



"Spandauer Seebrücke" – Bridge over the river Havel – Berlin, Germany



Key Data

Client:

City of Berlin

Architect:

Walter A. Noebel; Berlin

Structural Engineer:

Leonhardt, Andrä und Partner; Projekt Manager: Martin Krone

Contractor:

Krupp Stahlbau in ARGE
Porr Technobau Berlin

Construction Period:

1996 – 1997

First prize for the design of the "Südbrücke" by Walter A. Noebel and Martin Krone. In 1994 a nationwide bridge design competition took place for a town bridge which was required to be integrated into the new "Wasserstadt Oberhavel" development in Berlin. Eighty-three submissions were received.

The winning design included the following features:

- Total length 302.5 m, total width 28 m
- Steel superstructure with two 1.4 m high box girders
- Foundation for the substructures with large in-situ concrete piles due to the difficult subsoil which had organic layers up to 18 m thick
- Installation of special absorbing bearings to avoid resonance effects
- Dimensioning of pylons in anticipation of ship collision

