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# Unstruttalbrücke





## SHORT DESCRIPTION

The Unstruttal bridge crosses the route, as part of the new Erfurt – Halle / Leipzig (NBS) line, north of the municipalities of Karsdorf and Wetzendorf, the extensive Unstruttal.

## THE PROJECT

The construction of the Unstruttal bridge was built according to the latest state of engineering. The roadway runs on jointless and bearingless reinforced concrete girders lying one behind the other. At their ends, the temperature deformation is recorded by special devices.

In a former open-cast mine, the soil had to be dynamically compacted. The roadway girders were built as a prestressed concrete superstructure in sections from the two end points, the abutments. So-called feed scaffolds worked their way over the valley in cycles. The pillars and arches were erected in advance, and the finished superstructure then rests on them.

## FACTS

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| **Location** | Unstruttal , Germany |
| **Status** | completed |
| **Start of construction** | March 2009 |
| **Completion** | March 2012 |

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| **Building owner** | DB Netz AG |
| **Contracting entity** | ARGE Alpine Bau Deutschland AG NL Leipzig/Halle; Berger Bau GmbH,Berlin |
| **Planning** | DB ProjektBau GmbH, Konstruktiver Ingenieurbau, Leipzig Schlaich Bergermann und Partner, Stuttgart |

## SERVICES

Post-tensioning system

Bridge construction

https://www.bbv-systems.com/en/projects/detail/ref/unstruttal-bridge/

Creation: 18.11.2026 02:50