

FEDERAL ROADS OFFICE (FEDRO)

A1 EXPANSION NORTHERN ZURICH BYPASS



Client	Federal Roads Office (FEDRO)
Processing period	2004 - 2025
Project costs	1.55 Mia. CHF (price basis 2006)

The northern Zurich bypass between the Limmattal interchange and the Zurich North junction became operational in 1985. Today, the traffic volume at this motorway section exceeds 120'000 vehicles every working day. Traffic jams are frequent and there has been an increase in the occurrence of accidents.

The Federal Roads Office is improving the traffic situation on the northern Zurich bypass with an extension of the roadway to six lanes and the construction of a third tunnel tube.

Other core aspects of the improvements included in this key federal project are the two redesigned junctions at Weiningen and Zurich-Affoltern, as well as a new 100 m long covering in Weiningen. As an environmental compensation measure, a 580 m long covering with recreational areas will be constructed between Katzenseestrasse and Horensteinstrasse. The two existing tubes of the Gubrist tunnel will also be refurbished. Extensive environmental protection measures are to be implemented for the entire project and in particular for the protected marshlands around the Katzensee. The improvement also requires flanking measures in respect of traffic to provide effective and sustainable support for a transfer of traffic from other main roads to the high capacity road.

With few exceptions, two lanes in both directions will be continuously available for traffic for the entire duration of the construction phase. The excavation material of the third tube of the Gubrist tunnel will be loaded onto railway wagons via the temporary loading station in Zürich-Affoltern, and deposited in the quarry Oberegg, AG. Thanks to this measure, roughly 100'000 truck trips will be avoided.

R+R has advised and assisted the Federal Roads Office ASTRA since 2008 as staff unit for the overall project owner in project management and since 2011 also as staff unit environmental consulting. As project-owner support, R+R is responsible for contract controlling, cost and budget management and the implementation of environmental protection measures.