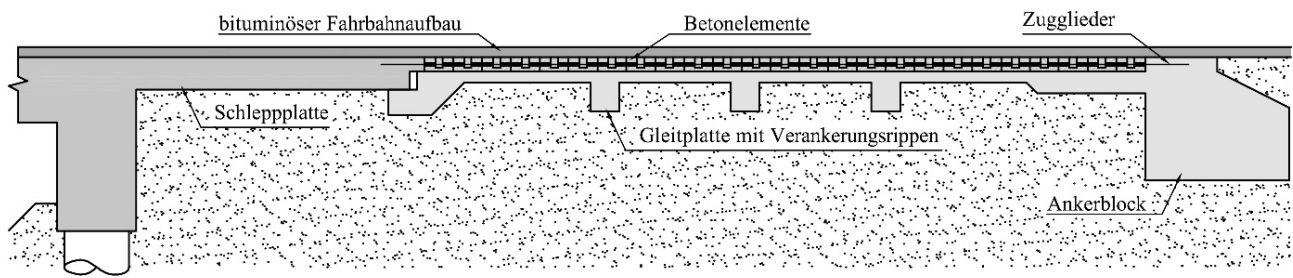


EXPANSION JOINTS FOR BRIDGES



▲ Schematic arrangement of the expansion joint for integral bridges and the first application in the Satzengrabenbridge

At Vienna University of Technology new expansion joints out of precast elements have been developed, which are characterized by flexibility in joint length and lane width, by low noise level and no corrosion risk. Researchers focused on low building costs, easy assembly and long service life. Investment costs as well as control and maintenance costs are extremely reduced in relation to state of the art expansion joints. Long service life postpones the need of reconstruction, reducing traffic interruptions to a minimum and saving on reinvestment costs.

ADVANTAGES

- Low building costs
- Low noise level
- No corrosion risk
- Long service life, avoiding multiple reconstruction measures and therefore traffic interruptions and reinvestment costs

PATENT STATUS

- Proof of concept, simulation, prototype
- Patents granted in Austria (AT514.036), DE, FR, UK, IT, NO, SE, PL, CH (EP2959060)
- First application: "Salzgrabenbridge" by the A5 Nordautobahn in Austria

COOPERATION POSSIBILITIES

- Project based cooperation
- License agreements



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