Büttenberg Tunnel

The 1.5 km long twin-tube Büttenberg tunnel forms part of the new motorway bypass of the city of Biel in Switzerland. It provides increased traffic capacity, reduces travelling times on the motorway and greatly reduces traffic and congestions within the city of Biel.

The tunnels were built using a tunnel boring machine with an earth pressure shield. A particularity and special technical challenge was the fact that the tunnels cross a major railway line, used by 300 trains per day, with a vertical distance of only a few metres.



Place
Motorway Bypass A5 Biel

Client
Public Works Authority of the Canton of Berne

Period: 2007 - 2015

Delivered services
- General project management
- Planning through all project phases from concept to realisation
- Tender process, bid evaluation and award of contract
- Execution planning
- Construction logistics and material management
- Site management

Specifications
- Length: 2 x 1.5 km
- Cross-section: 120 m2
- Tunnel control centres: 2