



BALMI-TSCHUGGEN,

Balmi-Tschuggen

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Brienzwiler

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2015

Bundesamt für Strassen (ASTRA)
IMPULS AG
Gasser Felstechnik AG

The existing rockfall barriers above national highway A8 over the Brünig Pass were greatly weakened after years of prevalent heavy snowfalls and had to be replaced. Therefore, the Swiss Federal Roads Office (ASTRA) in 2014 invited IMPULS AG to consult the new project (installed by Gasser Felstechnik AG).

A total of eleven lines* with energy absorption capacities between 1,000 and 2,000 kJ were installed:

1000 kJ: height = 6 m, length = 30 m

1500 kJ: height = 6 m, length = 56 m

2000 kJ: height = 5 m and 6 m, length = 122 m

In addition, five lines were dimensioned for rockfall as well as for snow slide so that [multi-hazard barriers](#) were installed:

2000 kJ: height = 5 m and 6 m, length = 139 m

* The RXI barriers used are now superseded by the [RXE barriers](#).

Road

Galvanized

2000 kJ, 1000 kJ

5.0 m, 6.0 m

16 m - 80 m

Kevin H. Coyle

Regional Manager Northeast

Phone +1 860 377 3230

kevin.coyle@geobrugg.com

**Geobrugg**

info@geobrugg.com | www.geobrugg.com
