DYNAMIC ANALYSIS TOOL
PAVEMENT MANAGEMENT

InfraSolutions®
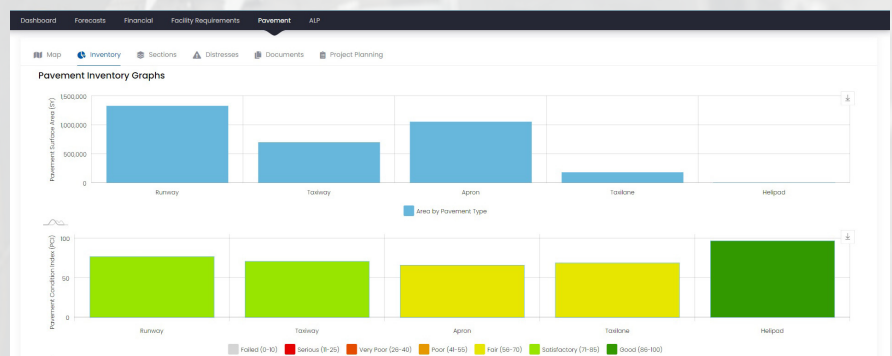*by McFarland Johnson*

BENEFITS

- Easily accessible pavement data
- Scenario-based analysis
- Capital expenditure planning
- Quickly toggles between pavement sections, data and conditions, work history, and more
- View pavement deterioration and estimated repair costs over time

FUNCTIONALITY

- Proactively manage your airport pavement program
- Easily integrated with your Airport Capital Improvement Plan
- Predictive modeling tracks and monitors pavement deterioration
- Organizes pavement construction histories, record plans, and maintenance activities
- Document repository management with up-to-date visuals and reports
- Excellent tool for agency coordination

FEATURES

- Cloud based
- GIS map based on data from Micro-PAVER software
- Can be integrated with the Dynamic Analysis Tool
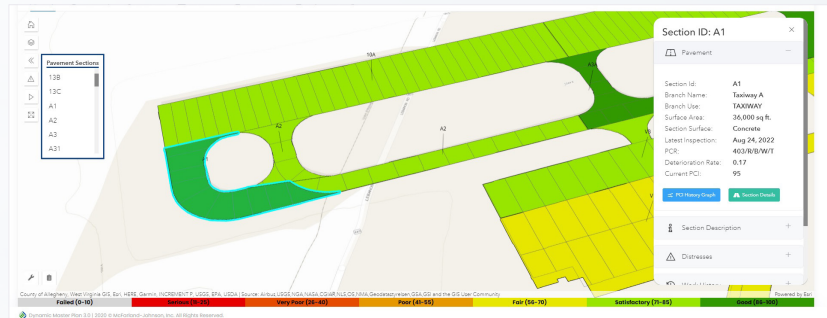- Customizable to meet your airport's needs

The Dynamic Analysis Tool - Pavement Management allows both individual airports and funding agencies to establish priorities and programs to address the required rehabilitation of airfield pavements.

The Dynamic Analysis Tool - Pavement Management combines a GIS interactive map with data collected from a pavement study. Our tool features a customizable pavement inventory of runway, surface area, taxiways, and aprons and will display the current, as well as historical PCI value data.

With pavement data centralized, airport staff can optimize your airport's short- and long-term capital planning initiatives. This is made easier with our Project Planning feature, allowing your airport management to add, remove, and prioritize projects by year and dates to make the best use of funding.

The Pavement Management tool has the ability to adjust costs for inflation rates, allowing your team to more accurately predict the associated costs of delaying projects.

The project planning feature breaks down costs by square foot for preventative, minor, moderate, and major projects and can compare repair costs over time to assist in planning.

The unique ability to toggle individual pavement sections at your airport allows your staff instant access to current and historical information on deterioration rates, pavement conditions, distresses associated with the pavement, work history, notes, and any related photographs or attachments relevant to the related pavement section.

Pavement Inventory by Pavement Type and PCI Rating
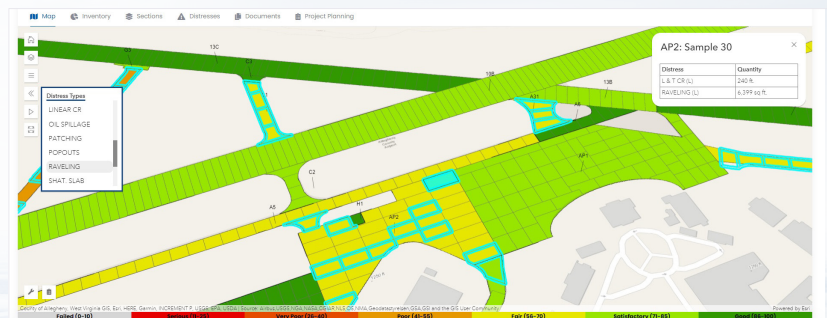
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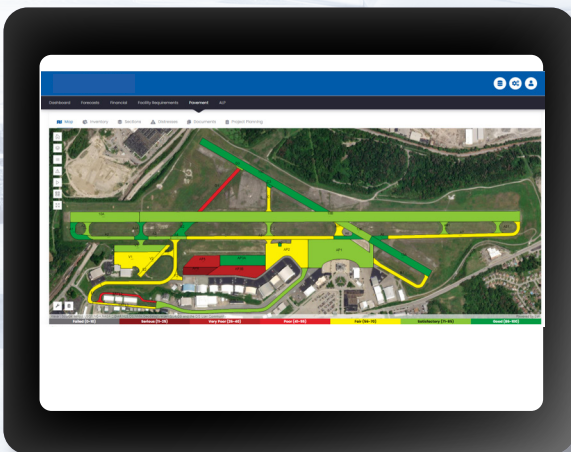### TECHNICAL SPECIFICATIONS

- Version: 2.0
- InfraSolutions Integration
  - Dynamic Analysis Tool
- Cloud-based
- Data hosting via AWS
- Uses Esri-based maps or user-defined sources
- Customizable interface and functionality based on users needs
- Customizable user scenarios based on user input or planning data
- User defined filter and search fields for data access
- Long term support and data maintenance options
- Basic system requirements:
  - High speed internet connection
  - Modern web browser such as *Google Chrome, Microsoft Edge*, or *Mozilla Firefox*
  - McFarland Johnson recommends updating your browser to the latest stable release
  - Your browser must be set to accept cookies

Pavement by Sections provides quick access to data

View pavement sections by distress type

Cloud-based, access anywhere, anytime, on any device.

LEARN MORE ABOUT THIS SOLUTION

Scan the QR Code with your phone's camera or go to: **mjinfrasolutions.com** to view a short demo of this and other Dynamic Analysis Tools.

Other InfraSolutions and Dynamic Analysis Solutions

- Dynamic Analysis Tool
- Land Development
- Predictive Obstruction Analysis
- Statewide System Planning
- Part 139 Inspection Tool
- Visualizations & UAV

CONTACT US

InfraSolutions *by McFarland Johnson*

(615) 887-8546
infrasolutions@mjinc.com
mjinfrasolutions.com