



Bodmer Bridge, Chur

Replacement

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Starting situation and idea

The bridge, dating from 1963, only just met the requirements of the applicable building codes. In recent years, the structure had been significantly affected by environmental influences. The bridge superstructure was to be rebuilt and widened to a usable width of 8.50 m in total. Loads were determined in accordance with current standards.

Challenges

The limited installation area and heavy traffic in the urban environment only allowed for partial demolition of the right-bank abutment. It was important to keep disruption to RhB rail operations to a minimum. Existing and future utility lines were integrated into the two recesses beneath the bridge. The new bridge can carry higher loads and has larger bridge dimensions.

Approach

The installation platform beneath the existing bridge served both for demolition and as falsework for constructing the new bridge. Micropiles were used to reinforce the right-bank abutment. To minimise deformations and increase slenderness, the bridge was prestressed in the longitudinal direction.

Developer: Tiefbauamt Stadt Chur

Completion: 2018

Project type: Replacement

Project author: Fanzun AG

Construction costs: CHF 1.4 Mio

Scope of services: Development, Project Management, Construction Management

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Wir erwecken Ideen zum Leben.

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