

CASTLE FOOTBRIDGE EBNET Freiburg-Ebnet (Germany)

NEW BUILDING

Client: City of Freiburg, through the municipal parks and civil constructions office, Freiburg

**Certified
Inspection Engineer:** Prof. Dipl.-Ing. Matthias Pfeifer

Our services: Structural engineering inspection in accordance with regulations and standards
Static calculations including oscillation analysis
Execution planning
Technical drawings
Random monitoring of the structure during the building phase, also consultation and supervision of the pre-fabrication in the workshop as well as the on-site assembly

Brief description: Newly constructed footbridge with cycle path over the river Dreisam
- single-field girder bridge constructed in steel on reinforced concrete abutments
- span of 30 m
- main structure of three HEB 1000 and welded steel sections
- bottom connections and stiffening done through steel cross-members and bracing elements
- bolted railings
- after pre-fabrication in the factory construction moved by special transport to final site for completion

Structural Planners: Theobald + Partner, Ingenieure, Kirchzarten

Structural Engineers: Theobald + Partner, Ingenieure, Kirchzarten
Winterhalter GmbH, Freiburg

Completion: 2012



Pictures / Illustrations: PfeiferConsult