

Infrastructure – K 34 Wolhusen – Ruswil

Wolhusen / Ruswil · 2020

SERVICE AREA

General civil engineering and road construction, road drainage, paving construction, concrete construction, special civil engineering

PROJECT OVERVIEW

The cantonal road K 34 connects the community of Wolhusen to Ruswil. The approximately 4,800 meter long section of road was renovated and expanded. The types of work included general civil engineering and road construction (works pipes, sewer systems, edge terminations, paving construction on cantonal roads). As part of the renovation, two new bridges were built with a span of up to 30m1, as well as retaining walls made of in-situ concrete with a total length of 400m1. The foundation of these structures was deep-founded using large bored piles and micro piles. Furthermore, three large block stone walls were newly built with a stone volume of up to 8,000 tons. The respective excavation pits were secured using nail walls or sheet pile walls. In addition, the stream bottom in the area of the new bridges was adjusted and renatured. The big ones

Main quantities

Trench construction 6,000 m¹, control shafts staggered 115 pieces, excavation 32,000 m³, old pavement dismantling 8,500 m³, concrete demolition 43,300 m³, new pavement 22,000 tons, concrete installed 3,700 m³, large bored piles NW 900, approx. 200m¹, Swiss Gewi micropiles, approx. 5,600m¹, installation of foundation layers 35,000m³, 6 pcs. bus concrete slabs. Civil engineering, road construction, concrete construction, special foundation engineering, hydraulic engineering

Special features: were the quick construction time and the difficult subsoil that was encountered.

