

Tunnel under the Noord, Alblasserdam/Hendrik Ido Ambacht

Client: Exploitatiemaatschappij Tunnel de Noord
Design: T.E.C.
Construction: BAM Civiel bv (as joint venture partner)
Contract value: € 80.137.500 (25%)
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BAM Civiel

A road tunnel with three lanes in each direction was built under the River Noord to make crossing the river on the A15 motorway as easy as possible.

Some 490 metres of the 530-metre enclosed tunnel was constructed using submerged sections. The closed tunnel connects up with the abutments on the west and east banks. The western entrance is made up of seven concrete elements with an overall length of 150 metres.

To keep the groundwater level under this entrance low, around 25,000 square metres of watertight film was laid in the ground and given a watertight seal where it meets the concrete exterior walls of elements 2, 3 and 4.

The eastern entrance consists of 21 concrete elements. This entrance has a floor of underwater concrete. The last nine sections make up a viaduct structure on pile foundations that connects up with the existing A15.