

Road-Rail intersection planning for new Limmattal light rail train line



The new Limmattal light rail train line will link the cantons of Zurich and Aargau. Playing a key role in this major construction project, the ÜK3 engineering consortium has assumed responsibility for planning the traffic-control systems along the railway, including the temporary systems that will need to be deployed during the construction phase. As the lead partner in the consortium, EBP is overseeing all traffic-control measures.

The Limmat Valley is one of the most dynamic regions in Switzerland. Planners agree that it will be necessary to expand the public-transportation system to ensure the ability of the Limmat Valley's communities to keep pace with economic developments. From the end of year 2020 onwards the new Limmattal light rail train line will connect the municipalities of Zürich-Altstetten, Schlieren, Urdorf, Dietikon, Spreitenbach and Killwangen. The first segment of the new light rail train line from Zürich-Altstetten to Schlieren is set to open in the fall of 2019.

Reducing traffic congestion in the Limmat Valley

One aim of the new Limmattal light rail train line with its 27 Station stops is to sustainably alleviate traffic congestion in the Limmat Valley and ensure sufficient public-transportation capacity.

Altogether, the line will cross 54 signal-controlled, road-rail intersections. Provision is to be made to secure the best possible flow of road traffic throughout the new Limmattal light rail train line's construction. The ÜK3 engineering consortium has been assigned to plan and realize the general traffic-routing

Client

Limmattalbahn AG

Facts

Period	2015 - 2022
Project Country	Switzerland
Railway length	13.4 km
Average speed	22 km/h
Maximum speed	60 km/h
Project cost	CHF 755 million

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concept, all signal-control and barrier systems, as well as all electronic signposts and traffic markings. While overseeing the planning and installation of these traffic-control systems, EBP is working closely with its partners tribus verkehrsplanung and Rudolf Keller & Partner.

The project is being financed by the cantons of Zurich and Aargau, as well as the federal government.

Visualization: Architron GmbH, Zürich