

GOTTHARD BASE TUNNEL FAIDO



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

Realisation: 1999 – approx. 2016

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 Pöry Infra AG and Lombardi SA Ingegneri Consulenti



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