



research bridges railways tunnelling monitoring technology management international

S59 Strass Bridge

The S59 Strass Bridge, A1 – Western motorway km 246.891, consists of two structures with box girder cross section and spans of 30.00m, 47.00m, 47.00m and 28.00m. The total length of the structure amounts to 152.00m. The bridge was built in 1964.

In the course of the dynamic tests of the Strass bridge by means of BRIMOS® the global maintenance state of the structure was analyzed. These tests serve to obtain results from the vibration behaviour of the structure for the determination and localization of problem zones parallel to conventional bridge examinations. The tests performed are to be regarded as basic measurement. Any measurements carried out in the future are compared to this basic measurement. The change of the structures over the time is quantitatively expressed.

- Client: Upper Austrian Government
- Location: Strass i. Attergau, Upper Austria
- Checking Period: 2003
- Services: Dynamic measurement
BRIMOS® - Assessment and rating



BRIMOS® Services conducted:

- | | | | | |
|------------------------------|--|---|---|--|
| Lifecycle Management: | <input checked="" type="checkbox"/> Condition Assessment | <input type="checkbox"/> Condition Monitoring | <input type="checkbox"/> Rehabilitation Planning | <input type="checkbox"/> Quality Control |
| | <input type="checkbox"/> Lifetime Assessment | <input type="checkbox"/> Traffic Analysis | <input type="checkbox"/> Environmental Influences | <input type="checkbox"/> Risk Assessment |
| Special Measurements: | <input type="checkbox"/> Attendant Monitoring | <input type="checkbox"/> Noise and Vibrancy | <input type="checkbox"/> Deflection Measurements | <input type="checkbox"/> Seismics |