

# Wiesenbrücke (Switzerland)



## Project description

The Wiesenbrücke crosses the river Wiese in the area of the Freiburgerstrasse. The structure is located below the N02 freeway and is part of the local road network of the city of Basel at the Basel-Kleinhüngen junction. The structure consists of two supporting structures, whereby the second bridge was built years later due to the increasing traffic volume.

The particular challenge for the expansion joints are the two bridges, which have different movements due to being built in different designs. For example, a longitudinal joint had to be integrated into an oblique transverse joint.

## mageba scope

In addition to the geometric flexibility, another crucial factor in the selection of the joint was the lowest possible noise emission with low maintenance costs and the possibility of phased installation within very short time windows. By using the flexible plug joint TENSA®POLYFLEX®Advanced PU and a special fly-over system, traffic could be maintained at 100 % during the day and only during nighttime hours individual lane closures occurred.

The existing linear rocker bearings were in a condition worthy of preservation and were undergoing restoration only.

## Highlights & Facts

### mageba Products:

Type: TENSA®POLYFLEX®  
Advanced flexible plug expansion joint  
Refurbishment of historical linear rocker bearings

Feature: Fly-Over

Installation: 2016

### Structure:

City: Basel

Country: Switzerland

Type: Concrete road bridge

Main span: 33 m

Length: 51 m

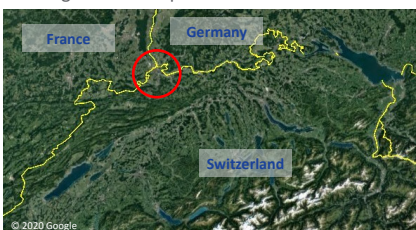
Completion: 2016

Owner: Bundesamt für Strassen  
ASTRA

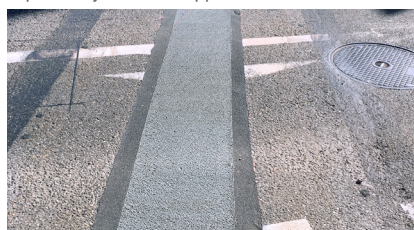
Contractor: Granella AG

Engineer: Aegeter & Bosshard

The bridge is located in Basel in the route of Freiburgerstrasse as part of the urban network



TENSA®POLYFLEX®Advanced PA40-PU flexible plug expansion joint with support beams



Historical Linear Rocker bearing after touch up of corrosion protection

