05 BRIDGE OVER THE GASORY STREAM

ABUTMENT AND CHANNEL PROTECTION

PROJECT CASE · PARAGUAY



Under way: the abutment already protected and the mattress being placed at the foot of the piers

860
M² OF COVERAGE

AB400
100 MM THICK

2 axes
CABLES IN BOTH DIRECTIONS

The challenge: scour of the bed and the abutments is the main cause of bridge collapse. On the Gasory stream, the flow concentrated under the deck demanded continuous protection of the bed and the approach slopes.

The solution: mattress **HYDROTEX® AB400 Articulated Block** with reinforcing cables **in both directions**, the configuration of maximum structural integrity: the mattress works as a continuous anchored blanket that articulates on any axis without losing the connection between blocks.

Why in both directions: under a bridge the water swirls and pulls in every direction. With cables in both directions, the mattress is tied in every direction and covers the whole bed without any panel coming loose.



Texture of the AB400 mattress just filled



The protected abutment under the bridge, seen from the streambed

PROJECT FILE

Project	Gasory stream bridge protection
Location	Paso Yobái, Guairá (road to Colonia Independencia)
Product	HYDROTEX® AB400 Articulated Block
Area	860 m²
Reinforcement	Cables in both directions
Year	2024