

SLOPE EROSION PROTECTION AT KELANTAN, MALAYSIA
GUA MUSANG, KELANTAN, MALAYSIA

Slope Protection

Problem

The Jabatan Kerja Raya (JKR) authorities decided to build a new road from Simpang Pulai - Lojing - Gua Musang - Kuala Berang. During the construction, cutting of the hill was necessary to gain the road's design width. The slope was stabilized with soil nailing. Due to steep angle and heavy downpour, the slope surface was prone to erosive activities.

Solution

In order to solve the problem, Reinforced Enkamat was proposed and subsequently selected. It was the preferred solution due to its engineering ability in reducing surface runoff. It also helps to enhance vegetation, thus holding soil particles during vegetation growth. The combination of Reinforced Enkamat and vegetation acted as a thick blanket to prevent surface erosion. Additionally, it brings green life to the original slope where grass can re-grow. The economical benefit and ease of installation shows that Reinforced Enkamat stands out from the rest; and the end result bring out the effects as a natural and green slope without compromising its duty in engineering application.

Client: Public Works Department Simpang Pulai

Designer / Consultant: EMINEA ENGINEERING SERVICES SDN BHD

Contractor: KONSORTIUM PRIMERCON MATANG SELATAN SB

Products used (Qty.)

- MacMat HS 20,000 M2

Date of construction: 05/2005 - 10/2005



During Construction



During Construction



after construction