

# **RAILWAY BRIDGES UNDER VYŠEHRA**

## **Verbal evaluation of Concepts**

### **CONCEPT NO. 4**

#### **TRANSPORT SOLUTION**

The solution of platforms, platform edges and track layout of the Výtoň stop is designed with reservations, but with sufficiently solved connection of the basic traffic flows. Solution of pedestrians' and cyclists' movement with better connection in the direction of Smíchov and worse connection in the direction of Výtoň. Only one-sided shared path 4 metres wide.

#### **ARCHITECTURAL AND URBAN DESIGN**

Overall, an unconvincing architectural and urban design that does not respect the broader context of the area. Adding of pillars and supports is inappropriate, they are technically, aesthetically and colour-wise unconvincing, with further restriction of the fairway. Preservation of the current structure is not addressed in detail.

#### **FUTURE OPERATION**

The contactless track design is not documented, which will probably affect the design of the bridge structure. The structure under the tracks is firmly connected and if exclusion from traffic is necessary, the traffic will have to be excluded from all three tracks. The bridge structure meets the requirements for standard maintenance and high robustness. The combination of different support structures is perceived as a slight negative.

#### **TECHNICAL PARAMETERS**

The design is structurally and technically unconvincing, with five bridge spans and many new supports. The location of the diagonals in the main structure of the arch and their dimension is disputable. Overall, the Concept gives the impression of a rather temporary structure, which indicates an inappropriate concept of the design.

#### **RESTRICTIONS DURING CONSTRUCTION**

One structure in 3+0 track layout implies a time restriction in the range of comparable designs in this layout, the length of this restriction being longer than the necessary traffic restriction in the case of other design concepts. However, the reality of the restriction is not documented in detail comparable to some other Concepts.