

Cable Stayed Bridge Berliner Brücke – Halle/Saale, Germany



Type: Highway

Location: Halle-Saale, Germany

Completion Date: December 2005

Owner: Town of Halle/Saale, Tiefbauamt

Architecture: Architekturbüro U. Graul

Engineering: Grassl Beratende Ingenieure Bauwesen Magdeburg

Steel Fabricator: Donges Stahlbau GmbH

- Bridge length = 171 m
- Span lengths = 86.85 m and 84.15 m
- Bridge width = 20.20 m
- Tower height = 73.25 m
- Total tonnage: 1,900 tonnes of steel S355
120 tonnes of steel S1570 for cables
- Cable-stayed bridge with a central pylon and steel composite stiffening beams
- The 73.25 m high steel pylon: an upside down “Y”
- Six pairs of cables span cross the superstructure from the pylon down to the deck in a fan shape.
- Superstructure: grid of three longitudinal girders and cross girders and the steel composite deck slab on top
- The pylon axis has an inclination of 11° perpendicular to the bridge axis

