

2022

Statewide Airfield Pavement Management Program

District 2 Airfield Pavement Evaluation Report



DISTRICT 2



PROGRAM OVERVIEW

Program Background

In 1992, the Florida Department of Transportation (FDOT) established the Statewide Airfield Pavement Management Program (SAPMP) to provide program managers, District Aviation Offices, and airport operators with a system to proactively manage airfield pavement infrastructure within the Florida airport system. The SAPMP includes Pavement Condition Index (PCI) surveys for airport facilities. Currently, the SAPMP includes 95 participating public-use airports with pavement facilities and provides its users with comprehensive data to better manage their pavement assets.

Airports participating in the Airport Improvement Program (AIP) are required by the Federal Aviation Administration (FAA) to develop and implement a pavement maintenance program to be eligible for funding per FAA Advisory Circular 150/5380-6C "Guidelines and Procedures for Maintenance of Airport Pavements" and 150/5380-7B "Airport Pavement Management Program (PMP)". In general, adherence to the FAA Advisory Circulars is mandatory for projects funded with federal grant monies through the AIP and with revenue from the Passenger Facilities Charges (PFC) Program. The AIP requires detailed assessments of airfield pavements at least once a year for a pavement management program. The frequency of the detailed inspections may be extended to every three years if the pavement is assessed according to the PCI survey procedure described in ASTM D5340-20 "Standard Test Method for Airport Pavement Condition Index Surveys". FDOT performs the SAPMP System Updates for the benefit of participating public-use and publicly owned airports through the FDOT's Aviation Office.

The results of this program for the airports within District 2 are presented in this summary and can be utilized by the District to identify, prioritize, and schedule pavement maintenance, repair, reconstruction, and major rehabilitation projects. This summary was created specifically for the use of the District Aviation Offices and differs from the FDOT SAPMP individual airport reports regarding the summarization of data presented.



Program Benefits

The SAPMP enables the FDOT Aviation Office and the FDOT Districts to monitor pavement conditions at Florida airports. The SAPMP provides objective condition information needed to make informed decisions regarding the significant capital investment that the public-use airport pavement infrastructure represents. Utilizing the SAPMP will help stakeholders better understand the relative condition of their pavement facilities and when those facilities should be rehabilitated. The data collected from the SAPMP can be used for project planning for the next 10 years and will be revisited every three years as pavement conditions are updated.

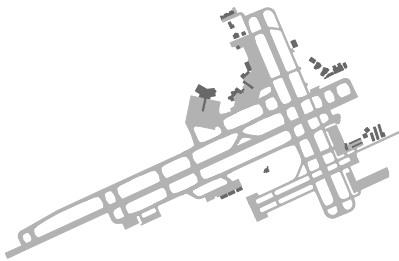
From a pavement management perspective, one of the most valuable aspects of the SAPMP is the ability to determine the optimum time for treatment resulting in cost savings by effectively prioritizing the rehabilitation of pavement assets that have, or will soon reach, a critical condition or PCI. The SAPMP supports a proactive major rehabilitation strategy that can effectively address pavement projects before the cost of these projects begin to exponentially increase.

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

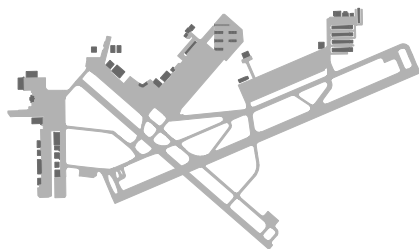
PAVEMENT INVENTORY OVERVIEW

Airport Category

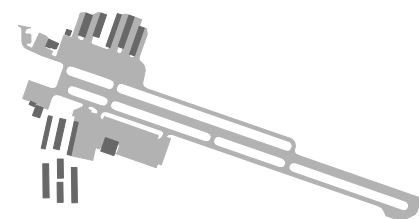
The airports within the FDOT SAPMP are classified into three categories as identified by the NPIAS: Primary/Commercial (PR), Reliever (RL), and General Aviation (GA). The summaries found within the remainder of this document are identified and summarized by these three categories, which are defined below.



Primary/Commercial: Primary and/or commercial service airports are publicly owned airports with scheduled air carrier service. Example, DAB – Daytona Beach International Airport.



Reliever: A non-primary airport designated to relieve congestion at commercial service airports and to provide more general aviation access to the overall community. Example, ORL – Orlando Executive Airport.



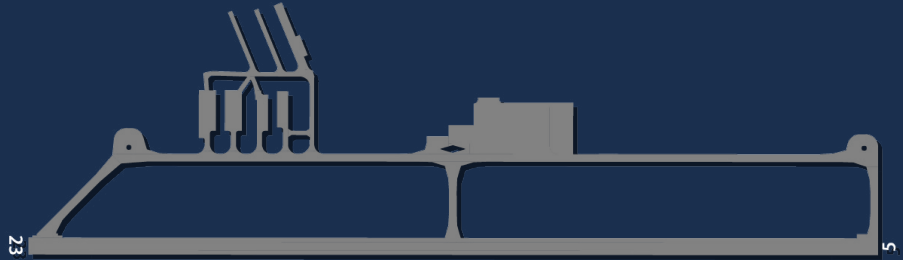
General Aviation: A public-use airport that does not have scheduled service or has scheduled service with less than 2,500 passenger boardings per year. Example, COI – Merritt Island Airport.

Airport Pavement Network Definition Terminology

The following section defines the common terms used in the SAPMP System Update.

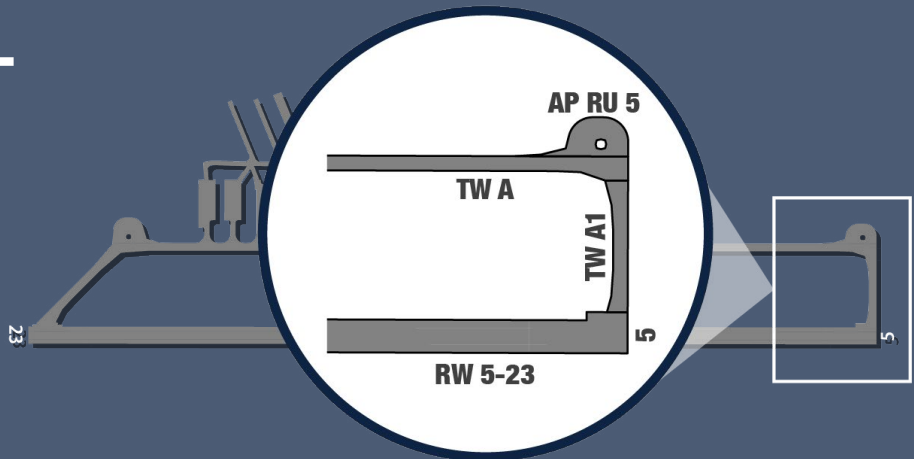
NETWORK LEVEL

An individual Airport's airfield pavement facilities maintained by the Airport.



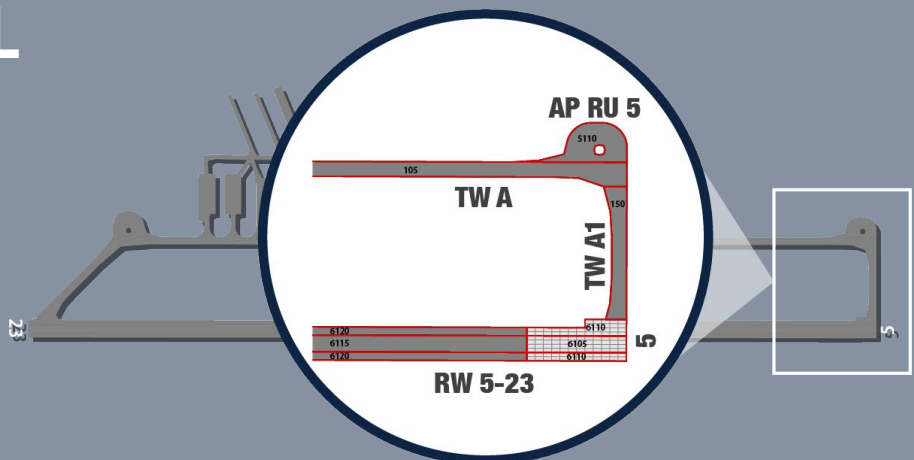
BRANCH LEVEL

A logical unit of generally identifiable pavement within a network that has a distinct functional classification.



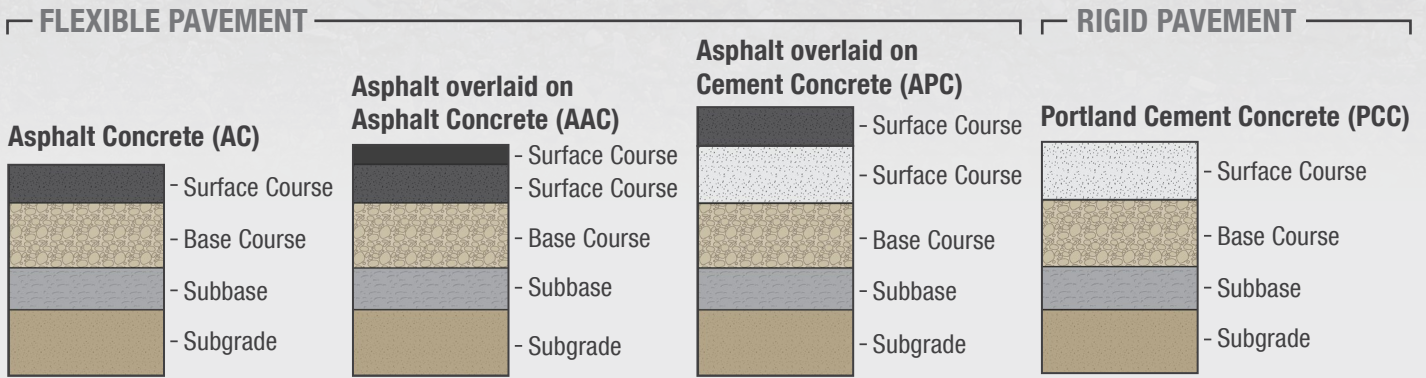
SECTION LEVEL

A subdivision of a branch that has consistent characteristics throughout its length or area. These characteristics include structural composition, construction history, age, traffic type, traffic frequency, and pavement condition.



FDOT SAPMP Surface Types

FDOT airfield pavements consist of two predominant pavement types: flexible (AC-surfaced) and rigid (PCC-surfaced), which are further broken down into four categories defined below. The pavement sections shown are intended to be conceptual representations and may vary from actual construction. It should be noted that a select number of airports within the program contain a fifth surface type called Whitetopping Pavement (WT). Whitetopping pavement is a non-FAA standard composite pavement comprised of relatively thin PCC overlaid on an existing AC pavement structure.



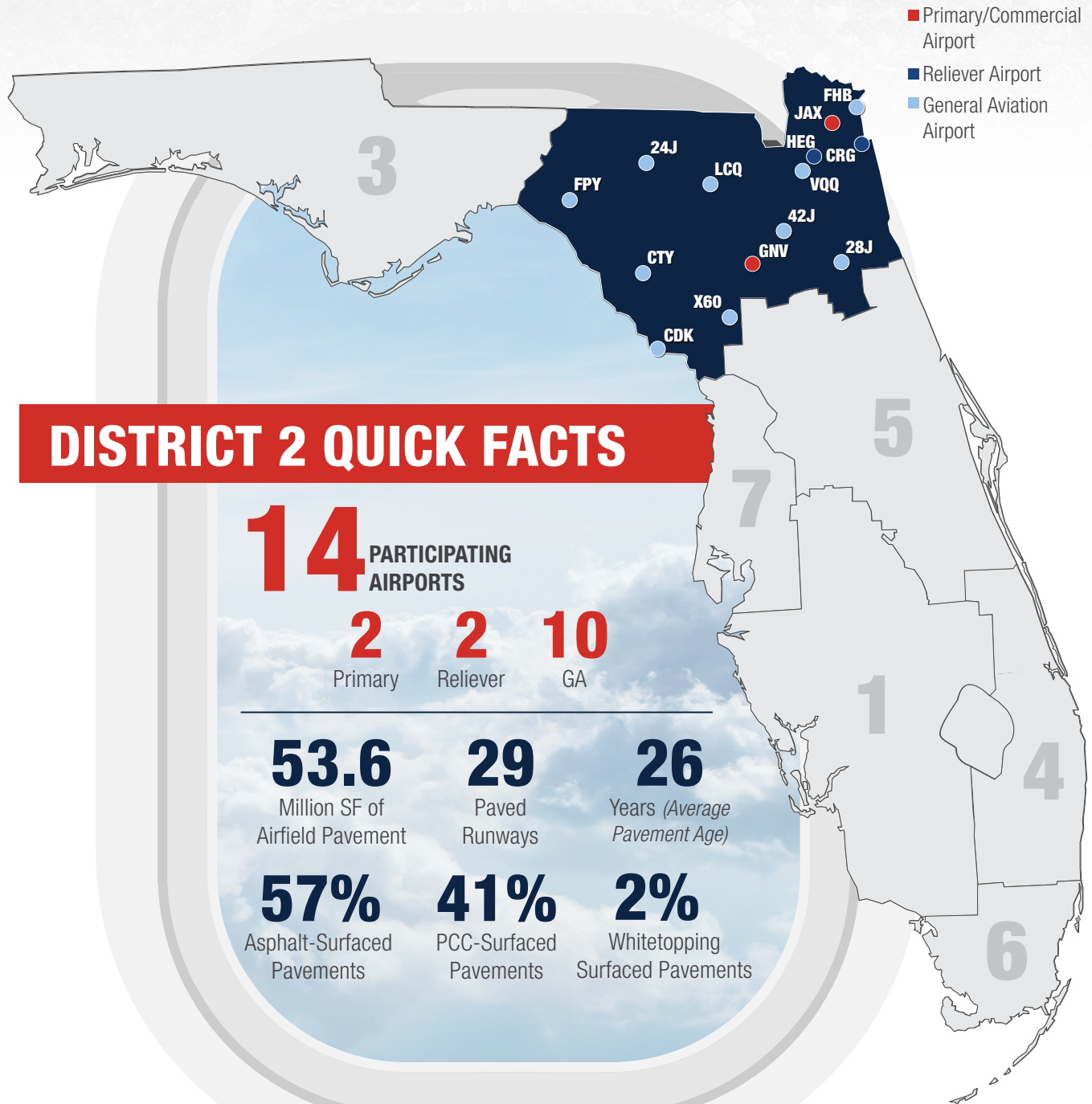
Pavement Age

Pavement age is determined by the date of the last major work project performed. The estimation of pavement age is based on recent construction information requested from the airports at the start of the program. Major work such as reconstruction or rehabilitation resets a pavement's age to zero and the PCI to 100. It should be noted that surface treatments do not reset a pavement's age to zero as a reconstruction or rehabilitation project would; they are used as a measure to maintain and improve the current pavement surface and extend the life of the pavement without performing major work.

Major work such as **reconstruction** or **rehabilitation** resets a pavement's age to **zero** and the **PCI** to **100**.

District 2 Inventory Summary

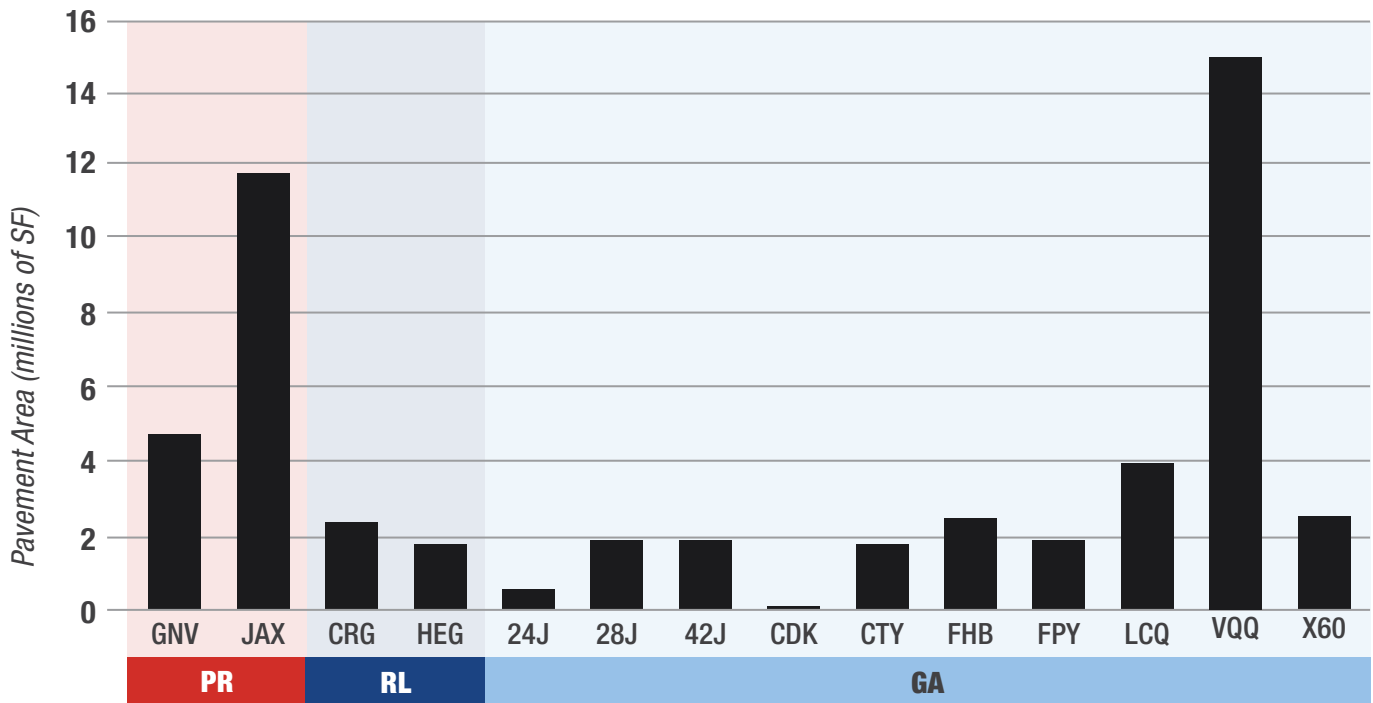
District 2 is responsible for 14 of the 95 participating Primary (PR), Reliever (RL), and General Aviation (GA) airports. As part of the FDOT SAPMP System Update, all these airports underwent a comprehensive pavement inventory update based on project record documentation provided by the airports at the start of this program. These updates included pavement facility limits, surface type, and section definitions resulting from provided project limits. It should be noted that although Northeast Florida Regional Airport (SGJ) falls within District 2, the airport performs its own pavement evaluation separate from the FDOT SAPMP and its data is not summarized in this document.



DISTRICT 2 AIRPORTS

| Airport Identifier | Airport Name | SAPMP Phase | Airport Pavement Area (millions of SF) | Number of Runways |
|---------------------------|--|-------------|--|-------------------|
| Primary/Commercial | | | | |
| GNV | Gainesville Regional Airport | 2 | 4.9 | 2 |
| JAX | Jacksonville International Airport | 2 | 11.7 | 2 |
| Reliever | | | | |
| CRG | Jacksonville Executive At Craig Airport | 2 | 2.6 | 2 |
| HEG | Herlong Recreational Airport | 2 | 1.8 | 2 |
| General Aviation | | | | |
| 24J | Suwannee County Airport | 1 | 0.8 | 1 |
| 28J | Palatka Municipal - Lt. Kay Larkin Field | 1 | 1.9 | 2 |
| 42J | Keystone Heights Airport | 1 | 1.8 | 2 |
| CDK | George T. Lewis Airport | 1 | 0.2 | 1 |
| CTY | Cross City Airport | 1 | 1.7 | 2 |
| FHB | Fernandina Beach Municipal Airport | 2 | 2.9 | 3 |
| FPY | Perry-Foley Airport | 1 | 1.9 | 2 |
| LCQ | Lake City Gateway Airport | 1 | 3.9 | 2 |
| VQQ | Cecil Airport | 1 | 15.0 | 4 |
| X60 | Williston Municipal Airport | 2 | 2.5 | 2 |

DISTRICT 2 PAVEMENT AREA BY AIRPORT



Airports by Airport Category

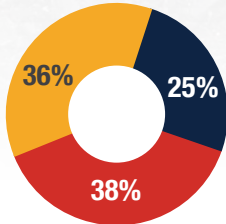
District 2 Inventory Summary by Airport Category

PRIMARY AIRPORT INVENTORY

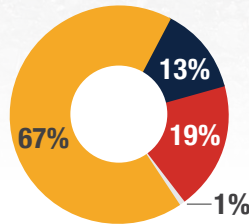
*GNV, JAX

2 airports **16.6M** SF of airfield pavement **4** paved runways **22** years (avg pavement age)

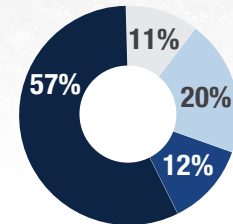
BRANCH USE



SURFACE TYPE



AGE

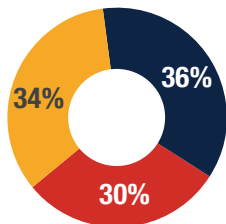


RELIEVER AIRPORT INVENTORY

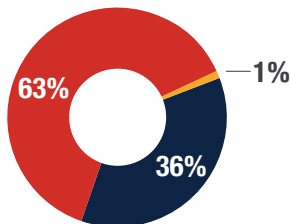
*CRG, HEG

2 airports **4.4M** SF of airfield pavement **4** paved runways **9** years (avg pavement age)

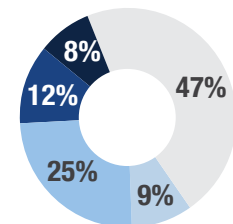
BRANCH USE



SURFACE TYPE



AGE

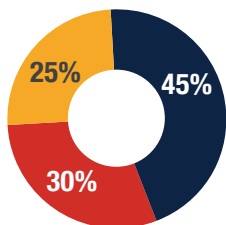


GENERAL AVIATION INVENTORY

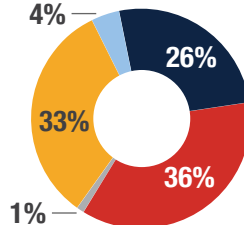
*24J, 28J, 42J, CDK, CTY, FHB, FPY, LCQ, VQQ, X60

10 airports **32.6M** SF of airfield pavement **21** paved runways **31** years (avg pavement age)

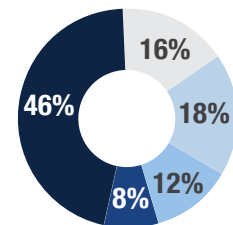
BRANCH USE



SURFACE TYPE



AGE



■ Runway ■ Taxiway/Taxilane ■ Apron

■ AC ■ AAC □ APC ■ PCC ■ WT

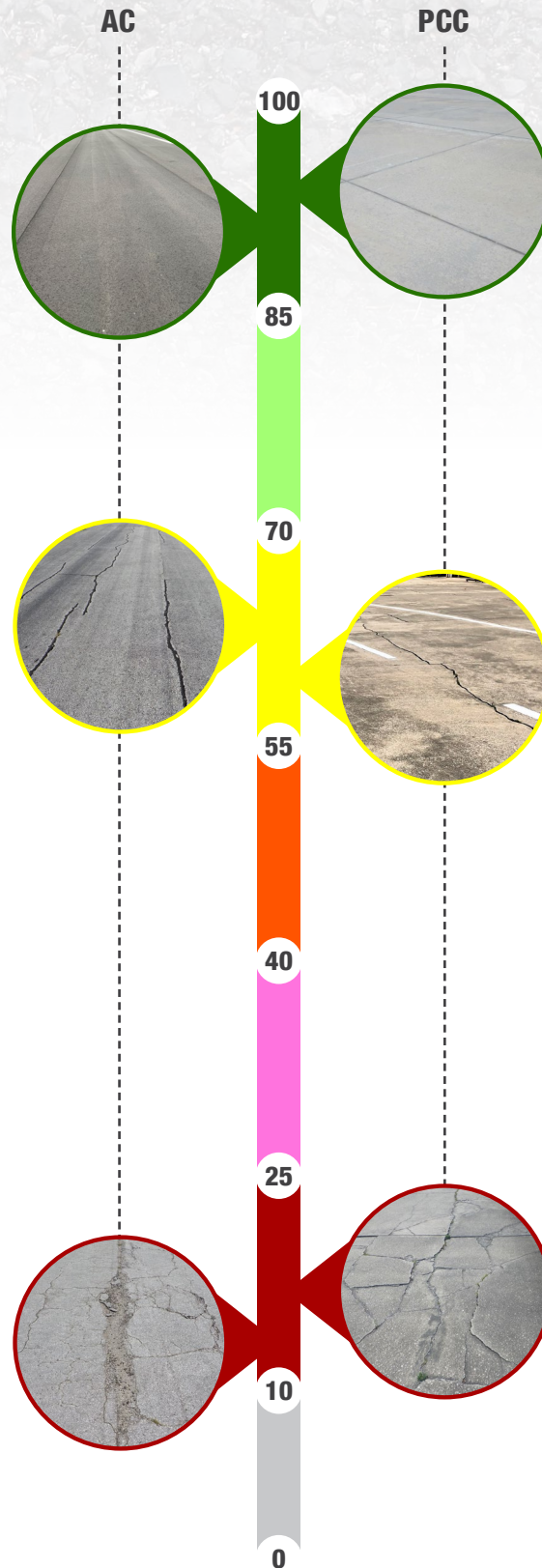
□ 0-5 years □ 6-10 years □ 11-15 years
■ 16-20 years ■ Over 20 years

PAVEMENT CONDITION INDEX (PCI)

In adherence to the FAA Advisory Circular 150/5380-7B “Airport Pavement Management Program” and ASTM D5340- 20 “Standard Test Method for Airport Pavement Condition Index Surveys,” the pavements were evaluated using the PCI Survey Method of inspection.

The PCI 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 ASTM D5340-20, and is the primary method of observing and recording distress data. It provides a consistent, objective, and repeatable method to evaluate the pavement condition.

The collected distress data is used to calculate an index that represents the functional pavement condition in numerical terms ranging from 0 (Failed pavement) to 100 (Good or new pavement). The adjacent figure provides a visual representation of the scale.



Good/New Pavement

Pavements classified as Good require either no treatment or would typically benefit from the application of preventative maintenance activities such as crack seals, joint seals, and surface treatment.

Fair Pavement

Pavements with a Fair condition rating typically require rehabilitation such as an overlay with or without milling for AC or select crack seal with significant patching for PCC.

Poor/Failed Pavement

Pavements that are Poor or Failed require significant and costly interventions such as reconstruction to restore the pavement to operational service.

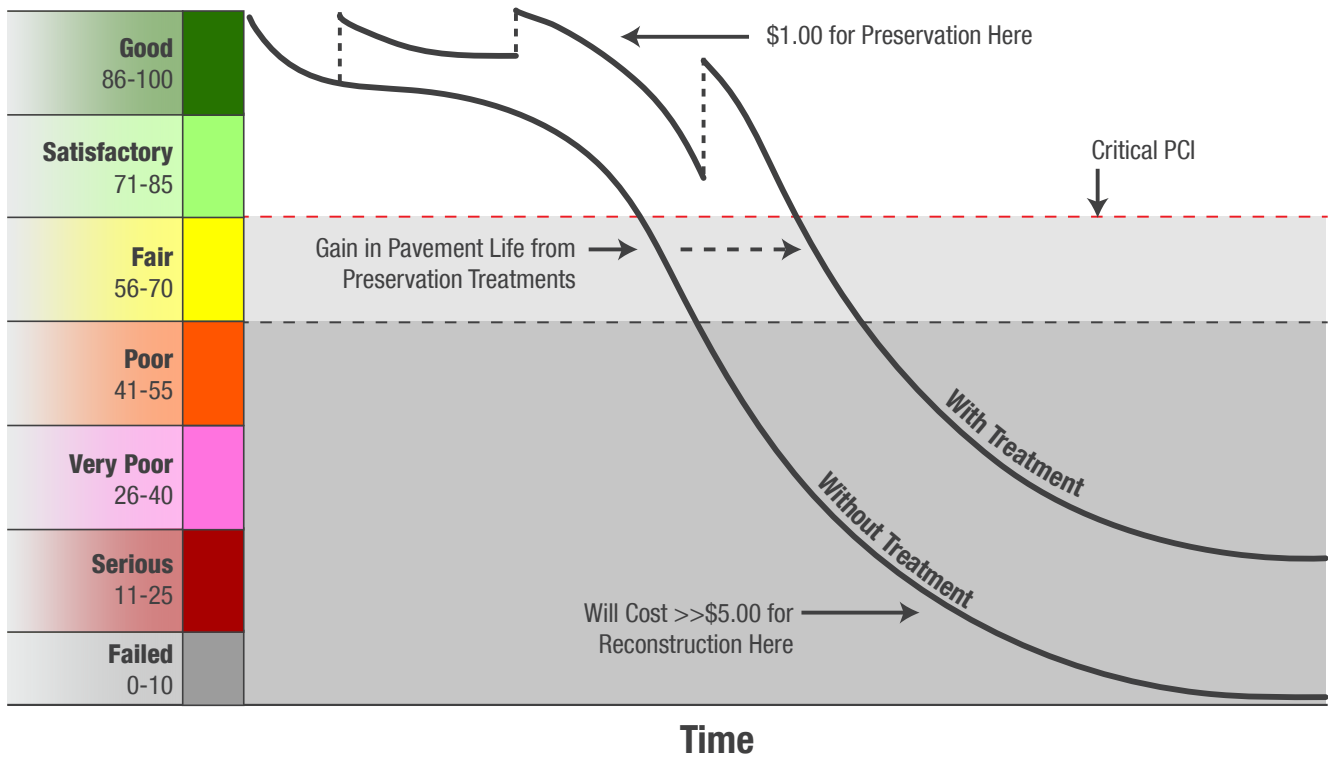
Critical PCI

Based on FAA Order 5100.38D Change 1 Airport Improvement Handbook, issued February 26, 2019, the FAA has established pavement construction based on thresholds that distinguish Rehabilitation and Reconstruction. Pavement sections between PCI values 55 and 70 will be considered for Rehabilitation and sections with PCI values less than 55 will be considered for Reconstruction at the planning-level. Accordingly, the **Critical PCI is defined at 70 for the FDOT SAPMP**. It should be noted that although a pavement reaches the threshold for rehabilitation, the pavement can still benefit from routine maintenance if no load-related distresses are present.

!!!
Critical PCI is defined at 70 for the FDOT SAPMP

An effective pavement maintenance management program is intended to identify and estimate future maintenance, repair, rehabilitation, and reconstruction needs. When timely preservation maintenance is performed on pavements with conditions above the “critical condition”, or prior to major decline in condition, significant rehabilitation and/or reconstruction may be delayed. The figure below depicts the concept of timely pavement treatments as described by the FAA AC 150/5380-7B.

TYPICAL PAVEMENT CONDITION LIFE CYCLE



FAA Eligibility Thresholds: >70: Routine Maintenance 55-70: Rehabilitation Eligible <55: Reconstruction Eligible

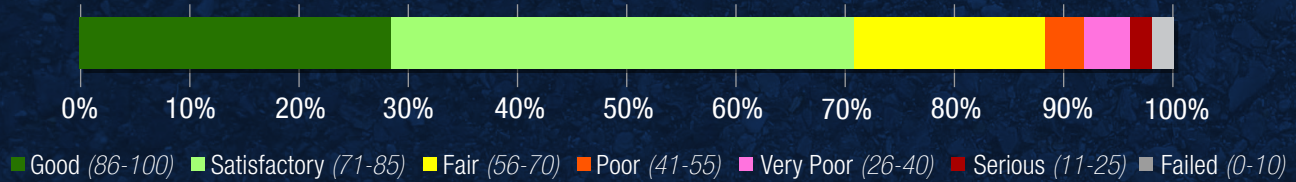
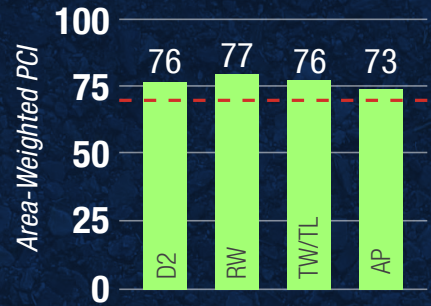
*Figure is for conceptual purposes only – unit costs are not specific to airfield pavements.

District 2 PCI Results

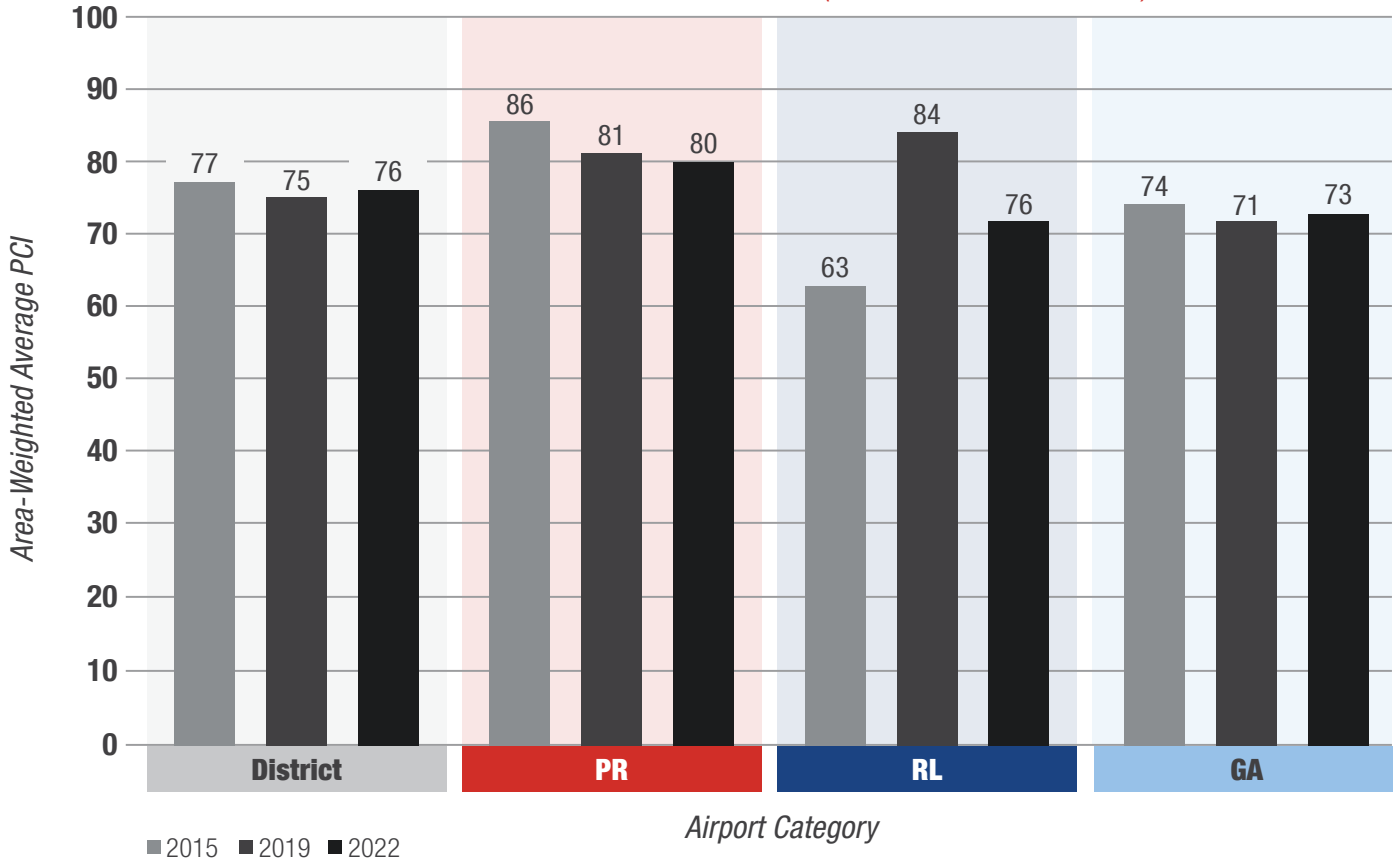
This section is an overall summary of the current and 5-year forecasted pavement conditions within District 2. A summary of each individual Airport's PCI findings can be found in the back of this report.



Current PCI: **76**
5-Year PCI: **68**



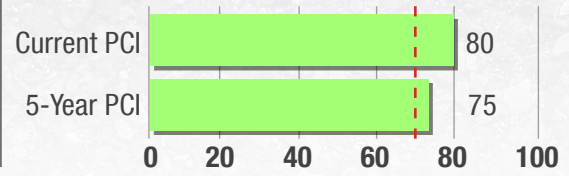
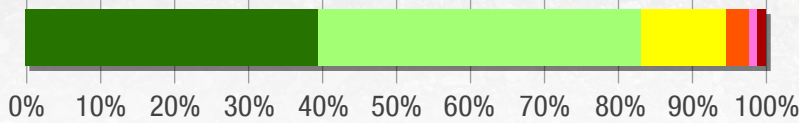
DISTRICT CONDITIONS BY CATEGORY (SINCE 2015 PROGRAM)



District 2 PCI Summary by Airport Category

PRIMARY AIRPORT CONDITIONS *GNV, JAX

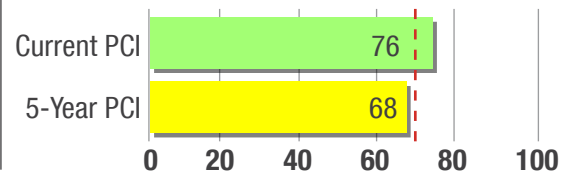
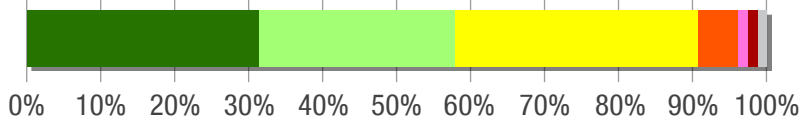
Area-Weighted PCI Summary



| PCI Year | Runways | Taxiways/Taxilanes | Aprons |
|-------------|---------|--------------------|--------|
| Current PCI | 83 | 80 | 78 |
| 5-Year PCI | 78 | 75 | 73 |

RELIEVER AIRPORT CONDITIONS *CRG, HEG

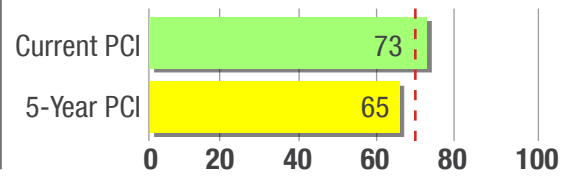
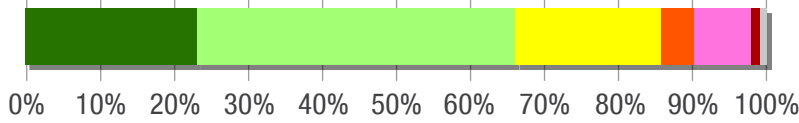
Area-Weighted PCI Summary



| PCI Year | Runways | Taxiways/Taxilanes | Aprons |
|-------------|---------|--------------------|--------|
| Current PCI | 80 | 76 | 72 |
| 5-Year PCI | 70 | 69 | 63 |

GENERAL AVIATION AIRPORT CONDITIONS *24J, 28J, 42J, CDK, CTY, FHB, FPY, LCQ, VQQ, X60

Area-Weighted PCI Summary



| PCI Year | Runways | Taxiways/Taxilanes | Aprons |
|-------------|---------|--------------------|--------|
| Current PCI | 75 | 74 | 70 |
| 5-Year PCI | 64 | 67 | 63 |

■ Good (86-100)
 ■ Satisfactory (71-85)
 ■ Fair (56-70)
 ■ Poor (41-55)
 ■ Very Poor (26-40)
 ■ Serious (11-25)
 ■ Failed (0-10)

2 District

29 Runways

4 Primary **4** Reliever **21** General Aviation



Current Runway Conditions:
PCI = 77

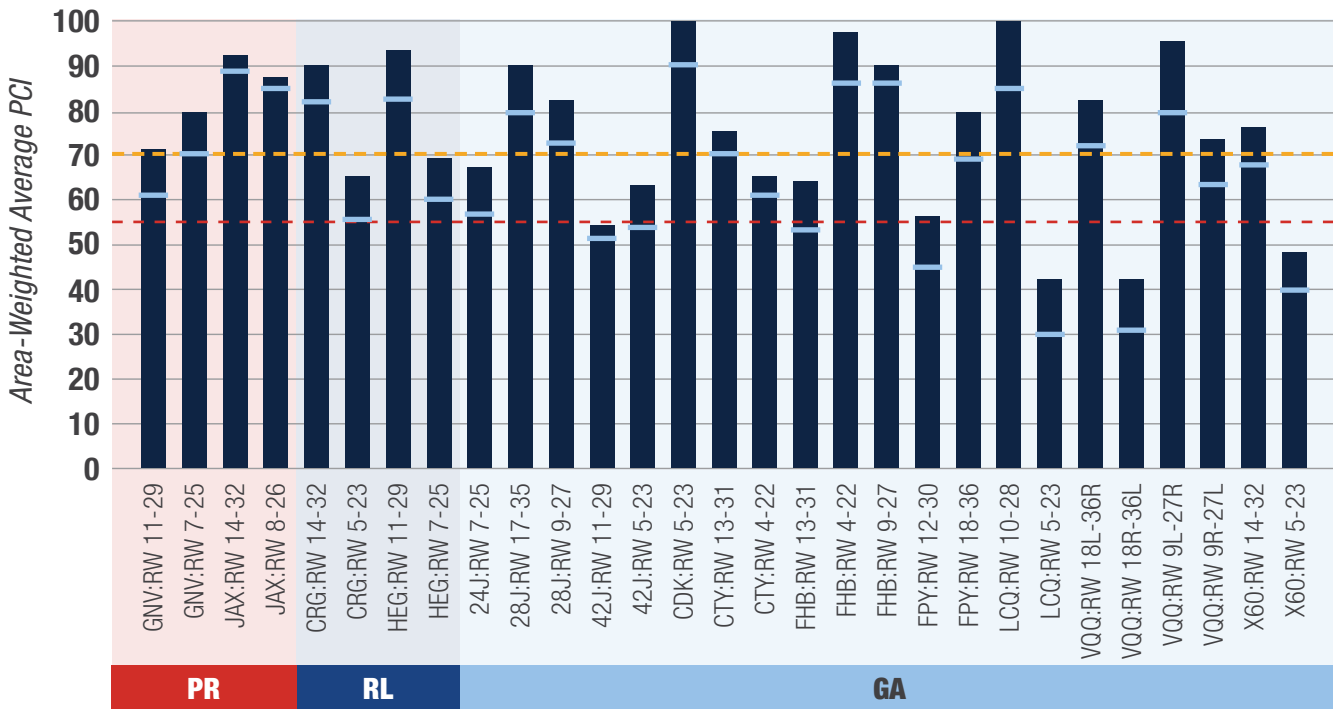
11 of **29**
are at or below
Critical PCI (**70**)



5-Year Runway Outlook:
PCI = 68

17 of **29**
will be at or below
Critical PCI (**70**)

CURRENT AND FORECASTED 5-YEAR RUNWAY PCI BY FACILITY



■ Runway PCI — 5-Year Runway PCI - - Critical PCI/Eligible for Rehabilitation - - Eligible for Reconstruction

RUNWAY CONDITION SUMMARY

| Category | Airport | Runway ID | Runway Length | Runway Width | Runway PCI | 5 Year RW PCI |
|-------------------------|---------|------------|---------------|--------------|------------|---------------|
| Primary | | | | | | |
| PR | GNV | RW 11-29 | 7,504 | 150 | 71 | 61 |
| PR | GNV | RW 7-25 | 4,158 | 100 | 80 | 70 |
| PR | JAX | RW 14-32 | 7,701 | 150 | 92 | 89 |
| PR | JAX | RW 8-26 | 10,000 | 150 | 87 | 85 |
| Reliever | | | | | | |
| RL | CRG | RW 14-32 | 4,008 | 100 | 90 | 82 |
| RL | CRG | RW 5-23 | 4,004 | 100 | 65 | 56 |
| RL | HEG | RW 11-29 | 3,500 | 100 | 93 | 83 |
| RL | HEG | RW 7-25 | 3,999 | 100 | 69 | 60 |
| General Aviation | | | | | | |
| GA | 24J | RW 7-25 | 4,005 | 75 | 67 | 57 |
| GA | 28J | RW 17-35 | 3,510 | 75 | 90 | 80 |
| GA | 28J | RW 9-27 | 6,000 | 100 | 82 | 72 |
| GA | 42J | RW 11-29 | 4,899 | 75 | 54 | 51 |
| GA | 42J | RW 5-23 | 5,046 | 100 | 63 | 54 |
| GA | CDK | RW 5-23 | 2,355 | 100 | 100 | 90 |
| GA | CTY | RW 13-31 | 5,001 | 100 | 76 | 70 |
| GA | CTY | RW 4-22 | 5,005 | 75 | 65 | 61 |
| GA | FHB | RW 13-31 | 5,152 | 100 | 64 | 54 |
| GA | FHB | RW 4-22 | 5,301 | 100 | 97 | 86 |
| GA | FHB | RW 9-27 | 5,000 | 100 | 90 | 86 |
| GA | FPY | RW 12-30 | 4,754 | 100 | 56 | 45 |
| GA | FPY | RW 18-36 | 5,013 | 100 | 80 | 69 |
| GA | LCQ | RW 10-28 | 8,003 | 150 | 100 | 85 |
| GA | LCQ | RW 5-23 | 4,000 | 75 | 42 | 30 |
| GA | VQQ | RW 18L-36R | 12,503 | 200 | 82 | 73 |
| GA | VQQ | RW 18R-36L | 8,002 | 200 | 42 | 31 |
| GA | VQQ | RW 9L-27R | 4,439 | 200 | 95 | 80 |
| GA | VQQ | RW 9R-27L | 8,003 | 200 | 74 | 63 |
| GA | X60 | RW 14-32 | 4,979 | 60 | 77 | 68 |
| GA | X60 | RW 5-23 | 6,669 | 100 | 48 | 40 |

FAA Eligibility Thresholds: **>70:** Routine Maintenance **55-70:** Rehabilitation Eligible **<55:** Reconstruction Eligible

SAPMP CUSTOMIZATION

FAA AIP Handbook PCI Requirements

The FDOT SAPMP will integrate the PCI thresholds for airfield pavement projects to maintain alignment with the FAA AIP and/or PFC eligibility for project planning. The critical PCI value will be defined at 70 for the FDOT SAPMP. Critical PCI values for this SAPMP System Update are shown below.

FAA AIP HANDBOOK PCI REQUIREMENTS FOR AIRFIELD PAVEMENT PROJECTS

| Airfield Pavement Project Type | PCI Requirement |
|--------------------------------|-----------------|
| Reconstruction | PCI < 55 (Poor) |
| Rehabilitation | PCI < 70 (Fair) |
| Maintenance | N/A |

FAA AIP Handbook Minimum Useful Life

Below is a table of typical localized maintenance and major work project types and their minimum useful life as identified in Table 3-7 of the FAA AIP Handbook. This minimum useful life criteria is used to help determine if a project is eligible for federal funding. The useful life of the facility being rehabilitated or reconstructed must have been met in order for the project to be funded.

FAA AIP HANDBOOK MINIMUM USEFUL LIFE

| Project Type | Useful Life |
|---|-------------|
| Asphalt seal coat, Slurry Seal, and Joint Sealing | 3 years |
| Concrete Joint Replacement | 7 years |
| Pavement Rehabilitation (not reconstruction) | 10 years |
| Pavement Reconstruction | 20 years |





Planning-Level Localized Maintenance

Localized maintenance differs from major rehabilitation in that localized maintenance is applied based on the distresses observed and not an averaged or forecasted PCI value. Treatments are selected based on the appropriate corrective measure for a given distress type and severity level. Localized maintenance can be applied either as a preventive measure or a safety (“stopgap”) measure. The two types of localized maintenance are described below in further detail.

- » Localized Preventive Maintenance and Repair
 - Distress maintenance activities performed with the primary objective of slowing the rate of deterioration. These activities typically include crack sealing and surface treatment.
- » Localized Stopgap/Safety Maintenance and Repair
 - Defined as the localized distress repair needed to keep a pavement in a safe and operational condition. These activities are typically applied to high-severity distresses or distresses impacting operations.

The work quantities used to develop costs are limited to a near-term application since they were determined directly from the PCI assessment efforts. As pavements continue to deteriorate year-to-year, quantities and/or distress severities may increase, which will affect the amount and type of localized maintenance required. This analysis can be utilized as a planning tool to assist airport staff in determining an annual budget allocation for maintenance activities that will help maintain airport pavements above the critical PCI value and extend the life of the pavement.

Planning-Level Major Rehabilitation

Major rehabilitation is recommended to correct or improve structural deficiencies and/or functional deterioration. 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 that can meet the structural demands of traffic loading. Major rehabilitation is generally described as a pavement construction that removes and replaces the pavement surface, thus resetting the PCI value to 100 and the pavement age to 0. Typical policies include full- and partial-depth reconstruction and mill and overlay.

Major Rehabilitation needs are identified by analyzing the airport’s pavement condition in relationship to critical PCI values, major rehabilitation policies, and unit costs, assuming there are no budget constraints. While this is financially impractical, it does yield the unbiased pavement needs over a defined timeframe at each airport given current and forecasted pavement conditions. A review of cost trends and cost factors have been incorporated to assist airports in planning for project budgets.

Conceptual pavement sections were developed for this program based on the minimum requirements of the FAA AC 150/5320-6G and can be found in the Individual Airport Pavement Evaluation Report. No pavement design has been performed in accordance with AC 150/5320-6G for the determined conceptual sections.

DISTRICT 2 LOCALIZED MAINTENANCE NEEDS

\$6.5M

Preventive total

+

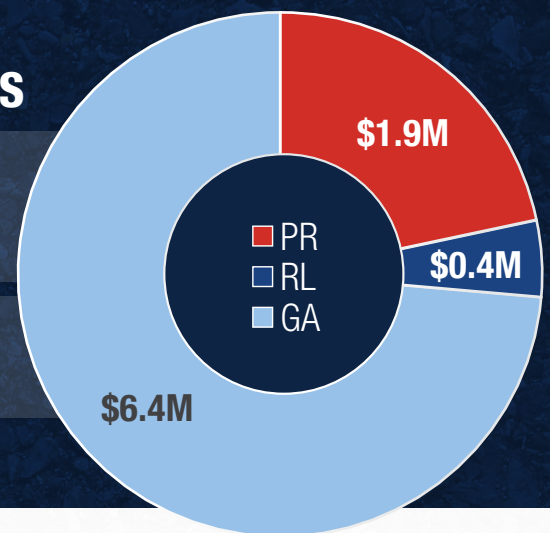
\$2.2M

Stopgap total

=

\$8.7M

In Total Localized
Maintenance Needs



Localized Maintenance Needs

This FDOT SAPMP System Update provides a planning-level estimation of Localized Maintenance and Repair costs based on the results of the latest PCI assessment performed at the airports. The localized maintenance for Primary, Reliever, and General Aviation airports are shown below.

PLANNING-LEVEL LOCALIZED M&R NEEDS SUMMARY

| Category | Network ID | Preventive Work Cost | Stopgap Work Cost | Total |
|---|------------|----------------------|--------------------|--------------------|
| PR | GNV | \$427,570 | \$48,430 | \$476,000 |
| | JAX | \$1,389,350 | \$10,930 | \$1,400,280 |
| PR Total | | \$1,816,920 | \$59,360 | \$1,876,280 |
| RL | CRG | \$125,030 | \$11,600 | \$136,630 |
| | HEG | \$22,060 | \$207,970 | \$230,030 |
| RL Total | | \$147,090 | \$219,570 | \$366,660 |
| GA | 24J | \$7,340 | \$7,800 | \$15,140 |
| | 28J | \$50,630 | \$3,380 | \$54,010 |
| | 42J | \$20,860 | \$202,160 | \$223,020 |
| | CDK | \$0 | \$0 | \$0 |
| | CTY | \$4,990 | \$34,200 | \$39,190 |
| | FHB | \$145,290 | \$105,020 | \$250,310 |
| | FPY | \$390 | \$248,990 | \$249,380 |
| | LCQ | \$12,210 | \$66,630 | \$78,840 |
| | VQQ | \$4,222,790 | \$139,230 | \$4,362,020 |
| | X60 | \$56,230 | \$1,124,760 | \$1,180,990 |
| GA Total | | \$4,520,730 | \$1,932,170 | \$6,452,900 |
| District 2 Total Localized Needs = | | \$6,484,740 | \$2,211,100 | \$8,695,840 |

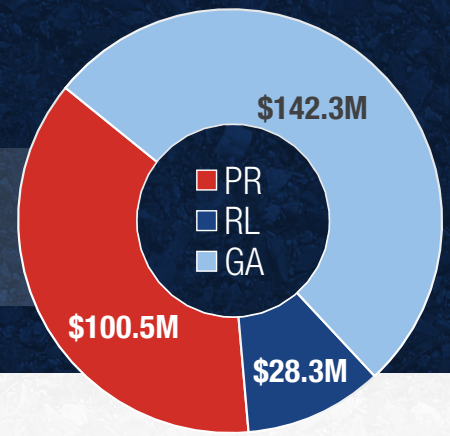
DISTRICT 2 MAJOR REHABILITATION NEEDS

\$82.4M + \$188.7M = \$271.1M

Total 5-Year RW
Major Needs

Total 5-Year TW
and AP Needs

In Total 5-Year Major
Rehabilitation Needs



Major Rehabilitation Needs

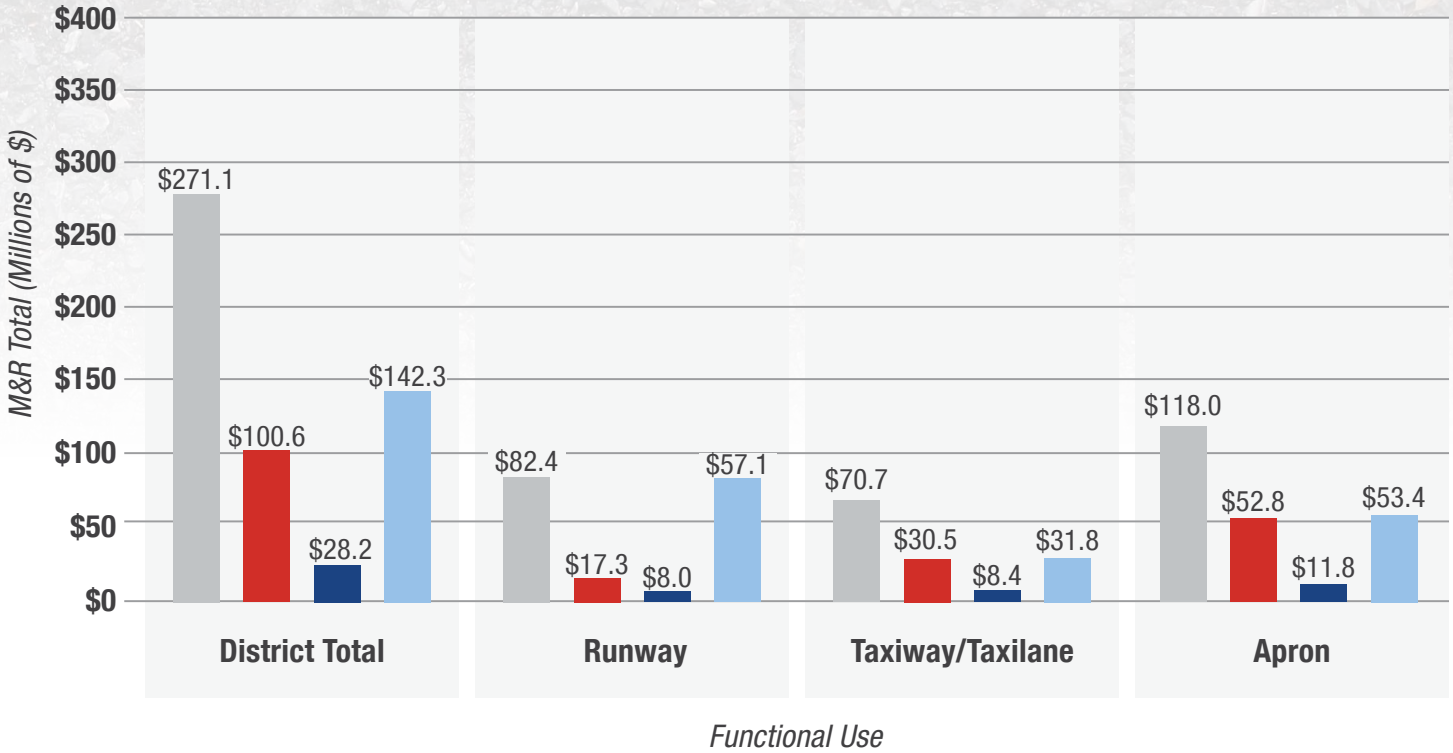
Due to the “unlimited” funding nature of the needs analysis, all present needs are addressed in the first planning year. The first planning year for each airport is the year following the airport’s most recent inspection year for this program. The table below summarizes the planning-level major rehabilitation needs forecasted for a 5-year period within District 2. A summary of each individual Airport’s needs at the section-level and the recommended work type can be found in the individual airport report.

M&R FUNDING NEEDS BY YEAR (IN MILLIONS)

| Category | Network ID | Inspection Year | Year 1* | Year 2 | Year 3 | Year 4 | Year 5 | Planning Total |
|--|------------|-----------------|-----------------|----------------|---------------|----------------|---------------|-----------------|
| PR | GNV | 2022 | \$32.85 | \$13.70 | \$1.87 | \$1.16 | \$0.52 | \$50.10 |
| | JAX | 2022 | \$29.11 | \$11.57 | \$0.82 | \$6.98 | \$1.93 | \$50.41 |
| PR Planning Total | | | \$61.96 | \$25.27 | \$2.69 | \$8.14 | \$2.45 | \$100.51 |
| RL | CRG | 2022 | \$14.09 | \$2.04 | \$0.94 | \$1.03 | \$0.12 | \$18.22 |
| | HEG | 2022 | \$9.46 | \$0.25 | - | \$0.20 | \$0.15 | \$10.06 |
| RL Planning Total | | | \$23.55 | \$2.29 | \$0.94 | \$1.23 | \$0.27 | \$28.28 |
| GA | 24J | 2020 | \$4.00 | \$0.07 | - | - | \$0.06 | \$4.13 |
| | 28J | 2020 | \$2.65 | - | \$0.76 | \$0.97 | \$0.08 | \$4.46 |
| | 42J | 2020 | \$11.86 | \$1.54 | - | - | \$0.26 | \$13.66 |
| | CDK | 2020 | - | - | - | - | - | \$0.00 |
| | CTY | 2020 | \$14.22 | - | - | - | - | \$14.22 |
| | FHB | 2022 | \$13.11 | \$0.44 | - | \$0.07 | - | \$13.62 |
| | FPY | 2020 | \$17.94 | - | - | - | - | \$17.94 |
| | LCQ | 2020 | \$12.86 | - | - | - | - | \$12.86 |
| | VQQ | 2020 | \$23.25 | \$8.17 | \$0.78 | \$18.40 | \$1.44 | \$52.04 |
| X60 | 2022 | \$6.61 | - | - | \$2.77 | - | \$9.38 | |
| GA Planning Total | | | \$106.50 | \$10.22 | \$1.54 | \$22.21 | \$1.84 | \$142.31 |
| District 2 Major Planning Needs = | | | \$192.01 | \$37.78 | \$5.17 | \$31.58 | \$4.56 | \$271.10 |

*Year 1 equates to 2021 for airports inspected in 2020 and 2023 for airports inspected in 2022

M&R FUNDING NEEDS BY FUNCTIONAL USE

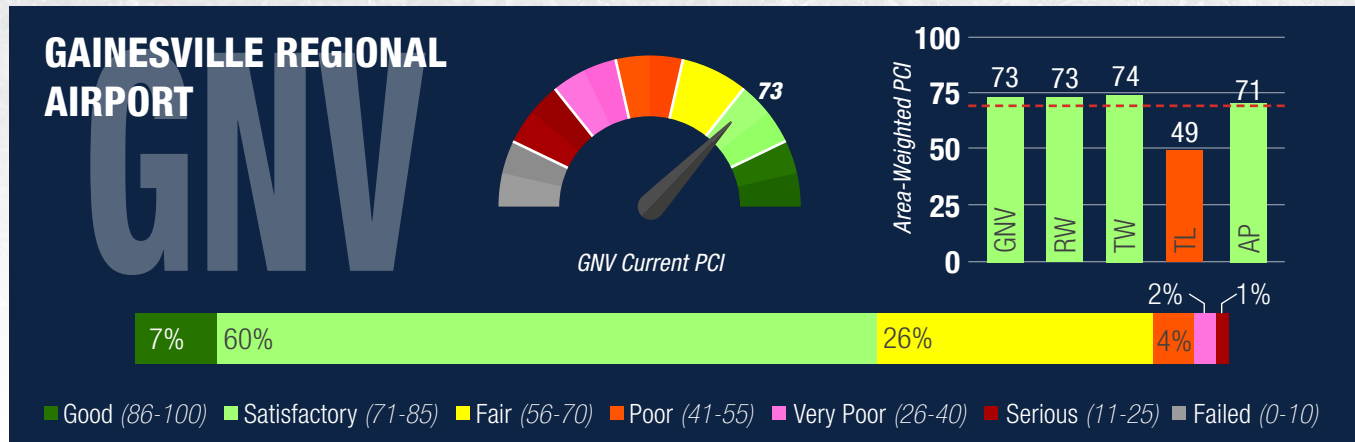


Airport Category ■ District 2 ■ Primary/Commercial ■ Reliever ■ General Aviation



INDIVIDUAL AIRPORT RESULTS SUMMARIES

PRIMARY/COMMERCIAL AIRPORTS



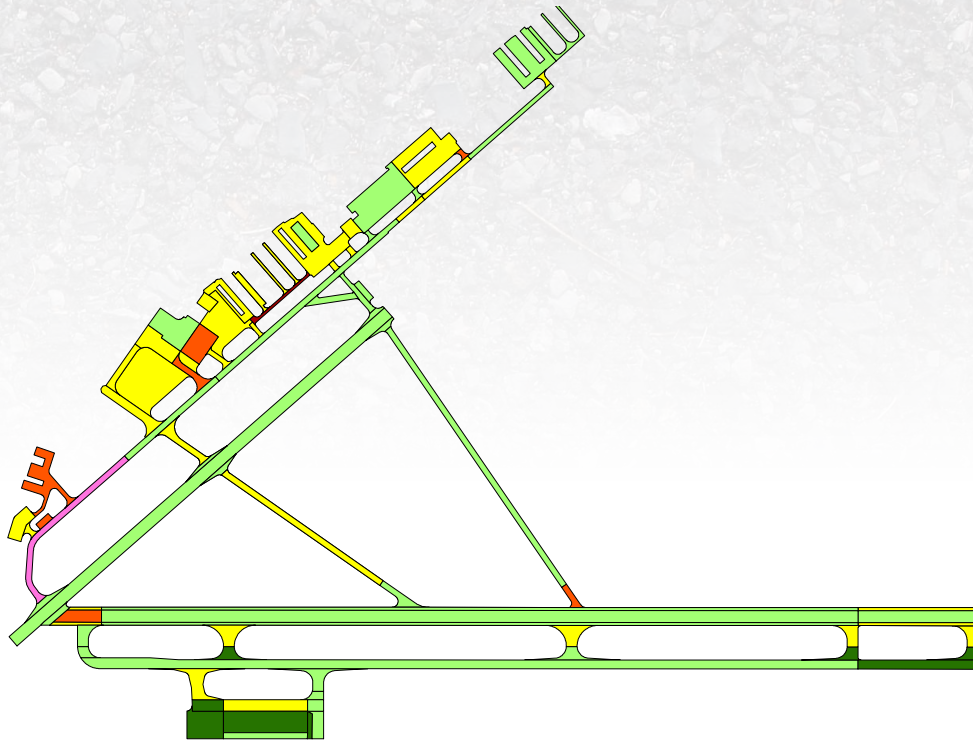
YEAR 1 LOCALIZED MAINTENANCE BY WORK TYPE SUMMARY

| Localized Maintenance Category | Localized Work Type | Rough Estimate of Work Quantity | Work Units | Planning Material Cost |
|---|----------------------------|---------------------------------|------------|------------------------|
| Localized Preventive Maintenance (Total = \$427,570) | AC Crack Sealing | 1,145 | LF | \$4,620 |
| | Surface Seal | 475,691 | SF | \$356,940 |
| | AC Full-Depth Patching | 509 | SF | \$9,550 |
| | PCC Joint Seal | 5,860 | LF | \$24,910 |
| | PCC Partial-Depth Patching | 187 | SF | \$31,550 |
| Localized Stopgap Maintenance (Total = \$48,430) | AC Full-Depth Patching | 2,582 | SF | \$48,430 |
| Total Localized Maintenance Needs = | | | | \$476,000 |

NETWORK-LEVEL MAJOR REHABILITATION NEEDS (IN MILLIONS)

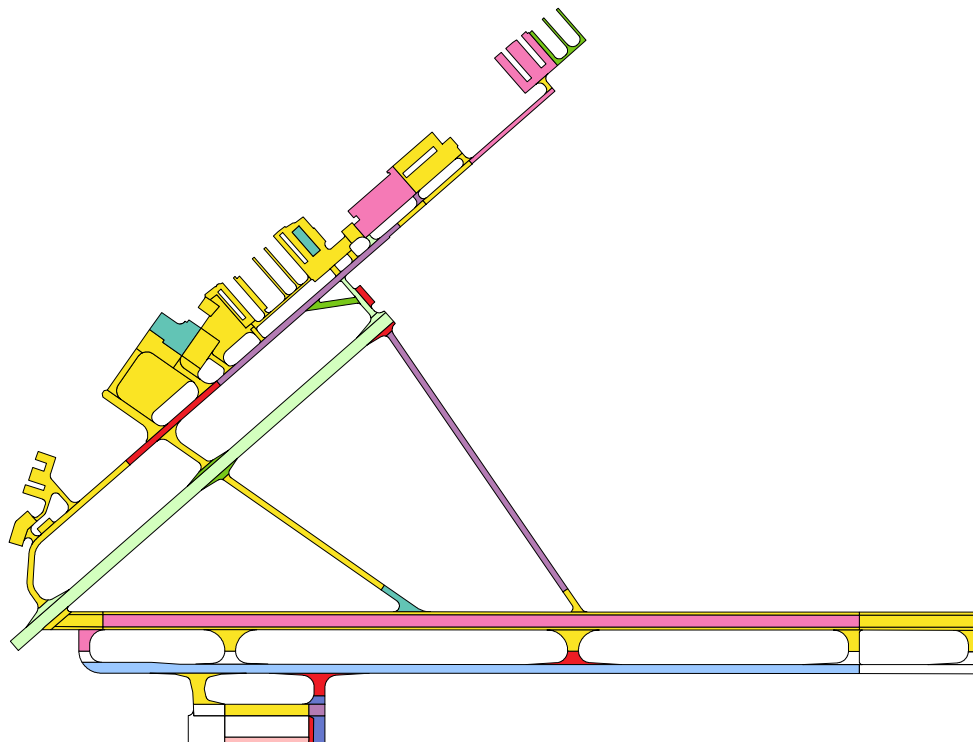
| Program Year | Rehabilitation Cost | Reconstruction Cost | Total Cost (Millions) |
|---|---------------------|---------------------|-----------------------|
| 2023 | \$23.6 | \$9.2 | \$32.8 |
| 2024 | \$13.7 | - | \$13.7 |
| 2025 | \$1.9 | - | \$1.9 |
| 2026 | \$1.2 | - | \$1.2 |
| 2027 | \$0.5 | - | \$0.5 |
| 2028 | \$8.2 | - | \$8.2 |
| 2029 | \$4.6 | - | \$4.6 |
| 2030 | \$2.5 | - | \$2.5 |
| 2031 | \$10.2 | - | \$10.2 |
| 2032 | \$1.7 | - | \$1.7 |
| Total Major Rehabilitation Needs = | | | \$77.3 |

PAVEMENT CONDITION INDEX EXHIBIT



■ Good (86-100)
 ■ Satisfactory (71-85)
 ■ Fair (56-70)
 ■ Poor (41-55)
 ■ Very Poor (26-40)
 ■ Serious (11-25)
 ■ Failed (0-10)

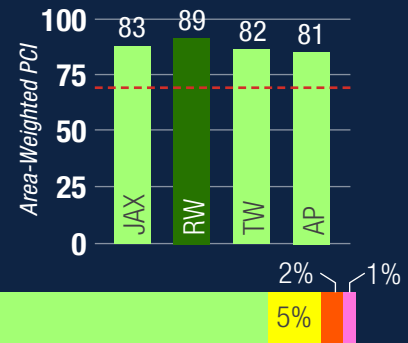
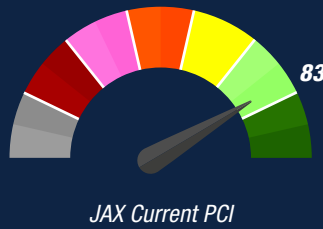
MAJOR REHABILITATION EXHIBIT



■ 2021
 ■ 2022
 ■ 2023
 ■ 2024
 ■ 2025
 ■ 2026
 ■ 2027
 ■ 2028
 ■ 2029
 ■ 2030
 ■ 2031
 ■ 2032

JACKSONVILLE INTERNATIONAL AIRPORT

JAX



■ Good (86-100)
 ■ Satisfactory (71-85)
 ■ Fair (56-70)
 ■ Poor (41-55)
 ■ Very Poor (26-40)
 ■ Serious (11-25)
 ■ Failed (0-10)

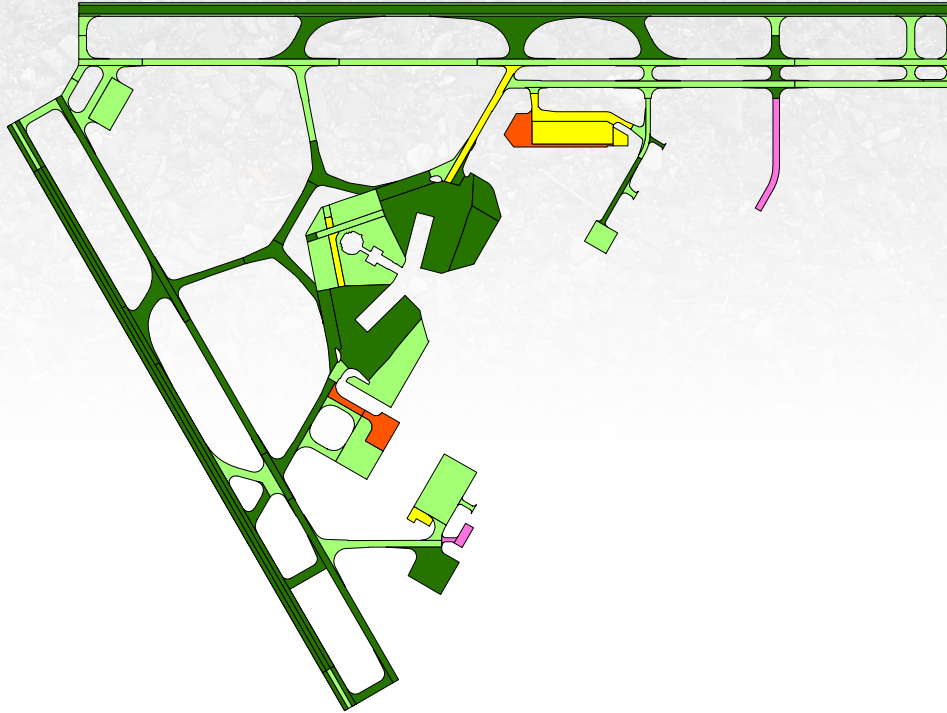
YEAR 1 LOCALIZED MAINTENANCE BY WORK TYPE SUMMARY

| Localized Maintenance Category | Localized Work Type | Rough Estimate of Work Quantity | Work Units | Planning Material Cost |
|---|----------------------------|---------------------------------|------------|------------------------|
| Localized Preventive Maintenance (Total = \$1,389,350) | Surface Seal | 4,640 | SF | \$3,510 |
| | PCC Joint Seal | 262,114 | LF | \$1,114,160 |
| | PCC Partial-Depth Patching | 1,119 | SF | \$189,430 |
| | PCC Full-Depth Patching | 889 | SF | \$66,670 |
| | PCC Slab Replacement | 303 | SF | \$15,580 |
| Localized Stopgap Maintenance (Total = \$10,930) | PCC Crack Sealing | 170 | LF | \$1,200 |
| | PCC Partial-Depth Patching | 58 | SF | \$9,730 |
| Total Localized Maintenance Needs = | | | | \$1,400,280 |

NETWORK-LEVEL MAJOR REHABILITATION NEEDS (IN MILLIONS)

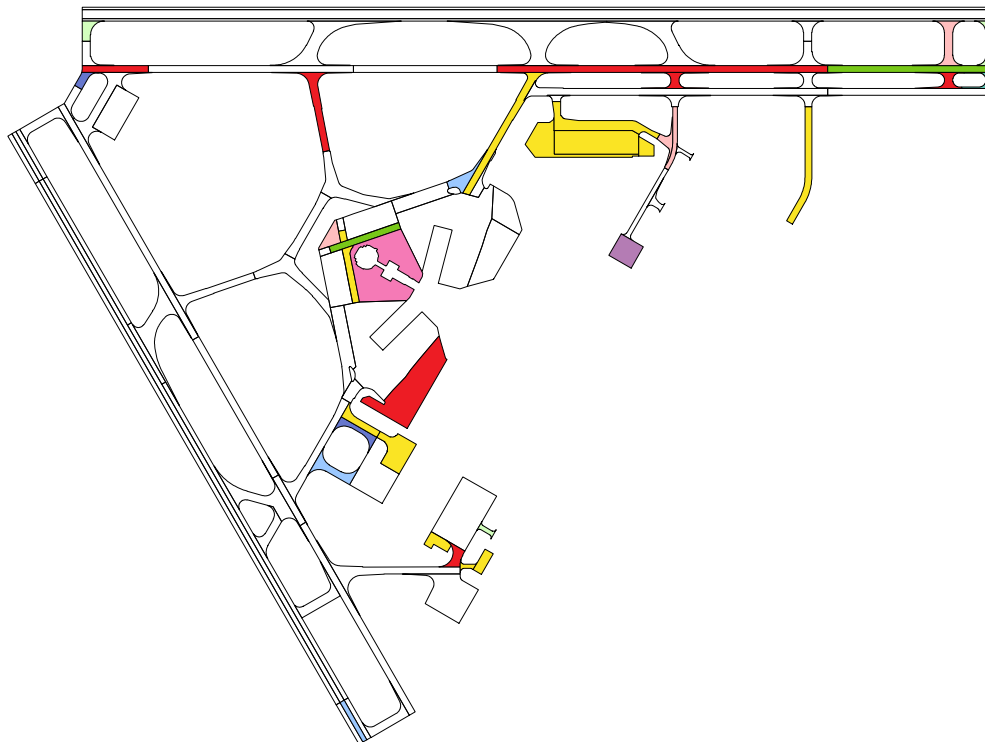
| Program Year | Rehabilitation Cost | Reconstruction Cost | Total Cost (Millions) |
|---|---------------------|---------------------|-----------------------|
| 2023 | \$11.8 | \$17.3 | \$29.1 |
| 2024 | \$11.6 | - | \$11.6 |
| 2025 | \$0.8 | - | \$0.8 |
| 2026 | \$7.0 | - | \$7.0 |
| 2027 | \$1.9 | - | \$1.9 |
| 2028 | \$3.1 | - | \$3.1 |
| 2029 | \$1.4 | - | \$1.4 |
| 2030 | \$34.8 | - | \$34.8 |
| 2031 | \$5.2 | - | \$5.2 |
| 2032 | \$5.8 | - | \$5.8 |
| Total Major Rehabilitation Needs = | | | \$100.7 |

PAVEMENT CONDITION INDEX EXHIBIT



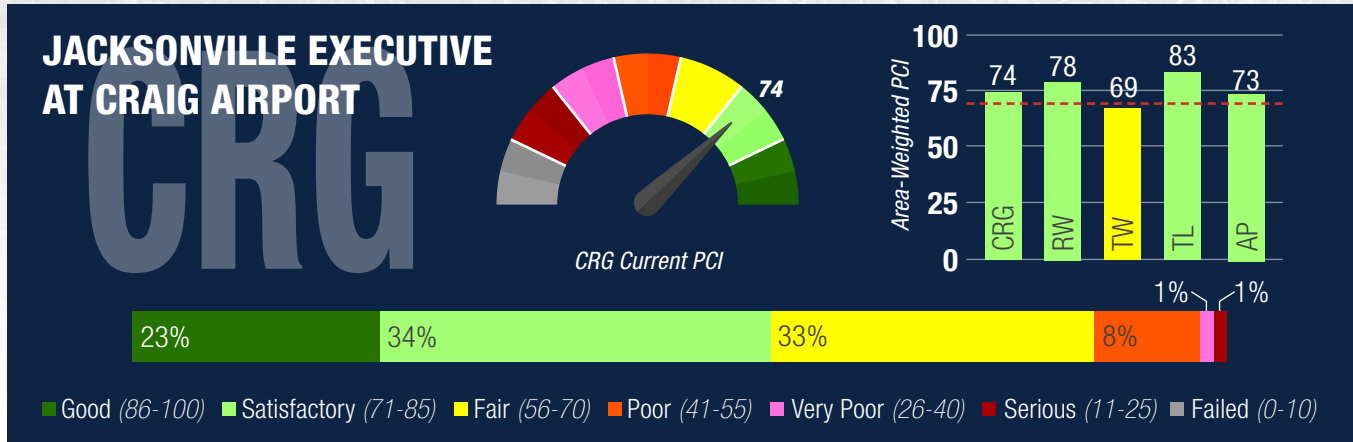
■ Good (86-100) ■ Satisfactory (71-85) ■ Fair (56-70) ■ Poor (41-55) ■ Very Poor (26-40) ■ Serious (11-25) ■ Failed (0-10)

MAJOR REHABILITATION EXHIBIT



■ 2021 ■ 2022 ■ 2023 ■ 2024 ■ 2025 ■ 2026 ■ 2027 ■ 2028 ■ 2029 ■ 2030 ■ 2031 ■ 2032

RELIEVER AIRPORTS



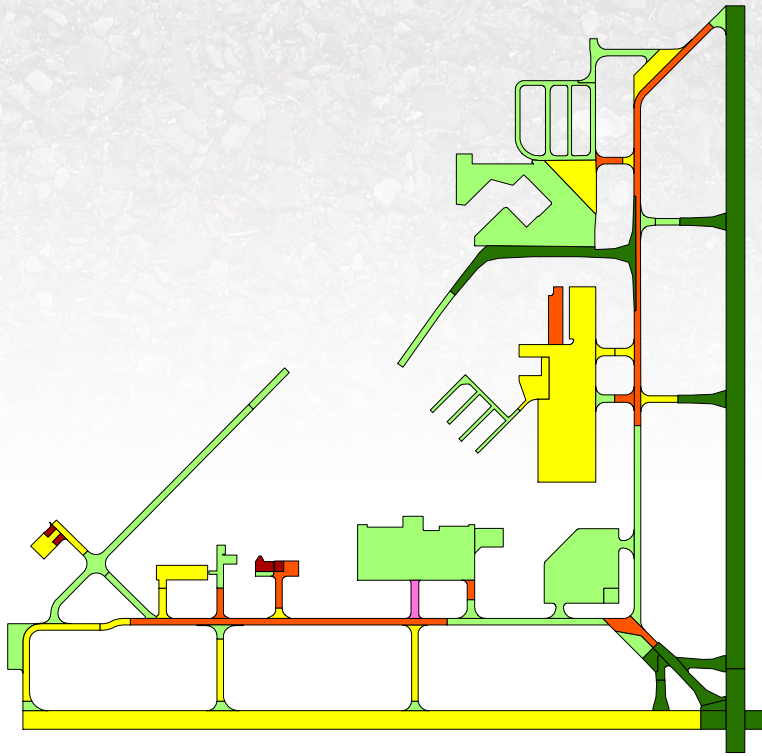
YEAR 1 LOCALIZED MAINTENANCE BY WORK TYPE SUMMARY

| Localized Maintenance Category | Localized Work Type | Rough Estimate of Work Quantity | Work Units | Planning Material Cost |
|---|-------------------------|---------------------------------|------------|------------------------|
| Localized Preventive Maintenance (Total = \$125,030) | AC Crack Sealing | 322 | LF | \$1,290 |
| | Surface Seal | 157,123 | SF | \$117,950 |
| | PCC Joint Seal | 1,361 | LF | \$5,790 |
| Localized Stopgap Maintenance (Total = \$11,600) | PCC Crack Sealing | 480 | LF | \$3,370 |
| | PCC Joint Seal | 750 | LF | \$3,190 |
| | PCC Full-Depth Patching | 78 | SF | \$5,040 |
| Total Localized Maintenance Needs = | | | | \$136,630 |

NETWORK-LEVEL MAJOR REHABILITATION NEEDS (IN MILLIONS)

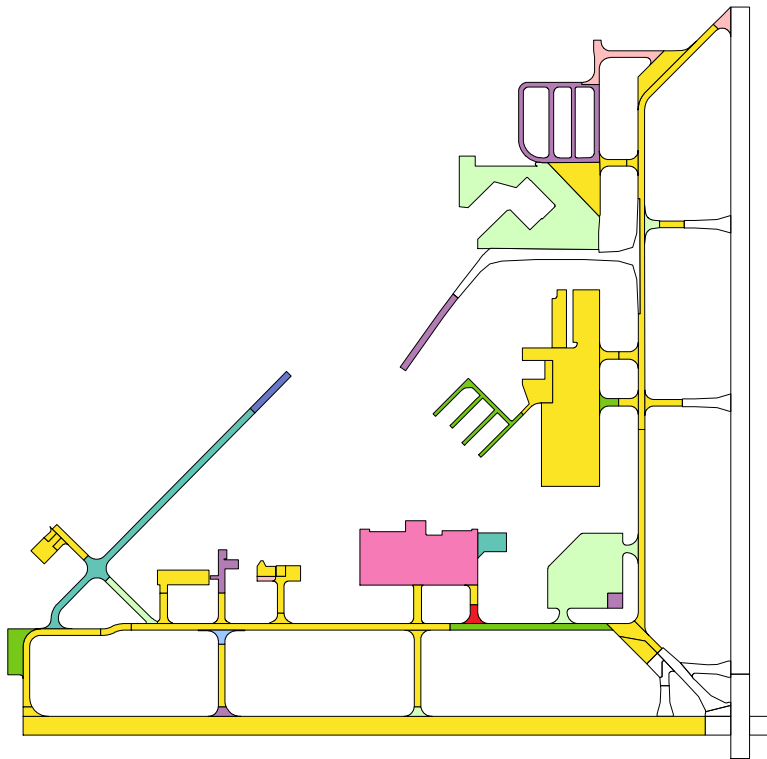
| Program Year | Rehabilitation Cost | Reconstruction Cost | Total Cost (Millions) |
|---|---------------------|---------------------|-----------------------|
| 2023 | \$9.3 | \$4.7 | \$14.0 |
| 2024 | \$2.0 | - | \$2.0 |
| 2025 | \$0.9 | - | \$0.9 |
| 2026 | \$1.0 | - | \$1.0 |
| 2027 | \$0.1 | - | \$0.1 |
| 2028 | \$5.0 | - | \$5.0 |
| 2029 | \$1.5 | - | \$1.5 |
| 2030 | \$0.1 | - | \$0.1 |
| 2031 | \$0.1 | - | \$0.1 |
| 2032 | \$0.6 | - | \$0.6 |
| Total Major Rehabilitation Needs = | | | \$25.3 |

PAVEMENT CONDITION INDEX EXHIBIT



■ Good (86-100) ■ Satisfactory (71-85) ■ Fair (56-70) ■ Poor (41-55) ■ Very Poor (26-40) ■ Serious (11-25) ■ Failed (0-10)

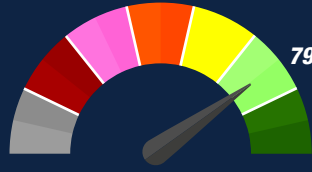
MAJOR REHABILITATION EXHIBIT



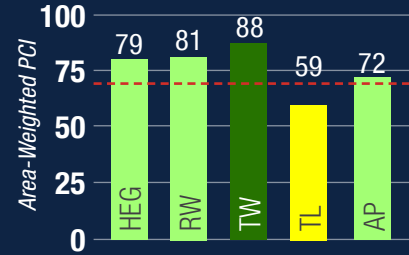
■ 2021 ■ 2022 ■ 2023 ■ 2024 ■ 2025 ■ 2026 ■ 2027 ■ 2028 ■ 2029 ■ 2030 ■ 2031 ■ 2032

HERLONG RECREATIONAL AIRPORT

HEG



HEG Current PCI



■ Good (86-100)
 ■ Satisfactory (71-85)
 ■ Fair (56-70)
 ■ Poor (41-55)
 ■ Very Poor (26-40)
 ■ Serious (11-25)
 ■ Failed (0-10)

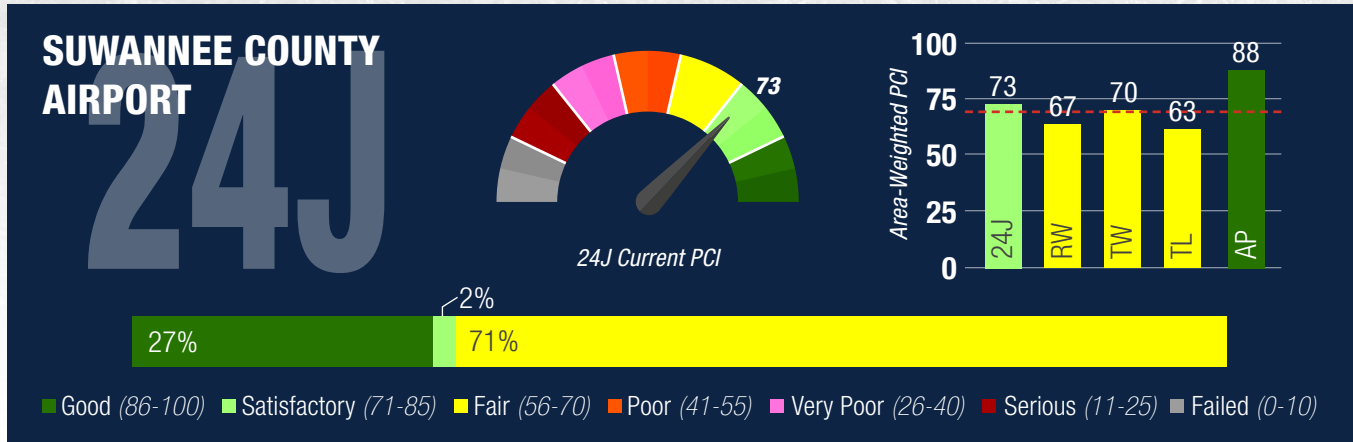
YEAR 1 LOCALIZED MAINTENANCE BY WORK TYPE SUMMARY

| Localized Maintenance Category | Localized Work Type | Rough Estimate of Work Quantity | Work Units | Planning Material Cost |
|---|-----------------------------------|---------------------------------|------------|------------------------|
| Localized Preventive Maintenance (Total = \$22,060) | Surface Seal | 29,324 | SF | \$22,060 |
| Localized Stopgap Maintenance (Total = \$207,970) | AC Full-Depth Patching | 596 | SF | \$6,870 |
| | PCC Crack Sealing | 1,748 | LF | \$12,250 |
| | PCC Partial-Depth Patching | 53 | SF | \$9,030 |
| | PCC Full-Depth Patching | 152 | SF | \$9,870 |
| | PCC Slab Replacement | 3,300 | SF | \$169,950 |
| Total Localized Maintenance Needs = | | | | \$230,030 |

NETWORK-LEVEL MAJOR REHABILITATION NEEDS (IN MILLIONS)

| Program Year | Rehabilitation Cost | Reconstruction Cost | Total Cost (Millions) |
|---|---------------------|---------------------|-----------------------|
| 2023 | \$6.7 | \$2.8 | \$9.5 |
| 2024 | \$0.2 | - | \$0.2 |
| 2026 | \$0.2 | - | \$0.2 |
| 2027 | \$0.1 | - | \$0.1 |
| 2030 | \$0.2 | - | \$0.2 |
| 2032 | \$4.3 | - | \$4.3 |
| Total Major Rehabilitation Needs = | | | \$14.5 |

GENERAL AVIATION AIRPORTS



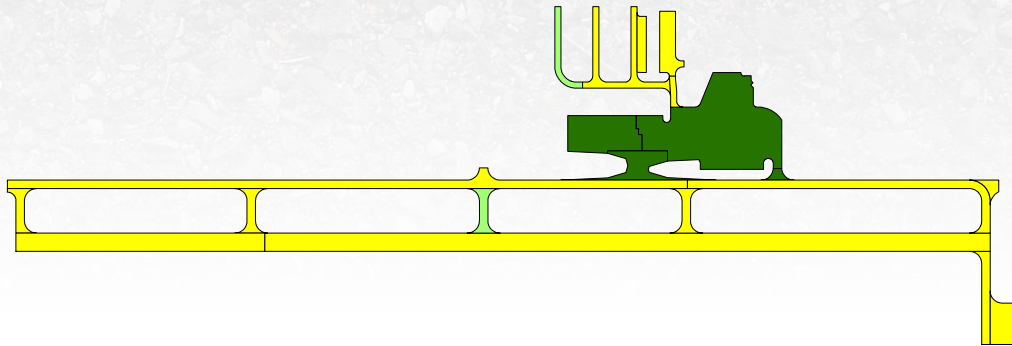
YEAR 1 LOCALIZED MAINTENANCE BY WORK TYPE SUMMARY

| Localized Maintenance Category | Localized Work Type | Rough Estimate of Work Quantity | Work Units | Planning Material Cost |
|--|---------------------|---------------------------------|------------|------------------------|
| Localized Preventive Maintenance (Total = \$7,340) | Surface Seal | 14,654 | SF | \$7,340 |
| Localized Stopgap Maintenance (Total = \$7,800) | Surface Seal | 15,586 | SF | \$7,800 |
| Total Localized Maintenance Needs = | | | | \$15,140 |

NETWORK-LEVEL MAJOR REHABILITATION NEEDS (IN MILLIONS)

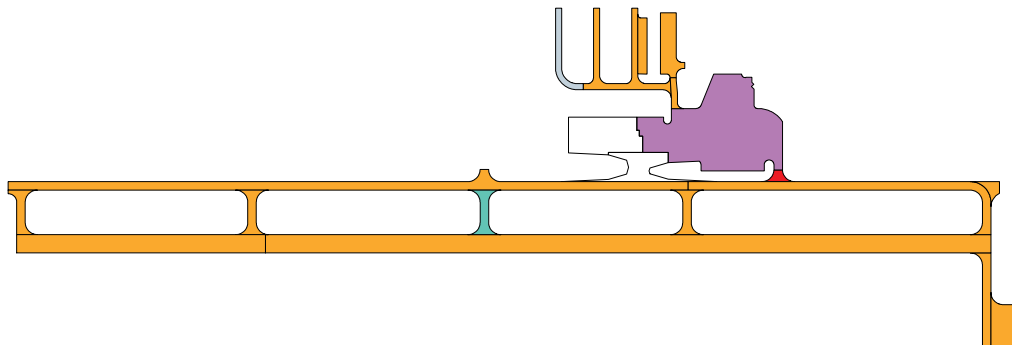
| Program Year | Rehabilitation Cost | Reconstruction Cost | Total Cost (Millions) |
|---|---------------------|---------------------|-----------------------|
| 2021 | \$4.0 | - | \$4.0 |
| 2022 | \$0.1 | - | \$0.1 |
| 2025 | \$0.1 | - | \$0.1 |
| 2029 | \$1.1 | - | \$1.1 |
| Total Major Rehabilitation Needs = | | | \$5.3 |

PAVEMENT CONDITION INDEX EXHIBIT



■ Good (86-100) ■ Satisfactory (71-85) ■ Fair (56-70) ■ Poor (41-55) ■ Very Poor (26-40) ■ Serious (11-25) ■ Failed (0-10)

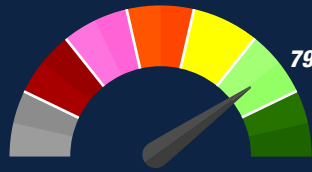
MAJOR REHABILITATION EXHIBIT



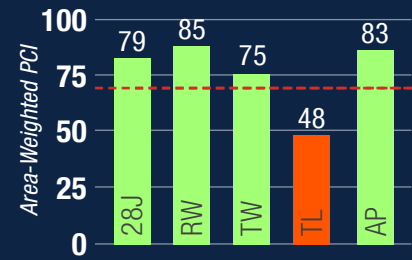
■ 2021 ■ 2022 ■ 2023 ■ 2024 ■ 2025 ■ 2026 ■ 2027 ■ 2028 ■ 2029 ■ 2030 ■ 2031 ■ 2032

**PALATKA MUNICIPAL -
LT. KAY LARKIN FIELD**

28J



28J Current PCI



■ Good (86-100) ■ Satisfactory (71-85) ■ Fair (56-70) ■ Poor (41-55) ■ Very Poor (26-40) ■ Serious (11-25) ■ Failed (0-10)

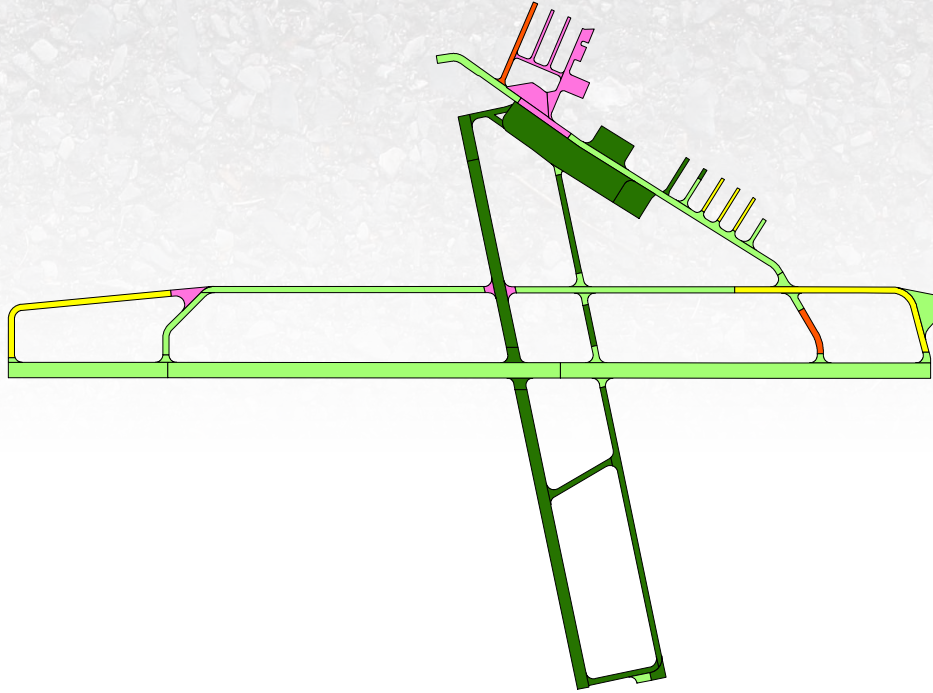
YEAR 1 LOCALIZED MAINTENANCE BY WORK TYPE SUMMARY

| Localized Maintenance Category | Localized Work Type | Rough Estimate of Work Quantity | Work Units | Planning Material Cost |
|---|------------------------|---------------------------------|------------|------------------------|
| Localized Preventive Maintenance (Total = \$50,630) | AC Crack Sealing | 203 | LF | \$630 |
| | Surface Seal | 98,542 | SF | \$49,390 |
| | AC Full-Depth Patching | 81 | SF | \$610 |
| Localized Stopgap Maintenance (Total = \$3,380) | AC Full-Depth Patching | 450 | SF | \$3,380 |
| Total Localized Maintenance Needs = | | | | \$54,010 |

NETWORK-LEVEL MAJOR REHABILITATION NEEDS (IN MILLIONS)

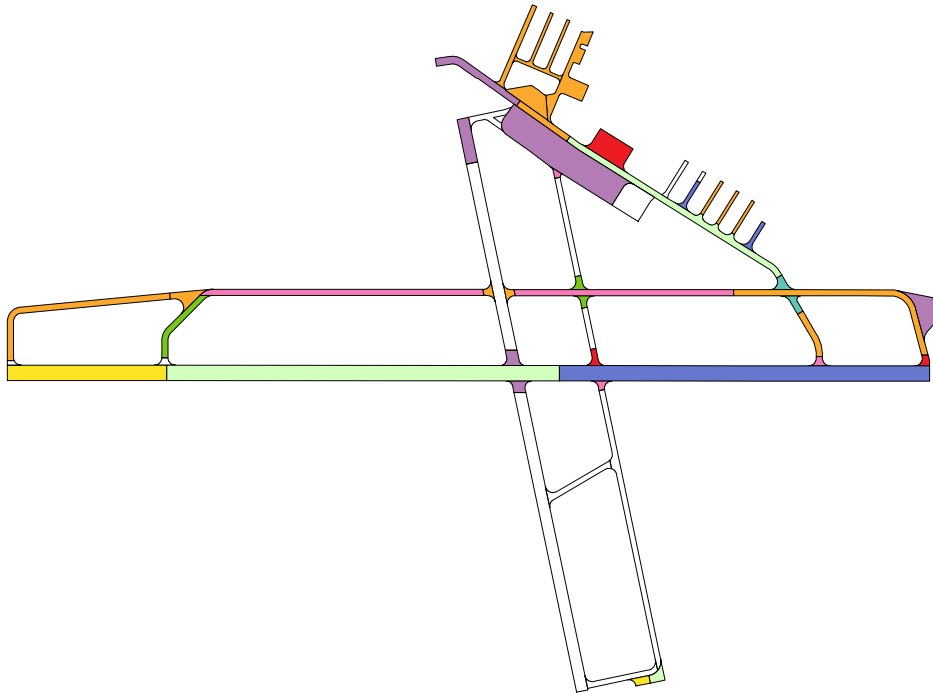
| Program Year | Rehabilitation Cost | Reconstruction Cost | Total Cost (Millions) |
|---|---------------------|---------------------|-----------------------|
| 2021 | \$0.9 | \$1.7 | \$2.6 |
| 2023 | \$0.8 | - | \$0.8 |
| 2024 | \$1.0 | - | \$1.0 |
| 2025 | \$0.1 | - | \$0.1 |
| 2026 | \$0.2 | - | \$0.2 |
| 2027 | \$1.8 | - | \$1.8 |
| 2028 | \$2.3 | - | \$2.3 |
| 2029 | \$1.9 | - | \$1.9 |
| 2030 | \$0.3 | - | \$0.3 |
| Total Major Rehabilitation Needs = | | | \$11.0 |

PAVEMENT CONDITION INDEX EXHIBIT



■ Good (86-100)
 ■ Satisfactory (71-85)
 ■ Fair (56-70)
 ■ Poor (41-55)
 ■ Very Poor (26-40)
 ■ Serious (11-25)
 ■ Failed (0-10)

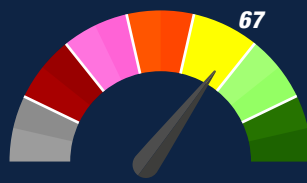
MAJOR REHABILITATION EXHIBIT



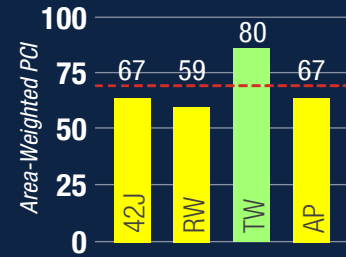
■ 2021
 ■ 2022
 ■ 2023
 ■ 2024
 ■ 2025
 ■ 2026
 ■ 2027
 ■ 2028
 ■ 2029
 ■ 2030
 ■ 2031
 ■ 2032

KEYSTONE HEIGHTS AIRPORT

42J



42J Current PCI



■ Good (86-100)
 ■ Satisfactory (71-85)
 ■ Fair (56-70)
 ■ Poor (41-55)
 ■ Very Poor (26-40)
 ■ Serious (11-25)
 ■ Failed (0-10)

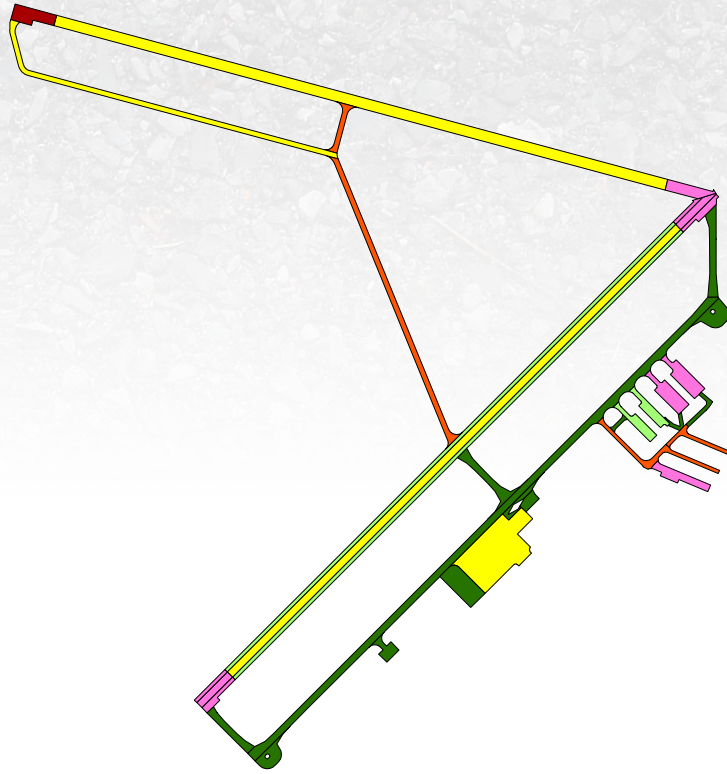
YEAR 1 LOCALIZED MAINTENANCE BY WORK TYPE SUMMARY

| Localized Maintenance Category | Localized Work Type | Rough Estimate of Work Quantity | Work Units | Planning Material Cost |
|---|----------------------------|---------------------------------|------------|------------------------|
| Localized Preventive Maintenance (Total = \$20,860) | AC Crack Sealing | 220 | LF | \$660 |
| | Surface Seal | 40,382 | SF | \$20,200 |
| Localized Stopgap Maintenance (Total = \$202,160) | AC Full-Depth Patching | 16,015 | SF | \$120,120 |
| | PCC Crack Sealing | 4,928 | LF | \$24,700 |
| | PCC Joint Seal | 5,971 | LF | \$19,420 |
| | PCC Partial-Depth Patching | 162 | SF | \$20,240 |
| | PCC Full-Depth Patching | 353 | SF | \$17,680 |
| Total Localized Maintenance Needs = | | | | \$223,020 |

NETWORK-LEVEL MAJOR REHABILITATION NEEDS (IN MILLIONS)

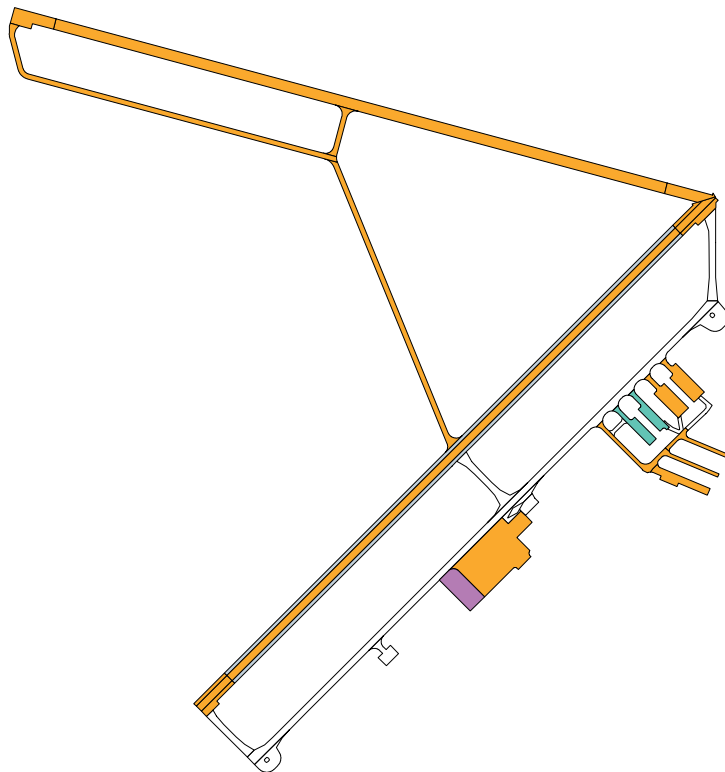
| Program Year | Rehabilitation Cost | Reconstruction Cost | Total Cost (Millions) |
|---|---------------------|---------------------|-----------------------|
| 2021 | \$6.9 | \$4.9 | \$11.8 |
| 2022 | \$1.5 | - | \$1.5 |
| 2025 | \$0.3 | - | \$0.3 |
| 2029 | \$0.3 | - | \$0.3 |
| Total Major Rehabilitation Needs = | | | \$13.9 |

PAVEMENT CONDITION INDEX EXHIBIT



■ Good (86-100) ■ Satisfactory (71-85) ■ Fair (56-70) ■ Poor (41-55) ■ Very Poor (26-40) ■ Serious (11-25) ■ Failed (0-10)

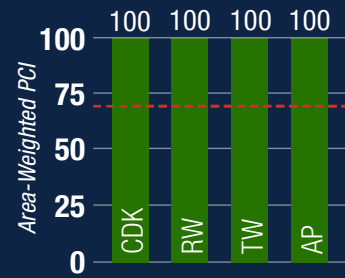
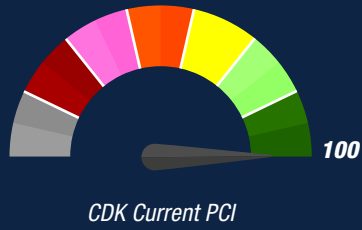
MAJOR REHABILITATION EXHIBIT



■ 2021 ■ 2022 ■ 2023 ■ 2024 ■ 2025 ■ 2026 ■ 2027 ■ 2028 ■ 2029 ■ 2030 ■ 2031 ■ 2032

GEORGE T. LEWIS AIRPORT

CDK



100%

■ Good (86-100)
 ■ Satisfactory (71-85)
 ■ Fair (56-70)
 ■ Poor (41-55)
 ■ Very Poor (26-40)
 ■ Serious (11-25)
 ■ Failed (0-10)

YEAR 1 LOCALIZED MAINTENANCE BY WORK TYPE SUMMARY

| Localized Maintenance Category | Localized Work Type | Rough Estimate of Work Quantity | Work Units | Planning Material Cost |
|--------------------------------|---------------------|---------------------------------|------------|------------------------|
|--------------------------------|---------------------|---------------------------------|------------|------------------------|

No Year 1 Localized Preventive or Stopgap Maintenance due to major rehabilitation completed on all pavements in 2020.

NETWORK-LEVEL MAJOR REHABILITATION NEEDS (IN MILLIONS)

| Program Year | Rehabilitation Cost | Reconstruction Cost | Total Cost (Millions) |
|--------------|---------------------|---------------------|-----------------------|
|--------------|---------------------|---------------------|-----------------------|

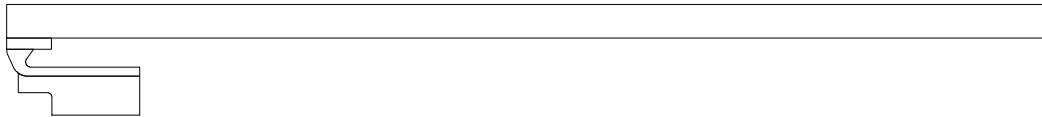
No 10-Year Major Rehabilitation Needs

PAVEMENT CONDITION INDEX EXHIBIT



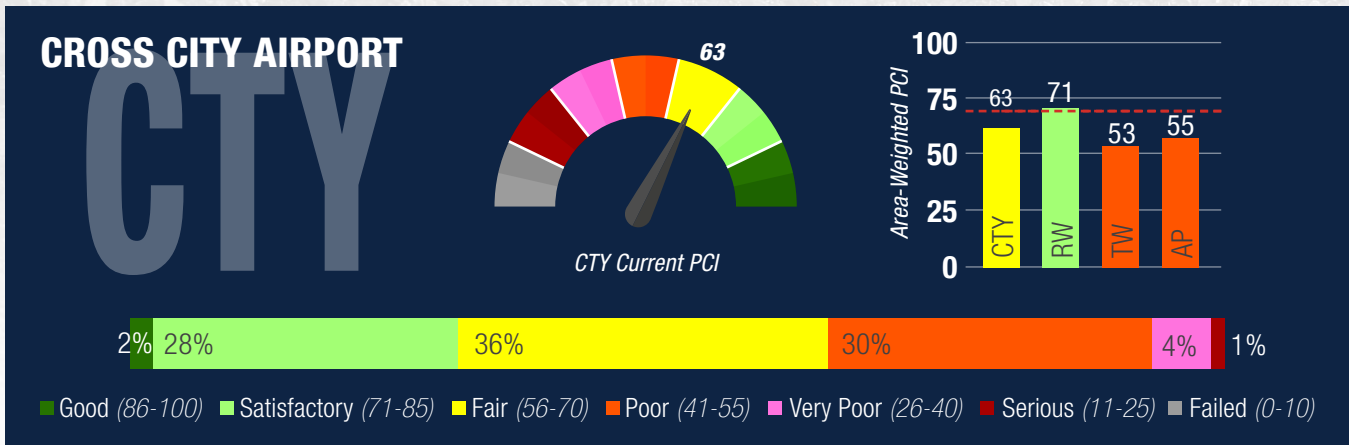
■ Good (86-100) ■ Satisfactory (71-85) ■ Fair (56-70) ■ Poor (41-55) ■ Very Poor (26-40) ■ Serious (11-25) ■ Failed (0-10)

MAJOR REHABILITATION EXHIBIT



■ 2021 ■ 2022 ■ 2023 ■ 2024 ■ 2025 ■ 2026 ■ 2027 ■ 2028 ■ 2029 ■ 2030 ■ 2031 ■ 2032





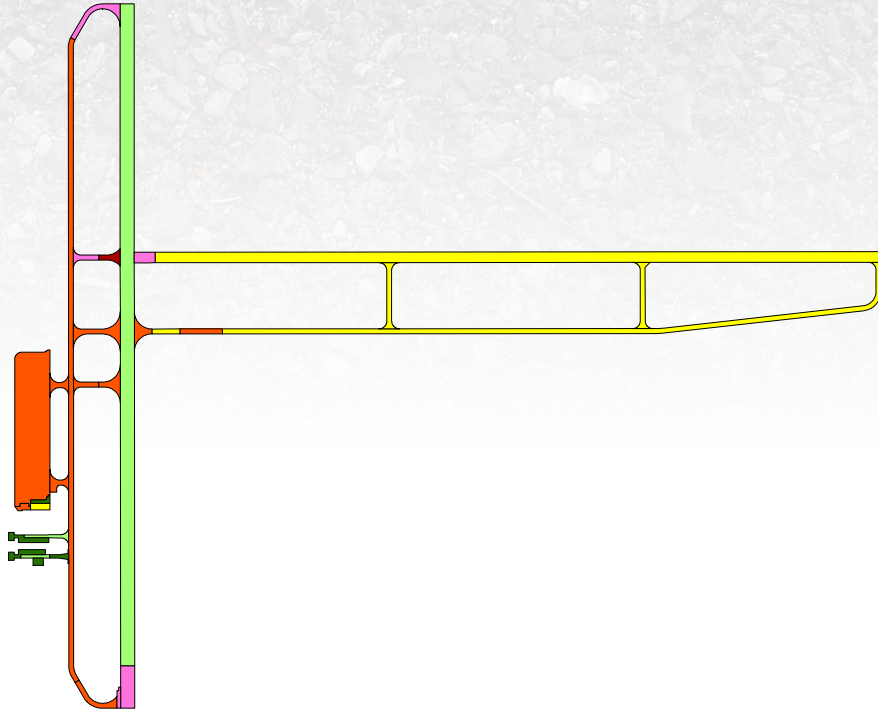
YEAR 1 LOCALIZED MAINTENANCE BY WORK TYPE SUMMARY

| Localized Maintenance Category | Localized Work Type | Rough Estimate of Work Quantity | Work Units | Planning Material Cost |
|--|----------------------------|---------------------------------|------------|------------------------|
| Localized Preventive Maintenance (Total = \$4,990) | AC Crack Sealing | 1,551 | LF | \$4,660 |
| | Surface Seal | 652 | SF | \$330 |
| Localized Stopgap Maintenance (Total = \$34,200) | AC Crack Sealing | 136 | LF | \$420 |
| | AC Partial-Depth Patching | 618 | SF | \$2,340 |
| | AC Full-Depth Patching | 127 | SF | \$960 |
| | PCC Crack Sealing | 593 | LF | \$2,980 |
| | PCC Joint Seal | 1,507 | LF | \$4,910 |
| | PCC Partial-Depth Patching | 167 | SF | \$21,090 |
| | PCC Full-Depth Patching | 30 | SF | \$1,500 |
| Total Localized Maintenance Needs = | | | | \$39,190 |

NETWORK-LEVEL MAJOR REHABILITATION NEEDS (IN MILLIONS)

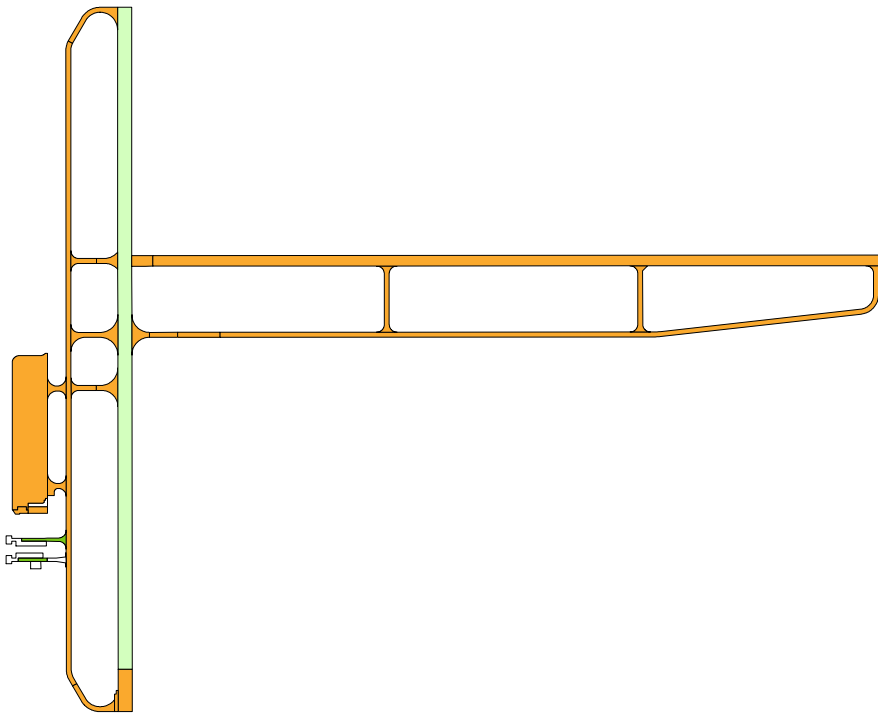
| Program Year | Rehabilitation Cost | Reconstruction Cost | Total Cost (Millions) |
|---|---------------------|---------------------|-----------------------|
| 2021 | \$4.3 | \$9.9 | \$14.2 |
| 2026 | \$0.1 | - | \$0.1 |
| 2028 | \$3.3 | - | \$3.3 |
| Total Major Rehabilitation Needs = | | | \$17.6 |

PAVEMENT CONDITION INDEX EXHIBIT



■ Good (86-100) ■ Satisfactory (71-85) ■ Fair (56-70) ■ Poor (41-55) ■ Very Poor (26-40) ■ Serious (11-25) ■ Failed (0-10)

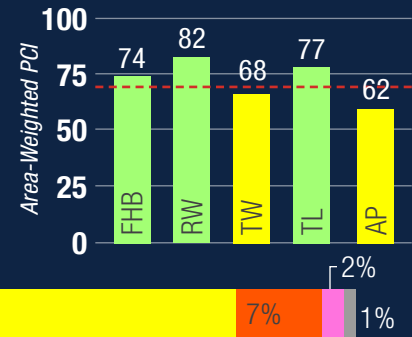
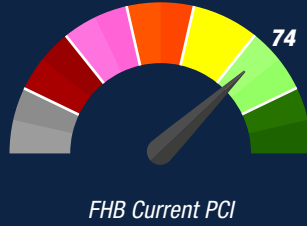
MAJOR REHABILITATION EXHIBIT



■ 2021 ■ 2022 ■ 2023 ■ 2024 ■ 2025 ■ 2026 ■ 2027 ■ 2028 ■ 2029 ■ 2030 ■ 2031 ■ 2032

FERNANDINA BEACH MUNICIPAL AIRPORT

FHB



■ Good (86-100)
 ■ Satisfactory (71-85)
 ■ Fair (56-70)
 ■ Poor (41-55)
 ■ Very Poor (26-40)
 ■ Serious (11-25)
 ■ Failed (0-10)

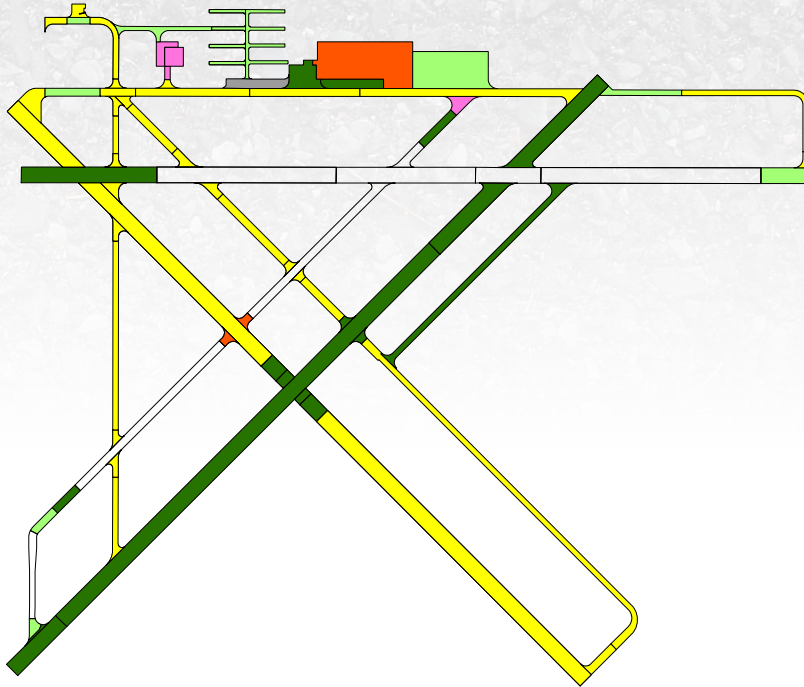
YEAR 1 LOCALIZED MAINTENANCE BY WORK TYPE SUMMARY

| Localized Maintenance Category | Localized Work Type | Rough Estimate of Work Quantity | Work Units | Planning Material Cost |
|---|----------------------------|---------------------------------|------------|------------------------|
| Localized Preventive Maintenance (Total = \$145,290) | Surface Seal | 39,120 | SF | \$29,390 |
| | AC Full-Depth Patching | 25 | SF | \$250 |
| | PCC Joint Seal | 24,007 | LF | \$102,070 |
| | PCC Partial-Depth Patching | 80 | SF | \$13,580 |
| Localized Stopgap Maintenance (Total = \$105,020) | AC Full-Depth Patching | 315 | SF | \$3,160 |
| | PCC Crack Sealing | 1,600 | LF | \$11,210 |
| | PCC Joint Seal | 1,940 | LF | \$8,250 |
| | PCC Slab Replacement | 1,600 | SF | \$82,400 |
| Total Localized Maintenance Needs = | | | | \$250,310 |

NETWORK-LEVEL MAJOR REHABILITATION NEEDS (IN MILLIONS)

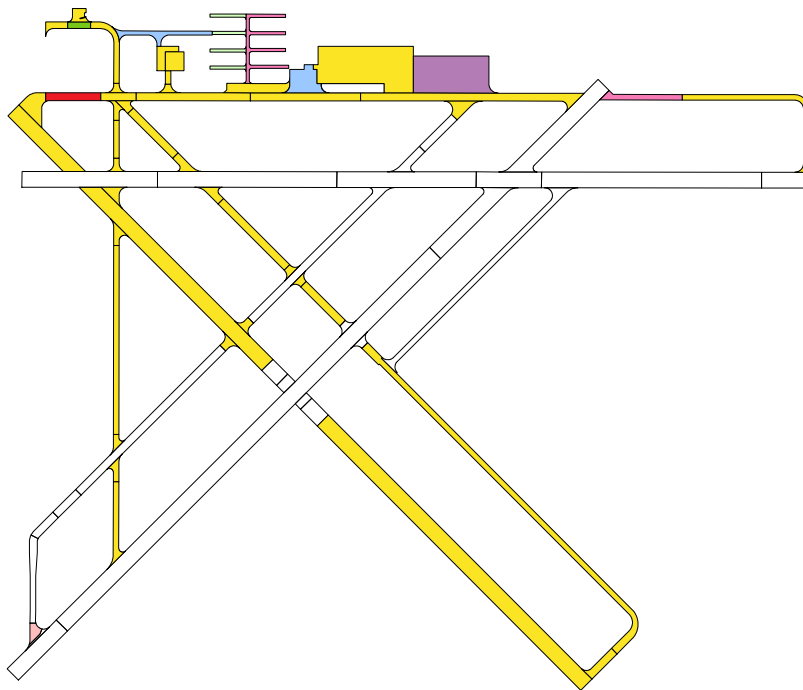
| Program Year | Rehabilitation Cost | Reconstruction Cost | Total Cost (Millions) |
|---|---------------------|---------------------|-----------------------|
| 2023 | \$9.1 | \$4.0 | \$13.1 |
| 2024 | \$0.4 | - | \$0.4 |
| 2026 | \$0.1 | - | \$0.1 |
| 2028 | \$0.2 | - | \$0.2 |
| 2029 | \$1.4 | - | \$1.4 |
| 2030 | \$0.2 | - | \$0.2 |
| 2031 | \$0.7 | - | \$0.7 |
| 2032 | \$0.1 | - | \$0.1 |
| Total Major Rehabilitation Needs = | | | \$16.2 |

PAVEMENT CONDITION INDEX EXHIBIT



■ Good (86-100) ■ Satisfactory (71-85) ■ Fair (56-70) ■ Poor (41-55) ■ Very Poor (26-40) ■ Serious (11-25) ■ Failed (0-10)

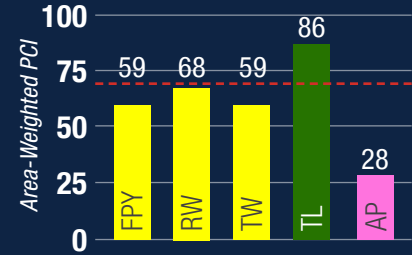
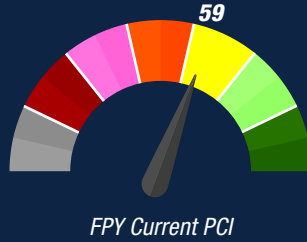
MAJOR REHABILITATION EXHIBIT



■ 2021 ■ 2022 ■ 2023 ■ 2024 ■ 2025 ■ 2026 ■ 2027 ■ 2028 ■ 2029 ■ 2030 ■ 2031 ■ 2032

PERRY-FOLEY AIRPORT

FPY



■ Good (86-100)
 ■ Satisfactory (71-85)
 ■ Fair (56-70)
 ■ Poor (41-55)
 ■ Very Poor (26-40)
 ■ Serious (11-25)
 ■ Failed (0-10)

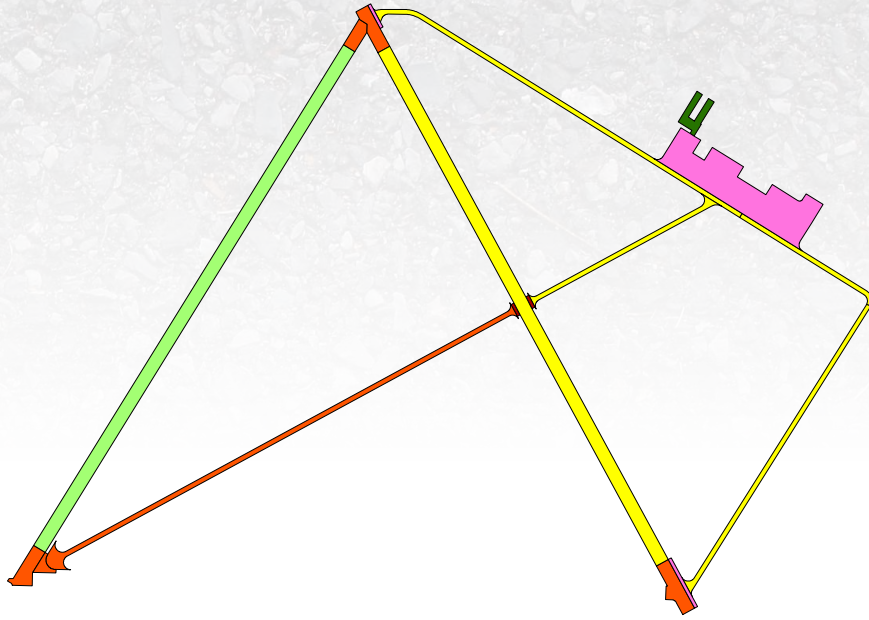
YEAR 1 LOCALIZED MAINTENANCE BY WORK TYPE SUMMARY

| Localized Maintenance Category | Localized Work Type | Rough Estimate of Work Quantity | Work Units | Planning Material Cost |
|---|----------------------------|---------------------------------|------------|------------------------|
| Localized Preventive Maintenance (Total = \$390) | Surface Seal | 760 | SF | \$390 |
| Localized Stopgap Maintenance (Total = \$248,990) | AC Full-Depth Patching | 182 | SF | \$1,370 |
| | PCC Crack Sealing | 12,596 | LF | \$63,020 |
| | PCC Joint Seal | 26,580 | LF | \$86,400 |
| | PCC Partial-Depth Patching | 563 | SF | \$70,550 |
| | PCC Full-Depth Patching | 553 | SF | \$27,650 |
| Total Localized Maintenance Needs = | | | | \$249,380 |

NETWORK-LEVEL MAJOR REHABILITATION NEEDS (IN MILLIONS)

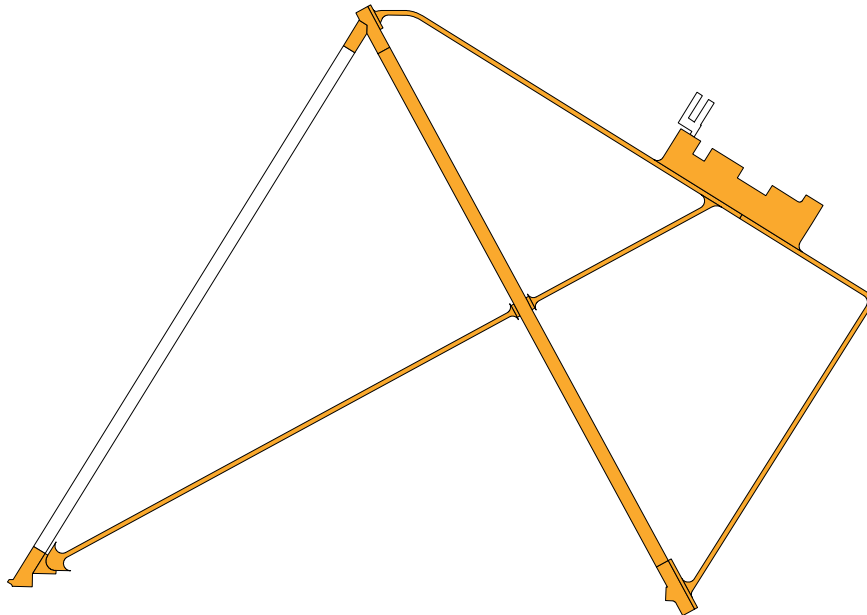
| Program Year | Rehabilitation Cost | Reconstruction Cost | Total Cost (Millions) |
|---|---------------------|---------------------|-----------------------|
| 2021 | \$5.2 | \$12.8 | \$18.0 |
| Total Major Rehabilitation Needs = | | | \$18.0 |

PAVEMENT CONDITION INDEX EXHIBIT



■ Good (86-100) ■ Satisfactory (71-85) ■ Fair (56-70) ■ Poor (41-55) ■ Very Poor (26-40) ■ Serious (11-25) ■ Failed (0-10)

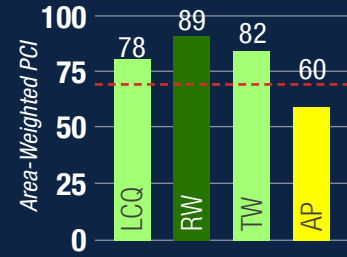
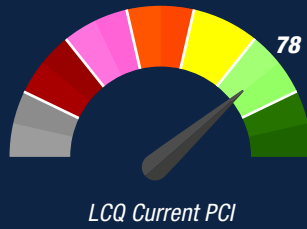
MAJOR REHABILITATION EXHIBIT



■ 2021 ■ 2022 ■ 2023 ■ 2024 ■ 2025 ■ 2026 ■ 2027 ■ 2028 ■ 2029 ■ 2030 ■ 2031 ■ 2032

LAKE CITY GATEWAY AIRPORT

LCQ



■ Good (86-100)
 ■ Satisfactory (71-85)
 ■ Fair (56-70)
 ■ Poor (41-55)
 ■ Very Poor (26-40)
 ■ Serious (11-25)
 ■ Failed (0-10)

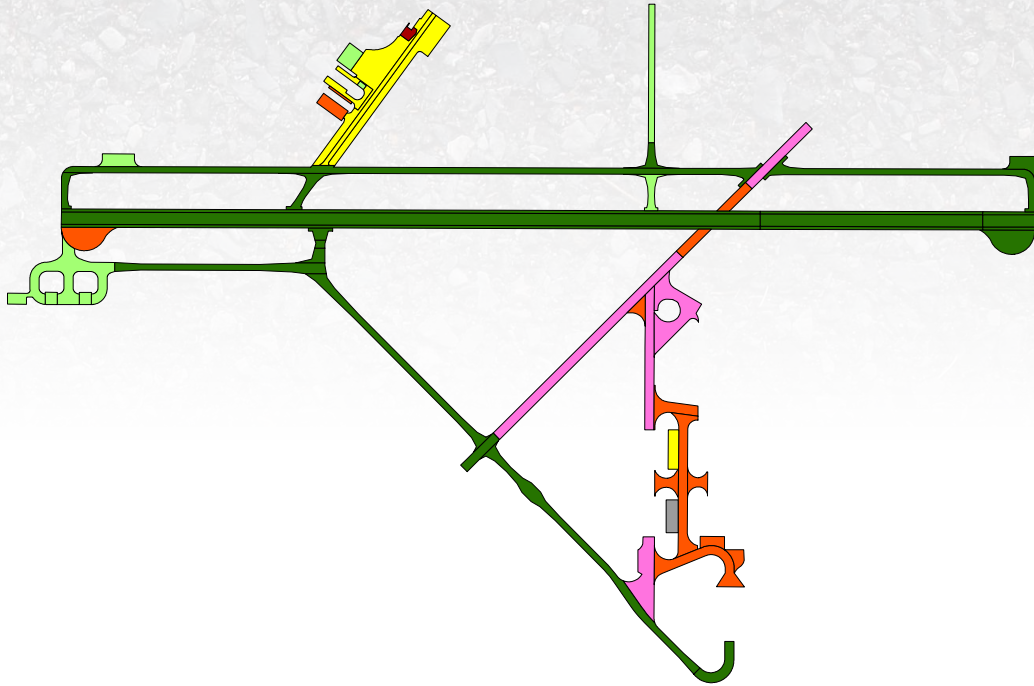
YEAR 1 LOCALIZED MAINTENANCE BY WORK TYPE SUMMARY

| Localized Maintenance Category | Localized Work Type | Rough Estimate of Work Quantity | Work Units | Planning Material Cost |
|---|---------------------------|---------------------------------|------------|------------------------|
| Localized Preventive Maintenance (Total = \$12,210) | AC Crack Sealing | 222 | LF | \$670 |
| | Surface Seal | 9,577 | SF | \$4,800 |
| | PCC Joint Seal | 2,072 | LF | \$6,740 |
| Localized Stopgap Maintenance (Total = \$66,630) | AC Partial-Depth Patching | 1,323 | SF | \$4,970 |
| | AC Full-Depth Patching | 8,217 | SF | \$61,660 |
| Total Localized Maintenance Needs = | | | | \$78,840 |

NETWORK-LEVEL MAJOR REHABILITATION NEEDS (IN MILLIONS)

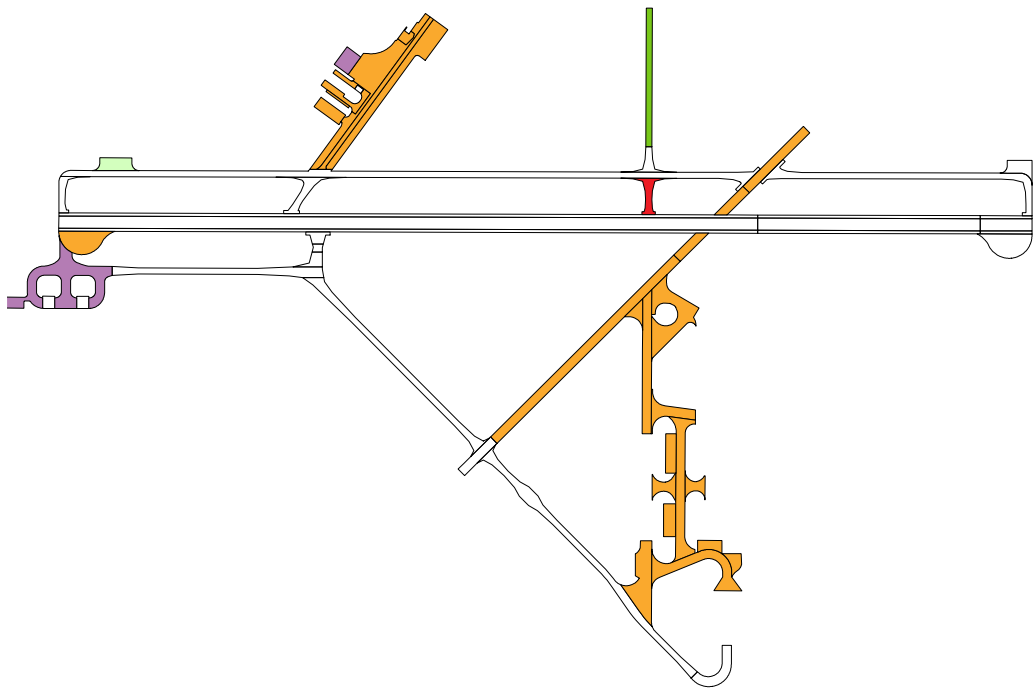
| Program Year | Rehabilitation Cost | Reconstruction Cost | Total Cost (Millions) |
|---|---------------------|---------------------|-----------------------|
| 2021 | \$2.7 | \$10.2 | \$12.9 |
| 2026 | \$0.4 | - | \$0.4 |
| 2028 | \$0.2 | - | \$0.2 |
| 2029 | \$1.3 | - | \$1.3 |
| 2030 | \$0.2 | - | \$0.2 |
| Total Major Rehabilitation Needs = | | | \$15.0 |

PAVEMENT CONDITION INDEX EXHIBIT



■ Good (86-100) ■ Satisfactory (71-85) ■ Fair (56-70) ■ Poor (41-55) ■ Very Poor (26-40) ■ Serious (11-25) ■ Failed (0-10)

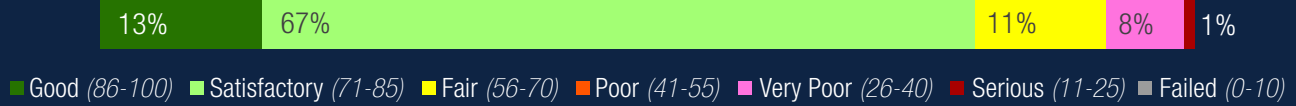
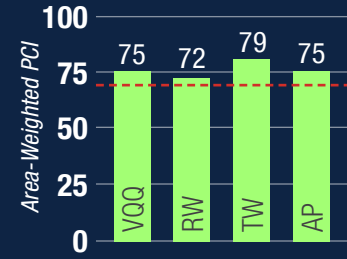
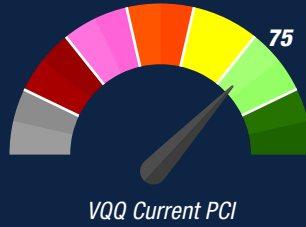
MAJOR REHABILITATION EXHIBIT



■ 2021 ■ 2022 ■ 2023 ■ 2024 ■ 2025 ■ 2026 ■ 2027 ■ 2028 ■ 2029 ■ 2030 ■ 2031 ■ 2032

CECIL AIRPORT

VQQ



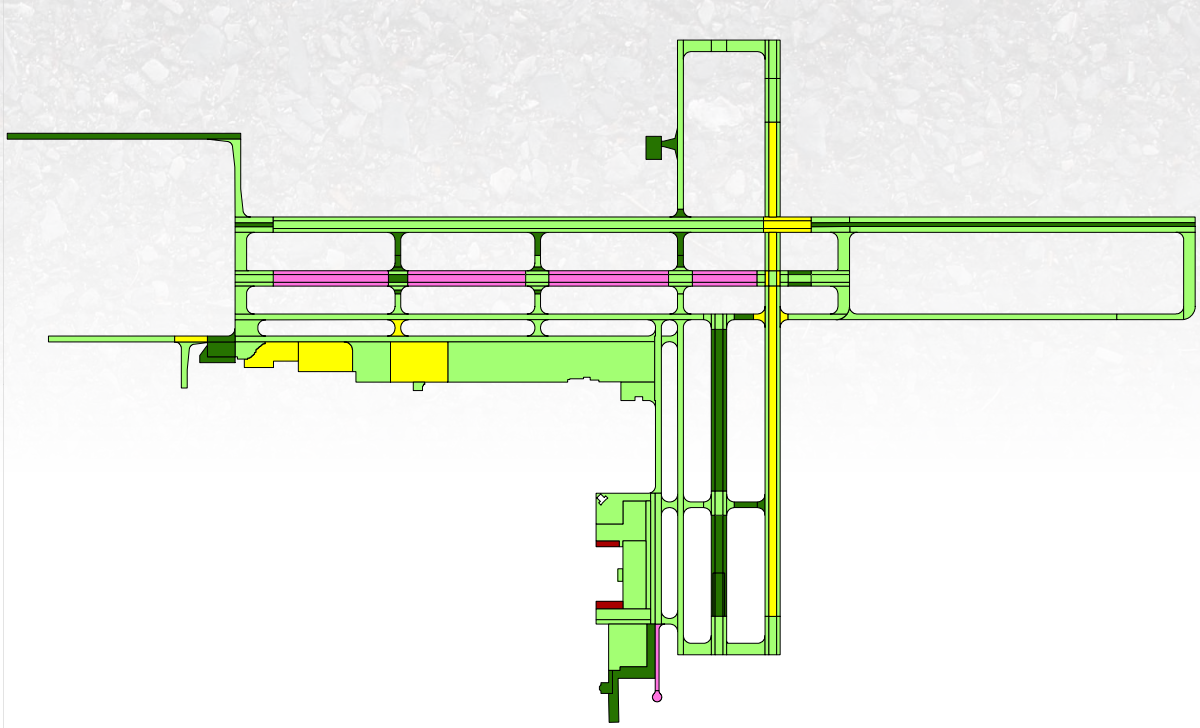
YEAR 1 LOCALIZED MAINTENANCE BY WORK TYPE SUMMARY

| Localized Maintenance Category | Localized Work Type | Rough Estimate of Work Quantity | Work Units | Planning Material Cost |
|---|----------------------------|---------------------------------|------------|------------------------|
| Localized Preventive Maintenance (Total = \$4,222,790) | AC Crack Sealing | 2,164 | LF | \$6,510 |
| | Surface Seal | 18,453 | SF | \$9,260 |
| | PCC Crack Sealing | 287 | LF | \$1,440 |
| | PCC Joint Seal | 424,123 | LF | \$1,378,660 |
| | Grinding | 86 | LF | \$180 |
| | PCC Partial-Depth Patching | 14,987 | SF | \$1,873,860 |
| | PCC Full-Depth Patching | 19,055 | SF | \$952,880 |
| Localized Stopgap Maintenance (Total = \$139,230) | AC Full-Depth Patching | 859 | SF | \$6,450 |
| | PCC Crack Sealing | 3,308 | LF | \$16,580 |
| | PCC Joint Seal | 3,437 | LF | \$11,180 |
| | PCC Partial-Depth Patching | 558 | SF | \$69,800 |
| | PCC Full-Depth Patching | 704 | SF | \$35,220 |
| Total Localized Maintenance Needs = | | | | \$4,362,020 |

NETWORK-LEVEL MAJOR REHABILITATION NEEDS (IN MILLIONS)

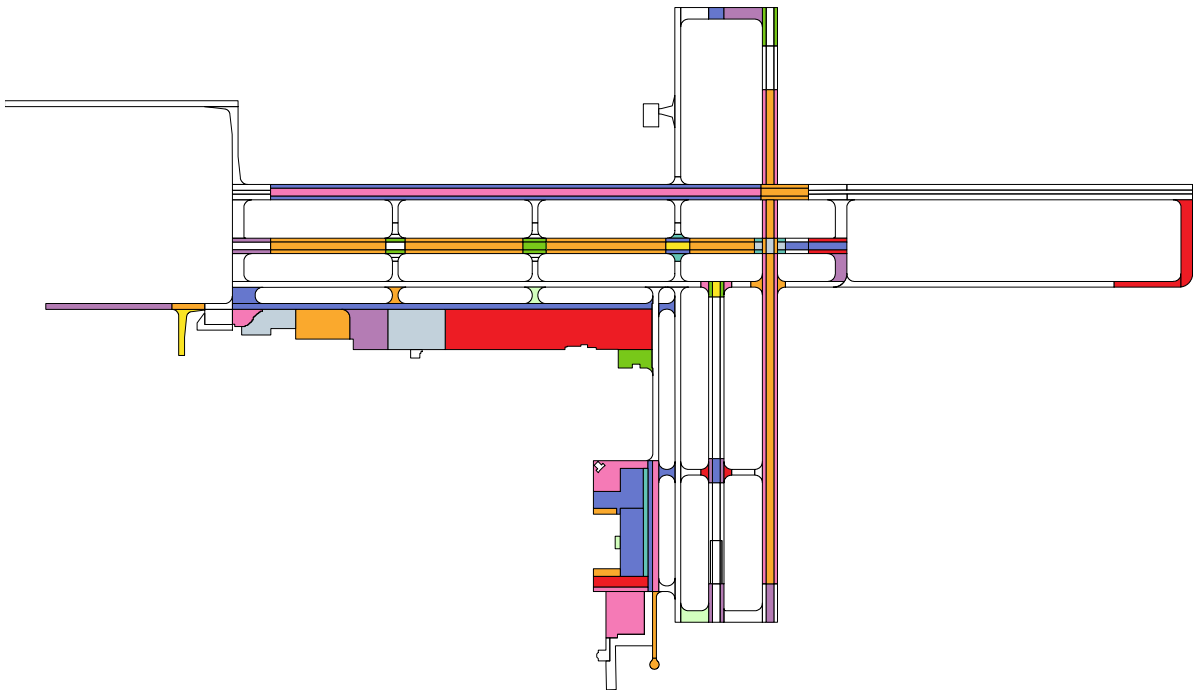
| Program Year | Rehabilitation Cost | Reconstruction Cost | Total Cost (Millions) |
|---|---------------------|---------------------|-----------------------|
| 2021 | \$9.8 | \$13.5 | \$23.3 |
| 2022 | \$8.2 | - | \$8.2 |
| 2023 | \$0.8 | - | \$0.8 |
| 2024 | \$18.4 | - | \$18.4 |
| 2025 | \$1.4 | - | \$1.4 |
| 2026 | \$2.9 | - | \$2.9 |
| 2027 | \$22.3 | - | \$22.3 |
| 2028 | \$1.3 | - | \$1.3 |
| 2029 | \$8.7 | - | \$8.7 |
| 2030 | \$25.1 | - | \$25.1 |
| Total Major Rehabilitation Needs = | | | \$112.4 |

PAVEMENT CONDITION INDEX EXHIBIT



■ Good (86-100) ■ Satisfactory (71-85) ■ Fair (56-70) ■ Poor (41-55) ■ Very Poor (26-40) ■ Serious (11-25) ■ Failed (0-10)

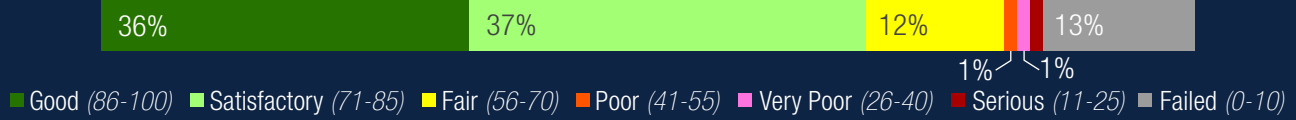
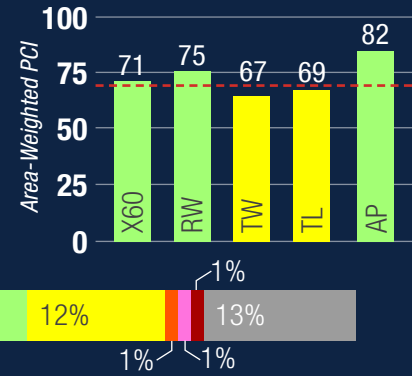
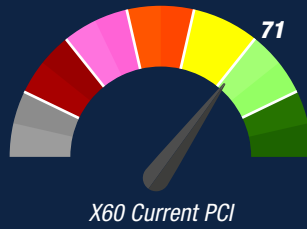
MAJOR REHABILITATION EXHIBIT



■ 2021 ■ 2022 ■ 2023 ■ 2024 ■ 2025 ■ 2026 ■ 2027 ■ 2028 ■ 2029 ■ 2030 ■ 2031 ■ 2032

WILLISTON MUNICIPAL AIRPORT

X60



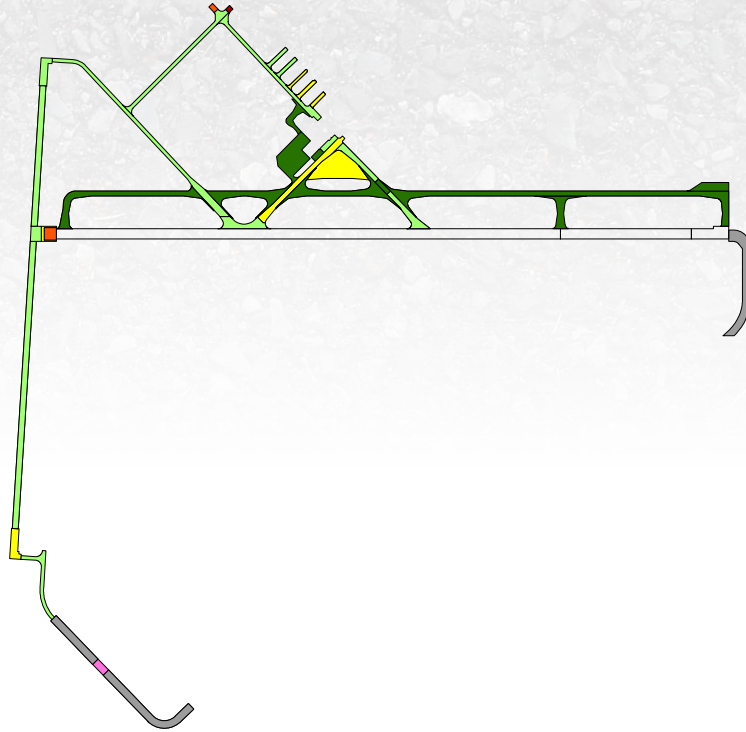
YEAR 1 LOCALIZED MAINTENANCE BY WORK TYPE SUMMARY

| Localized Maintenance Category | Localized Work Type | Rough Estimate of Work Quantity | Work Units | Planning Material Cost |
|---|----------------------------|---------------------------------|------------|------------------------|
| Localized Preventive Maintenance (Total = \$56,230) | Surface Seal | 52,740 | SF | \$39,630 |
| | PCC Joint Seal | 3,088 | LF | \$13,130 |
| | PCC Partial-Depth Patching | 21 | SF | \$3,470 |
| Localized Stopgap Maintenance (Total = \$1,124,760) | AC Crack Sealing | 12,192 | LF | \$48,780 |
| | AC Partial-Depth Patching | 222,984 | SF | \$1,059,190 |
| | AC Full-Depth Patching | 402 | SF | \$4,020 |
| | PCC Crack Sealing | 371 | LF | \$2,610 |
| | PCC Joint Seal | 2,388 | LF | \$10,160 |
| Total Localized Maintenance Needs = | | | | \$1,180,990 |

NETWORK-LEVEL MAJOR REHABILITATION NEEDS (IN MILLIONS)

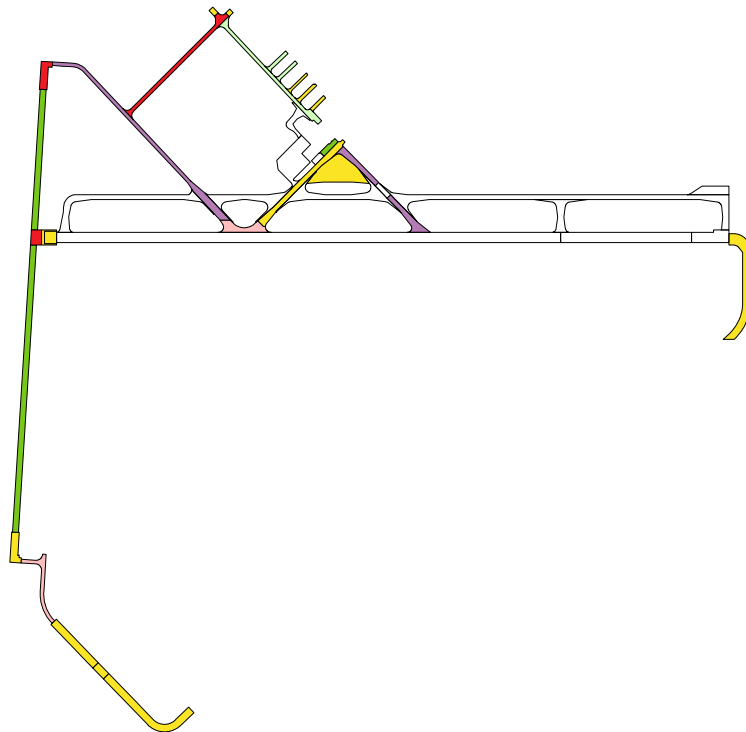
| Program Year | Rehabilitation Cost | Reconstruction Cost | Total Cost (Millions) |
|---|---------------------|---------------------|-----------------------|
| 2023 | \$1.6 | \$5.0 | \$6.6 |
| 2026 | \$2.8 | - | \$2.8 |
| 2028 | \$0.9 | - | \$0.9 |
| 2029 | \$2.0 | - | \$2.0 |
| 2030 | \$1.4 | - | \$1.4 |
| 2032 | \$1.0 | - | \$1.0 |
| Total Major Rehabilitation Needs = | | | \$14.7 |

PAVEMENT CONDITION INDEX EXHIBIT



■ Good (86-100) ■ Satisfactory (71-85) ■ Fair (56-70) ■ Poor (41-55) ■ Very Poor (26-40) ■ Serious (11-25) ■ Failed (0-10)

MAJOR REHABILITATION EXHIBIT



■ 2021 ■ 2022 ■ 2023 ■ 2024 ■ 2025 ■ 2026 ■ 2027 ■ 2028 ■ 2029 ■ 2030 ■ 2031 ■ 2032

