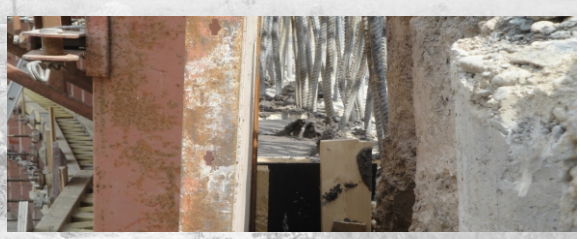
CONSTRUCTIONAL FLOOD PROTECTION MEASURES ON THE RIVER KANDER
Kandern (Germany)

NEW BUILDING



Client:	Town council of Kandern
Certified Inspection Engineer:	Prof. Dipl.-Ing. Matthias Pfeifer
Our services:	Structural engineering inspection in accordance with regulations and standards Static calculations Earthquake engineering Execution planning Planning of prefabricated reinforced concrete parts
Brief description:	Constructional flood protection measures including underpinning of surrounding buildings and a new construction of two bridges and two footbridges over the river Kander, a small river in the Black Forest that joins the river Rhine in Maerkt The whole project includes various individual parts - shafts, 4 m x 5 m, built in the groundwater as a new sewage system not in danger of buoying up - underpinning (jet grouting technique) of the neighbouring buildings due to lowering of the bed of the brook, in places 2 m under the level of the foundation plates - securing the bed of the brook through the partially clamped bored piles and retaining walls - refurbishing of the brook walls with retaining walls of reinforced concrete and through shotcrete walls - construction of two new road bridges in accordance with the DIN technical report #101 - two footbridges, one in reinforced concrete and the other as a steel structure
Architects:	Unger Ingenieurgesellschaft mbH, Freiburg
Structural Engineers:	Regioingenieure GmbH, Lörrach-Haagen
Completion:	2014

Pictures / Illustrations: **Pfeifer**Consult