VADELAHEIDI PROJECT
AKUREYRI (IS)

CLIENT
Vadlaheidarganga hf. (Icelandic Road Administration)

CONSTRUCTION PERIOD
2013 - 2018

CONTRACT SUM
CHF 51 Mio. (ISK 6'732 Mio.)

JOINT VENTURE COMPANY
ÓSAFL sf.

JOINT VENTURE PARTNERS
Marti Tunnel AG, CH-3302 Moosseedorf
ÍAV hf, IS-110 Reykjavík

LEAD COMPANY AND COMMERCIAL LEAD
ÍAV hf, IS-110 Reykjavík

TECHNICAL LEAD
Marti Tunnel AG, CH-3302 Moosseedorf
VADLAHEIDI PROJECT
AKUREYRI (IS)

PROJECT DESCRIPTION
The Vadlaheidargöng project is a 7.2 km long double lane road tunnel located east of Akureyri, which aims to adapt the national road alignment to reduce the travel time. The main parts of the project consist of:
- 7,170 m long (67 m²) double lane road tunnel
- 6 technical and safety niches
- Road works of 11.3 km

WORK DESCRIPTION
Underground excavation, rock support and grouting work
- Excavation with drill & blast
- Locally located pipe umbrella
- Excavated length 7'230 m
- Excavated Volume: 495'000 m³
- Grouting method: systematic probe drilling, Cements and chemical pre-grouting (223 Tons)
- Rock support: shotcrete (15'000 m³) and systematic rock bolts (28'500 pcs)
- Additional rock support: spiling bolts and reinforced shotcrete arches

Underground water and frost protection work
- PE-foam & shotcrete lining: 45'000 m³

Surface and groundwork
- Pre-cut excavation: 90'000 m³
- Roadwork: 11.3 km
- Fresh water and drainage system
- Installation of cables pipes

Concrete work
- 6 technical buildings and safety niches
- Portals cut&cover: 84 and 224 m

Electrical and safety work
- Earthing system
- Electrical installations and equipment
- Tunnel safety equipment

GEOLOGY
- Basalt with intersections of sedimentary layers
- High water inflow with cold and geothermal hot water

08.08.2017