

VIENNA - SALZBURG HIGH PERFORMANCE RAILWAY LINE, RECONSTRUCTION OF THE RAILWAY STATION AMSTETTEN, EAST GATEWAY

Client: ÖBB-Infrastruktur AG (Austrian Railways Infrastructure AG)
Development Period: 2008 to 2019

THE PROJECT

In the course of the development of the Vienna - Salzburg four-track high-performance railway line, the eastern gateway into the railway station Amstetten was adapted over a length of 3.4 km. Besides the adding of two tracks and the corresponding drainage works, three new bridges and one brook passage have been rebuilt.

OUR FUNCTION

For this project, BGG Consult covered the matters of geotechnics and hydrogeology during the whole planning and implementation phases.

Based on the results of a subsoil exploration campaign, surveys on site and information from government authorities, Geotechnical and Hydrogeological Expert's Reports were compiled for the environmental assessment procedure, the railway permission procedure, the procedure pertaining the water law and for the tendering of the different contract sections.

During tendering and construction, the planning and dimensioning of the construction pit securing measures was done besides an expert's monitoring. Furthermore, the hydrogeological preservation of evidence was performed.

Building Pit Securing Reich Bridge:

The new Reich Bridge was established directly beside the existing structure. In the area of the abutments, building pit securing measures with heights of up to 14 m were necessary for the construction of the pile grillage. These were carried out in form of sheet pile walls with up to three anchor levels (pile length max. 18 m). The anchoring was done against counter sheet piles on the one hand, and by prestressed anchors into the underground on the other hand.

*Sheet Pile Wall Reich Bridge,
Northern Abutment*

