

TriAx[®]

Wisconsin Rapids, WI

PROJECT

Wood County Trunk Highway D

LOCATION

Wisconsin Rapids, WI

PRODUCT

TriAx[®] TX160 Geogrid

QUANTITY

32,000 square yards

OWNER

Wood County Highway Department

CIVIL ENGINEER

Quest Civil Engineers

INSTALLATION DATE

August 2010

PROJECT DETAILS

Wood CTH D is an agricultural trunk highway in the heart of the cranberry bog area in central Wisconsin. The site photos represent the challenges confronting the pavement design for this project. The design included removing the peat soils in the widened portion of the roadway, but not the peat layer located 3'-5' below the existing roadway embankment. The fill placed became completely saturated as a result of the high ground water in the adjacent peat bogs. TX160 Geogrid was placed on a subgrade with an estimated CBR of 1.2%. The bottom photo shows how the TX160 Geogrid and 10" aggregate base was able to stabilize this weak subgrade for future paving. The design consultant and Wood County were very pleased with the performance considering the site conditions. A 27" aggregate layer would have been required if TX160 Geogrid had not been used on this project. This thicker aggregate layer would have required additional WDNR permitting for additional wetland encroachments.



Tensar[®]

Tensar International Corporation
2500 Northwinds Parkway
Suite 500
Alpharetta, GA 30009
800-TENSAR-1
tensarcorp.com

Distributed by:

GSI
2401 Pewaukee Rd
Waukesha, WI 53188
(800) 444-5523

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