



# **GUBRISTTUNNEL**

## **REGENSDORF (CH)**

### **EMPLOYER**

Federal roads office FEDRO, CH-8404 Winterthur

### **DESIGNER**

IG AHB, c/o Amberg Engineering, CH-8105 Regensdorf

### **TIME OF COMPLETION**

10.2016 – 02.2021

### **CONTRACT SUM**

CHF 190 Mio.

### **EXECUTION OF THE WORK**

ARGE Marti Gubrist

### **CONSORTIUM PARTNERS**

Marti Tunnel AG, CH-3302 Moosseedorf  
Marti AG, Bauunternehmung, CH-8500 Zurich

### **LEAD COMPANY – TECHNICAL AND COMMERCIAL LEAD**

Marti Tunnel AG, CH-3302 Moosseedorf

# GUBRISTTUNNEL

## REGENDSDORF (CH)

### SCOPE OF THE WORKS

The Project 3rd tube Gubristtunnel (Lot 201) is part of the expansion of the Northbypass Zurich (ANU) and includes following main elements:

- Tunnel excavation by drill and blast: 3 km
- Outside works Affoltern: 77 m
- Outside works Weinigen: 223 m

### ACTIVITIES

Tunnel (D&B excavation):

- Top heading with post bench- and invert excavation
- Cross section: approx. 180 m<sup>2</sup>
- Excavation diameter: 15.44 m / 14.45 m
- Blasted volume: approx. 500'000 m<sup>3</sup>
- Counter excavation from the Weinigen  
Portal by using pipe umbrellas (approx. 100 m)
- Cross connections: 12 pcs
- Operation station Sonnenrain
- Service-supply channel underneath roadway
- Suspended ceiling

Open Cast:

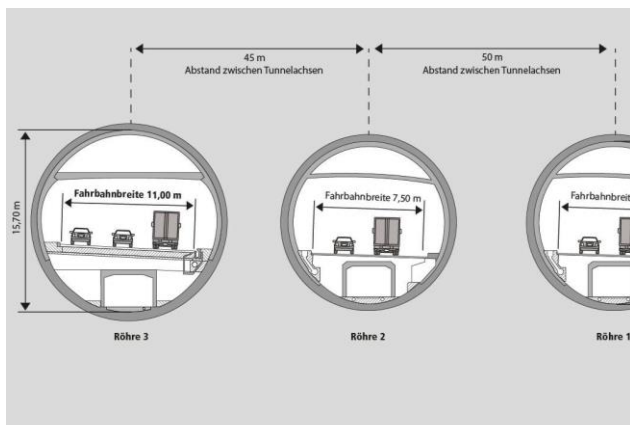
- Cut and cover section
- Securing with anchors and nailed walls
- Earthworks: Approx. 150'000 m<sup>3</sup>
- Drilled piles: 2'800 m
- Diaphragm wall: 3'700 m<sup>2</sup>
- Operation and ventilation control: 2 pcs.

Transfer rail station

- Planning, construction and exploitation of a excavation loading terminal nearby the construction site – evacuation of the excavated material by train (1.3 Mio. to)

### GEOLOGY

Mostly Upper Süsswassermolasse (interbedded layers of sandstone, silt and marl)



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**Marti Tunnel AG**

Seedorffeldstrasse 21 3302 Moosseedorf Tel. +41 31 388 75 10 www.marti-tunnel.ch tunnel@martiag.ch