

Highway Tunnel

KRRABE Tunnel

Motorway Section Tirana – Elbasan

FIDIC Conditions of Contract

Albania

Project

Highway tunnel

Construction Cost

Total project's cost: approx. € 70 m.

Project Schedule

Design: 2011 - 2012

Construction: 2011 -2012

Project Description

Twin bore highway tunnel

Length of south bound: 2,580.3 m

Length of north bound: 2,320.6 m

Excavation cross section: 90 – 120 m²

Cross passages (total length): 149.53 m



Method of tunnel excavation

NATM – Drilling & blasting - mechanical means

Final Lining

Reinforced concrete C25/30

Geology

Molassic formations consisting of sandstone and siltstone alterations, thick-bedded sandstones, siltstones, rare interlayers of conglomerates

Max. overburden: 210m



Our Services

- Geological – geotechnical interpretation and evaluation studies for tunnel main body & tunnel's portals
- Detailed geotechnical & structural design of tunnel portals
- Detailed geotechnical & structural design of the tunnel
- Detailed hydraulic design
- Designer on site services

Construction Details

- Use of lattice girders
- "Opened & Closed ring" solutions
- Artificial reinforced concrete cover structure (C20/25) for tunnel construction in gully area

Client

AKTOR SHOQERI ANONIME TEKNIKE

