

05 BRIDGE OVER THE GASORY STREAM

ABUTMENT AND CHANNEL PROTECTION

PROJECT CASE · PARAGUAY



Overall view — abutment and channel protected under the bridge

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 vortices generate multidirectional drag; the double cable layout spreads those stresses and removes the risk of panels being torn loose.



Bridge pier protection — built with the same system



Texture of the AB400 mattress just filled

PROJECT FILE

Project	Gasory stream bridge protection
Product	HYDROTEX® AB400 Articulated Block
Area	860 m ²
Reinforcement	Cables in both directions
Year	2024