

Bridges

Modernisation of European Transport Corridor Vc: Reconstruction of Nine Bridges Croatia



Croatian Railways commissioned Lahmeyer International to provide assistance during the upgrading and rehabilitation of the Pan-European Transportation Corridor Vc, passing through Croatia in north-south direction.

The project mainly covers the sections Beli Manastir - Osijek - Slavonski Samac and Metkovic - Ploce, with a total length of about 123 km.

The project comprises modernisation and rehabilitation measures on existing tracks, railway crossings, railway stations, bridges, signal and railway electric installations.

Construction Unit I: State Border-Beli Manastir-Osijek:

2 steel bridges (l = 10 m) to be replaced by concrete bridges.

1 old steel bridge (l = 41.2 m+66.5 m) to be replaced.

Construction Unit II: Osijek-Strizivojna-Vrpolje:

2 steel bridges (l = 10.65 m+10 m+66 m and l = 11 m) to be replaced by new reinforcement concrete bridges.

2 bridges to be checked to meet the requirements of D4 category (AGC = UIC 71 train).

Construction Unit III: Strizivojna/Vrpolje-Slavonski Šamac -State Border:

Replacement of steel bridges by reinforced concrete Bridges.

All deficiencies and shortcomings to be corrected.

Construction Unit IV: State Border: Metkovic-Ploce:

1 steel bridge at km 173+845,9 (l = 16,8m) to be replaced by new bridge construction.

3 steel bridges at km 175+526, 185+992 and km 188+923 to be examined in order to determine their category, and be reinforced if necessary, in order to meet D4(UIC 71 train) requirements.

Client:

HZ Croatia Railways, Zagreb

Technical Data:

Number of bridges 9
Span 10.0 - 66.5 m

Replacement of steel bridges by reinforced concrete bridges or new steel bridges, reinforcement of bridges.

Max. design speed 160 km/h

Duration of Services: 2002 - 2005

Services:

- Definition of the upgrading and rehabilitation programme
- Review of the detailed and specification design
- Assistance in tendering and tender evaluation
- Construction supervision