

Field of expertise: Immersed tunnels & construction

Client: Ballast Nedam Infra

Immersion Aqueduct N31 Harlingen, Netherlands



Project description

The new alignment of the N31 provincial road at Harlingen, Friesland, goes around the city centre of Harlingen and crosses the Harinxma canal, parallel to the old bridge in the existing N31 road. Due to the number of recreational (sailing) vessels passing the existing moveable bridge in the N31 being the cause of usual traffic delay, the new crossing has been designed as an aqueduct comprising two motorway tubes with 2 lanes each, with a low internal wall with columns in between. The aqueduct is suited only for motorway traffic.

Project activities

- ◆ Design basis for immersion;
- ◆ Design of the immersion system;
- ◆ Design of the sandflow system;
- ◆ On site support of the immersion team.