GlasGrid Delivers Long-Term Performance on New York Roadway

County Route 41

Farmington, NY

CHALLENGE

Prior rehabilitation work had corrected a failed section of County Route 41, but the rebuilt pavement experienced significant settlement soon after construction. Surface water began collecting in the wheel paths, creating safety concerns and requiring a mill-and-fill operation to restore the roadway's cross slope.

SOLUTION

During the mill-and-fill rehabilitation, engineers installed a full-width asphalt overlay reinforced with GlasGrid® 8502. The reinforcement was placed over the two longitudinal construction joints to help control reflective cracking and improve long-term pavement performance.

RESULTS

- Unreinforced paving joints showed separation, while GlasGrid-reinforced joints continued to perform well.
- By 2016, separation was observed only along the unreinforced paving joint.
- Transverse cracks remained localized near the pavement edge and generally terminated before reaching the GlasGrid reinforcement.
- Few, if any, transverse cracks extended across the full pavement width.
- Demonstrated the long-term effectiveness of GlasGrid® reinforcement in reducing reflective cracking and extending pavement performance.

Tensar
CMC

PROJECT TEAM

Owner/Developer
Ontario County Public Works

Project Engineer
Timothy McElligott

Distributor
RAMSCO

Installation Date
Oct 2009

Product
GlasGrid 8502

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