



The GeoRidge News

A Regular Newsletter for GeoRidge distributors and dealers

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GeoRidge Installed on I-94 in Michigan

High storm water volume and no established vegetation combined to cause heavy erosion in a 250 foot section of drainage ditches along the south side of this a section of heavily traveled I-94 near Lawrence, Michigan.

The high storm water volume and velocity were due to runoff concentrated from a highway overpass embankment directly upstream, and the erosion was compounded by the sandy soil at the site.



The solution required reducing the water velocity in the ditch, protecting the soil from further erosion and allowing vegetation to establish, and reinforcing the vegetation once it establishes. GeoRidge, the original, patented ditch berm, and an appropriate Turf Reinforcement Mat were utilized together to protect the soil from further erosion and to allow vegetation to establish. CSI/Geoturf, the GeoRidge distributor in Michigan, worked with the Michigan Department of Transportation on the I-94 project. (Thank you to Dan Smith of CSI/Geoturf for providing the excellent photos and text for the case study.)



Although not a typical application (no erosion control blanket was used), GeoRidge was installed here to aid in the reduction of channel erosion that had already started. The GeoRidge has not been undermined and the installer is happy with the sediment that is being prevented from going downstream.



G'Day Mate!- GeoRidge to Australia

Nilex Corporation would like to welcome Maccaferri Pty. LTD. to the GeoRidge network. Maccaferri is the official GeoRidge distributor for Australia and they have nine offices located throughout the country to support distribution.

Nilex and Maccaferri also have

worked with Morse, McVery, & Associates Pty. Ltd. to have GeoRidge included into the New South Wales Erosion and Sediment Control Guidelines. The publication will be released in 4th quarter 2003.

Welcome Aboard!



GeoRidge installed on Blanket Strips



Larimer County, Colorado, installed GeoRidge in the road side ditch of CO Highway 5. As they didn't want to place erosion control blanket (ECB) in the entire channel, ECB strips were placed under the GeoRidge. The strips were ~ 3 foot wide. Blown and crimped straw was placed in areas not covered by GeoRidge and ECB's.



What's New...



FHWA, GeoRidge & Chitosan

The Federal Highway Administration (FHWA) is currently drafting a request for proposal for a chitosan best management practices guidelines. Chitosan is a natural biopolymer derived from crab and shrimp shells. In turbid water, chitosan causes coagulation of sediment particles which then allows for gravity settling, biofiltration, sand filtration, or cartridge filtration.

Nilex has been working with the FHWA and the GeoRidge / chitosan combination included in the BMP guidelines. A picture of the GeoRidge and Natural Site Solutions Gel-Floc is shown above.

Request for GeoRidge Installation Photographs

If you have any GeoRidge photos, either digital files or photo prints, that you would be willing to share with Nilex Corporation, please let us know. We are always looking for new photos to share with distributors and customers.

Various GeoRidge Installations



Highway 32 – Alberta, Canada



E-470 Off Ramp – Colorado
Installed on coconut and straw coconut blanket



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