

PRAHA, 3 March 2020

Správa železnic will Repair a Bridge on the Line Rumburk - Sebnitz

At the end of February, Správa železnic signed a contract with the supplier of a complete reconstruction of a bridge over Karolína Valley in the village Vilémov u Šluknova on the railway line Rumburk – Sebnitz. The reconstruction will ensure keeping this cross-border line rideable in required parameters. This investment for a price of approximately CZK 217 million will be implemented by the company Společnost – most přes Karolinino údolí, consisting of the firms FIRESTA-Fišer, rekonstrukce, stavby and Chládek a Tintěra, Pardubice.

The bridge with seven openings is 217.3 metres long and dates from 1904. The first and the seventh opening have a stone arch construction; the second and the sixth one have a steel truss construction. The maximum height of the bridge over the valley is 34 metres. After 116 years of operation, the steel components especially are at the end of their life cycle. That is why Správa železnic opted for a reconstruction so that the line can continue to serve for commuting to work, to school and to excursions. The new bridge will not change the land shape in any way; it will consist of a steel truss welded construction in the same shape and with similar dimensions as the original ones.

The stone granite masonry of the bridge pillars will be fully cleaned, re-jointed and fortified by grouting to ensure further durability of the lower construction masonry. For placing a new steel bridge deck, reinforced concrete pier caps will be built on the pillars. The current stone arches will be saved in the same way as the connected lower construction (the pillars). Due to unsatisfactory obstruction clearance, a reinforced concrete transition slab with ledges will be placed on the arches to allow placing the railings in the required distance from the track axis.

The railway superstructure will be exchanged in the necessary extent; the railway substructure will remain preserved. The bridge reconstruction will require necessary restrictions in railway operation. Construction of new pier caps will be carried out within two-days closures planned for weekends during the period from 16 May up to 28 June. A continuous closure in railway operation for 91 days from 1 September to 30 November this year will be necessary for exchanging the bridge deck.