

## K36 Lammschlucht Gorge – Stabilisation of Engineering Structures Lammschlucht Gorge 2015

### Client

Transport and Infrastructure Department (vif), Lucerne Canton, Construction Department

### Consultant

IUB Engineering AG

### Construction period

2015

### Construction costs

Approx. CHF 300,000

### Scope of services

- Construction project
- Tendering
- Implementation project
- Site supervision
- Commissioning / finishing works

### Description

The numerous engineering structures and foundations in the Lammschlucht Gorge in the area between Chlusstalden and Under Täändli were in poor condition. In May 2015 the structures were repaired thus ensuring their stability for the next 10 years. Numerous supports on the valley-side overhangs were widened with steel sections or concrete pillars. The drainage was expanded in some critical areas to divert water away from the structures. The foundations of several concrete slabs and the northeastern abutment of the Chlusbodenbrücke were secured with anchored concrete consoles. Repairs were made to the overhangs and natural stone wall infills.

Construction lasted five weeks and took place without interrupting traffic.

### Main technical data

Concrete	45 m <sup>3</sup>
Steel brackets	15 pcs.
Swiss-Gewi anchors	90 m

