



A2/6 Spier Cut-and-Cover Tunnel

**Client
Design**

Department of Public Works Canton Lucerne
Engineering Joint Venture IGE N2
– PlüssMeyerPartner AG, Lucerne
– Senn + Partner AG, Horw
– R. Hofer Ingenieurbüro, Lucerne
– Ingenieure WSB, Schröter + Hofer, Emmenbrücke
– BBI Informationstechnologie AG, Kriens
– Locher AG, Zurich

**Site Supervision
Contractor
Joint Venture Partners**

Engineering Joint Venture Schlund
Spier Tunnel Joint Venture
Marti Bauunternehmung AG Lucerne
Gebr. Brun AG
Spaltenstein Hoch und Tiefbau AG
Cellere AG

**Managing Contractor,
Technical Management**

Marti Bauunternehmung AG Lucerne

Project

The oldest segment of national highway in Switzerland lies in Lucerne and is being replaced as part of the redevelopment of the A2 Autobahn, Section 6. The Spier Tunnel has a length of 1,580 m and comprises two 2-lane tubes. The cut-and-cover-construction tunnel, with a reinforced concrete box cross-section, was erected using re-usable formwork large in format.

Construction Period

1998–2004

Contract Sum

CHF 85 million

Services

Cut-and-cover construction of a new tunnel while maintaining passage for traffic.
Special civil engineering works, earthworks, concrete construction, water engineering works and waterproofing.



1. Formwork for the ventilation shaft
2. Spier Tunnel near Ennethorw from the south
3. Formwork for the southern portal