Lötschberg base tunnel

Formwork system

Services provided by Marti Technics Ltd.
Planning and delivery of entire formwork system.

Scope of supply
Line of tunnel-boring machine
- 2 kicker formworks
- 1 cross-section control truck
- 1 supply truck
- 6 vault formworks
- 2 shoulder formworks

Line of blasting
- 1 scaffold truck
- 1 supply truck
- 6 vault formworks with loading ramps
- 2 shoulder formworks
- 2 cross-cut formworks

Technical data
Vault formwork
Line of tunnel-boring machine
- Diameter 8.4 m
- Concrete stage 12.44 m
- Formwork weight 100 tonnes
- Concrete/block ~130 m³
- Overall concrete length 15 000 m

Line of blasting
- Diameter 7.2 m / 5.83 m
- Concrete stage 12.44 m
- Formwork weight 110 tonnes
- Concrete/block ~160 m³
- Overall concrete length 4500 m

All formworks are measured to ensure that they can withstand full hydrostatic pressure.

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Client
Main contractor
Sub-contractor
Value of order
Drawn up
BLS AlpTransit AG
ARGE MaTrans Steg/Raron
Marti Technics Ltd.
CHF 7 000 000.00
2002/03

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