

## Bridge Oberriet - Switzerland

---

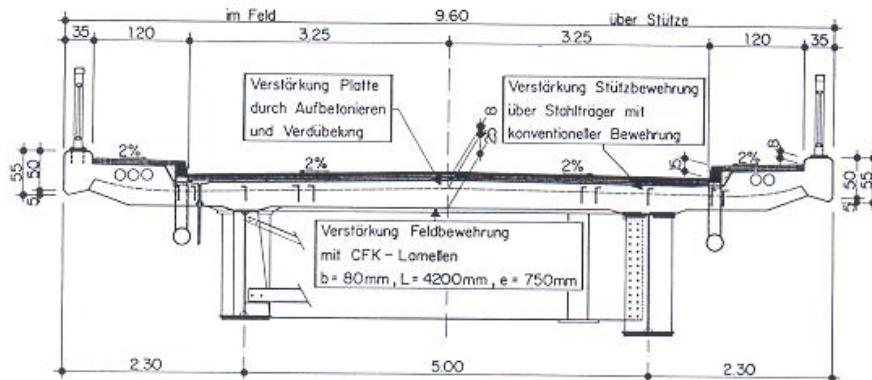


## Quick Facts about Bridge Oberriet

---

- **Name and Location:** Bridge Oberriet, Switzerland and Austria
- **Owner:** Kanton St.Gallen (CH), Land Vorarlberg (A)
- **Structure category:** Medium span bridge
- **Spans:** 3 spans: 35.10 / 45.00 / 35.10 m
- **Structural system:** Steel-concrete composite bridge
- **Start of SHM:** 1996
- **Number of sensors installed:** 24 strain measurements
- **Instrumentation design by:** EMPA

## Project Description



Cross Section of the bridge

## Purpose of Instrumentation

- To acquire information about the long-term behaviour of CFRPs and their composite behaviour together with concrete.



## Sensor Details

---

Type	Number	Location
Deformeter (Length = 200 mm)	24	On CFRP plates -on concrete - from plates to concrete



## Benefits of using SHM Technologies

---

- Monitoring of the long-term behaviour of CFRPs
- Measurements will increase the experience with and confidence in this material



## **Results of using SHM Technologies**

---

- **Measurements show that the CFRP plates are still undamaged and are still working**