Viaduct Lavant (Austria)

Project description

The Lavant Viaduct is part of a larger project (the "Vollausbau Pack"), covering a total length of 9.3km and including 9 bridge structures. The largest section, the P19 Lavant Viaduct, is the second highest bridge in Austria. The original bridge was constructed in 1984, and in 2007 a new, parallel bridge with a total length of 935m and a maximum column height of 160m (8 columns) will the completed alongside it. The Lavant Viaduct is an important connection in terms of the construction of Austria's southern motorway, the A2. The construction of this bridge has placed high demands on all parties involved, with geographically challenging subgrade conditions (substantial weathering and degradation of the bedrock, cliffs partially in danger of slipping, etc.). The structure will cost a total of 20 million euro.

Delivered products

For this project, mageba supplied TENSA®FLEX sliding finger joints of Types RC-500 and RC-600 with a movement capacity of 500mm and 600mm respectively. This joint type consists of a novel metal-elastomer fusion system, which gives the road crossing "internal" flexibility. The fingers can thus be installed pre-stressed, thereby permanently exerting slight pressure on the sliding surface. This means that vertical bridge movements can also be absorbed.

Highlights & facts

mageba-products:

Type:	TENSA®FLEX type RC-500 / RC-600
Features:	max. movement 500 mm / 600 mm
Installed:	2007

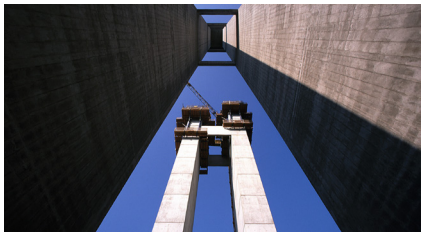
Bridge:

City:	Twimberg
Country:	Austria
Built:	2004-2007
Type:	Box girder bridge
Length:	1'079 m

The bridge is part of the project to extend the A2 southern motorway section from Twimberg to Wolfsberg

The total length of the prestressed concrete structure is 1'079 m

The highest point is 160m above the ground.



mageba
Switzerland www.mageba.ch

mageba sa - Solistrasse 68 - 8180 Bülach - Switzerland - T +41 44 872 40 50 - info@mageba.ch