Project preparation supervision and technical support

Country: Czech Republic
Client: Railway Infrastructure Admin., state organization
Civil Engineering Administration, Pilsen
Year: 2007 - 2014

PROJECT DESCRIPTION:

The Ejpovice tunnel will be part of the west branch of the 3rd transit railway corridor in the Czech Republic between Rokycany and Pilsen. The tunnel is planned as a double bore single-track tunnel with a length of 4150 m and a slope of 8 ‰. Proposed design speed is 160 kph. The design was prepared for NATM excavation, but TBM excavation was also evaluated.

PROJECT CONTRIBUTION:

3G CE realised continuous supervision of the project design and assisted to the client with various technical issues.

SERVICES PROVIDED:

- Advisory consultancy services for the client (RIA)
- Project design supervision
- Tender preparation
- Comparison of tunnel excavation methods (NATM and TBM)
- Alternative design of the tunnel cross-section
- Evaluation of the ballastless track use
- Cost calculations