SACHSELN SAFETY GALLERY, A8
SACHSELN (CH)

**EMPLOYER**
Federal roads office FEDRO, CH-4800 Zofingen

**TIME OF COMPLETION**
2014 – 2017

**CONTRACT SUM**
CHF 41 Mio.

**EXECUTION OF THE WORK**
ARGE SiSto Sachseln

**CONSORTIUM PARTNERS**
Marti Tunnel AG, CH-3302 Moosseedorf
Marti Bauunternehmung AG, CH-6002 Lucern

**LEAD COMPANY – TECHNICAL AND COMMERCIAL LEAD**
Marti Tunnel AG, CH-3302 Moosseedorf
SACHSELN SAFETY GALLERY, A8
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SCOPE OF THE WORKS
Sachseln Safety Gallery, A8 Canton of Obwalden

ACTIVITIES
Underground works:
- Tunnel  L = 5'030 m Ø 4.20 m
  hard rock TBM with gripper
- Cross cuts  A = 12 m² 20 pcs
  drill and blast
- Inner lining  28'000 m³
  shotcrete reinforced
- Rock bolts  13'500 Stk.
- Reinforcing mesh  160'500 m²
- Steel profile  270 t
- Concrete  8'000 m³
- Excavation total  242'500 t

Aeration tunnel Altbiel
- Length  135 m
- Slope  7.6 - 25.9 %
- cross section  14.7 m²

Special feature
Outbreak with 4.5 m distance to the busy national road
N08 in the MUF and SPV

Surface works:
- Pit with nailed wall  2 x 270 m²
- Technical buildings  2 Stk.
- Ventilation Saccardo
- Nailed wall  2 x 270 m²
- Bolts  2 x 115 Stk.
- Concrete  2 x 1'200 m³
- Steel reinforcement  2 x 280 t

GEOLOGY
- Marl
- Sandstone
- Wildflysch

24.10.2016