

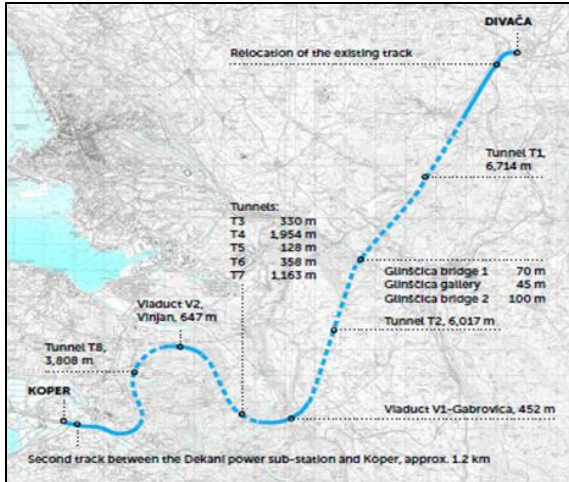


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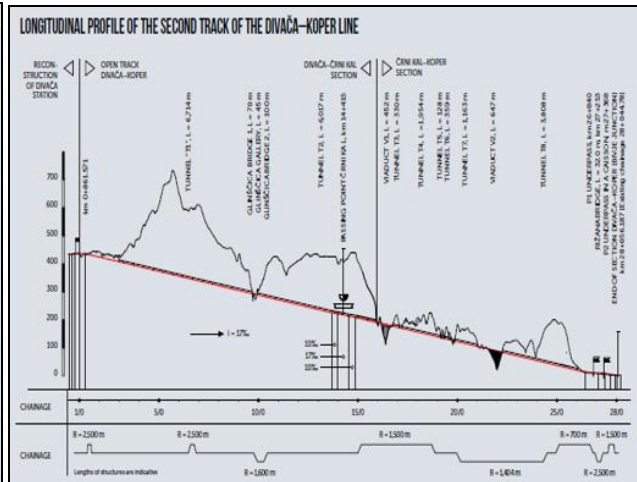


NEW RAILWAY LINE DIVAČA-KOPER, SLOVENIA DOUBLE TUBE SINGLE TRACK RAILWAY LINE

OWNER : MINISTRY OF TRANSPORT OF SLOVENIA



LAYOUT OF THE PROJECT



LONGITUDINAL SECTION

PROJECT DESCRIPTION

In accordance with the development and requirements of increased traffic on the route: port of Koper –Ljubljana– EU a new railway line, as second track, has been planned between the cities of Koper and Divača, south of the capital Ljubljana. The project is mainly composed of 27 km of a new single track railway with 8 single track-single tube tunnels, 2 longer viaducts and several smaller structures. Three longest tunnels have a parallel service tube that makes entire tunneling 37 km long. All tunneling is planned to be a conventional tunneling. Max. longitudinal gradient of the line is 17 promile, the track is planned for the max. speed of 160 km/h. Construction time is planned to be 5 years, costs 1.4 billion EUR, start 2020.

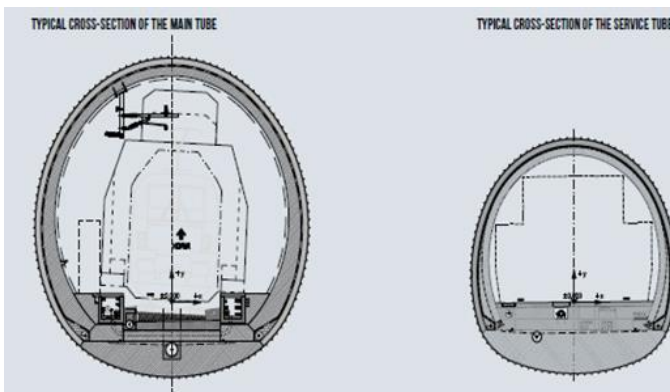
GEOMETRY

Double track length: 27 km
Double tube tunnels: 3
Single tube tunnels: 5
Overall tunnel length: 37 km

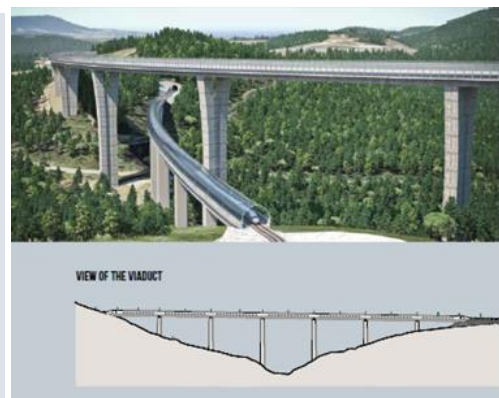
Long viaducts over 500 m: 2
Slope : 17 promile
Speed : 160km/h

Construction time : 5 years

Budget : 1.4 billion EUR



TYPICAL TUNNEL CROSS-SECTION



VIADUCT CRNI KAL ,550 M LONG

SERVICES PROVIDED

Checking the overall estimated value of construction costs and any possible rationalization and optimization of the project of the second track of the new railway line Divača-Koper and all structures and technologies used including the use of risk analysis methods following principles of PPA method and FAUST procedure.

Period of work: 06/2015 – 03/2017

Consultancy services: 0.7 mio. EUR