

ROAD STABILIZATION IN TOTONICANAPÁ

TOTONICAPÁN - TOTONICAPÁN - Guatemala



TYPE OF PROJECT
**Reinforced Soil Walls And
Slope Reinforcement**

YEAR OF CONSTRUCTION
2023

CLIENT
**FREDI DANILO SANDOVAL
FIGUEROA**

CONTRACTOR
**FREDI DANILO SANDOVAL
FIGUEROA**

DESIGNER
PARTICULAR

PROD. RELATED

TerraMesh (889 Pcs), Gabions (210 Pcs), MonoAxial GeoGrids (43160 Sqm), Nonwoven Geotextiles (6080 Sqm), Drainage Geocomposites (780 Sqm)

Challenge

The containment project located in Totonicapán is a vital initiative directly benefiting the municipality and the departments of Quetzaltenango and Santa Cruz del Quiché. The Terramesh system with MacGrid WG mono-oriented geogrids was utilized to address the

erosion issue along the main road connecting five communities. With a height of 48 meters, the project was necessary due to significant erosion affecting the road, posing a threat to the community.



Site of the project



Starting of construction

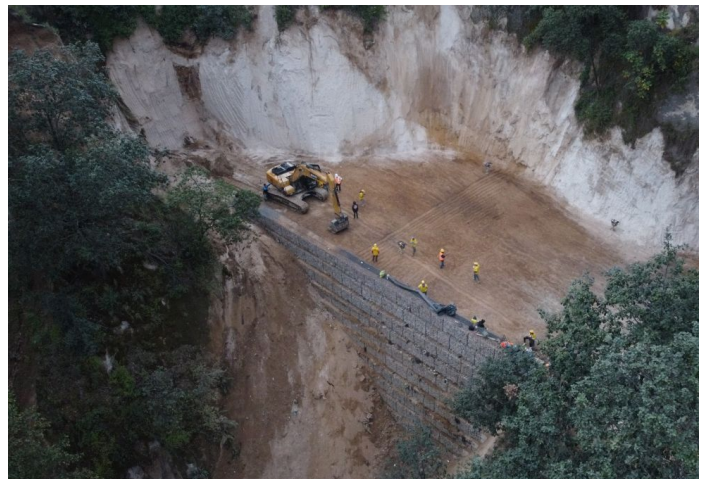
Solution

The use of mono-oriented MacGrid WG geogrids integrated into the Terramesh system offers a superior technical solution for the containment project in Totonicapán. These geogrids provide high tensile strength in one direction, ensuring efficient and durable soil erosion control. Integration into the Terramesh

system reinforces the structure, enhancing its load-bearing capacity and stability. This optimized solution ensures the safety and connectivity of the main road, effectively benefiting neighboring communities and departments.



During construction



During construction - 2



Technical Design



OPEN GOOGLE MAPS



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