

**CARMEN, AGUSAN DEL NORTE**  
**AGUSAN DEL NORTE, REGION XIII, PHILIPPINES****Slope Protection****Problem**

The municipality of Carmen, in the province of Agusan del Norte in Mindanao, is a popular destination for tourists because of its numerous tourist attractions and friendly locals. Travelers are drawn to this place for its natural beauty and breathtaking views. However, certain road sections are prone to slope erosion and rockfall hazards.

One of the challenges that must be addressed is the elimination of surface erosion and the protection of the site against abrupt drawdown through the use of simple but effective solutions.

**Solution**

Maccaferri ensures our solutions' reliability, effectiveness, and sustainability. The installation of Maccaferri's Active Rockfall Protection System mitigates the potential hazard of soil erosion and falling boulders, ensuring the safety and security of the infrastructure and the people.

The Steelgrid® HR System combines a patented high strength steel wire mesh geocomposite which is used in conjunction with anchor plates, specific U-bolts and mesh connectors. Steelgrid® HR is a breakthrough in composite mesh technology offering high stiffness: high tensile strength at low strain and high punch resistance with low deformation.

Installing rockfall mitigation systems on steep rock slopes in remote areas can be challenging, which is why we make our systems simple to install, robust, and effective. Our solutions improve soil resistance to erosion by providing an environment conducive to vegetation growth. Furthermore, our solutions are tested and certified in accordance with the latest standards using state-of-the-art modelling software and techniques.

**Client:** Department of Public Works & Highways

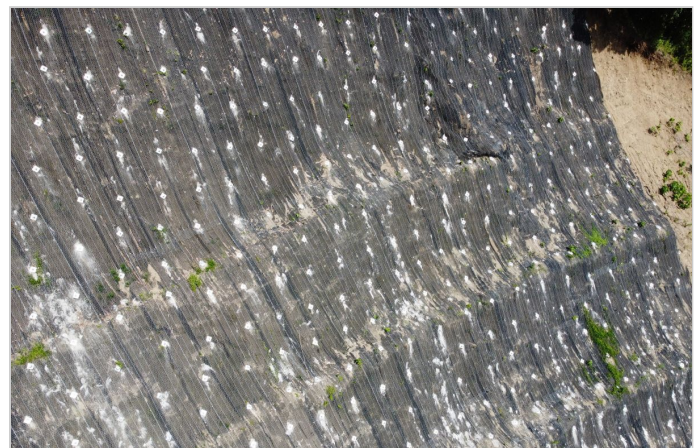
**Designer / Consultant:** Department of Public Works & Highways

**Contractor:** Equi-Parco Construction / Anglionto Construc

**Products used (Qty.)**

- Steelgrid HR n/a

**Date of construction:** 04/2020 - 02/2021

**Completed****Completed**





Completed



Completed



Completed