

Ziepniekkalna overpass – stage 3 (Latvia)



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Project description

The Ziepniekkalna street overpass forms stage three of the Southern Bridge complex which is the most modern of the five bridges over the river Daugava within the Riga city limits. The project includes a 803 m long bridge as well as two stages of multi-level flyovers and overpasses on both shores of Daugava. It currently represents the largest infrastructure project in the modern history of the republic. With finalisation in 2013, construction has been realised within nine years.

The completion of the third stage of the Southern Bridge complex allowed to divert heavy traffic from the centre of the capital and consequently reduced the congestion.

The Ziepniekkalna overpass is located on the first category state road A7 in Riga



mageba scope

mageba supplied both RESTON®POT bearings and TENSA®MODULAR expansion joints for the project. Pot bearings were produced for the load capacity between 1,850 kN and 11,200 kN. Maximum longitudinal movement reached +/-155 mm. Modular expansion joints of lengths 16.4 m and 17.7 m were installed on site. Total movement capacity of each joint is 160 mm.

Moreover and as special feature, ROBO®DUR reinforcing ribs were installed at this bridge for the first time in Latvia. These ribs greatly reduce the deterioration of the asphalt adjacent to the joint and hence prolong the life of the wearing surface and the expansion joints. For this reason, many local designers and contractors joined to follow the trial installation procedure.

The trial installation of the first ever ROBO®DUR reinforcing ribs in Latvia



Highlights & facts

mageba products:

Product: RESTON®POT bearings
TENSA®MODULAR expansion joints
Features: ROBO®DUR reinforcing ribs
Installation: 2013

Structure:

City: Riga
Country: Latvia
Built: 2013
Type: Reinforced concrete overpass
Length: 230 m
Owner: Ministry of Transport
Contractor: TILTS Ltd.
Designer: Inženierbūve, Pro Via

A total of 21 pot bearings have been supplied for Ziepniekkalna overpass by mageba

