



Flem Bridge, Flims

New structure

■ fanzun.swiss/referenz/flembuecke-flims_en/



Starting situation and idea

As part of the bypass around the town of Flims, a bridge was to be built above the Stenna valley between the Prau Pulté and Flimserstein tunnels at a height of 25m above the Flembach stream. The two tunnel portals and the roughly 70m long bridge were to visually form a single unit.

Challenges

One of the bays of the tunnel section was located on the bridge, which fixed the road width at 11.5m. Due to the steep 45° incline, the foundation could not be built into the slope. The cutter shield weighing 270t had to be pushed on the bridge before sealing and surfacing the road.

Approach

The 71m long Flem Bridge was designed as a skewed truss bridge with spans of 18.45m, 34.1m and 8.45m. Girder heights vary from 1.4m to 2m. The 12.5m-long transoms have a trapezoidal cross section. The abutments are integrated into the portals of the two tunnels and integrate them into a single unit.

Bauherr: Tiefbauamt Graubünden

Fertigstellung: 2002

Projektart: New structure

Projektverfasser: Fanzun AG

Baukosten: CHF 2.9 Mio

Leistungsumfang: Projektierung, Bauingenieurwesen

Fanzun AG Architekten · Ingenieure · Berater
Ganzheitlich entwickeln, gestalten und realisieren.

Wir erwecken Ideen zum Leben.

Salvatorestr. 66, CH-7000 Chur
Cho d'Punt 57, CH-7503 Samedan

Center Augustin, CH-7550 Scuol
Birmensdorferstr. 108, CH-8003 Zürich

Wölflistr. 5, CH-3006 Bern
Breitfeldstr. 13, CH-9015 St. Gallen

+41 58 312 88 88
info@fanzun.swiss