MACCAFERRI

CASE HISTORY

Rev: 1, Issue Date 18.12.2024

KAJANG SILK HIGHWAY ROCK SLOPE PROTECTION

KAJANG SILK, ASEAN, MALAYSIA

Surface Strengthening and Support

Problem

A vertically cut granite bedrock for highway construction has left the formation subjected to heavy weathering where it has significantly altered the formation integrity by weakening the granite and causing it more prone to breaking and crumbling. The rock slope failure has then happened at KM15.4 southbound from Sungai Long to Semenyih and has caused the left lane of the two-lane dual carriageway highway to be blocked by the boulders and debris impacting almost 200,000 daily traffic users of the highway

Solution

Steel grid SGHR 30 was proposed to address the rock slope instability issue. An estimated 2500m2 of the net was installed to strengthen and prevent detachment of loose, weathered granitic rock of 10m height. This simple drapery system has anchor installed at top and bottom of the netting that trap the boulders from hitting the traffic lane.

Client: PROJEK LINTASAN KOTA HOLDINGS SDN BHD (PROLINTAS)

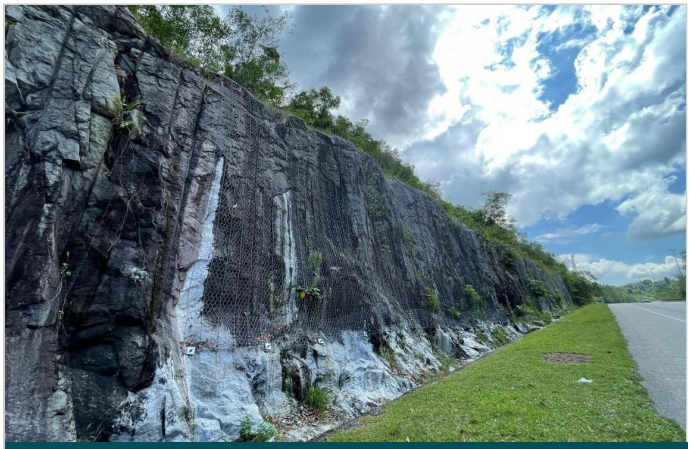
Designer / Consultant: MOSAR CONSULT SDN BHD

Products used (Qty.)

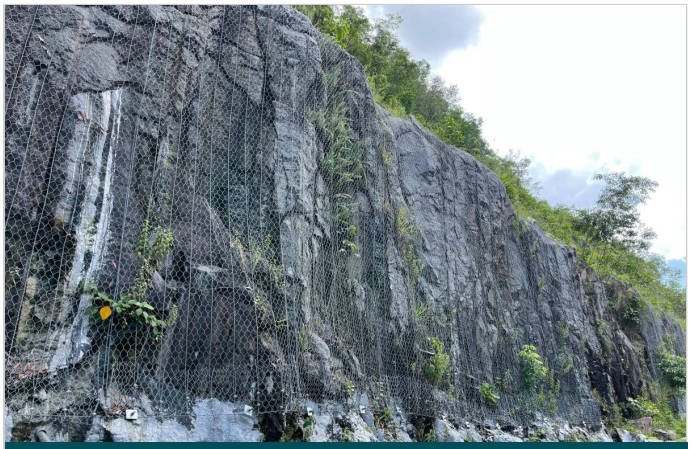
- Macarmour & Steelgrid 2500

Date of construction: 04/2024 - 06/2024

Google Maps Google Earth



Side View



Side View



Side View

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