



*Landslide at Bukit Lanjan interchange North-South
Expressway*

A major landslide closed all six lanes of a tolled expressway just north of Kuala Lumpur affecting about 75,000 vehicle movements per day. Initially, the client's brief was on removing the debris and stabilising the landslide so that the route could be reopened. In addition, the remaining 600 m long by 120 m high cut batter was to be investigated to determine if further areas were susceptible to failure.

Opus International Consultants led this project to prepare an initial appraisal for the remedial works, with input from international and local consultants.

Geoconsulting provided a rapid assessment of the failure followed by detailed mapping to provide an engineering geological model for stability analysis. A broader defect analysis supplemented with previous work was used to determine likely failure modes. From this a preliminary design and costing for the remedial works was developed.

Project Description

Project: NKV Expressway Bukit Lanjan
Landslide Appraisal

Location: Malaysia

Client: PLUS

Total Project Value: Confidential

Start Date: January 2003

End Date: January 2003

Lead Company:

Associated Consultants: Geoconsulting Ltd

Key Features:

- Landslide assessment
- Rock defect survey
- Slope design