

Zeeburger Bridge, Amsterdam

Client: Directorate General for Public Works and Water Management
Design: Ingenieursbureau NS / BAM Infraconsult
Construction: BAM Civiel bv
Contract value: € 20.000.000 (20%)
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BAM Civiel

To connect the future IJ-boulevard to the A10 motorway, a link had to be built next to the northeastern abutment of the Zeeburger Bridge. This involved the construction of a half cloverleaf intersection with entry and exit ramps and a motorway underpass. The bridge was also widened over three-quarters of its length. One of the key features of this project was its logistical challenges. Pressure on the existing bridge was minimised by working from pontoons and using water transport to bring in materials.

The bridge was widened by extending its piers. Precast beams were installed on top of them, followed by a compression layer above the beams. After a settlement period, this extension of the Zeeburger Bridge was poured into place. Steel piles were used for the foundations for the piers under the exit ramp to the future IJ-boulevard. To create an underpass for the IJ-boulevard, a viaduct was built between the Zeeburger Bridge and the Zeeburger Tunnel, and traffic on the A10 in that area had to be diverted over a sand embankment.