Section Faido, Switzerland

With a 57 km length, the Gotthard Base Tunnel is the longest railway tunnel in the world.

The tunnel interconnects Erstfeld in the valley of Uri with Bodio near Biasca in the canton of Ticino.

The section Faido is one out of five sections of the Gotthard Base Tunnel construction site.

This section has a length of 14.6 km long and a maximum overburden of 2'300 m.
Construction of the New Gotthard Base Tunnel

Location
Faido, Switzerland

General Information
Construction costs (price base 1991)
Gotthard Base Tunnel South: CHF 9'826 million
Section Faido: CHF 1'496 million

Project Stages
Design: since 1990

Project Description
Access gallery: Length: 2.6 km
Slope: 12.7 %
Cross-section: 62.50 m²
Two single-track tubes: Length: each 13.5 km
Cross-section: each 75.00 m²
Multifunction station: Length: 1.7 km

Excavation Method
Tunnel tubes: by TBM
Multifunction station: by drill & blast

Geology
Gneiss zone mainly consisting of Leventina gneisses, Cristallina granodiorites and Medels granites.
Max. overburden: 2'300 m

Client and Contact Person
AlpTransit Gotthard AG (ATG)
Dr. Renzo Simoni (director)

Project
Railway tunnel; construction of two new single-track railway tunnels
Overall length: 57 km
Tunnel section: 14.6 km

Our Services
Design in engineering joint-venture
In collaboration with Pöyry Infra AG and Lombardi SA Ingegneri Consulenti

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