



Trenton Streets Trenton, Michigan

Geoturf® H2400 High Strength Geotextile Used for Soft Soil Reinforcement

Some of the older Trenton streets were heavily rutted and exhibited extensive cracking, indicating aggregate base failure. Old asphalt and base needed to be removed and a new subbase and concrete or asphalt layers laid down. Those streets in the worst conditions were near the Detroit River where soft soil problems were common.

The design included an eight ounce non-woven separator fabric to separate the soil and aggregate for most streets. However, those areas with soft soils were designed with a biaxial Tensar BX1100 Geogrid to reinforce the aggregate base. Instead, a Geoturf® H2400 High Strength Fabric was value engineered and subsequently approved by the engineer and the City of Trenton and used successfully throughout the project for aggregate reinforcement.

The product was selected not only for its considerable strength, but also for its separation properties. In addition, the H2400 fabric provided an equivalent solution at a much lower cost.



Project Report:

Name: 2003 Trenton Streets
Location: Trenton, Michigan
Products: High Strength Geotextile H2400
Contractor: DeAngelis Construction
Owner: City of Trenton
Engineer: City of Trenton/Charles Raines