Reussbrücke Gnadenthal (Switzerland)

Project description

The new bridge crosses the Reuss River in Stetten/Niederwil below the Reusspark Clinic. The bridge structure is based on two elegant river pillars and on the landside abutments. These in turn are supported on cast-in-place concrete bored piles. A trough formed from weather-resistant steel serves as the load-bearing element for the superstructure. The 100 m long superstructure is made of reinforced concrete.

mageba scope

The limited space available on the pylons required special attention in the selection of the structural bearings. mageba's RESTON®SPHERICAL bearings equipped with ROBO®SLIDE sliding material are fitting perfectly to the modern bridge design. In order to minimize the traffic noise emission mageba's plug joint TENSA®POLYFLEX®Advanced was installed. It is the first flexible plug expansion joint to be installed in the canton of Aargau.

Highlights & Facts

mageba Products:

Type:	TENSA®POLYFLEX Advanced PA 60-PU expansion joints
	RESTON®SPHERICAL bearings
Installation:	2016

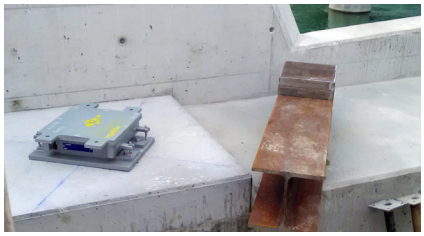
Structure:

City:	Stetten/Niederwil AG
Country:	Switzerland
Type:	Steel composite bridge
Main span:	40 m
Length:	100 m
Completion:	2016
Owner:	Canton of Aargau
Contractor:	Rothpletz, Lienhard + Cie AG in ARGE
Engineer:	Bänziger Partner AG Engineering

The bridge is located between Stetten and Niederwil and spans over the Reuss river

Installation of TENSA®POLYFLEX®Advanced plug expansion joint

Structural bearing RESTON®SPHERICAL bearing installed on the abutment



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