

Project identification

Public Transport Tunnel Zuid Tangent Schiphol

Type of project

Cut & Cover Tunnel



Client

Amsterdam Airport Schiphol

In co-operation with

Project assignment

Design and detailed design of a tunnel to accommodate public transportation in the "Zuid-Tangent" Network. Tender documents and construction supervision.

Country

The Netherlands

Location

Airport Schiphol

Project duration

1994 - 2002

Project phase

Completed

Construction cost

€ 28.588.000,=
(excl. VAT)

Consultancy fee

€ 735.000,=
(excl. VAT)

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Project description

The new transportation line, "Zuid Tangent", is a high quality public transportation line for buses and trams that runs between the city of Haarlem and Schiphol East. Tunnel Engineering Consultants was asked by the Schiphol Group to provide the design of a tunnel for Zuid Tangent to cross the new A5 motorway, the existing A4 motorway, as well as an airplane taxi lane at Schiphol airport.

The ramps descending to the tunnel's entrance consist of U-shaped concrete sections. The first part of the tunnel was built simultaneously with the runway "Zwanenburgbaan" and during the temporary rerouting of the highway A4 due to construction of a second train tunnel. The tunnel crosses the new A5 motorway, the existing A4 and a taxiway of Schiphol Airport.

Scope of work

- Design and detailed design of the concrete works.
- Tender documents and assisting the client with the selection of the contractor.
- Construction supervision.