MACCAFERRI

CASE HISTORY

Rev: 1, Issue Date 19.12.2023

BRIDGE AT FT136/079/14 AT KULIM, KEDAH

KULIM, KEDAH, MALAYSIA

Longitudinal Protection

Problem

The abutment of a bridge at Kuala Ketil, has been under heavy scouring over the years due to high velocity water flow. Further scouring would affect the structural integrity of bridge piers and expose the pilecaps. Reno Mattress has been proposed as a surface erosion control to protect the abutment.

Solution

A layer of Reno Mattress with Polimac coating was installed on the abutment and riverbank surface. During high tide and heavy runoff seasons, the reno mattress provides a surface stabilisation control on the installed area.

Client: JKR

Designer / Consultant: Perunding Asas

Contractor: Innokoperat Sdn Bhd

Products used (Qty.)

- Reno Mattress Plus	Reno Mattress (500pcs)
- Gabions	Gabion (150pcs)
- Terramesh	Terramesh (98pcs)

Date of construction: 04/2018 - 04/2019

Google Maps Google Earth



Reno Mattress on Riverbank surface.



Reno Mattress on Riverbank surface.



Reno Mattress on Riverbank surface.

Maccaferri (Malaysia) Sdn. Bhd.
Unit 511, Block G, Phileo Damansara 1, No. 9, Jalan 16/11, Off Jalan Damansara, 46350
Petaling Jaya, Selangor Darul Ehsan, Malaysia
T: +60 3 7955 7800
E: info.my@maccaferri.com