



Middle Rhine Bridge St. Goar, Germany

Client: Landesbetrieb Mobilität Rheinland-Pfalz
Architect: Knight Architects
Consulting Engineer: Engelsmann Peters GmbH
Landscape Designer: G2 Landschaftsarchitekten

Competition: 2008-09 (Shortlisted)

In 2008 the Knight Architects' team was selected to join a list of the world's leading bridge designers competing to design a new crossing of the 65-km long Middle Rhine Valley which, for 45km between Mainz and Koblenz, is crossed only by ferry. The historic valley is a designated UNESCO World Heritage Site.

The twin single-carriageway bridge forms a much needed new highway connection between the transport links which follow the Rhine. The design ties in to local 50kph

roads with minimal land take for highway approaches and sensitively landscaped earthworks.

The central Rhine Valley is an unspoiled natural landscape, characterised by its sloping green sides, and the bridge design responds to the beautiful setting with a classic suspension form designed to complement the shape of the valley and reduce visual impact in the river.

The deck is split to either

side of slender pylons, with the primary catenary cables led to the outside of the structure. Sculptural concrete abutments root the bridge on the east bank and a new man-made island on the west bank, balancing the asymmetric composition about the river span.