



When fabric fails, InterAx solution saves owner considerable time and money.

CLIENT'S CHALLENGE

This project had been on a tight budget since it began in Spring 2023. The site was originally stabilized with a woven fabric and a 4" crushed rock section. The section failed in the Spring of 2024 when it encountered heavy rains and construction traffic. The Owner and Contractor needed a reliable solution that would fix the problem before they could begin paving the building aprons. Given the previous failure, it was important that the solution save them on added construction costs. The owner was considering a geogrid and a chemical solution.

TENSAR SOLUTION

Tensor was called to give an alternate section design for the owner. DCP testing of the fat, expansive clay resulted in a design CBR of 1.5%. The Tensor design consisted of a 6" PCC pavement over a 7" aggregate section with an NX850 geogrid based upon the subgrade modulus. Tensor and Coleman Moore put together a submittal for the Contractor to present to the Owner. The Owner saved \$30,000 on a smaller sized apron job vs the chemical stabilization. Construction time was also saved since Lenox, IA continued to receive moisture, which would have prolonged the chemical option. Aggregate trucks continue to rut the larger site where the fabric is installed, however, rutting is not present in the geogrid stabilized areas.



AgriVision Equipment

Lenox, IA

AgriVision Equipment
Owner

Installation: June 2024
Product: InterAx NX850 geogrid

Value: Considerable time and \$30,000 saved compared to chemical stabilization solution.

