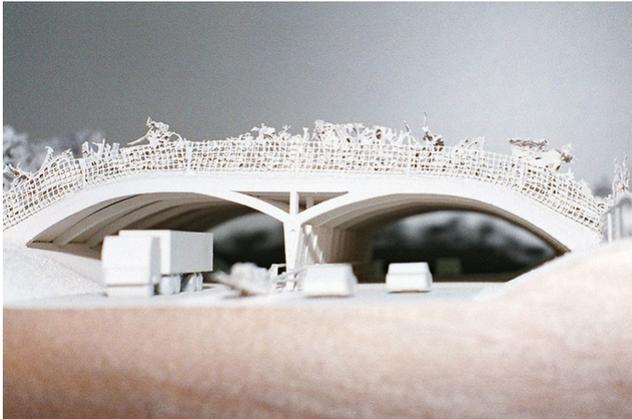


# Project study green bridge Chüsenrain, Neuenkirch

1998



Building a green bridge in wood over a four-lane highway is a special challenge. Even though a lot of water will still be flowing down the Reuss until the groundbreaking ceremony, the study that has been prepared shows approaches for a safe and durable solution.

## The project

The decision From various variant studies, an arch solution with support in the middle was chosen.

## The construction

The structure consists of glulam arch girders with a covering of solid wood planks. On the upper side, an extensive vegetation of about 30 cm thickness is planned. Only in the edge area will more humus be used for shrub planting.



**Construction Data**

- Length 35 m
- Width 50 m

**Construction costs**

- planned costs 2.36 Mio CHF
- thereof shell 1.29 Mio CHF

**Timber Construction Engineers**

Timbatec Holzbauingenieure Schweiz AG, Thun  
3600 Thun

**Civil engineer**

Beat Meyer AG  
6130 Willisau

**Authorities**

Civil Engineering Office of the Canton of Lucerne,  
Department of National Roads  
6010 Kriens

**Project management**

Swiss Ornithological Institute  
6204 Sempach