVERLAY		Code:		IMPORTED		Is Major M&R:		True	
Work Date:		6/1/2002		Work Type:		Mill and Overlay		Code:		ML-OL		Is Major M&R:		True	
Last Insp. Date:		3/4/2019		TotalSamples:		20		Surveyed:		5					
Conditions:		PCI: 62													
Inspection Comments:															
Sample Number:		402		Type:		R		Area:		5000.00 SqFt		PCI:		67	
Sample Comments:															
52	RAVELING		M		5.00 SqFt										
48	L & T CR		L		420.00 Ft										
52	RAVELING		L		50.00 SqFt										
48	L & T CR		M		12.00 Ft										
Sample Number:		406		Type:		R		Area:		5000.00 SqFt		PCI:		60	
Sample Comments:															
57	WEATHERING		M		2400.00 SqFt										
48	L & T CR		M		50.00 Ft										
48	L & T CR		L		408.00 Ft										
52	RAVELING		L		200.00 SqFt										
57	WEATHERING		L		2400.00 SqFt										
Sample Number:		410		Type:		R		Area:		5000.00 SqFt		PCI:		59	
Sample Comments:															
48	L & T CR		M		125.00 Ft										
48	L & T CR		L		365.00 Ft										
57	WEATHERING		M		2400.00 SqFt										
57	WEATHERING		L		2350.00 SqFt										
56	SWELLING		L		35.00 SqFt										
52	RAVELING		L		250.00 SqFt										
Sample Number:		413		Type:		R		Area:		5000.00 SqFt		PCI:		63	
Sample Comments:															
52	RAVELING		L		200.00 SqFt										
57	WEATHERING		M		2400.00 SqFt										
56	SWELLING		L		15.00 SqFt										
57	WEATHERING		L		2400.00 SqFt										
48	L & T CR		L		398.00 Ft										
Sample Number:		417		Type:		R		Area:		5000.00 SqFt		PCI:		61	
Sample Comments:															
57	WEATHERING		L		2400.00 SqFt										
48	L & T CR		M		50.00 Ft										
57	WEATHERING		M		2400.00 SqFt										
48	L & T CR		L		366.00 Ft										
52	RAVELING		L		200.00 SqFt										

Network:	TIX		Name:	SPACE COAST REGIONAL AIRPORT								
Branch:	RW 18-36		Name:	RUNWAY 18-36		Use:	RUNWAY	Area:	1,097,850 SqFt			
Section:	6130 of 6		From:	-		To:	-		Last Const.:	6/1/2002		
Surface:	AAC		Family:	C9N59-PR-RW-AAC-APC		Zone:			Category:	Rank: P		
Area:	50,000 SqFt		Length:	2,000 Ft		Width:	25 Ft					
Slabs:			Slab Length:	Ft		Slab Width:	Ft		Joint Length:	Ft		
Shoulder:			Street Type:			Grade:	0		Lanes:	0		
Section Comments:												
Work Date:	1/1/1967		Work Type:	BUILT				Code:	IMPORTED		Is Major M&R:	True
Work Date:	1/1/1971		Work Type:	OVERLAY				Code:	IMPORTED		Is Major M&R:	True
Work Date:	6/1/2002		Work Type:	Mill and Overlay				Code:	ML-OL		Is Major M&R:	True
Last Insp. Date:	3/4/2019		TotalSamples:	10		Surveyed:	2					
Conditions:	PCI: 60											
Inspection Comments:												
Sample Number:	212		Type:	R		Area:	5000.00 SqFt		PCI:	54		
Sample Comments:												
57	WEATHERING		M	2500.00 SqFt								
48	L & T CR		L	302.00 Ft								
56	SWELLING		L	50.00 SqFt								
57	WEATHERING		L	2500.00 SqFt								
48	L & T CR		M	300.00 Ft								
Sample Number:	600		Type:	R		Area:	5000.00 SqFt		PCI:	66		
Sample Comments:												
48	L & T CR		M	150.00 Ft								
57	WEATHERING		M	2500.00 SqFt								
57	WEATHERING		L	2500.00 SqFt								
48	L & T CR		L	273.00 Ft								

Network:		TIX		Name:		SPACE COAST REGIONAL AIRPORT								
Branch:	RW 18-36		Name:	RUNWAY 18-36		Use:	RUNWAY		Area:	1,097,850 SqFt				
Section:	6145		of	6		From:	-		To:	-		Last Const.:	6/1/2002	
Surface:	AAC		Family:	C9N59-PR-RW-AAC-APC		Zone:			Category:			Rank:	P	
Area:	131,900 SqFt		Length:	1,319 Ft		Width:			100 Ft					
Slabs:			Slab Length:	Ft		Slab Width:			Ft	Joint Length:			Ft	
Shoulder:			Street Type:			Grade:	0		Lanes:	0				
Section Comments:														
Work Date:	1/1/1971		Work Type:	New Construction - Initial				Code:	NU-IN		Is Major M&R:	True		
Work Date:	6/1/2002		Work Type:	Mill and Overlay				Code:	ML-OL		Is Major M&R:	True		
Last Insp. Date:	3/4/2019		TotalSamples:	26		Surveyed:	5							
Conditions:	PCI: 65													
Inspection Comments:														
Sample Number:	421		Type:	R		Area:	5000.00 SqFt		PCI:	59				
Sample Comments:														
57	WEATHERING		L	2400.00 SqFt										
48	L & T CR		M	12.00 Ft										
52	RAVELING		L	200.00 SqFt										
56	SWELLING		L	30.00 SqFt										
48	L & T CR		L	365.00 Ft										
57	WEATHERING		M	2400.00 SqFt										
Sample Number:	429		Type:	R		Area:	5000.00 SqFt		PCI:	66				
Sample Comments:														
57	WEATHERING		L	2350.00 SqFt										
48	L & T CR		L	379.00 Ft										
52	RAVELING		L	250.00 SqFt										
57	WEATHERING		M	2400.00 SqFt										
Sample Number:	437		Type:	R		Area:	5000.00 SqFt		PCI:	67				
Sample Comments:														
57	WEATHERING		L	2400.00 SqFt										
48	L & T CR		L	344.00 Ft										
57	WEATHERING		M	2400.00 SqFt										
52	RAVELING		L	200.00 SqFt										
Sample Number:	440		Type:	R		Area:	5000.00 SqFt		PCI:	65				
Sample Comments:														
52	RAVELING		L	500.00 SqFt										
48	L & T CR		L	465.00 Ft										
56	SWELLING		L	35.00 SqFt										
57	WEATHERING		M	4500.00 SqFt										
Sample Number:	445		Type:	R		Area:	6900.00 SqFt		PCI:	67				
Sample Comments:														
50	PATCHING		M	31.00 SqFt										
48	L & T CR		L	457.00 Ft										
52	RAVELING		L	69.00 SqFt										
57	WEATHERING		M	6800.00 SqFt										

Network:		TIX		Name:		SPACE COAST REGIONAL AIRPORT									
Branch:		RW 18-36		Name:		RUNWAY 18-36		Use:		RUNWAY		Area:		1,097,850 SqFt	
Section:		6150		of 6		From:		-		To:		-		Last Const.: 6/1/2002	
Surface:		AAC		Family:		C9N59-PR-RW-AAC-APC		Zone:		Category:		Rank:		P	
Area:		65,950 SqFt		Length:		2,600 Ft		Width:		25 Ft					
Slabs:		Slab Length:		Ft		Slab Width:		Ft		Joint Length:		Ft			
Shoulder:		Street Type:		Grade:		0		Lanes:		0					
Section Comments:															
Work Date:		1/1/1967		Work Type:		BUILT		Code:		IMPORTED		Is Major M&R:		True	
Work Date:		1/1/1971		Work Type:		OVERLAY		Code:		IMPORTED		Is Major M&R:		True	
Work Date:		6/1/2002		Work Type:		Mill and Overlay		Code:		ML-OL		Is Major M&R:		True	
Last Insp. Date:		3/4/2019		TotalSamples:		14		Surveyed:		3					
Conditions:		PCI: 64													
Inspection Comments:															
Sample Number:		220		Type:		R		Area:		5000.00 SqFt		PCI:		67	
Sample Comments:															
48	L & T CR			M		100.00 Ft									
57	WEATHERING			M		4950.00 SqFt									
48	L & T CR			L		316.00 Ft									
52	RAVELING			L		50.00 SqFt									
Sample Number:		222		Type:		R		Area:		3750.00 SqFt		PCI:		59	
Sample Comments:															
57	WEATHERING			L		712.00 SqFt									
48	L & T CR			M		200.00 Ft									
48	L & T CR			L		211.00 Ft									
56	SWELLING			L		5.00 SqFt									
57	WEATHERING			M		3000.00 SqFt									
52	RAVELING			L		38.00 SqFt									
Sample Number:		618		Type:		R		Area:		5000.00 SqFt		PCI:		65	
Sample Comments:															
48	L & T CR			L		344.00 Ft									
52	RAVELING			L		150.00 SqFt									
48	L & T CR			M		100.00 Ft									
57	WEATHERING			M		3750.00 SqFt									
57	WEATHERING			L		1100.00 SqFt									

Network:	TIX		Name:		SPACE COAST REGIONAL AIRPORT							
Branch:	RW 9-27		Name:		RUNWAY 9-27		Use:	RUNWAY	Area:	489,743 SqFt		
Section:	6205		of 2		From:		-		To:	-	Last Const.:	1/1/1998
Surface:	AAC		Family:		C9N59-PR-RW-AAC-APC		Zone:		Category:		Rank: S	
Area:	169,743 SqFt		Length:		1,650 Ft		Width:		100 Ft			
Slabs:			Slab Length:		Ft		Slab Width:		Ft		Joint Length: Ft	
Shoulder:			Street Type:				Grade:		0		Lanes: 0	
Section Comments:												
Work Date:	1/1/1943		Work Type: BUILT					Code:	IMPORTED		Is Major M&R: True	
Work Date:	1/1/1976		Work Type: OVERLAY					Code:	IMPORTED		Is Major M&R: True	
Work Date:	1/1/1998		Work Type: Mill and Overlay					Code:	ML-OL		Is Major M&R: True	
Last Insp. Date:	3/4/2019		TotalSamples:		34		Surveyed:		7			
Conditions:	PCI: 63											
Inspection Comments:												
Sample Number:	100		Type:	R		Area:		5000.00 SqFt		PCI:	62	
Sample Comments:												
52	RAVELING		L		500.00 SqFt							
57	WEATHERING		M		2500.00 SqFt							
48	L & T CR		L		528.00 Ft							
57	WEATHERING		L		2000.00 SqFt							
Sample Number:	105		Type:	R		Area:		5000.00 SqFt		PCI:	64	
Sample Comments:												
48	L & T CR		L		434.00 Ft							
57	WEATHERING		L		2400.00 SqFt							
52	RAVELING		L		1600.00 SqFt							
57	WEATHERING		M		1000.00 SqFt							
Sample Number:	114		Type:	R		Area:		5000.00 SqFt		PCI:	58	
Sample Comments:												
48	L & T CR		L		289.00 Ft							
48	L & T CR		M		200.00 Ft							
57	WEATHERING		M		1125.00 SqFt							
52	RAVELING		L		100.00 SqFt							
57	WEATHERING		L		3375.00 SqFt							
Sample Number:	117		Type:	R		Area:		5000.00 SqFt		PCI:	60	
Sample Comments:												
48	L & T CR		L		558.00 Ft							
57	WEATHERING		L		2250.00 SqFt							
56	SWELLING		L		10.00 SqFt							
57	WEATHERING		M		2250.00 SqFt							
52	RAVELING		L		100.00 SqFt							
Sample Number:	122		Type:	R		Area:		5000.00 SqFt		PCI:	66	
Sample Comments:												
52	RAVELING		L		100.00 SqFt							
48	L & T CR		L		396.00 Ft							
57	WEATHERING		M		2250.00 SqFt							
57	WEATHERING		L		2250.00 SqFt							
Sample Number:	130		Type:	R		Area:		5000.00 SqFt		PCI:	66	
Sample Comments:												
48	L & T CR		L		449.00 Ft							
57	WEATHERING		L		2500.00 SqFt							
57	WEATHERING		M		2450.00 SqFt							
52	RAVELING		L		50.00 SqFt							

Sample Number: 134		Type:	R	Area:	5000.00 SqFt	PCI:	64
Sample Comments:							
52	RAVELING		L	100.00	SqFt		
57	WEATHERING		M	2450.00	SqFt		
57	WEATHERING		L	2450.00	SqFt		
48	L & T CR		L	423.00	Ft		
56	SWELLING		L	5.00	SqFt		

Network:	TIX			Name:	SPACE COAST REGIONAL AIRPORT							
Branch:	RW 9-27		Name:	RUNWAY 9-27		Use:	RUNWAY		Area:	489,743 SqFt		
Section:	6210		of	2	From:	-		To:	-		Last Const.:	1/1/1998
Surface:	AAC		Family:	C9N59-PR-RW-AAC-APC		Zone:			Category:	Rank: S		
Area:	320,000 SqFt		Length:	3,200 Ft		Width:	100 Ft					
Slabs:	34		Slab Length:	50 Ft		Slab Width:	50 Ft		Joint Length:	1,650 Ft		
Shoulder:			Street Type:			Grade:	0		Lanes:	0		
Section Comments:												
Work Date:	1/1/1943		Work Type:	New Construction - AC				Code:	NC-AC		Is Major M&R:	True
Work Date:	1/1/1976		Work Type:	Overlay - AC Structural				Code:	OL-AS		Is Major M&R:	True
Work Date:	1/1/1998		Work Type:	Overlay - AC Structural				Code:	OL-AS		Is Major M&R:	True
Last Insp. Date:	3/4/2019		TotalSamples:	64		Surveyed:	13					
Conditions:	PCI: 53											
Inspection Comments:												
Sample Number:	136		Type:	R		Area:	5000.00 SqFt		PCI:	49		
Sample Comments:												
57	WEATHERING		L	2400.00 SqFt								
43	BLOCK CR		L	1850.00 SqFt								
52	RAVELING		L	150.00 SqFt								
48	L & T CR		L	286.00 Ft								
57	WEATHERING		M	2450.00 SqFt								
56	SWELLING		L	215.00 SqFt								
Sample Number:	141		Type:	R		Area:	5000.00 SqFt		PCI:	47		
Sample Comments:												
52	RAVELING		L	200.00 SqFt								
57	WEATHERING		L	2400.00 SqFt								
48	L & T CR		L	105.00 Ft								
56	SWELLING		L	250.00 SqFt								
43	BLOCK CR		L	2500.00 SqFt								
57	WEATHERING		M	2400.00 SqFt								
Sample Number:	148		Type:	R		Area:	5000.00 SqFt		PCI:	44		
Sample Comments:												
52	RAVELING		L	200.00 SqFt								
57	WEATHERING		L	2400.00 SqFt								
56	SWELLING		L	260.00 SqFt								
57	WEATHERING		M	2400.00 SqFt								
48	L & T CR		M	15.00 Ft								
43	BLOCK CR		L	2000.00 SqFt								
48	L & T CR		L	150.00 Ft								
Sample Number:	155		Type:	R		Area:	5000.00 SqFt		PCI:	51		
Sample Comments:												
57	WEATHERING		M	2450.00 SqFt								
48	L & T CR		L	549.00 Ft								
52	RAVELING		L	150.00 SqFt								
56	SWELLING		M	40.00 SqFt								
56	SWELLING		L	150.00 SqFt								
57	WEATHERING		L	2400.00 SqFt								
Sample Number:	162		Type:	R		Area:	5000.00 SqFt		PCI:	43		
Sample Comments:												
56	SWELLING		M	10.00 SqFt								
57	WEATHERING		M	2400.00 SqFt								
48	L & T CR		L	400.00 Ft								
57	WEATHERING		L	2350.00 SqFt								
48	L & T CR		M	50.00 Ft								
52	RAVELING		L	250.00 SqFt								

43	BLOCK CR	L	700.00	SqFt
56	SWELLING	L	850.00	SqFt
Sample Number: 165 Type: R Area: 5000.00 SqFt PCI: 47				
Sample Comments:				
57	WEATHERING	M	2300.00	SqFt
48	L & T CR	L	316.00	Ft
52	RAVELING	L	500.00	SqFt
56	SWELLING	L	500.00	SqFt
43	BLOCK CR	L	1250.00	SqFt
48	L & T CR	M	100.00	Ft
57	WEATHERING	L	2200.00	SqFt
Sample Number: 169 Type: R Area: 5000.00 SqFt PCI: 54				
Sample Comments:				
48	L & T CR	L	603.00	Ft
52	RAVELING	L	200.00	SqFt
57	WEATHERING	M	2400.00	SqFt
56	SWELLING	L	400.00	SqFt
57	WEATHERING	L	2400.00	SqFt
Sample Number: 176 Type: R Area: 5000.00 SqFt PCI: 61				
Sample Comments:				
52	RAVELING	L	450.00	SqFt
57	WEATHERING	L	2250.00	SqFt
56	SWELLING	L	650.00	SqFt
48	L & T CR	L	226.00	Ft
57	WEATHERING	M	2300.00	SqFt
Sample Number: 179 Type: R Area: 5000.00 SqFt PCI: 59				
Sample Comments:				
57	WEATHERING	L	2350.00	SqFt
57	WEATHERING	M	2350.00	SqFt
52	RAVELING	L	300.00	SqFt
56	SWELLING	L	350.00	SqFt
48	L & T CR	L	278.00	Ft
48	L & T CR	M	50.00	Ft
Sample Number: 183 Type: R Area: 5000.00 SqFt PCI: 55				
Sample Comments:				
52	RAVELING	L	200.00	SqFt
48	L & T CR	M	50.00	Ft
57	WEATHERING	M	2400.00	SqFt
56	SWELLING	L	600.00	SqFt
48	L & T CR	L	393.00	Ft
57	WEATHERING	L	2400.00	SqFt
Sample Number: 186 Type: R Area: 5000.00 SqFt PCI: 51				
Sample Comments:				
48	L & T CR	L	359.00	Ft
57	WEATHERING	M	2400.00	SqFt
52	RAVELING	L	250.00	SqFt
56	SWELLING	L	350.00	SqFt
48	L & T CR	M	50.00	Ft
56	SWELLING	M	50.00	SqFt
57	WEATHERING	L	2350.00	SqFt
Sample Number: 190 Type: R Area: 5000.00 SqFt PCI: 64				
Sample Comments:				
57	WEATHERING	L	1625.00	SqFt
48	L & T CR	L	301.00	Ft
56	SWELLING	L	275.00	SqFt
52	RAVELING	L	1750.00	SqFt
57	WEATHERING	M	1625.00	SqFt
Sample Number: 194 Type: R Area: 5000.00 SqFt PCI: 59				
Sample Comments:				
57	WEATHERING	M	250.00	SqFt

48	L & T CR	L	391.00	Ft
52	RAVELING	L	2500.00	SqFt
57	WEATHERING	L	2250.00	SqFt
56	SWELLING	L	600.00	SqFt

Network:	TIX			Name:	SPACE COAST REGIONAL AIRPORT							
Branch:	TW A		Name:	TAXIWAY A		Use:	TAXIWAY		Area:	355,289 SqFt		
Section:	105 of 5		From:	-			To:	-			Last Const.:	6/1/2002
Surface:	AAC		Family:	C9N59-PR-TW-AAC-APC		Zone:				Category:	Rank: P	
Area:	114,651 SqFt		Length:	2,200 Ft		Width:	50 Ft					
Slabs:			Slab Length:	Ft		Slab Width:	Ft		Joint Length:	Ft		
Shoulder:			Street Type:			Grade:	0		Lanes:	0		
Section Comments:												
Work Date:	1/1/1943		Work Type: BUILT				Code:	IMPORTED		Is Major M&R:	True	
Work Date:	1/1/1971		Work Type: OVERLAY				Code:	IMPORTED		Is Major M&R:	True	
Work Date:	6/1/2002		Work Type: Mill and Overlay				Code:	ML-OL		Is Major M&R:	True	
Last Insp. Date:	3/4/2019		TotalSamples:	22		Surveyed:	4					
Conditions:	PCI: 68											
Inspection Comments:												
Sample Number:	100		Type:	R		Area:	5432.00 SqFt		PCI:	65		
Sample Comments:												
48	L & T CR		L	310.00 Ft								
57	WEATHERING		M	5432.00 SqFt								
48	L & T CR		M	200.00 Ft								
Sample Number:	108		Type:	R		Area:	5000.00 SqFt		PCI:	67		
Sample Comments:												
56	SWELLING		L	60.00 SqFt								
48	L & T CR		L	533.00 Ft								
57	WEATHERING		M	5000.00 SqFt								
Sample Number:	113		Type:	R		Area:	5000.00 SqFt		PCI:	71		
Sample Comments:												
48	L & T CR		L	467.00 Ft								
56	SWELLING		L	25.00 SqFt								
57	WEATHERING		M	5000.00 SqFt								
Sample Number:	118		Type:	R		Area:	5000.00 SqFt		PCI:	70		
Sample Comments:												
57	WEATHERING		M	5000.00 SqFt								
56	SWELLING		L	45.00 SqFt								
48	L & T CR		L	467.00 Ft								

Network:		TIX		Name:		SPACE COAST REGIONAL AIRPORT							
Branch:	TW A		Name:		TAXIWAY A		Use:	TAXIWAY	Area:	355,289 SqFt			
Section:	110		of 5		From:	-		To:	-		Last Const.:	6/1/2002	
Surface:	AAC		Family:	C9N59-PR-TW-AAC-APC		Zone:			Category:	Rank:		P	
Area:	70,000 SqFt		Length:	1,400 Ft		Width:	50 Ft						
Slabs:			Slab Length:	Ft		Slab Width:	Ft		Joint Length:	Ft			
Shoulder:			Street Type:			Grade:	0		Lanes:	0			
Section Comments:													
Work Date:	1/1/1943		Work Type:				BUILT		Code:	IMPORTED		Is Major M&R:	True
Work Date:	1/1/1971		Work Type:				OVERLAY		Code:	IMPORTED		Is Major M&R:	True
Work Date:	1/1/1992		Work Type:				REPAIR		Code:	IMPORTED		Is Major M&R:	False
Work Date:	6/1/2002		Work Type:				Mill and Overlay		Code:	ML-OL		Is Major M&R:	True
Last Insp. Date:	3/4/2019		TotalSamples:	14		Surveyed:	3						
Conditions:	PCI: 66												
Inspection Comments:													
Sample Number:	121		Type:	R		Area:	5000.00 SqFt		PCI:	69			
Sample Comments:													
52	RAVELING		L	50.00 SqFt									
57	WEATHERING		M	4950.00 SqFt									
48	L & T CR		L	518.00 Ft									
Sample Number:	127		Type:	R		Area:	5000.00 SqFt		PCI:	63			
Sample Comments:													
48	L & T CR		L	526.00 Ft									
57	WEATHERING		M	4950.00 SqFt									
52	RAVELING		L	50.00 SqFt									
43	BLOCK CR		L	50.00 SqFt									
Sample Number:	131		Type:	R		Area:	5000.00 SqFt		PCI:	66			
Sample Comments:													
57	WEATHERING		M	4900.00 SqFt									
48	L & T CR		L	583.00 Ft									
52	RAVELING		L	100.00 SqFt									

Network:	TIX		Name:	SPACE COAST REGIONAL AIRPORT								
Branch:	TW A		Name:	TAXIWAY A		Use:	TAXIWAY		Area:	355,289 SqFt		
Section:	112 of 5		From:	-			To:	-			Last Const.:	6/1/2002
Surface:	AAC		Family:	C9N59-PR-TW-AAC-APC		Zone:				Category:	Rank: P	
Area:	30,000 SqFt		Length:	600 Ft		Width:	50 Ft					
Slabs:	Slab Length:		Ft		Slab Width:	Ft		Joint Length:	Ft			
Shoulder:	Street Type:		Grade:		0		Lanes:	0				
Section Comments:												
Work Date:	1/1/1943		Work Type: BUILT				Code:	IMPORTED		Is Major M&R:	True	
Work Date:	1/1/1971		Work Type: OVERLAY				Code:	IMPORTED		Is Major M&R:	True	
Work Date:	6/1/2002		Work Type: Mill and Overlay				Code:	ML-OL		Is Major M&R:	True	
Last Insp. Date:	3/4/2019		TotalSamples:	6		Surveyed:	2					
Conditions:	PCI: 67											
Inspection Comments:												
Sample Number:	134		Type:	R		Area:	5000.00 SqFt		PCI:	69		
Sample Comments:												
48	L & T CR		L	487.00 Ft								
57	WEATHERING		M	4950.00 SqFt								
52	RAVELING		L	50.00 SqFt								
Sample Number:	137		Type:	R		Area:	5000.00 SqFt		PCI:	64		
Sample Comments:												
48	L & T CR		L	350.00 Ft								
57	WEATHERING		M	4850.00 SqFt								
48	L & T CR		M	100.00 Ft								
52	RAVELING		L	150.00 SqFt								

Network:	TIX		Name:	SPACE COAST REGIONAL AIRPORT								
Branch:	TW A		Name:	TAXIWAY A		Use:	TAXIWAY		Area:	355,289 SqFt		
Section:	115 of 5		From:	-		To:	-		Last Const.:	6/1/2002		
Surface:	AAC		Family:	C9N59-PR-TW-AAC-APC		Zone:			Category:	Rank: P		
Area:	50,000 SqFt		Length:	1,000 Ft		Width:	50 Ft					
Slabs:			Slab Length:	Ft		Slab Width:	Ft		Joint Length:	Ft		
Shoulder:			Street Type:			Grade:	0		Lanes:	0		
Section Comments:												
Work Date:	1/1/1967		Work Type:	BUILT				Code:	IMPORTED		Is Major M&R:	True
Work Date:	1/1/1971		Work Type:	OVERLAY				Code:	IMPORTED		Is Major M&R:	True
Work Date:	6/1/2002		Work Type:	Mill and Overlay				Code:	ML-OL		Is Major M&R:	True
Last Insp. Date:	3/4/2019		TotalSamples:	10		Surveyed:	2					
Conditions:	PCI: 67											
Inspection Comments:												
Sample Number:	143		Type:	R		Area:	5000.00 SqFt		PCI:	70		
Sample Comments:												
48	L & T CR		M	100.00 Ft								
48	L & T CR		L	268.00 Ft								
57	WEATHERING		M	5000.00 SqFt								
Sample Number:	148		Type:	R		Area:	5000.00 SqFt		PCI:	64		
Sample Comments:												
57	WEATHERING		M	4800.00 SqFt								
52	RAVELING		L	200.00 SqFt								
56	SWELLING		L	12.00 SqFt								
48	L & T CR		L	550.00 Ft								

Network:	TIX		Name:		SPACE COAST REGIONAL AIRPORT							
Branch:	TW A		Name:	TAXIWAY A		Use:	TAXIWAY	Area:	355,289 SqFt			
Section:	120		of	5	From:	-		To:	-		Last Const.:	6/1/2002
Surface:	AAC		Family:	C9N59-PR-TW-AAC-APC		Zone:			Category:	Rank: P		
Area:	90,638 SqFt		Length:	1,800 Ft		Width:	50 Ft					
Slabs:			Slab Length:	Ft		Slab Width:	Ft		Joint Length:	Ft		
Shoulder:			Street Type:			Grade:	0		Lanes:	0		
Section Comments:												
Work Date:	1/1/1967		Work Type: BUILT				Code:	IMPORTED		Is Major M&R: True		
Work Date:	1/1/1971		Work Type: OVERLAY				Code:	IMPORTED		Is Major M&R: True		
Work Date:	6/1/2002		Work Type: Mill and Overlay				Code:	ML-OL		Is Major M&R: True		
Last Insp. Date:	3/4/2019		TotalSamples:	17		Surveyed:	3					
Conditions:	PCI: 65											
Inspection Comments:												
Sample Number:	151		Type:	R		Area:	5000.00 SqFt		PCI:	75		
Sample Comments:												
57	WEATHERING		M	5000.00 SqFt								
48	L & T CR		L	327.00 Ft								
Sample Number:	157		Type:	R		Area:	5007.00 SqFt		PCI:	75		
Sample Comments:												
57	WEATHERING		M	5007.00 SqFt								
48	L & T CR		L	366.00 Ft								
Sample Number:	162		Type:	R		Area:	6463.00 SqFt		PCI:	50		
Sample Comments:												
52	RAVELING		L	619.00 SqFt								
48	L & T CR		L	561.00 Ft								
56	SWELLING		L	125.00 SqFt								
48	L & T CR		M	300.00 Ft								
57	WEATHERING		M	5544.00 SqFt								
50	PATCHING		L	300.00 SqFt								

Network:	TIX		Name:	SPACE COAST REGIONAL AIRPORT						
Branch:	TW A2		Name:	TAXIWAY A2		Use:	TAXIWAY	Area:	35,137 SqFt	
Section:	125		of	1	From:	-		To:	-	
Surface:	AAC		Family:	C9N59-PR-TW-AAC-APC		Zone:			Category:	Rank: P
Area:	35,137 SqFt		Length:	600 Ft		Width:	500 Ft			
Slabs:			Slab Length:	Ft		Slab Width:	Ft		Joint Length:	Ft
Shoulder:			Street Type:			Grade:	0		Lanes:	0
Section Comments:										
Work Date:	1/1/1943		Work Type: BUILT				Code:	IMPORTED		Is Major M&R: True
Work Date:	1/1/1971		Work Type: OVERLAY				Code:	IMPORTED		Is Major M&R: True
Work Date:	6/1/2002		Work Type: Mill and Overlay				Code:	ML-OL		Is Major M&R: True
Last Insp. Date:	3/4/2019		TotalSamples:	7		Surveyed:	2			
Conditions:	PCI: 65									
Inspection Comments:										
Sample Number:	300		Type:	R		Area:	6780.00 SqFt		PCI:	64
Sample Comments:										
52	RAVELING		L	339.00 SqFt						
57	WEATHERING		L	3220.00 SqFt						
56	SWELLING		L	10.00 SqFt						
48	L & T CR		L	209.00 Ft						
57	WEATHERING		M	3221.00 SqFt						
48	L & T CR		M	100.00 Ft						
Sample Number:	303		Type:	R		Area:	5054.00 SqFt		PCI:	67
Sample Comments:										
48	L & T CR		M	100.00 Ft						
56	SWELLING		L	50.00 SqFt						
48	L & T CR		L	285.00 Ft						
57	WEATHERING		L	1011.00 SqFt						
57	WEATHERING		M	4043.00 SqFt						

Network:	TIX			Name:	SPACE COAST REGIONAL AIRPORT									
Branch:	TW B		Name:	TAXIWAY B		Use:	TAXIWAY		Area:	256,505 SqFt				
Section:	205		of	2		From:	-		To:	-		Last Const.:	6/1/2002	
Surface:	AAC		Family:	C9N59-PR-TW-AAC-APC		Zone:			Category:			Rank:	P	
Area:	22,146 SqFt		Length:	400 Ft		Width:	50 Ft							
Slabs:			Slab Length:	Ft		Slab Width:	Ft		Joint Length:	Ft				
Shoulder:			Street Type:			Grade:	0		Lanes:	0				
Section Comments:														
Work Date:	1/1/1943		Work Type:	BUILT				Code:	IMPORTED		Is Major M&R:	True		
Work Date:	1/1/1976		Work Type:	OVERLAY				Code:	IMPORTED		Is Major M&R:	True		
Work Date:	6/1/2002		Work Type:	Mill and Overlay				Code:	ML-OL		Is Major M&R:	True		
Last Insp. Date: 3/4/2019														
		TotalSamples:	4		Surveyed:		1							
Conditions:	PCI: 57													
Inspection Comments:														
Sample Number:	502		Type:	R		Area:	5000.00 SqFt		PCI:	57				
Sample Comments:														
52	RAVELING		L	250.00 SqFt										
48	L & T CR		L	250.00 Ft										
43	BLOCK CR		L	2500.00 SqFt										
57	WEATHERING		M	4750.00 SqFt										

Network:	TIX			Name:	SPACE COAST REGIONAL AIRPORT				
Branch:	TW B		Name:	TAXIWAY B		Use:	TAXIWAY	Area:	256,505 SqFt
Section:	210	of 2	From:	-			To:	-	Last Const.: 1/1/2013
Surface:	AAC	Family:	C9N59-PR-TW-AAC-APC	Zone:				Category:	Rank: P
Area:	234,359 SqFt	Length:	4,600 Ft	Width:	50 Ft				
Slabs:	Slab Length:		Ft	Slab Width:	Ft		Joint Length:	Ft	
Shoulder:	Street Type:		Grade:	0		Lanes:	0		
Section Comments:									
Work Date:	1/1/1943		Work Type: BUILT				Code:	IMPORTED	Is Major M&R: True
Work Date:	1/1/1976		Work Type: OVERLAY				Code:	IMPORTED	Is Major M&R: True
Work Date:	1/1/2013		Work Type: MILL and OVERLAY				Code:	ML-OV	Is Major M&R: True
Last Insp. Date:	3/4/2019		TotalSamples:	47		Surveyed:	7		
Conditions:	PCI:	89							
Inspection Comments:									
Sample Number:	500	Type:	R	Area:	5537.00 SqFt		PCI:	92	
Sample Comments:									
57	WEATHERING	L	5537.00 SqFt						
48	L & T CR	L	3.00 Ft						
Sample Number:	506	Type:	R	Area:	5001.00 SqFt		PCI:	94	
Sample Comments:									
57	WEATHERING	L	5001.00 SqFt						
Sample Number:	515	Type:	R	Area:	5000.00 SqFt		PCI:	94	
Sample Comments:									
57	WEATHERING	L	5000.00 SqFt						
Sample Number:	525	Type:	R	Area:	5000.00 SqFt		PCI:	94	
Sample Comments:									
57	WEATHERING	L	5000.00 SqFt						
Sample Number:	533	Type:	R	Area:	5000.00 SqFt		PCI:	84	
Sample Comments:									
48	L & T CR	L	143.00 Ft						
57	WEATHERING	L	5000.00 SqFt						
56	SWELLING	L	15.00 SqFt						
Sample Number:	541	Type:	R	Area:	5000.00 SqFt		PCI:	85	
Sample Comments:									
52	RAVELING	L	50.00 SqFt						
48	L & T CR	L	49.00 Ft						
56	SWELLING	L	25.00 SqFt						
57	WEATHERING	L	4950.00 SqFt						
Sample Number:	545	Type:	R	Area:	5000.00 SqFt		PCI:	80	
Sample Comments:									
57	WEATHERING	L	5000.00 SqFt						
56	SWELLING	L	5.00 SqFt						
48	L & T CR	L	228.00 Ft						

Network:	TIX		Name:		SPACE COAST REGIONAL AIRPORT								
Branch:	TW C		Name:		TAXIWAY C		Use:	TAXIWAY	Area:	196,395 SqFt			
Section:	305		of 3		From:	-		To:	-		Last Const.:	1/1/2004	
Surface:	AAC		Family:	C9N59-PR-TW-AAC-APC		Zone:			Category:	Rank: P			
Area:	46,879 SqFt		Length:	700 Ft		Width:	65 Ft						
Slabs:			Slab Length:	Ft		Slab Width:	Ft		Joint Length:	Ft			
Shoulder:			Street Type:			Grade:	0		Lanes:	0			
Section Comments:													
Work Date:	1/1/1943		Work Type:				BUILT		Code:	IMPORTED		Is Major M&R:	True
Work Date:	1/1/1971		Work Type:				OVERLAY		Code:	IMPORTED		Is Major M&R:	True
Work Date:	1/1/2004		Work Type:				Mill and Overlay		Code:	ML-OL		Is Major M&R:	True
Last Insp. Date:	3/4/2019		TotalSamples:	9		Surveyed:		2					
Conditions:	PCI: 68												
Inspection Comments:													
Sample Number:	701		Type:	R		Area:	5000.00 SqFt		PCI:	69			
Sample Comments:													
57	WEATHERING		M	2375.00		SqFt							
56	SWELLING		L	10.00		SqFt							
57	WEATHERING		L	2375.00		SqFt							
48	L & T CR		L	201.00		Ft							
52	RAVELING		L	250.00		SqFt							
Sample Number:	704		Type:	R		Area:	6717.00 SqFt		PCI:	67			
Sample Comments:													
56	SWELLING		L	30.00		SqFt							
57	WEATHERING		M	6571.00		SqFt							
48	L & T CR		L	486.00		Ft							
52	RAVELING		L	134.00		SqFt							
50	PATCHING		L	12.00		SqFt							

Network:		TIX		Name:		SPACE COAST REGIONAL AIRPORT									
Branch:		TW C		Name:		TAXIWAY C		Use:		TAXIWAY		Area:		196,395 SqFt	
Section:		310		of 3		From:		-		To:		-		Last Const.: 1/1/1986	
Surface:		AAC		Family:		C9N59-PR-TW-AAC-APC		Zone:		Category:		Rank:		P	
Area:		116,660 SqFt		Length:		2,300 Ft		Width:		50 Ft					
Slabs:		Slab Length:		Ft		Slab Width:		Ft		Joint Length:		Ft			
Shoulder:		Street Type:		Grade:		0		Lanes:		0					
Section Comments:															
Work Date:		1/1/1943		Work Type:		BUILT		Code:		IMPORTED		Is Major M&R:		True	
Work Date:		1/1/1986		Work Type:		OVERLAY		Code:		IMPORTED		Is Major M&R:		True	
Last Insp. Date:		3/4/2019		TotalSamples:		24		Surveyed:		4					
Conditions:		PCI: 63													
Inspection Comments:															
Sample Number:		701		Type:		R		Area:		5263.00 SqFt		PCI:		63	
Sample Comments:															
52	RAVELING			L		1013.00 SqFt									
52	RAVELING			M		200.00 SqFt									
48	L & T CR			M		200.00 Ft									
48	L & T CR			L		255.00 Ft									
Sample Number:		707		Type:		R		Area:		4672.00 SqFt		PCI:		62	
Sample Comments:															
48	L & T CR			M		150.00 Ft									
48	L & T CR			L		278.00 Ft									
52	RAVELING			L		4672.00 SqFt									
Sample Number:		714		Type:		R		Area:		5000.00 SqFt		PCI:		66	
Sample Comments:															
48	L & T CR			M		100.00 Ft									
48	L & T CR			L		317.00 Ft									
52	RAVELING			L		1250.00 SqFt									
57	WEATHERING			M		3750.00 SqFt									
Sample Number:		719		Type:		R		Area:		5000.00 SqFt		PCI:		62	
Sample Comments:															
48	L & T CR			M		100.00 Ft									
52	RAVELING			L		2500.00 SqFt									
57	WEATHERING			M		2500.00 SqFt									
48	L & T CR			L		436.00 Ft									

Network:	TIX		Name:	SPACE COAST REGIONAL AIRPORT										
Branch:	TW C		Name:	TAXIWAY C		Use:	TAXIWAY		Area:	196,395 SqFt				
Section:	315		of	3		From:	-		To:	-		Last Const.:	1/1/2013	
Surface:	AAC		Family:	C9N59-PR-TW-AAC-APC		Zone:			Category:			Rank:	P	
Area:	32,856 SqFt		Length:	600 Ft		Width:	50 Ft							
Slabs:			Slab Length:	Ft		Slab Width:	Ft		Joint Length:	Ft				
Shoulder:			Street Type:			Grade:	0		Lanes:	0				
Section Comments:														
Work Date:	1/1/1943		Work Type: BUILT					Code:	IMPORTED		Is Major M&R:	True		
Work Date:	1/1/1976		Work Type: OVERLAY					Code:	IMPORTED		Is Major M&R:	True		
Work Date:	1/1/2013		Work Type: MILL and OVERLAY					Code:	ML-OV		Is Major M&R:	True		
Last Insp. Date: 3/4/2019														
Conditions:	PCI: 88		TotalSamples:	7		Surveyed:	2							
Inspection Comments:														
Sample Number:	723		Type:	R		Area:	5000.00 SqFt		PCI:	90				
Sample Comments:														
57	WEATHERING		L	5000.00 SqFt										
48	L & T CR		L	23.00 Ft										
Sample Number:	726		Type:	R		Area:	5007.00 SqFt		PCI:	86				
Sample Comments:														
56	SWELLING		L	10.00 SqFt										
57	WEATHERING		L	5007.00 SqFt										
48	L & T CR		L	96.00 Ft										

Network:	TIX		Name:	SPACE COAST REGIONAL AIRPORT							
Branch:	TW D		Name:	TAXIWAY D		Use:	TAXIWAY		Area:	107,711 SqFt	
Section:	404 of 3		From:	-		To:	-		Last Const.:	1/1/2000	
Surface:	AAC		Family:	C9N59-PR-TW-AAC-APC		Zone:			Category:	Rank: T	
Area:	26,461 SqFt		Length:	400 Ft		Width:	50 Ft				
Slabs:	Slab Length:		Ft		Slab Width:	Ft		Joint Length:	Ft		
Shoulder:	Street Type:		Grade:		0		Lanes:	0			
Section Comments:											
Work Date:	1/1/1943		Work Type: BUILT				Code:	IMPORTED		Is Major M&R:	True
Work Date:	1/1/2000		Work Type: MILL and OVERLAY				Code:	ML-OV		Is Major M&R:	True
Last Insp. Date: 3/4/2019											
TotalSamples:			5		Surveyed: 1						
Conditions:	PCI: 65										
Inspection Comments:											
Sample Number:	402		Type:	R		Area:	5000.00 SqFt		PCI:	65	
Sample Comments:											
57	WEATHERING		M	4750.00 SqFt							
52	RAVELING		L	250.00 SqFt							
48	L & T CR		M	50.00 Ft							
48	L & T CR		L	160.00 Ft							

Network:	TIX		Name:	SPACE COAST REGIONAL AIRPORT								
Branch:	TW D		Name:	TAXIWAY D		Use:	TAXIWAY		Area:	107,711 SqFt		
Section:	408 of 3		From:	-		To:	-		Last Const.:	1/1/2000		
Surface:	AAC		Family:	C9N59-PR-TW-AAC-APC		Zone:			Category:	Rank: P		
Area:	7,500 SqFt		Length:	150 Ft		Width:	50 Ft					
Slabs:			Slab Length:	Ft		Slab Width:	Ft		Joint Length:	Ft		
Shoulder:			Street Type:			Grade:	0		Lanes:	0		
Section Comments:												
Work Date:	1/1/1943		Work Type:	New Construction - Initial				Code:	NU-IN		Is Major M&R:	True
Work Date:	1/1/2000		Work Type:	MILL and OVERLAY				Code:	ML-OV		Is Major M&R:	True
Last Insp. Date:	3/4/2019		TotalSamples:	2		Surveyed:	2					
Conditions:	PCI: 65											
Inspection Comments:												
Sample Number:	404		Type:	R		Area:	3750.00 SqFt		PCI:	65		
Sample Comments:												
48	L & T CR		M	75.00 Ft								
57	WEATHERING		M	3562.00 SqFt								
52	RAVELING		L	188.00 SqFt								
48	L & T CR		L	75.00 Ft								
Sample Number:	405		Type:	R		Area:	3750.00 SqFt		PCI:	65		
Sample Comments:												
48	L & T CR		L	75.00 Ft								
57	WEATHERING		M	3562.00 SqFt								
48	L & T CR		M	75.00 Ft								
52	RAVELING		L	188.00 SqFt								

Network:	TIX		Name:		SPACE COAST REGIONAL AIRPORT							
Branch:	TW D		Name:		TAXIWAY D		Use:	TAXIWAY	Area:	107,711 SqFt		
Section:	410		of 3		From:	-		To:	-		Last Const.:	1/1/2000
Surface:	AAC		Family:	C9N59-PR-TW-AAC-APC		Zone:			Category:	Rank: P		
Area:	73,750 SqFt		Length:	1,450 Ft		Width:	50 Ft					
Slabs:			Slab Length:	Ft		Slab Width:	Ft		Joint Length:	Ft		
Shoulder:			Street Type:			Grade:	0		Lanes:	0		
Section Comments:												
Work Date:	1/1/1985		Work Type: BUILT					Code:	IMPORTED		Is Major M&R: True	
Work Date:	1/1/2000		Work Type: MILL and OVERLAY					Code:	ML-OV		Is Major M&R: True	
Last Insp. Date:	3/4/2019		TotalSamples:	15		Surveyed:	3					
Conditions:	PCI: 75											
Inspection Comments:												
Sample Number:	407		Type:	R		Area:	3750.00 SqFt		PCI:	70		
Sample Comments:												
48	L & T CR		L	156.00 Ft								
57	WEATHERING		M	3562.00 SqFt								
52	RAVELING		L	188.00 SqFt								
Sample Number:	412		Type:	R		Area:	5000.00 SqFt		PCI:	75		
Sample Comments:												
48	L & T CR		L	239.00 Ft								
57	WEATHERING		M	5000.00 SqFt								
Sample Number:	415		Type:	R		Area:	5000.00 SqFt		PCI:	80		
Sample Comments:												
57	WEATHERING		L	5000.00 SqFt								
48	L & T CR		L	257.00 Ft								

Network:	TIX		Name:	SPACE COAST REGIONAL AIRPORT								
Branch:	TW E		Name:	TAXIWAY E		Use:	TAXIWAY		Area:	154,058 SqFt		
Section:	505 of 3		From:	-		To:	-		Last Const.:	1/1/1998		
Surface:	AAC		Family:	C9N59-PR-TW-AAC-APC		Zone:			Category:	Rank: P		
Area:	32,371 SqFt		Length:	600 Ft		Width:	50 Ft					
Slabs:			Slab Length:	Ft		Slab Width:	Ft		Joint Length:	Ft		
Shoulder:			Street Type:			Grade:	0		Lanes:	0		
Section Comments:												
Work Date:	1/1/1943		Work Type:	BUILT				Code:	IMPORTED		Is Major M&R:	True
Work Date:	1/1/1998		Work Type:	MILL and OVERLAY				Code:	ML-OV		Is Major M&R:	True
Last Insp. Date: 3/4/2019												
			TotalSamples:	6		Surveyed: 2						
Conditions:	PCI: 72											
Inspection Comments:												
Sample Number:	601		Type:	R		Area:	5000.00 SqFt		PCI:	69		
Sample Comments:												
57	WEATHERING		M	1250.00 SqFt								
48	L & T CR		L	202.00 Ft								
57	WEATHERING		L	3750.00 SqFt								
48	L & T CR		M	100.00 Ft								
Sample Number:	603		Type:	R		Area:	5000.00 SqFt		PCI:	75		
Sample Comments:												
57	WEATHERING		M	5000.00 SqFt								
48	L & T CR		L	129.00 Ft								

Network:	TIX			Name:	SPACE COAST REGIONAL AIRPORT						
Branch:	TW E		Name:	TAXIWAY E		Use:	TAXIWAY	Area:	154,058 SqFt		
Section:	515 of 3		From:	-			To:	-		Last Const.:	1/1/2003
Surface:	AAC		Family:	C9N59-PR-TW-AAC-APC		Zone:			Category:	Rank: P	
Area:	113,522 SqFt		Length:	2,640 Ft		Width:	50 Ft				
Slabs:			Slab Length:	Ft		Slab Width:	Ft		Joint Length:	Ft	
Shoulder:			Street Type:			Grade:	0		Lanes:	0	
Section Comments:											
Work Date:	1/1/1943		Work Type: BUILT				Code:	IMPORTED		Is Major M&R: True	
Work Date:	1/1/2003		Work Type: MILL and OVERLAY				Code:	ML-OV		Is Major M&R: True	
Last Insp. Date:	3/4/2019		TotalSamples:	27		Surveyed:	5				
Conditions:	PCI: 70										
Inspection Comments:											
Sample Number:	599		Type:	R		Area:	5825.00 SqFt		PCI:	68	
Sample Comments:											
52	RAVELING		L	115.00 SqFt							
57	WEATHERING		M	1330.00 SqFt							
56	SWELLING		L	5.00 SqFt							
48	L & T CR		L	30.00 Ft							
50	PATCHING		L	97.00 SqFt							
57	WEATHERING		L	4283.00 SqFt							
45	DEPRESSION		L	30.00 SqFt							
Sample Number:	604		Type:	R		Area:	5328.00 SqFt		PCI:	73	
Sample Comments:											
52	RAVELING		L	107.00 SqFt							
48	L & T CR		L	6.00 Ft							
57	WEATHERING		M	5221.00 SqFt							
Sample Number:	614		Type:	R		Area:	3500.00 SqFt		PCI:	69	
Sample Comments:											
52	RAVELING		M	3.00 SqFt							
52	RAVELING		L	59.00 SqFt							
48	L & T CR		L	84.00 Ft							
50	PATCHING		L	560.00 SqFt							
Sample Number:	620		Type:	R		Area:	3500.00 SqFt		PCI:	71	
Sample Comments:											
57	WEATHERING		M	3430.00 SqFt							
52	RAVELING		L	70.00 SqFt							
48	L & T CR		L	28.00 Ft							
Sample Number:	628		Type:	R		Area:	3500.00 SqFt		PCI:	71	
Sample Comments:											
48	L & T CR		L	55.00 Ft							
52	RAVELING		L	70.00 SqFt							
57	WEATHERING		M	3430.00 SqFt							

Network:	TIX		Name:	SPACE COAST REGIONAL AIRPORT							
Branch:	TW E		Name:	TAXIWAY E		Use:	TAXIWAY	Area:	154,058 SqFt		
Section:	525	of 3	From:	-			To:	-		Last Const.:	1/1/2014
Surface:	AC	Family:	C9N59-PR-TW-AC		Zone:		Category:		Rank:	P	
Area:	8,165 SqFt		Length:	100 Ft		Width:	85 Ft				
Slabs:	Slab Length:		Ft		Slab Width:	Ft		Joint Length:	Ft		
Shoulder:	Street Type:		Grade:		0		Lanes:	0			
Section Comments:											
Work Date:	1/1/2014		Work Type:	New Construction - Initial			Code:	NU-IN		Is Major M&R:	True
Last Insp. Date:	3/4/2019		TotalSamples:	2		Surveyed:	1				
Conditions:	PCI:	94									
Inspection Comments:											
Sample Number:	608	Type:	R	Area:	3666.00 SqFt		PCI:	94			
Sample Comments:											
57	WEATHERING		L	3666.00 SqFt							

Network:	TIX		Name:		SPACE COAST REGIONAL AIRPORT					
Branch:	TW F		Name:		TAXIWAY F		Use:	TAXIWAY	Area:	30,388 SqFt
Section:	605		of 1		From: -		To: -		Last Const.: 1/1/1998	
Surface:	AAC		Family: C9N59-PR-TW-AAC-APC		Zone:		Category:		Rank: T	
Area:	30,388 SqFt		Length:		580 Ft		Width:		50 Ft	
Slabs:			Slab Length:		Ft		Slab Width:		Ft	
Shoulder:			Street Type:		Grade: 0		Lanes:		0	
Section Comments:										
Work Date:	1/1/1943		Work Type: BUILT				Code:	IMPORTED		Is Major M&R: True
Work Date:	1/1/1998		Work Type: MILL and OVERLAY				Code:	ML-OV		Is Major M&R: True
Last Insp. Date:	3/4/2019		TotalSamples:		6		Surveyed: 2			
Conditions:	PCI: 14									
Inspection Comments:										
Sample Number:	301		Type:	R		Area:	5000.00 SqFt		PCI:	11
Sample Comments:										
50	PATCHING		M	1.00		SqFt				
52	RAVELING		M	4986.00		SqFt				
52	RAVELING		H	4.00		SqFt				
43	BLOCK CR		M	4899.00		SqFt				
50	PATCHING		L	9.00		SqFt				
41	ALLIGATOR CR		M	92.00		SqFt				
Sample Number:	304		Type:	R		Area:	6930.00 SqFt		PCI:	16
Sample Comments:										
52	RAVELING		M	4455.00		SqFt				
43	BLOCK CR		M	5484.00		SqFt				
50	PATCHING		L	1350.00		SqFt				
41	ALLIGATOR CR		H	3.00		SqFt				
41	ALLIGATOR CR		M	84.00		SqFt				
50	PATCHING		M	9.00		SqFt				
52	RAVELING		H	2.00		SqFt				