

K36 Lammschlucht Gorge, Arch Bridge at the End of the Gorge

Client

Lucerne Canton Construction Directorate
 Office for Transport and Infrastructure,
 Construction Department

Consultant

IUB Engineering AG

Construction period

2009

Construction costs

CHF 115,000

Scope of services

- Construction project
- Tendering
- Implementation project
- Site supervision

Description

The bridge in the Lammschlucht Gorge is a sandstone arch bridge which was built in 1916. The carriageway slab was extended in 1956. Due to crack formations the arch and foundation were reinforced with steel clasps. A deep-anchored foundation with embedded steel clasps was inserted into the lower foundation.

Main technical data

- | | |
|---------------------|-------------------|
| - Steel clasps | 13 pcs. |
| - Concrete | 10 m ³ |
| - Swiss-Gewi anchor | 42 m |

