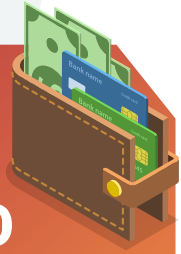


PROJECT SPOTLIGHT


Lake Avenue

Buffalo, NY

The Erie County Department of Public Works (DPW) had to completely reconstruct nearly 2 miles of Lake Avenue located just outside Buffalo. This road, originally constructed in the 1970s, had poor subbase materials and subgrade drainage that led to degraded asphalt. Erie County has very thick standard pavement sections and they wanted to avoid deep undercuts for this project. A Tensar geogrid design was proposed to address the issues of soft subgrades and optimize the pavement design. The base layer of geogrid was used to stabilize these very soft soils and helped the county avoid expensive and time-consuming excavation and removal costs. The upper layer of geogrid helped reduce the overall pavement section thickness and provided an extended life expectancy of the road. Costs were reduced




**COSTS
REDUCED
APPROX.
\$1 MILLION**




by approximately \$1 million compared to traditional construction methods. The Erie County DPW won the 2015 Transportation Project of the Year award given by the American Public Works Association.

As of February of 2022, the asphalt still looks like new after nearly six years of extremely harsh winters and it hasn't been resurfaced once. The Lake Avenue project in Orchard Park, New York is a great example of both the cost savings and resiliency pavement designers can expect with geogrid stabilization.



Lake Ave. before construction in 2015



Lake Ave. seven years post-construction