



Motorway D47 Section D4707 Bílovec-Ostrava SO 600 Klimkovice tunnel

CLIENT

Ředitelství silnic a dálnic ČR
Praha 4, Na Pankráci 546/56

LEAD DESIGNER

HBH Projekt spol. s r.o., AMBERG Engineering a.s.
Brno, Ptašinského 10

CONTRACTOR

Association 04707, Brno, Bohunická 133/50
Skanska DS a.s. (lead member of the association)
Metrostav a.s. (member of the association)

CONSTRUCTION PERIOD 04/2005 – 04/2008

VALUE 2,156 mil.CZK



The Klimkovice tunnel consists of two independent tunnel tubes. Tunnel tube A is 1,076.82 m long and tunnel tube B is 1,088.09 m long. Both tunnels have a low layer of the overlying rock on the top. The maximum height of the overlying rock above the tunnels is 31 m.

Minor sections of the tunnels were constructed as an excavated structure in open trenches with consequent back-fill layer on the top. The length of the excavated sections is approximately 160 m at the direction from Brno and approximately 46 m at the direction from Ostrava. The driven section of the tunnels was carried out using the NRTM tunneling method. Secondary tunnel lining was constructed from reinforced concrete of strength category C30/37; the intermediate water membrane is a pressure-resistant membrane formed by PVC-based foil. Both tunnels have the same spacious parameters complying with T9,5 category of the one-way, two-lane tunnel and have the same arrangement of the structure. The structure clearance above the carriage way is 4.80 m. Clear width of the tunnel is 12.204 m.

Transformer stations, utility tunnels, cable shafts, control sub-stations and cable corridors were part of the contracted works. The technical equipment installed in the tunnel fulfills requirements of the relevant European directives.