

Replacement of Utility Lines in Zinggendorstrasse 2014 to 2015

Client

Abteilung Siedlungsentwässerung (Dept. Of Urban Drainage)
 ewl Wasser / Kabelnetz AG
 Tiefbauamt Stadt Luzern (Civil Engineering Authority of Lucerne)

Consultant

IUB Engineering AG

Construction period

2014–2015

Construction costs

CHF 400,000

Scope of services

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

Description

The utility lines were replaced along a 320m stretch of the Zinggendorstrasse in Lucerne by ewl Wasser AG, ewl Kabelnetz AG and the Civil Engineering Authority of the City of Lucerne (Dept. of Urban Drainage). Due to their condition the water, cable and mixed water pipes had to be completely replaced. During construction works Zinggendorstrasse was closed off to traffic in sections. The road was resurfaced where pipes had been replaced. The surface will be replaced over the complete breadth of the road at a later date.

Main technical data

- Conduit block for sewage water pipe
 PP-R DN 200 75 m
- Water pipeline GD DN 150 320 m
- Power line PE DN 120 180 m
- Base course layer AC T 22 N 200 t
- Base course layer AC T 32 S 100 t
- Concrete layer AC 11 N 150 t

