



Rothof viaduct, Rottendorf

Data and facts

Company	PORR GmbH & Co. KGaA
Type	Bridge construction
Runtime	04.2017 - 10.2021
Principal	Northern Bavaria branch of the Autobahn GmbH des Bundes

[Project report online](#)

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Construction of replacement Rothof viaduct on the A7

Watch our video about the project in Vimeo:

- [PORR Deutschland: A7 Rothoff - Querverschub der Talbrücke](#)

The superstructures were constructed using an approximately 36m long launching nose by means of the place and thrust method over 15 increments with a maximum individual length of 30m. They sit on two abutments and seven bone-shaped column axes. The largest field spans are 60m and the column heights are between approx. 12.5m and approx. 25.5m. The new structure is founded on large-diameter piles with a diameter of 1.50m and lengths of up to 22m.

Since road traffic on the A7 had to be maintained at all times, in the first construction phase, the Fulda carriageway was constructed in a temporary replacement position next to the existing structure on auxiliary columns. All traffic on the A7 was redirected along this temporary route while the existing structure was completely dismantled. The final substructure abutment columns were subsequently erected for both carriageways and the second superstructure for Würzburg was constructed. Finally, the superstructure for Fulda, which was stored in a temporary replacement position, was launched laterally into its final position.

Impressions



Image notes

1

Rothof viaduct, Rottendorf

The Rothof viaduct before the transverse shift of the left-hand bridge element.

2

Rothof viaduct, Rottendorf

The left bridge element at its final position.

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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