Primary Geohazards for Road Infrastructure





WWW.GEOSTABILIZATION.COM





Launched Nails

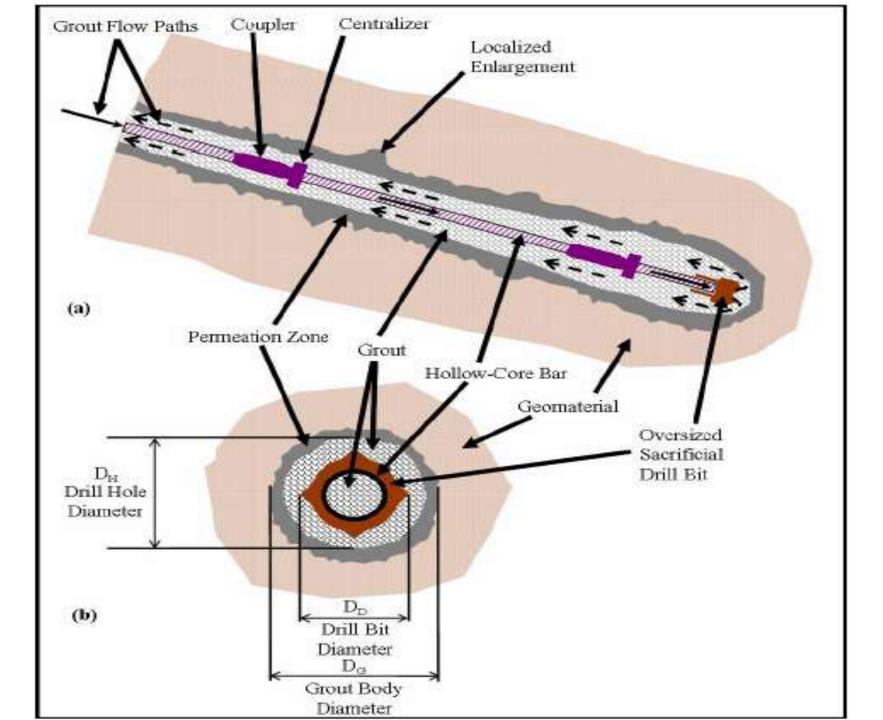
Landslide

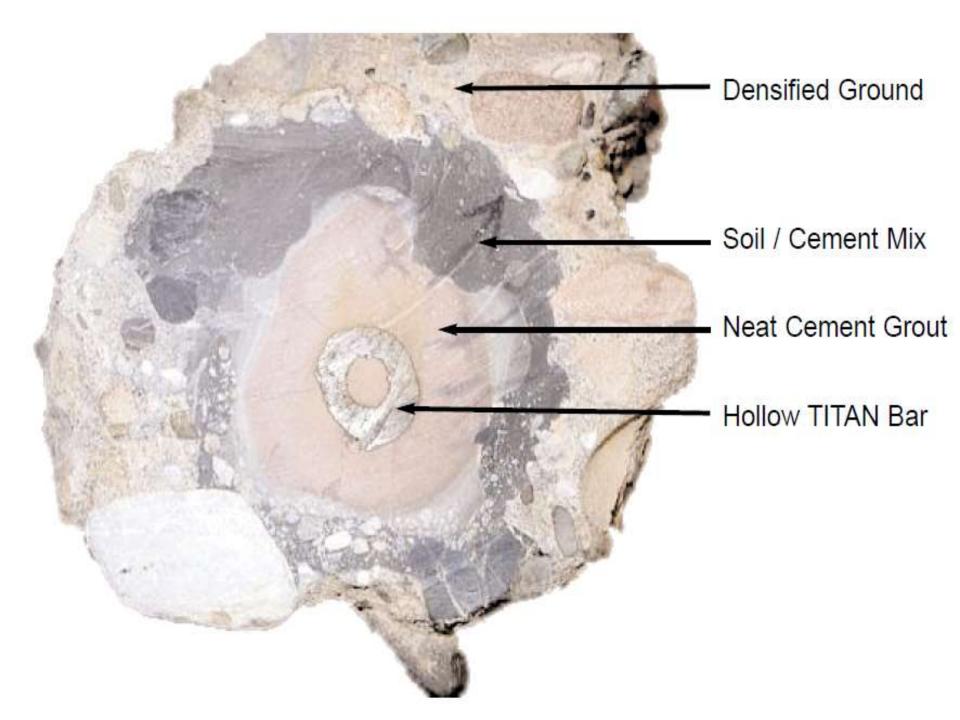


SUMMIT COUNTY, OHIO

- 2004 7 slides
 - \$400,000 vs. \$3,000,000 traditional fix
- Fixed 15 slides in 2004, 2005 & 2007







ODOT District 4





















05/30/2008

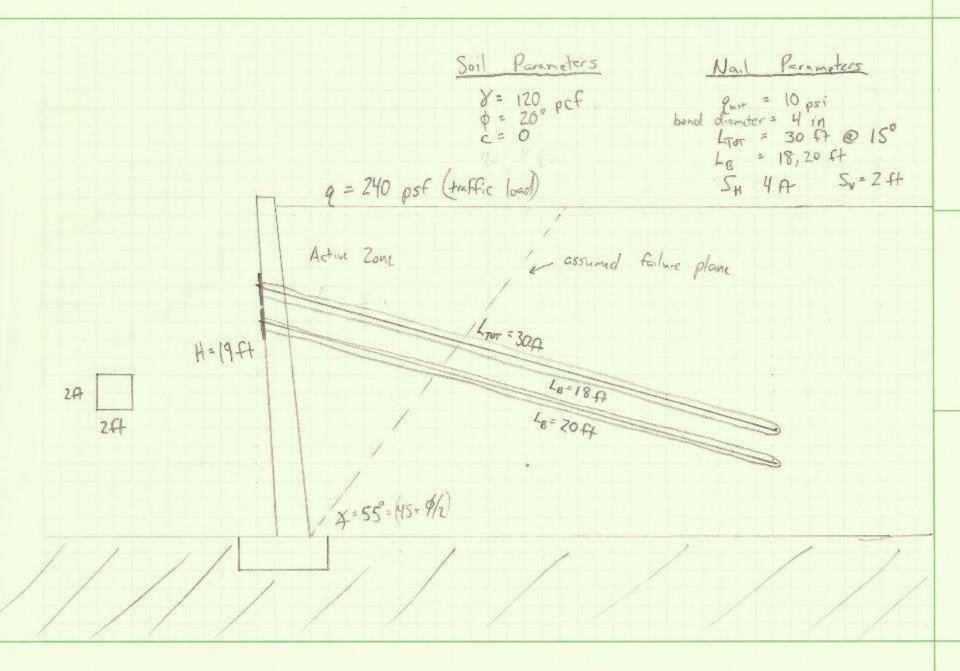
18.25





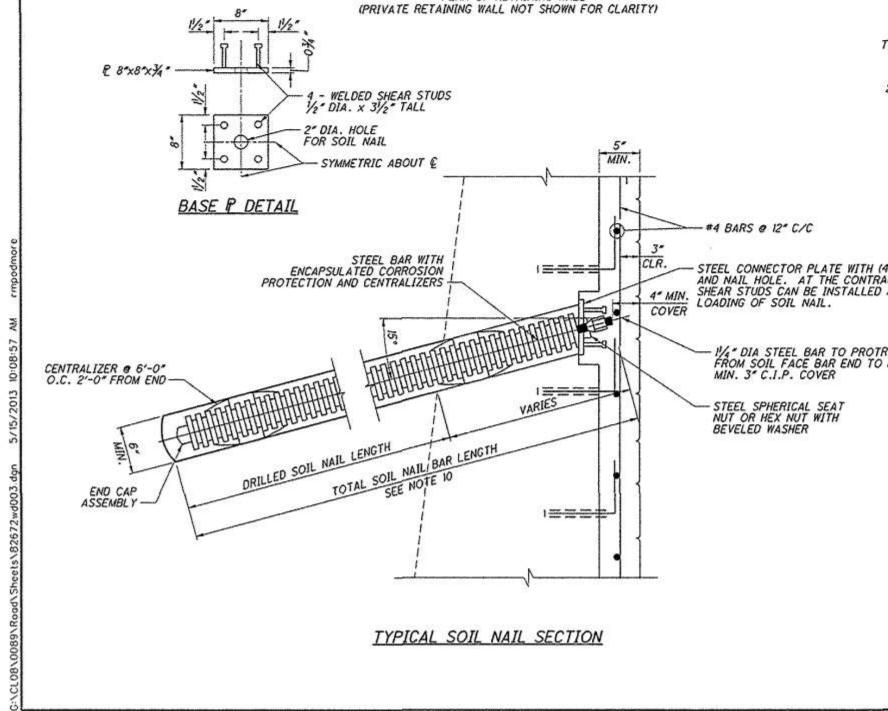
STAEDTLER' No

No. 937 811E Engineer's Computation Pad









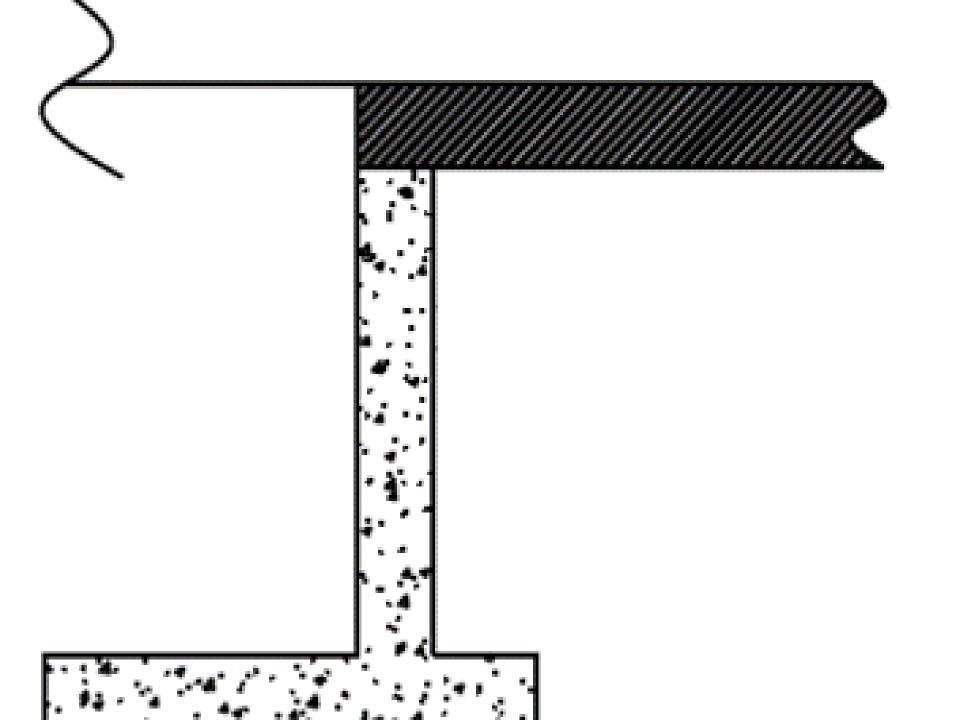


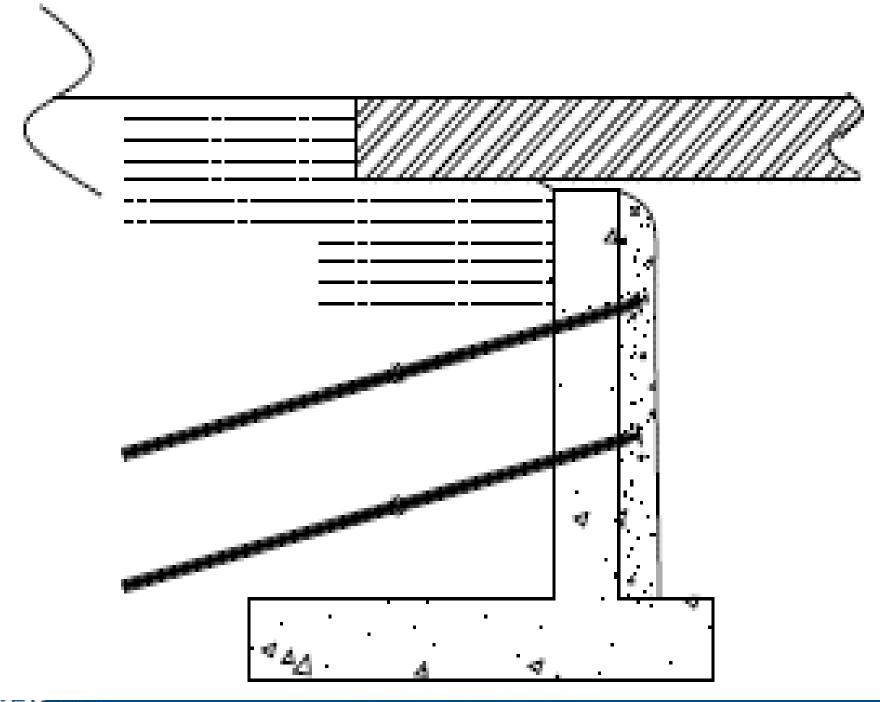


Oregon - Jefferson Marion Bridge Repair No reinforcement in upper levels



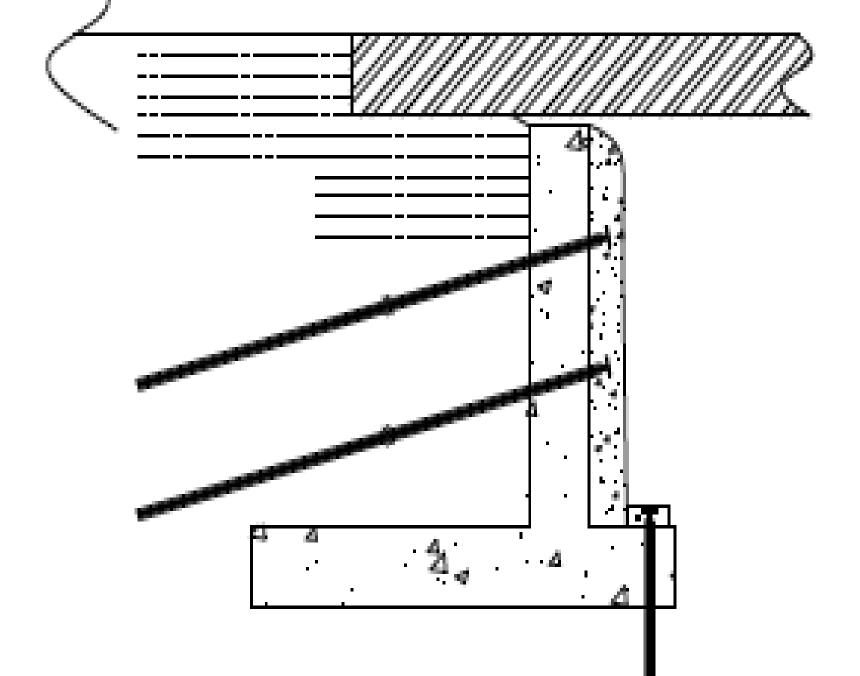




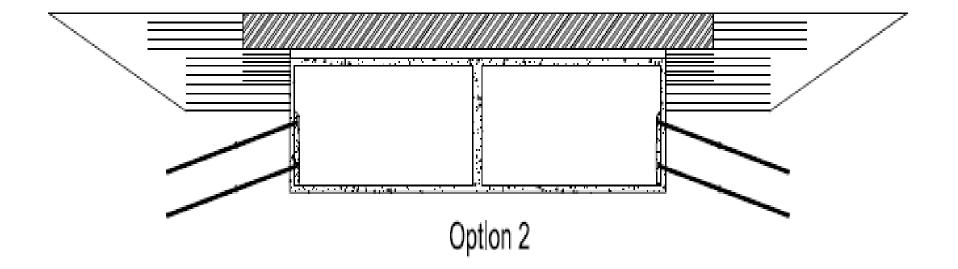


Limited Access Drilling

Terreter







COLORADO DOT GCS DEMO WITH

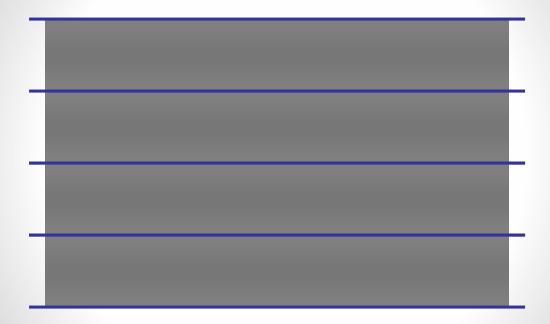
BEDSHEETS??

8 INCH SPACING

3400 lbs sq ft



Spacing Controls PerformanceNot Strength of the Inclusion

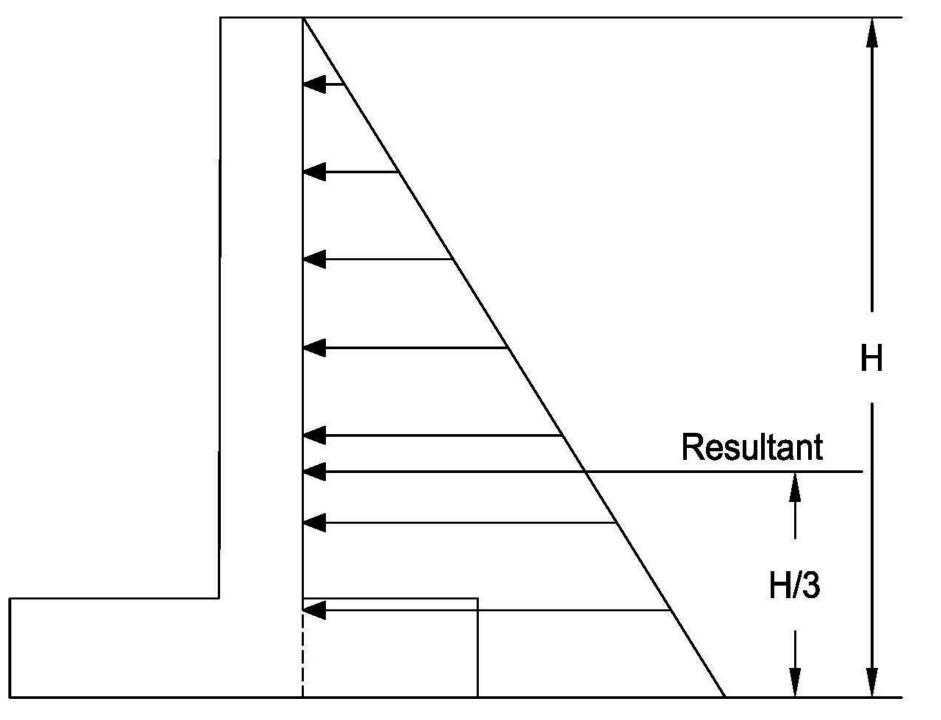


BASED ON NCHRP REPORT 556



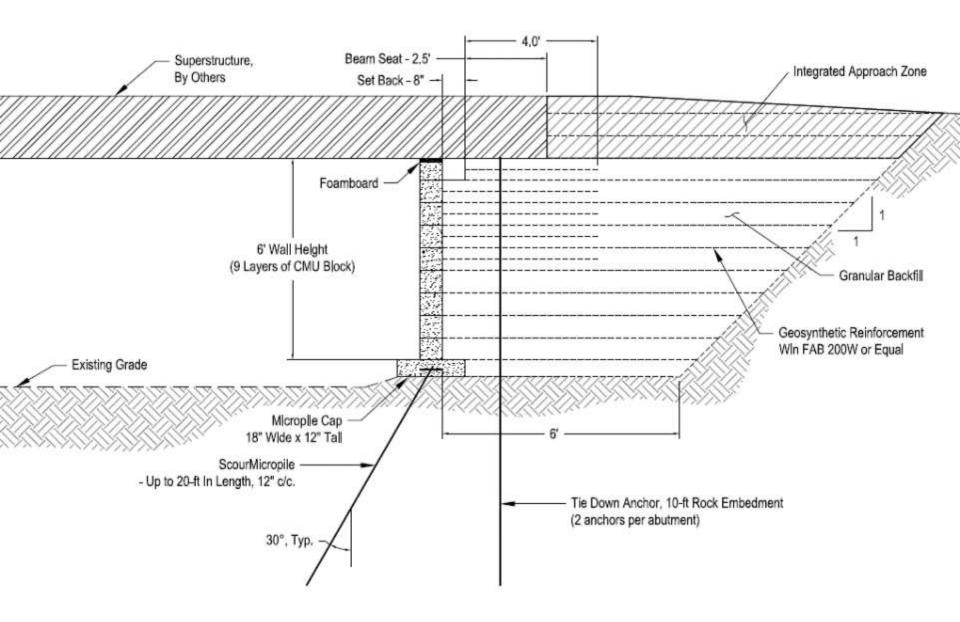


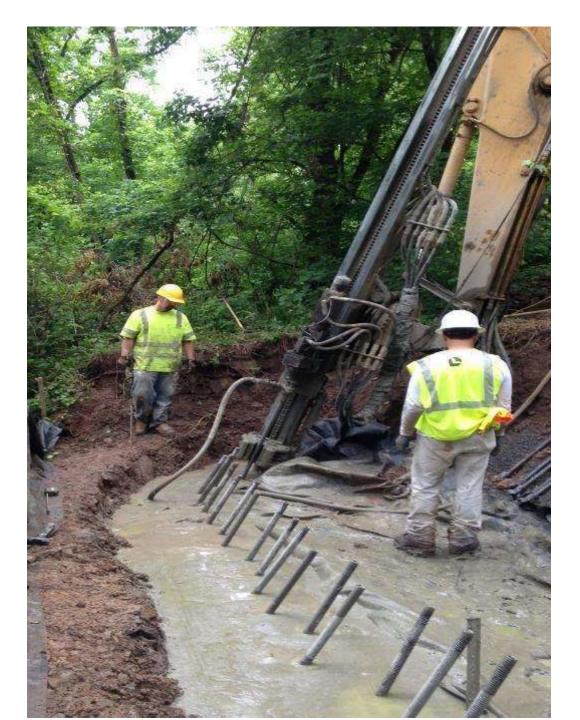






















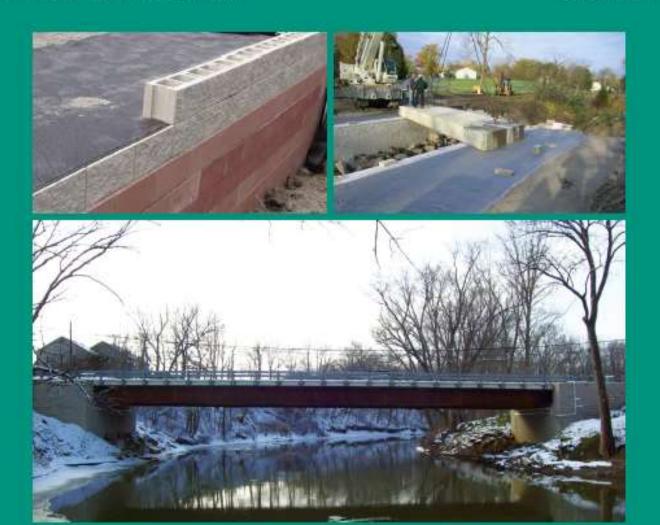
30 BRIDGES ON GCS™ ABUTMENTS DEFIANCE COUNTY, OHIO DESIGNED WITH CRITERIA PROVIDED IN NCHRP REPORT 556 & FHWA



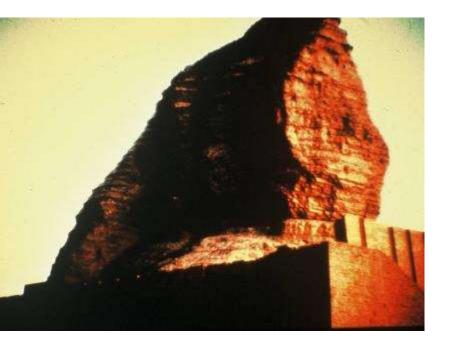
Geosynthetic Reinforced Soil Integrated Bridge System Interim Implementation Guide

PUBLICATION NO. FHWA-HRT-11-026

JANUARY 2011



3000 Years of Use





Agar-Quf Ziggurat (Iraq) 1000 B.C.

Great Wall – Western Desert – Ming Dynasty (1368 – 1644)

The ancients have stolen all of our great ideas!

- Mark Twain