

Project identification

# Aqueduct Alphen

Type of project

Aqueduct



Client

Ministry of Transport and Public Works, Tunnel Engineering Department

In co-operation with

Project assignment

Detail-calculations, steel- and reinforcement-drawings and supervision

Country

The Netherlands

Location

Alphen aan den Rijn

Project duration

1996 - 1998

Project phase

Completed

Construction cost

Appr. € 32.218.000,=  
(excl. VAT)

Consultancy fee

€ 635.000,= calculations and drawings  
€ 454.000,= supervision  
(excl. VAT)

Project description

To improve the infrastructure along the Oude Rijn a new main road between Leiden and Bodegraven will be constructed. Near Alphen aan den Rijn the river Gouwe will be crossed by an aqueduct.

The aqueduct consists of an immersed prestressed concrete element under the Gouwe, with on both sides an open through construction, at the end changed in a polderconstruction. Over the western through there is realised a railway crossing and on both sides of the river Gouwe is built a fly-over for normal traffic.

Scope of work

- The detail calculations for the concrete construction inclusive the prestressed cables in the tunnelement.
- Making of the drawings for the reinforcement and for the cast-in items.
- Supervision of drawings and calculations made by the contractor.
- Giving assistance to the supervisor for inspections on the site.

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