

Runway Pavement Proves Its Longevity with Over 13 Years of Performance



Naples Municipal Airport Runway 5-23 Rehabilitation

Naples, FL

CHALLENGE

Originally constructed during World War II, the runway at Naples Municipal Airport had served Southwest Florida aviation for decades. By 2010, the aging pavement was exhibiting deep reflective cracking and had received a low Pavement Condition Index (PCI) score, signaling the need for rehabilitation.

Airport officials needed a long-term solution that could address existing pavement distress while withstanding South Florida's climate and the limitations of the runway's aging base materials.

SOLUTION

Engineers incorporated Tensar's GlasGrid® 8511 into the rehabilitation design to help mitigate reflective cracking, improve pavement durability, and extend the runway's service life.

The high-strength fiberglass reinforcement system also helps asphalt pavements better withstand the thermal stresses associated with Florida's hot climate, providing a durable rehabilitation solution for this critical airport infrastructure.

RESULTS

More than 13 years after installation, the runway continues to demonstrate the long-term performance of the GlasGrid® System.

- Visual inspections confirmed the runway pavement continues to perform well.
- Long-term performance demonstrates the effectiveness of GlasGrid in extending pavement life.
- Extended the service life of critical airport infrastructure.
- Helped maximize the owner's return on its rehabilitation investment.
- Demonstrated reliable performance under South Florida's demanding climate conditions.

Tensar
CMC

PROJECT TEAM

Owner

City of Naples Airport Authority

Engineer

Kimley-Horn & Associates, Inc.

Contractor

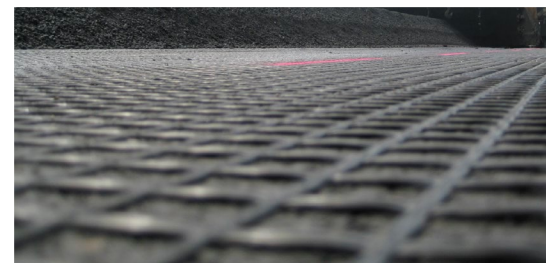
Better Roads, Inc.

Installation Date

Oct. 2010

Product

**GlasGrid 8511
30,000 sq. yds**



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