

TP10 – part of new highspeed railway Copenhagen – Ringsted



Consortium Barslund / CG Jensen, who won the design and build contract TP10 (Tender Package 10) for an approximately 3 km long stretch of the new high-speed railway between Copenhagen and Ringsted. EKJ perform the role of consultants in project implementation and design of all parts of the project.

The new railway line intersects two of the busiest motorways in Denmark, a number of major and minor roads and the protected “West Rampart” (Vestvolden).

The work includes detailed design of a 3 km railway line, 23 road sections, including 3 on state main roads and the rest on municipal roads and paths, 9 road and rail bridges, an approximately 270 m long tunnel

under motorway M11 (Holbækmotorvejen), underpass of the railway under motorway M3 in use, fauna crossings, draining/ground water lowering, earthworks and temporary traffic relocations.

The traffic on the roads in question will be maintained during the construction phase and the many considerations regarding traffic management, preservations and intersections of complicated traffic networks place high demands on the client, consultants and contractors regarding logistics and innovation. For instance a 1 km temporary motorway line will be established to avoid traffic problems during the 13 months, while the new rail tunnel is being constructed under M11.

EKJ Bulgaria’s services:

Design of:

- Road, railway and pedestrian bridges
- Retaining walls and sheet pilings
- Tunnel with a length of 270m
- Roads and highways
- Reconstruction of different classes of roads

Special challenges:

- Tunnel under motorway M11
- Temporary traffic relocation
- Underpass of the railway under motorway M3 in use

Client: Rail Net Denmark (Banedanmark)

EKJ’s client: The contractor consortium CG Jensen / Barslund

Period: 2011-2021

Size: Structures and railway on a 3 km section of the highspeed railway line

Contract type: Design and build

