

Infrastructure Gallery Uetlibergtunnel

Zurich, Switzerland

Transport tunnel Filderen - Reppischtal

Object

National highway tunnel, new construction

Construction Costs

Total costs Uetlibergtunnel: CHF 1'120 million

Project Schedule

Planning: since 1981
Construction duration: October 2000 - September 2001

Project Description

Soft ground sections (2): approx. 70 m
Molasse section: approx. 470 m
Diameter: 3.70 m

Driving Method

The soil sections are excavated using pipe-screen technologies. The molasse section is excavated with TBM (diameter 3.72 m).

Geology

The soil section Filderen consists of moraine. The gallery cross section is under groundwater. The soil section Reppischtal consists of clayey-silty mountain loam. The molasse section is located within upper fresh water molasse formations.

Construction Details

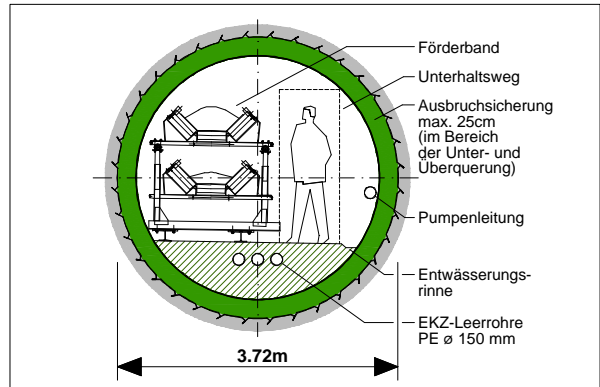
- Undercutting the Landikon railway tunnel by distance of 7 m
- Overcutting of future Uetlibergtunnel tubes by distance of 3 m

Our Services

- Complete detail and construction design, tender documents of the underground works
- Partial design of the cut-and-cover sections
- On-site construction management for underground construction
- Support project management of client

Client

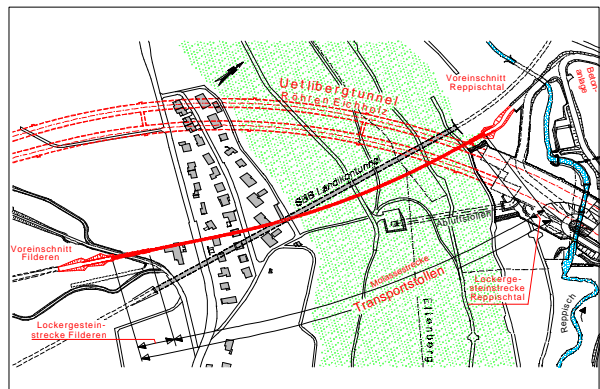
Tiefbauamt des Kantons Zürich, Mr. O. Schnell



Standard cross section in molasse with conveyor belt for material transport



TBM excavation with steel panel installation (undercut of Landikon railway tunnel)



Site plan

For further information:
www.uetlibergtunnel.ch

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