

LANDSLIDE REHABILITATION SP. TUAN - MERLUNG ROAD MERLUNG, JAMBI, INDONESIA

SOIL REINFORCEMENT

Product: TERRAMESH SYSTEM

Problem

Sp. Tuan - Merlung Road is one of national road i.e Sumatera east cross road at Province of Jambi. The landslide occur on a slope of road. The characteristic of soil mostly Clay. High rainfall in location cause saturation process on soil then increasing pore water pressure and occur instability of slope. This problem need landslide rehabilitation with suitable method.

Solution

Maccaferri Terramesh System as a flexible structure can provide solution for the problems. Reinforced embankment structure is able to reconstructed the landslide location and widening the road with the steep slope. Terramesh system with permeable facing in the form of gabion and with the using of Mactex as filter is capable to provide solutions for drainage problems which commonly occur and to prevent the accumulation of saturation without losing soil grain. Characteristic of a flexible structure is capable of delivering more tolerance for differential settlement comparing with rigid structure. The availability of materials, easy installation and the possibility of using local manpower will increase the effectiveness and productivity of the construction work. Terramesh system is a permanent structure and able to achieve a design life of 60 years.



Before construction



During construction



End of construction

Client:

MINISTRY OF PUBLIC WORK

Main contractor:

HUTAMA KARYA

Designer:

CORE TEAM, P2JJ

Products used:

TERRAMESH SYSTEM

Date of construction:

APRIL 2011

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