



General contractor for rebuilding the Düte Bridge

Data and facts

Company	PORR Ingenieurbau
Type	Bridge construction
Runtime	07.2016 - 03.2022
Principal	Autobahn GmbH des Bundes

[Project report online](#)

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Rebuilding the Düte Bridge

After the bridge had been sawn in two, traffic was routed over the remaining, western half of the bridge. Demolition from the ground was not possible due to the protected floodplains along the Düte River.

A 2,150t shoring structure for more stability during demolition

The old concrete superstructure was prestressed and, after it had been cut in half, its load-bearing capacity was no longer given. To remedy this, the entire bridge was underpinned with a full-surface scaffolding structure extending across not only the Düte River but also an ICE railway line and a municipal road. The 2,150-tonne shoring structure was driven into place with the aid of 479 hydraulic presses without closing the road beforehand. After the project was completed, the Düte River was renaturalised. Today, it winds its way under the bridge in loops, which are opening up new habitats for wildlife and vegetation.

None of this would have been possible without the reliable and cooperative collaboration with the project team of the Autobahn GmbH des Bundes, Westphalia branch, not to mention the experienced workmanship of all the trades involved. The PORR Spezialtiefbau was responsible for the pile foundation with in-situ concrete driven piles, while PORR Verkehrswegebau carried out the road construction work.

Impressions



Image notes

1

General contractor for the replacement of the Dütebrücke bridge

The Dütebrücke bridge was not built with two separate superstructures, as is usually the case. A special solution therefore had to be developed for the demolition and new construction while traffic continued to flow.

2

General contractor for rebuilding the Düte Bridge

After the finalisation of the construction phase, the area around the bridge with the river Düte has been renaturalised.

Do you have questions about the project or would you like to learn more? Feel free to contact us for further information.

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