Geogrid Demonstration Project
Divide County, North Dakota

31st Local Roads Conference
October 20, 2016 – Rapid City

Bryan Haugenoe, Divide County Road Superintendent
Curt Glasoe, NDLTAP Western Technical Expert

North Dakota Local Technical Assistance Program
Bruce Sortland, the Divide County blade operator that takes care of the site for the demo project described the site - "The roadway is the worst in the County - foundation problems, so it's impossible to fix it with a blade."
Divide County and NDLTAP have a learning opportunity you don’t want to miss.

On Tuesday, October 13th NDLTAP and Divide County will team up to provide a Roadway Foundation Demonstration Workshop. Bryan Haugenoe’s Divide County road crew will rip up a 500’ section of roadway next to their shop and build a solid roadway foundation with geogrid and gravel that will stand the test of time.

The day will start off with a brief classroom review of roadway design options then move into the field for a real world project exercise. The day will wrap up with a brain-storming session- we’ll share ideas on how geogrids can solve foundation failures. Scott Whaley, PE, Tensar, will be on site to help walk us through the design and installation process. Curt Glacee, PE/PLS, NDLTAP’s Western ND Technical Representative, will show how to take the design and translate that to a real world design layout. Cory Urbich, NDLTAP’s Motor Grader Operator instructor, will lead the field crew’s operation...
DCP TEST DATA

Project: Divide County Test Section
Location: Test 2 - South Side Shoulder

Date: 27-Aug-15
Soil Type(s): Type in the soil type

No. of Blows | Accumulative Penetration (mm) | Type of Hammer
---|---|---
1 | 100 | 1
1 | 210 | 1
1 | 342 | 1
1 | 403 | 1
1 | 472 | 1
1 | 535 | 1
1 | 602 | 1
1 | 695 | 1
1 | 755 | 1

Graph showing CBR vs Depth in mm.
Roadway Success!!
October 2016