



Marbach viaduct on the A45

Data and facts

Company

Type Bridge construction

Runtime 11.2014 - 07.2020

Principal Hessen Mobil – Straßen und Verkehrsmanagement

[Project report online](#)

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Demolition and building of a new motorway bridge

The project

The new viaduct is to be constructed as a 7-span structure in two parallel sections. On five of the eight axes of the substructures, load transfer of the structure is through large bored piles up to 16 m long as deep foundations. On three axes, surface foundations will be constructed directly on the rock using reinforced concrete foundations. Each superstructure will rest on six pillars and two abutments. The individual spans of the steel composite cross-section are between 45.7 m and 69 m. The superstructure cross-section is made up of two single-cell hollow steel boxes per direction of travel and untensioned carriageway slab.

Impressions



Image notes

1

Marbach viaduct

The final bridge sealing and protective measures such as the noise protection embankment in section 1 are being completed.

2

Marbach viaduct

The new bridge pillars, axis 50 and 60, are between 15.5 m and 35 m high and were concreted in individual sections of 5 m each.

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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