

TUNNEL RADEJČÍN

Supervision and technical support

Country: Czech Republic

Client: Road and Motorway Directorate of the Czech Republic

Year: 2009 - now

Project description:

The Radejčín motorway tunnel passes under the flat Radejčín Ridge, which is part of the Bohemian Uplands, east of the Radejčín railway station. A separate tunnel tube was designed for each direction of the dual carriageway. The double-lane right tunnel tube is 600m long; 446m was mined using NATM. The double-lane left tube is 620m long and also 446m was mined using NATM. The geological conditions encountered are a volcano-sedimentary complex of Miocene tuffs and basic effusive rock types (basalts), with markedly developed bedding and variable thickness of individual sets of beds. The thickness of the beds varies within the range of tens of centimetres up to a metre. NATM excavation of the tunnel started in 2009.



Project contribution:

Technical support, continuous supervision of the project design, independent construction supervision for the client.



Services provided:

- ◆ Advisory and consultancy services for the client
- ◆ Project design supervision
- ◆ Construction supervision and optimisation of NATM classes
- ◆ Numerical modelling to verify design

