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A8 Interlaken Ost–Brienz (BE): Escape Passage Sengg Tunnel, Safety Galleries Chüebalm and Giessbach Tunnels

Committente
Federal Roads Office ASTRA, Regional Office Thun

Progettazione
Consortium „Notausgang N8", lead by IUB Engineering Ltd.

Realizzazione
2013–2017

Costo dell'opera
CHF 96 Million

Prestazioni
General planning contract from detail design to site supervision for driving and linig the galleries, air locks and exterior appurtenances, surveying and provision of electromechanical equipment.



Descrizione
The Chüebalm and Giessbach tunnels will receive a total of 15 emergency exits. To this end, a safety gallery will be constructed parallel to each tunnel, to which it is connected via cross passages. The safety gallery for the Giessbach tunnel will be bored using an open gripper TBM, whereas the safety gallery for the Chüebalm tunnel will be excavated by conventional drill-and-blast method. Both galleries will be equipped with air locks and technical chambers at the portals.
The Sengg tunnel will just be equiped with an emergency passage at the centre of the tunnel, leading to the surface via a gallery and a staircase shaft. At the head of the shaft an operating building with integrated air lock is being constructed.



Dati principali
Safety gallery Giessbach tunnel
- Length: 3319 m
- Diameter: 5.20 m

Safety gallery Chüebalm tunnel
- Length: 1150 m
- Cross-section: 3.20 m x 4.50 m

Escape passage Sengg tunnel
- Shaft depth: 10 m
- Shaft diameter: 6.60 m
- Gallery length: 50 m
- Cross-section: 2.60 m x 3.20

