

Bridge over the Kappelbach in the course of Oberfrohnauer street in Chemnitz - Siegmars

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Services:
Structural engineering
Lph. 3-5 nach HOAI §64

Client:
City of Chemnitz
Publics works department



Costs 380 T€

Structural engineering

In the course of removing the Oberfrohnauer street in Chemnitz Siegmars has also been renewed over the Kappelbach.

The existing bridge in 1933 was cancelled and replaced by a 5.50 m wider bridge structure.

The total width of the new bridge is 19.75 m. It has an inside diameter of 7.40 m, and a maximum clear height of 2.00 m. In addition to the two lanes on both sides are arranged in a pedestrian and bicycle path on one side.

When the bridge structure is resting on an abutment in the transverse and longitudinal sloping slab of reinforced concrete. On both sides of bridges were constructed of textured concrete caps.

The establishment of the two abutments was made on bored pile walls.

After completion of construction, the existing abutment wall in natural stone masonry to the new introduced.