



TriAx[®]

Shiprock, New Mexico

PROJECT

US 491

LOCATION

Shiprock, New Mexico

PRODUCT

TriAx[®] TX140

QUANTITY

76,000 square yards

OWNER

New Mexico Department of Transportation

CONTRACTOR

Skanska USA

ENGINEER

New Mexico Department of Transportation-
Pavement Design

INSTALLATION DATE

August 2010

PROJECT DETAILS

The US 491 projects between Gallup and Shiprock is part of a massive improvement project. During the course of US 491 Project Segment 8, milepost 67.7 to 75.0, we encountered a very saturated material that was unable to meet NMDOT compaction specifications. Since the saturated and unstable section was not found during the initial geotechnical investigation, it caused the NMDOT Geotechnical Manager and CONTECH Construction to make a quick adjustment in the field and develop a solution. Removal and replacement was too costly and time consuming so all parties agreed to bridge the soft, wet sub-grade with Tensar TriAx Geogrid and keep the contractor working. The 2 layers of TriAx were installed with 6 inches of base course on each layer in a matter of days. So far the TriAx 140 Geogrid is providing a solid section and the department compaction specification was met. The contractor was able to stay on schedule and the sections were ready to be paved within the next couple of days.



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