



Temporary bridge in Planá nad Lužnicí finally removed as the construction of the new bridge is now completed.

For over a year, cars, pedestrians and cyclists in Planá nad Lužnicí had to queue up in slow traffic and wait at traffic lights to cross the river on a temporary bridge. This has now come to an end, as a new elegant bridge over the Lužnice River, built by Colas CZ and FIRESTA-Fišer, was put into early operation on 15 September 2023.

The arch bridge, which is almost 82 metres long and has no central pillar, replaced the original old concrete bridge that stood on the same site and had reached the end of its life. The supporting structure of the new bridge consists of a steel-reinforced arch and a composite concrete bridge deck. The designers also paid attention to the aesthetic value of the bridge, which stands in the middle of a town of almost four thousand inhabitants in southern Bohemia. The elegant bridge over the Lužnice River is only 5.6 metres above the road at its highest point. This is also the only point at which the arch is reinforced with two frame braces. The arch itself was painted blue in agreement with the representatives of the Planá nad Lužnicí municipality.

Outside the new bridge there are pavements with sloping ramps. Thanks to the raised railings, they also meet the safety parameters for cyclists. The project, financed by the South Bohemian Region, also included the construction of another bridge over the headrace of the Planá nad Lužnicí hydroelectric power station. Over thirty metres long, it is made of precast concrete girders.

The entire project took more than two years to complete. Colas CZ first had to relocate all the utility networks, then demolish the old bridge and build a temporary one.

"The demolition of the old bridge, the construction of a temporary bridge to maintain traffic, the works on the utility tunnel under the river and finally the construction of the new bridges in Planá nad Lužnicí - it was all a great challenge for us. I am glad that together with FIRESTA-Fišer we were able to benefit from our previous experience in joint projects and we managed to complete the works on time and in the required quality," says Tomáš Kroner, Chairman of the Board and CEO of COLAS CZ.

"The most technically challenging part for us was the 123 metre long utility tunnel, which we built at a depth of about five metres below the normal water level of the Lužnice River. It is a cast-in-place concrete structure which houses all the cabling and distribution systems that originally ran outside the old bridge," explains Jakub Vodňanský, Site Manager of Colas CZ.

Construction workers now have about two months to complete the works. This includes greening the area around the bridge and paving the river banks with quarry stone. However, the bottom of the Lužnice River in the area under the bridge will not be altered in any way.



Colas (www.colas.cz)

Colas CZ has been operating on the Czech market since 1994. The company specializes in the construction and rehabilitation of motorways, roads, urban and municipal roads, tramway and railway tracks, parking lots, sidewalks and cycling paths. Colas CZ also produces asphalt mixes, polymer-modified bitumen and crushed aggregates. In addition, the company's portfolio of works includes the construction of bridges and concrete structures, retaining walls and utility tunnels. Colas CZ's current projects include the reconstruction of D48 Motorway or the construction of D3 Motorway. In the past, the company refurbished, for example, the Žďákovský Bridge, the General Patton Bridge in Plzeň or the Davle Bridge; as regards bridge construction, Colas CZ built new bridges on the Vraňany-Hořín Navigation Canal or in Kácov.

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