

Bridge over the Traversinertobel

Design and structural engineering:
Conzett Bronzini Gartmann, Chur
Project management:
Jürg Conzett, Rolf Bachofner


Over the generations, bridge building in Switzerland has produced a whole series of masterpieces. The concrete bridges created by Robert Maillart have become places of pilgrimage for engineers and architects alike, and for some years now, Jürg Conzett has pursued the same goal in his own individual and varied way. Conzett does not stick to one type of construction or material, but likes to experiment, though not just for the sake of doing something new. Structures are developed and through the design, and using appropriate materials, he seeks to bring out the qualities of a particular location. Here he builds a lift bridge, a stone bridge, a timber trussed-frame road bridge, a stone bridge, a timber trussed-frame pedestrian bridge truss bridge, and on the underside. His latest structure is the Traversinertobel, a gorge-like structure on the Via Mala. In this case, it is a footbridge with timber steps. On the eastern side of the gorge, a road leads north from Zillis-Reucheny to Thusis. Coming from Thusis, the road at first reaches the place of the Suransuns crosses the gorge with a ribbon bridge with a span of 100m. In 1999 by Conzett, E. Bachofner. Soon one reaches the village of Rongel. The Traversinertobel branches off to the east. From here

DETAIL

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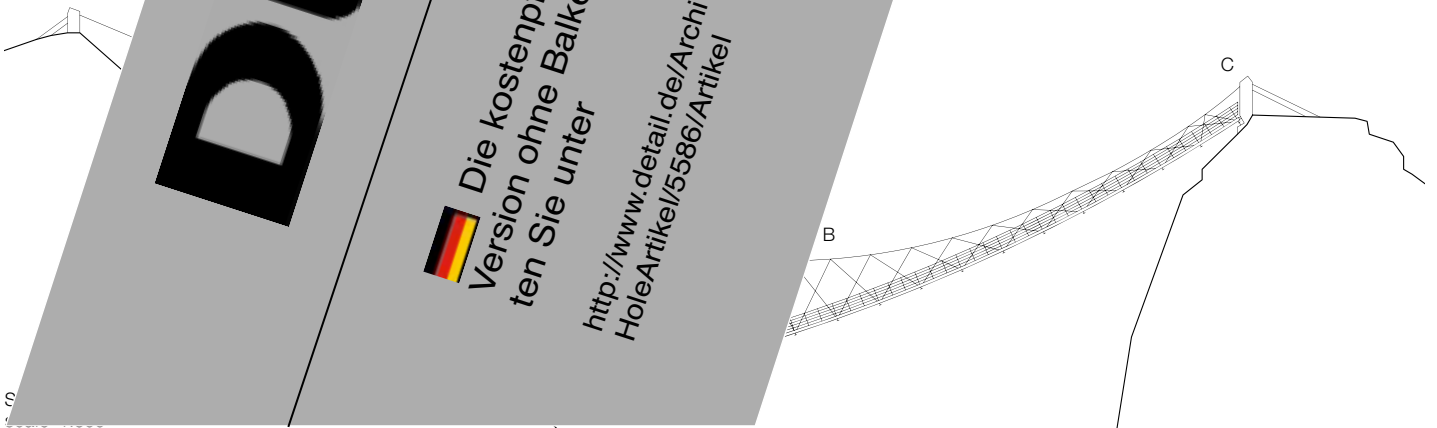
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beams are the ten... over beams that form... pressure-loaded lower... also helps to distribute... may occur. cross-beams and diago... ments form a robust wind... The longitudinal beams sit... line of the path also pre... w down into the 70-metre... thus increasing the sense of... ers. two inner beams are laminated... rs, to which the actual treads are... y bolted. Fixed to every cross-... welded steel-flat balustrade col... between which the balustrade rails... in position in the curved line of the... by two steel rods. minimize the amount of maintenance, ma... s of great durability were used, namely... n and pine heartwood and hot-dip galva... ed steel. Corrosion was reduced and a... gh degree of weather resistance was also... chieved by avoiding horizontal areas wher... ever possible, by minimizing the surface... contact between elements and by ensuring... a free flow of air around such points. Access... to the building site was solely via the hiking... path, and this is reflected in the design, the... form of construction and the choice of mate... rials. A temporary cableway along the axis... of the bridge for the transport of materials... facilitated the construction.



Sections
scale 1:20
Detail B
scale 1:10

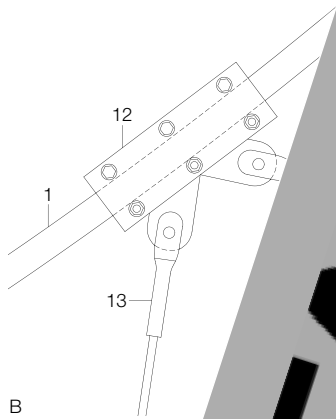
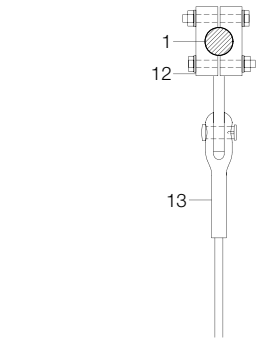
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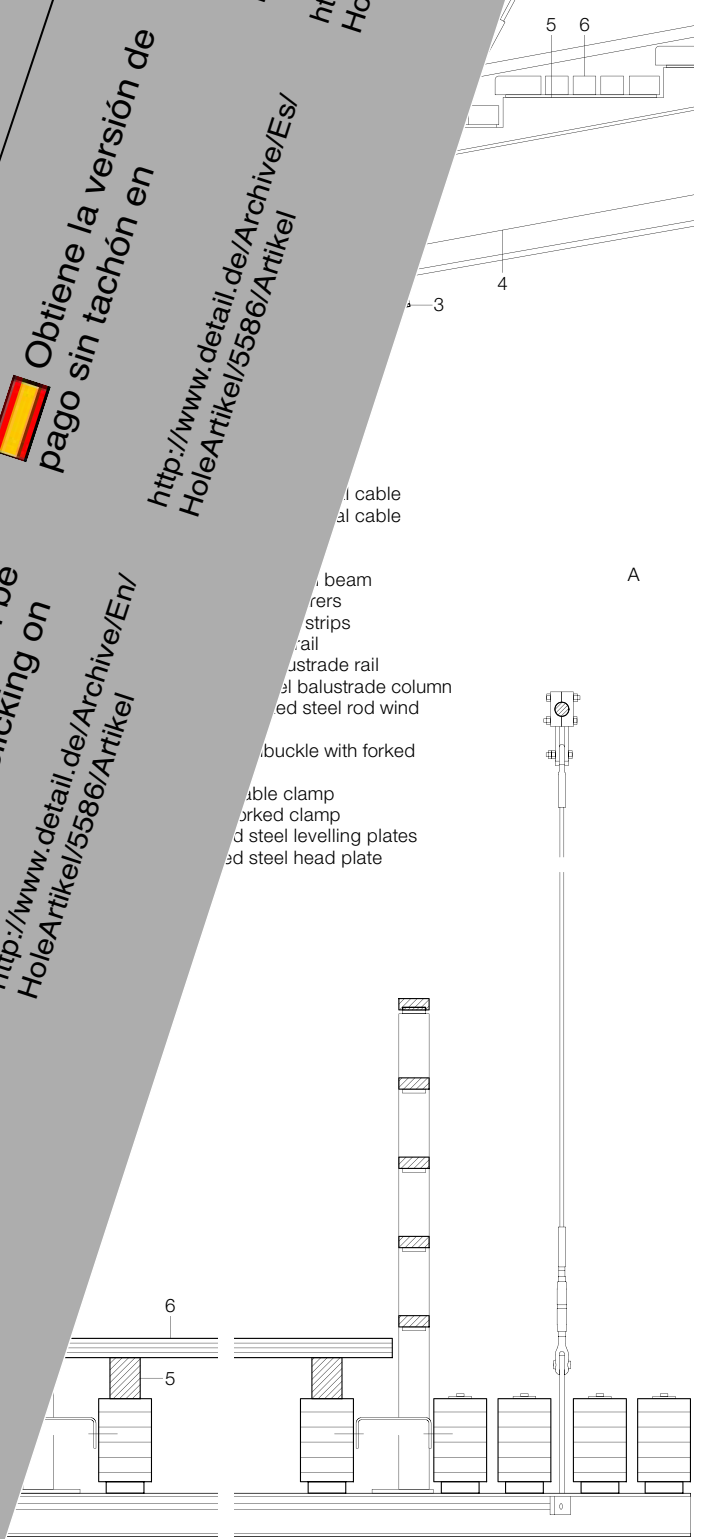
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