



Earth Technologies, Inc.



TENSAR GEOGRID CASE STUDY

- Project:** Galveston Causeway I-45
- Location:** Galveston, TX
- Installation Date:** Summer 2005
- Owner:** Texas Department of Transportation
- Contractor:** Traylor Brothers
- Engineer:** The Collin Group
- Product:** Tensar BX 1500
- Quantity:** 150,000 SY
- Application:** Load Transfer Platform

Project Notes:

Original design called for drilled piers to support bridge abutments on either side of the Causeway. Problems ensued during construction with excavations caving in. Abutment foundation redesigned to incorporate driven piles capped by a Tensar Load Transfer Platform (LTP). LTP consists of 3 layers of Tensar BX1500 reinforcement within a compacted granular fill. This geogrid composite was used to create a stiffened platform to mitigate deflection between the piles.

