

Replacement of the Utility Lines in Berglistrasse

Client

Tiefbauamt der Stadt Luzern und Energie Wasser Luzern AG
 (Lucerne Civil Engineering Office and Lucerne water and energy utility)

Consultant

IUB Engineering AG

Construction period

2012

Construction costs

Approx. CHF 0.6 million

Scope of services

- Construction project
- Tendering, bid evaluation, contract award
- Execution design
- Implementation
- Commissioning

Description

The utility lines were replaced along a 300m stretch of the Berglistrasse in Lucerne (section between Untergütschstrasse and Bruchmattstrasse) by ewl Wasser AG, ewl Rohrnetz AG and the Civil Engineering Authority of the City of Lucerne (Dept. of Urban Drainage).

Due to their condition the water and mixed water pipes had to be completely replaced. The natural gas pipeline running in parallel also had to be replaced. During construction works this section of the Berglistrasse was closed off to traffic and buses were redirected. The road was resurfaced where the trench had been excavated. At a later date the entire road will be resurfaced.

Main technical data

- Wastewater pipe
 PP-R DN 315 - 500 280 m
- Water pipe GD DN 150 300 m
- Natural gas pipe BE 180 300 m
- Base course layer AC T 32 S 280 t
- Base course layer AC T 22 N 280 t
- Concrete layer AC 11 S 100 t

