

Saale-Elster Talbrücke



SHORT DESCRIPTION

With a total length of around 8,600 m, the new DB line is the longest bridge structure in Germany.

THE PROJECT

The new DB line crosses the floodplain landscapes of the Saale and Weißen Elster with several nature reserves and bird sanctuaries as well as the water protection zone III of the Halle-Beesen waterworks south of Halle. With a total length of around 8,600 m, the construction is the longest bridge structure in Germany.

The construction of the superstructures was usually carried out (two-span girders) on an advancing scaffold in 2 construction phases; After completion, these girders have a total length of 88 m with a span of 44 m. Sections with longer spans were bridged with three-span girders, the length here is about 150 m.

The standard cross-section was designed as a reinforced concrete box girder with inclined webs. The longitudinal prestressing was carried out using BBV L 15 tendons in the webs and BBV L 19 in the floor slab and deck slab. A transverse prestress was not provided.

FACTS

Location	Halle, Germany
Status	completed

Start of construction	June 2006
Completion	January 2009
Building owner	DB Netz AG, Deutsche Bahn Gruppe
Contracting entity	ARGE Saale-Elster-Talbrücke (Hochtief, Adam Hörnig, Gerdum u. Breuer)
Planning	Planungsgemeinschaft Kinkel und Partner, Neu-Isenburg und LAP, Dresden

SERVICES

Post-tensioning system

Bridge construction



<https://www.bbv-systems.com/en/projects/detail/ref/saale-elster-valley-bridge/>

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