AND PAVEMENT MANAGEMENT







The AVIAS RUMBLE - Pavement Management application allows airports and funding agencies to establish priorities and programs to address the required rehabilitation of airfield pavements.

The AVIAS RUMBLE Pavement

Management application combines the GIS portion of an interactive map with data MJ collects to conduct timely and cost saving pavement studies.

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.

RUMBLE has a customizable pavement inventory of runway, surface area, taxiways, and aprons and will display the current, as well as historical Pavement Condition Index Value data. With the provided data, airport staff will optimize their short- and long-term capital planning initiatives.

This is made easier with our Project Planning feature, built so your airport management can add, remove, and prioritize projects in the years and datas they eas fit. The

dates they see fit. The Project Planning feature breaks down costs by square foot for preventative, minor, moderate, and major projects and can compare repair costs by time if not completed.

RUMBLE has the ability to adjust for inflation rates, so your team will have access to the current costs associated with your project.

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
- Customizable to meet your airport's needs

NAME AND ADDRESS OF TAXABLE	Project Planning								×	
		_						2022 Unit Cost Per Square Foot		
Prieros	E Experter Por					Preventation	AC,	Includes crack sealant and other minor patches	90.50	
tiers	ProjectRame	Year 11	Repair	Funding Source	Durface Ann	PCI 71-85	PCC	Includes remove and reseal concrete joints and other minor patches	90.50	
8	Local - Phase 1 (SON)	2024	LOOM	Lasta	31,550	Miner PCI 58-70	AC	Mill and overlay 2*	\$2.40	
8	Minor - Phase 1 (\$1%)	2024	Mag	AP	\$2,211		POC	Portial cepth repairs	\$4.80	
-	Abolenste - Phase 1 (52%)	3024	Moderate	AP .	114,552	Moderate PCI 41-55	AC	Mill and overlay 4"	\$3.90	
-	Maior - Phase 1 (dRN)	2024 Maiar	Maia	State	115.285		POC	Full depth patches and siab replacements	\$8.25	
	r						AC	Full depth reconstruction	\$12.10	
	+ Add Pavement Project Pavement Project Name:					PCI 0-40	PDC	Full depth reconstruction	\$25.58	
-						Local	AC	includes crack scalant and other minor patches	\$0.50	
=							POC	includes reseal concrete joints and other minor patches	\$0.50	
	12 General Details					Repair casts are estimated applying an inflation rate of 6.0%/year				
=	-			Disclaimer Since more rigorous engineering analysis would be necessary to establish overall project costs, the						
		Pavement Section: Repair: Fund 141A [PCI: 95.0] V Minor V					CP and preventative maintenance costs should only be used as a planning guide in developing the costs associated with parement only work in sty project funding requests. Als advisable to employ a more detailed answits to identify and entitions events project social costs of advisable intermeter.			
_			is to reentify and estimate oversis project scopes and costs that I funding requests. Also of note: the costs in the Xo-Hear CIP are mly and do not include engineering design fees, construction in	o for						

Prioritize projects and adjust for inflation.

AAVEMENT MANAGEMENT



TECHNICAL SPECIFICATIONS



aws

RELIABLE & SCALABLE Hosted on Amazon AWS for industry-leading security, performance, and uptime



CROSS-BROWSER COMPATIBLE Works seamlessly on all modern web browsers—no special setup required

SECURE & ENCRYPTED Protected with HTTPS for safe and reliable data transmission

CLOUD-BASED Access anytime, anywhere with no on-premise installation required



ROBUST STORAGE Backed by Amazon S3 for scalable, durable, and high-performance data management

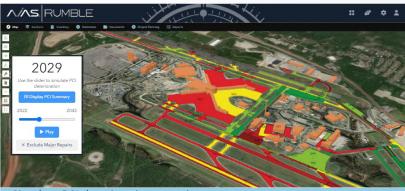


∧/AS RUMBLE

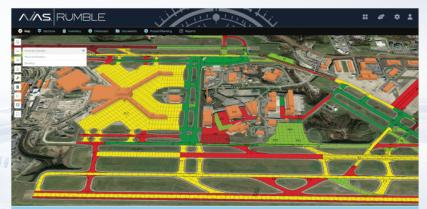
Above Critical PC

POWERED BY ESRI Proven GIS technology for accurate mapping and spatial analysis

MAS.



Simulate PCI deterioration over time



View pavement sections by distress type

LEARN MORE ABOUT AVIAS

Scan the QR Code for an overview video of AVIAS or go to: **mjinfrasolutions.com/AVIAS** to learn more about AVIAS and the full suite of Airport Management Solutions.



AVIAS Suite of Airport Management Applications

- **DAT -** Dynamic Analysis
- AEROCLEAR Obstruction Analysis
- **INSPECT** Airport Inspection & Asset Management
- **SITES -** Land Development
- **RUMBLE -** Pavement Management
- CAPLAN Airport System Planning
- FLOW Terminal Planning

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

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