

Safety-relevant inspection of slopes and protective structures - Railway lines NÖVOG/ Lower Austria

Client:

Niederösterreichische Verkehrsorganisations
GesmbH (NÖVOG)

Country:

Austria

Duration:

April- July 2019

Services:

Geological-geotechnical field surveys, Inspection of rock and soil slopes, Inspection of protective structures, Creation of inspection reports and lists of defects, Geotechnical detailed assessment of problem areas

Project objectives

According to NÖVOG's maintenance plan, periodic inspections are to be carried out on all the slopes and protective structures of railway lines in operation.

Project description

NÖVOG's route network includes numerous former ÖBB routes, including the Mariazellerbahn, Waldviertelbahn, Wachau- and Donauuferbahn and the Schneebergbahn. At regular intervals, safety-relevant inspections of all embankment and rock faces, as well as the protective structures, are to be carried out. The results of the inspections are evaluated in the form of protocols and lists of deficiencies. In case of imminent danger, immediate measures are ordered.

Project data

Total length of railway track: approx. 300 km

Scope of the assessment (embankment and rock slopes): approx. 122 km

Slopes investigated in detail: approx. 1.400 in 8 sections

Assessed protective structures: 49 in three sections

Project specifics

The railway line leads through rocky sections of the Wachau as well as the Waldviertel and Mariazellerland. Some of the railway lines can only be reached on foot or by train.

Services

- Geological-geotechnical field surveys
- Inspection of rock and soil slopes
- Inspection of protective structures
- Creation of inspection reports and lists of defects
- Geotechnical detailed assessment of problem areas

