

Saale-Elster Viaduct

Halle (Saale)



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Type of building:
Bridge

Building contractor:
ARGE aus den Firmen Hochtief, Adam
Hörnig und Gerdum und Breuer

Completion:
2013

In the bridge structure, the Stabox® special rebar connection for high shear forces were able to guarantee the most demanding requirements for an "indented" working joint.

The Saale-Elster Viaduct is a railway overpass on the new Erfurt-Leipzig / Halle line and is located south of Halle. The prestressed concrete bridge was built between 2006 and 2013. Over six kilometres long and with a branch of more than two kilometres on the bridge construction, the valley bridge is the longest bridge structure in Germany.

The customer required a "rough" reverse bending connection for the high shear stress in the joint direction. This was achieved with the special "indented" Stabox® T connection.

Thanks to the stable trapezoidal sheet of the box, the Stabox® T rebend connection for very high shear stress in the joint area meets the maximum requirements for an "indented" working joint according to DIN EN 1992-1-1 with NA (D) - Type Test Report dated 09.08.2013.

This custom solution was also achieved in rapid time through the close cooperation between MAX FRANK Anwendungstechnik and the building contractor.

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Products used:



Continuity strip Stabox®



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