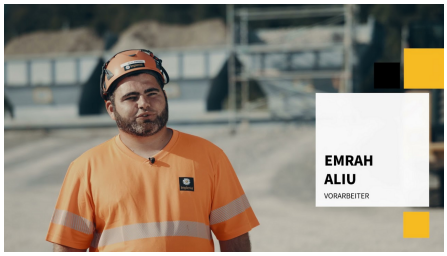
Reference

Südwestumfahrung Brugg









SHORT DESCRIPTION

The new bypass will connect the lower Aare valley with the A1 and A3 motorways and provide access to Brugg/Windisch.

THE PROJECT

The Brugg south-west bypass project consists of three sub-projects, the new construction of the south branch of the K128, the new construction of the west branch of the K128 and the new construction of the connecting link K401. This new bypass will connect the lower Aare valley with the A1 and A3 motorways and provide access to Brugg/Windisch.
Within this project, a complete two-lane road construction with two concrete roundabouts including various works and drainage lines was realised. Various concrete retaining walls with noise protection elements, bridge renovations and new bridge constructions, renewal and renovation of level crossings and compensation measures round off the complex overall structure.

SERVICES IN DETAIL

- Utility cable blocks VT: 3'300 m
- Service line blocks EW/water/gas: 5'000 m

- Sewerage/Drainage: 3'250 m various sizes and combinations
- Stone baskets: 1'250 pcs.
- Retaining walls: 1'365 m
- Noise protection elements: 240 pcs
- In-situ concrete: 8'300 m^3
- Nail wall: 1'250 m^2
- Anchors: 220 pcs
- Excavation: 250'000 m^3
- Pavement demolition: 25'000 m^2
- Backfill/fill: 60'000 m3
- Foundation layers: 40'000 m^3
- Asphalt: 21'000 tons
- Edge finishes: 2'000 m
- Concrete pavements: 2'850 m^2

CHALLENGES

The biggest challenge was to shorten the construction time by one year during the course of the project, which was an enormous coordination effort and feat of strength. Thanks to project optimisations, bundling and cooperation of various departments and specialities from the Civil sector, we were able to present our professional competence and clout impressively and successfully.

Thanks to Circular Economy, we were also able to demonstrate how construction and resource conservation can be brought into harmony.

SUSTAINABILITY

- Circular Economy

FURTHER INFORMATION

To the News

FACTS

Location	Brugg/Windisch/Hausen , Switzerland
Status	completed
Construction volume (value of our services)	33 M CHF
Start of construction	April 2019
Completion	October 2021
Building owner	Departement Bau, Verkehr und Umwelt
Project management	Klaus Theismann, Alexander Stritt, Katja Wagner, Christian Huber
Construction management	Ingenieurgemeinschaft SWU-B-W Eichenberger AG, Gerber + Partner AG
Construction management	Ingenieurgemeinschaft SWU-B-W Eichenberger AG, Gerber + Partner AG

SERVICES

- Road construction
- Earthworks
- Stabilisation
- Construction of drains and service lines
- Concrete surfaces: roads
- Road and surface construction
- Urban transport infrastructure

https://implenia.com/en/references/detail/ref/suedwestumfahrung-brugg/

Creation: 20.11.2026 19:00