



« Borne Romaine » Tunnel South East of France

Underground Structures

2014 - 2016



FRANCE - Alpes
Maritimes

Client

GTM SUD

Project manager
EGIS Tunnels

Project owner
ESCOTA

Miscellaneous

750 m length (traditional excavation method),
Diameter: 12 m,
Safety gallery: 80 m



Description of the project

The 'Borne Romaine' section of the A8 motorway between Nice and La Turbie (in the Alpes-Maritimes region, south-east of France) is located on an unstable slope.

The mitigating measures implemented and the diversion of one carriageway on the side towards the mountain have turned out to be insufficient to ensure the long-term stability of the structures. That's why the motorway management company ESCOTA decided to build a tunnel in the slope to accommodate one carriageway and thus move the whole road system out of the unstable zone.

Description of the mission

The works, carried out under project management by EGIS Tunnels, were contracted at end-2013 to the consortium CAMPENON BERNARD TP Côte d'Azur – GTM Sud – SOLETANCHE-BACHY-TUNNELS – EUROVIA. TERRASOL has then been entrusted by the consortium with the whole detailed design (supports, linings, structures, utilities), with contribution from BMCI (subsidiary of SETEC TPI) for the structural aspects.

The structures comprise a tunnel 800 m long excavated in a good quality limestone massif, a safety tunnel 80 m long between the mid-point of the main tunnel and the open air, and the portal structures and equipment (architectural walls, tunnel substation, fire-fighting water basin and water recovery basin).

Key features

- Detailed design (support, lining, utilities, ...)

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