

A5 North Highway, Ypsilon, Lower Austria

Outside Vienna, HOCHTIEF Construction Austria is realizing sections of the massive Ypsilon PPP road construction project in a joint venture engaged by the Bonaventura concession company. HOCHTIEF PPP Solutions has a major stake in Bonaventura. The project includes sections of the A5, S1 and S2 highways, which will link the capital with the Weinviertel area. Together, the individual construction sites make up a 51 kilometer section of the north highway and north-eastern bypass.

The advantages for the region are obvious: less traffic on narrow country roads or through villages and a faster connection to Vienna and from the capital to the Czech Republic. The improved transport infrastructure will also make Lower Austria a more attractive location for industry and business.

This remarkable infrastructure project with its massive construction machines demands accurate, efficient and well thought-through work from our teams. The construction control center for the project is literally the size of a village: the joint venture's main office comprises 228 construction containers. The mega-project was launched in summer 2007 with around 150 white-collar and 160 blue-collar workers. At peak times, more than 1,500 people are deployed on the Ypsilon project.

To ensure that this key infrastructure project disturbs local communities as little as possible, the client has also entrusted the HOCHTIEF-led operator consortium with the task of communicating with local residents. Via a Bonaventura newsletter, the communities concerned are currently being informed about the progress of work and the impending construction phases.



For this project, HOCHTIEF Construction AG bundles its accumulated expertise and technical know-how in the field of infrastructure construction. Streif Bauleistik is responsible for many of the site installations and provides the construction machinery and equipment required.

With as much as nine million cubic meters of earth to be moved—enough to fill 3,600 Olympic swimming pools (50 m x 25 m x 2 m)—heavy machinery plays a vital part in the Ypsilon project.

For the turnkey construction of the highway sections, the joint venture will receive around 800 million euros from the client Asfinag. One special feature of this project: in addition to the physical construction, the contractor is required to provide all design services and secure all official approvals. Moreover, the consortium assumes a number of risks that would otherwise be borne by the client, such as the risk of inflation.

Project data

Technical data:

- Length of section 51 km
- Volume of earth moved approx. 9 million m³
- Noise protection measures approx. 81 km
- Concrete pavement carriageway 1.3 million m³
- Asphalt 380,000 t
- Concrete approx. 1.1 million m³
- Reinforcement approx. 80,000 t
- 18 underpasses
- 76 bridge structures
- 7.4 km tunnel sections (4 tunnel structures) with state-of-the-art tunnel equipment
- approx. 30 traffic census sections
- Control building with highway maintenance unit, complete vehicle pool and own monitoring center for tunnels
- Two service areas with parking spaces for a total of 400 cars/260 trucks, hotel, seminar rooms and truck driver rest facilities

Construction period:

Start	2007
End	2010