

Pavement Interlayers Restore Airport Runway and Taxiway Performance



Hutchinson County Airport

Borger, Texas

CHALLENGE

Hutchinson County Airport was experiencing severe reflective cracking across its main runway and taxiway. Because the runway would need to be closed during rehabilitation, engineers required a solution that could be installed quickly while minimizing disruption to airport operations.

SOLUTION

Engineers selected the GlasGrid® System and GlasPave® pavement interlayers for their rapid installation and proven ability to extend pavement maintenance cycles. GlasPave50 mats were installed on the taxiways, while GlasGrid® 8511 reinforced the main runway to accommodate heavier aircraft loads. Trackless tack was applied before paving to complete the system installation.

RESULTS

- Rapid installation helped minimize runway closure during rehabilitation.
- GlasPave50 reinforced the taxiways while GlasGrid® 8511 supported the heavier-duty runway.
- The rehabilitation addressed severe reflective cracking on the airport's runway and taxiway.
- Project performance led the airport to plan installation of GlasGrid on its second runway during the summer of 2022.
- The airport was pleased with the results and planned to install GlasGrid® on its second runway during the summer of 2022.



PROJECT TEAM

Owner/Developer

TXDOT Aviation / Hutchinson County

Engineer

Garver

Contractor

Dunnick Bros. Construction

Installer

Industrial Fabrics, Inc.

Application

Main Runway / Taxiway Mill & Overlay



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