

## Elbebrücke, A 14, Wittenberge



### SHORT DESCRIPTION

The project consists of the road bridge over the river Elbe, which is built as part of the new construction of the A14 Magdeburg – Schwerin motorway, located south of the city Wittenberge.

### THE PROJECT

The new Elbe bridge is being built west of the existing B189 road bridge and is part of section 3 of the motorway A14 between Seehausen Nord junction and Wittenberge junction.

It is divided into an approach bridge with two separate superstructures (one in each direction) and a single superstructure bridge over river Elbe, consisting of a steel superstructure with an orthotropic composite deck.

The approach bridge is constructed with a post-tensioned middle beam cross section and consists of two superstructures, each having a width of 14.05 m between the railings and a height of 2.10 m. Having 14 spans with lengths of 44.50 m – 12 x 50 m – 50.65 m it reaches a total length of approx. 695 m.

The internal bonded BBV PT system is used for the longitudinal post-tensioning of the approach bridge superstructures.

Mild reinforcement is used in transversal direction.

The superstructures are being built span by span using the movable scaffolding system (MSS) method.

## SERVICES IN DETAIL

- Bonded multistrand post-tensioning system
- Approx. 800 tons prestressing steel
- Production, delivery and installation of approx. 600 pcs. prefabricated tendons type BBV L22, approval Z-13.1-114, steel grade ST 1660/1860, 150mm<sup>2</sup>, average length L= 50.30 m
- Tendon Prefabrication in 67240 Bobenheim-Roxheim
- Delivery to Wittenberge
- Prestressing and grout injection works performed by qualified BBV personnel

## FURTHER INFORMATION

[Article and podcast in Impact – New construction of the Elbe bridge near Wittenberge](#)

## FACTS

<b>Location</b>	Wittenberge , Germany
<b>Status</b>	completed
<b>Construction volume (value of our services)</b>	2.883 M EUR
<b>Start of construction</b>	February 2024
<b>Completion</b>	July 2025
<b>Contracting entity</b>	Implenia AG

## SERVICES

Post-tensioning system

Bridge construction



<https://www.bbv-systems.com/en/projects/detail/ref/elbebruecke-a-14-wittenberg/>

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