

## Two Suspended deck arch bridges over the A38, building 50.1

<b>Builder:</b>	Free State of Saxony Highway office Saxony
<b>Planning:</b>	Static: engineering company GMG Dresden Implementation planning: Stahlbau Dessau GmbH & Co. KG
<b>Execution:</b>	ARGE "Südümfahrung Leipzig – BW 50.1" Massive construction: Alpine Bau Deutschland AG Steel construction: Dessau GmbH & Co. KG
<b>Construction:</b>	January 2005 - May 2006

During the construction of the motorway A 38, Leipzig southern bypass, the transfer of highway 2 was implemented.

The bridge consists of two parallel adjacent superstructures. This was built as arched cross-hangers.

This "network arch" represents a special feature and results from a Special proposal in collaboration with the engineering company GMG Dresden.

Span between the abutments, respectively:	82.92 m
Width per lane:	25,50 m
Total height of the arched:	15.57 m

The tied arches with a weight of 800 tonnes per deck, were made in a construction period of only 10 months, including final preservation.

This engineering work requires special consideration because of the extremely cold winter in 2006.

