TUNNEL BELCHEN (STB), A2
HÄGENDORF (CH)

EMPLOYER
Federal roads office FEDRO, CH-4800 Zofingen

DESIGNER
IG STBelchen, c/o Emch+Berger AG, CH-3001 Bern
ILF Beratende Ingenieure AG, CH-8048 Zurich
Aegerter + Bosshardt AG, CH-4002 Basel

TIME OF COMPLETION
2015 - 2019

CONTRACT SUM
CHF 277 Mio.

EXECUTION OF THE WORK
ARGE Marti Belchen

CONSORTIUM PARTNERS
Marti Tunnel AG, CH-3302 Moosseedorf
Marti AG Basel, CH-4053 Basel
Marti AG Solothurn, CH-4500 Solothurn

LEAD COMPANY – TECHNICAL AND COMMERCIAL LEAD
Marti Tunnel AG, CH-3302 Moosseedorf
SCOPE OF THE WORKS
Doubel-tack tunnel between Hägendorf (SO) and Eptingen (BL)
- Lot 080008
- Length 3'177 m

ACTIVITIES
- Excavation with a single shield TBM Ø 13.97 m
  with precast segments (6+1) d = 35 cm
  and simultaneous inner lining,
  laying of the last cycle within 4 months
- Volume of excavation: 510'000 m³
- 11 cross cuts A = 20 – 40 m²
- Complete sealing with Hot-Melt process
- Inner lining d = 40 – 81 cm
- Technical gallery under the roadway
- Intermediate slab
- Benches

Ventilation gallery by drill & blast
- South portal L = 127 m, A = 22 m²
- North portal L = 234 m, A = 22 m²

GEOLOGY
- Gypsum keuper
- Opalinus clay
- Shell limestone
- Marl