

Highway Tunnel Boyneburg Tunnel Cut & Covers Structures at Portal Areas Cable-Collector at tunnel's north exit

Boyneburg, Germany

Project

Twin bore highway tunnel Boyneburg of the BAB 44 highway in Central Germany between Kassel and Herleshausen

Construction Cost

Total project's cost: approx. € 183 m.

Project Schedule

Detailed Design (estimated): 2018 - 2020

Construction (estimated): 2018 - 2022

Project Description

- Twin bore highway tunnel with three lanes per direction

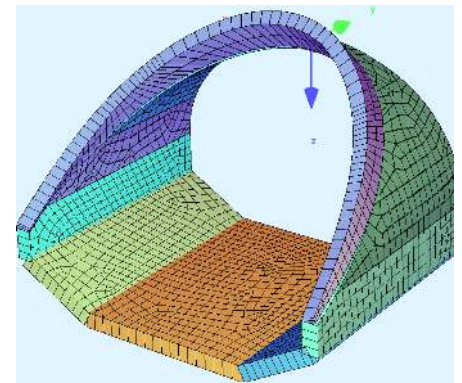
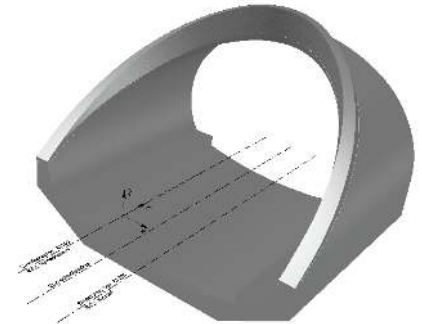
Tunnel's Total length: 1.7 km

North Cross section: 109 m²

South Cross section: 76 m²

North & South Cut & Cover length: ~45.5 m

Excavation Method Conventional Tunneling using NATM – Drilling and blasting – mechanical means



Final Lining

Reinforced concrete C30/37

Geology

Bunter Sandstone, with Quaternary loose rock at the portals

Our Services

- Elaboration of structural three dimensional (3D) models for the Cut & Cover structures
- Evaluation of structural analysis results
- Elaboration of reports and calculation notes
- Elaboration of detailed formwork drawings
- Detailed three dimensional (3D) design of the portal collar sections and the skew edges. Provision of 3d views and coordinates for the collars' construction
- Elaboration of detailed reinforcement drawings for the construction of a cable collector at the north area of tunnels' exit
- Engineering and consultancy services for the construction of twin tunnel
- Provision of an engineer in Munich for coordination and engineering services

Client

EDR GmbH, Munich, Germany

