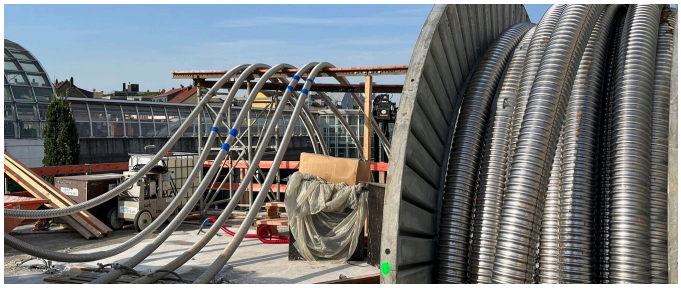
BBV SYSTEMS
WIR SORGEN FÜR SPANNUNG | WE STRESS FOR STRENGTH

Reference

Hochstraße Süd - Ludwigshafen







SHORT DESCRIPTION

The new bridge serves as a replacement for the Pilzhochstraße between Weißer Hochstraße and Konrad-Adenauer-Brücke. It offers more safety and less road noise with the same bridge width.
Thanks to our motivated staff and our flexibility, it was possible to build 6 instead of the originally planned 5 construction phases in the 2024 calendar year.

THE PROJECT

The main supporting structures of the separate superstructures (in the direction of Mannheim and Bad Dürkheim) are generally wide, single-webbed slab beams in prestressed concrete construction. The width of the webs varies depending on the width of the road. The bridge is located in an inner-city area with a limited construction area. Constraints result from the inner city location as well as from the technical, scheduling and construction process-related interfaces. The bridge has a length of over 520 m, runs parallel to railroad tracks and crosses various streetcar lines.

The tendons are prefabricated in our factory in Bobenheim-Roxheim, are delivered to the construction site and can then be installed quickly and efficiently on site. Just one week after the concreting of the individual construction sections, the

tendons are prestressed to the required strength and then grouted.

SERVICES IN DETAIL

252 prestressed prefabricated tendons with subsequent bond - produced and delivered from our factory in Bobenheim-Roxheim:

- 137 pcs. BBV L22FE fixed anchor
- 147 pcs. BBV L22S stressing anchor
- 110 pcs. BBV L22 FÜK Fixed overlap couplers
- Installation of BBV L22 prefabricated tendons with an average length of approx. 70 m
- Prestressing and grouting on site by our qualified, German-speaking and experienced personnel
- Processing of 418 tons of prestressing steel

Approvals and certifications

CHALLENGES

- Inner-city construction site with little space
- Large construction sections up to 70 m long
- Short planning time, resulting in a high need for coordination with all companies involved. From plan handover to delivery of the tendons in just a few weeks.

FURTHER INFORMATION

ARGE Implenie - Heberger

Construction project company Ludwigshafen mbH

Rheinuferstraße 9
67061 Ludwigshafen

FACTS

Location	Dammstraße 10, Ludwigshafen , Germany
Status	completed
Construction volume (value of our services)	1.4 M EUR
Start of construction	June 2024
Completion	October 2025

SERVICES

Post-tensioning system

Bridge construction