

Intersection - free upgrade of the Frankish Expressway (FSW), Nuremberg

The project:

Daily traffic jams, the load limit of the road being exceeded and a disordered traffic flow through three traffic lights – this has been the situation on the main Frankish Expressway (Frankenschnellweg) within the Nuremberg road network for some time now. The City of Nuremberg is therefore planning the intersection-free upgrade of the Frankish Expressway.

The project is divided into two sections.

The West section involves the Nuremberg/Fürth and Jansen Bridge junction. Noise barriers are to be erected on both sides over a length of approximately 1.3 km of the 1.8 km total length of the section. A third lane will also be added in the direction of the port.

The central section concerns the Rothenburger Strasse and the Otto Brenner bridge. In this section, the FSW is to be divided into a surface level and a subsurface level.

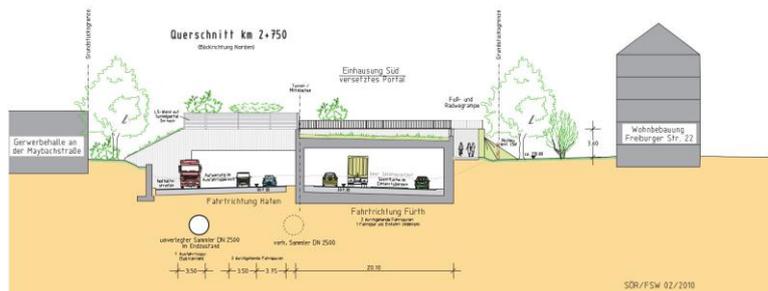
The level above the ground comprises the conversion of the existing Rothenburger, Schwabacher and Landgraben Strasse road intersections and the new construction of the Kohlenhofstrasse, a 4-lane entrance to the city. The aim of this is to accommodate the incoming and outgoing traffic flows in the city.

The underground level is to be constructed in an open design, with two structurally separate tubes and 2 lanes in each direction. The tunnel length is 1.8 km.

The major challenges of the project include the complex construction of 5 railway bridges, the signaling of intersections and landscaping work.

Good reasons for the upgrade:

The improved traffic flow will reduce noise and pollution; new cycle tracks and pedestrian paths will be created, and greenery will be planted on the tunnel top.



ARGE FSW project management services:

The ARGE Frankenschnellweg project management, consisting of the sfirion AG and Dr. Baumgärtner GmbH, was commissioned by the City of Nuremberg with project management services pursuant to Section 205 AHO.

This work is to provide the following services:

- Organization, information, coordination and documentation,
- Qualities and quantities,
- Costs and financing
- Dates,
- Contracts and insurance,
- Risk management.

Client

City of Nuremberg, represented by SÖR – Servicebereich Öffentlicher Raum (Public Sector Services)

Contracting authority

SÖR

Reference person
Dipl.-Ing. Ramona Bretschneider
SÖR Project Manager

Implementation time
2013 - 2025

Construction cost
appr. EUR 449 million

Contract value
appr. EUR 5.3 million

Services provided by sfirion AG

- Coordination, documentation and organization
- Deadline and cost control
- Contract administration
- Risk management
- Quality management

Work phases
LPh 1-8