

Road engineering and infrastructure

The design of the Ptuj roundabout and Grajena bridge

Project type
road roundabout, bridge reconstruction

Location
Ptuj, Slovenia

Investment value
535.000,00 €

Year(s)
2006

Investor
Hypo investicije d.o.o.



New commercial and business centre in Ptuj needed a connection to the main road G1-2 that runs through the city of Ptuj. Investor and the municipal authorities agreed that the connection should be made with a new roundabout rather than with a classic crossing that would need traffic lights. The roundabout has an outer radius of 17.5 m, the road's width is 7.5 m out of which the inner 1 m is paved with granite blocks. Inner island of the roundabout has a radius of 10.0 m. There are four connections of roads to the roundabout, with the main road heading in direction NE-SE and the new entrance connection for the new commercial and business centre heading from the north. The position of the roundabout itself presented a challenge as a part of it lays over a local stream which dictated the spreading and reinforcing of an existing concrete bridge.