



BALMI-TSCHUGGEN, SWITZERLAND

Rockfall Protection

Balmi-Tschuggen

Rockfall Protection

Project	Balmi-Tschuggen
Location	Brienzwiler
Country	Switzerland
Year of installation	2015
Customer	Bundesamt für Strassen (ASTRA)
Engineering	IMPULS AG
Contractor	Gasser Felstechnik AG
Initial situation	<p>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).</p>
Description	<p>A total of eleven lines* with energy absorption capacities between 1,000 and 2,000 kJ were installed:</p> <p>1000 kJ: height = 6 m, length = 30 m</p> <p>1500 kJ: height = 6 m, length = 56 m</p> <p>2000 kJ: height = 5 m and 6 m, length = 122 m</p> <p>In addition, five lines were dimensioned for rockfall as well as for snow slide so that multi-hazard barriers were installed:</p> <p>2000 kJ: height = 5 m and 6 m, length = 139 m</p> <p>* The RXI barriers used are now superseded by the RXE barriers.</p>
Protected object	Road
Corrosion protection	Galvanized
Energy absorption capacity	2000 kJ, 1000 kJ
System height	5.0 m, 6.0 m
System length	16 m - 80 m

For questions please contact our Geobrugg specialist at your side

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