

S 07, Fürstenfeld Expressway, Construction Lot 05, Bridge over the ÖBB



SHORT DESCRIPTION

Construction of an Expressway in Fürstenfeld, Austria

THE PROJECT

As part of the S 07 Fürstenfeld Expressway project, Construction Lot 05, a bridge was built over the ÖBB railway line as part of the expansion of the transportation infrastructure in Fürstenfeld (Austria).

The structure ensures that the new expressway runs without intersections and contributes to improving traffic flow and road safety in the region.

BBV Systems GmbH was responsible for the on-site fabrication of the tendons, as well as their prestressing and grouting. The use of prestressed concrete construction made it possible to realize a cost-effective and durable bridge structure.

SERVICES IN DETAIL

- Prestressing Technology, Bridge Construction:
 - Internal strand tensioning method with post-tensioning
 - 66 metric tons of L12 prestressing steel, in accordance with ETA 05/0202, with Ø80 casing tube and 104 L12 prestressing anchors
 - 32 accessible fixed anchors L12
 - 24 L12 fixed anchors embedded in concrete
 - Additionally: Connection of a nitrogen system during the winter to protect the prestressing tendons from corrosion

CHALLENGES

- Very high stringers, limited working space
- Working in box girders on ceiling pilasters

FACTS

Location	Fürstenfeld , Austria
Status	completed
Construction volume (value of our services)	152,000 EUR
Start of construction	January 2020
Completion	January 2021
Building owner	ASFINAG
Contracting entity	Kostmann GesmbH



<https://www.bbv-systems.com/en/projects/detail/ref/s-07-fuerstenfelder-schnellstrasse-baulos-05-bruecke-ued-oebb/>

Creation: 04.09.2026 23:10