



Project Fact Sheet

Motorway R1, section Selenec – Beladice, PPP project



PROJECT

Project	PPP Motorway R1, section Selenec – Beladice, bridge SO207 and SO201
Employer	The Ministry of Transport, concessionaire Granvia a.s.
Date of installation	SO 207 April 2010 and SO201 August 2010
Designer	Dopravoprojekt a.s.
Contractor	Eurovia CS a.s.
Scope	New bridge under the new motorway over a river Bocegaj and over a I. class road

FACT FILE

Structure	SO 207 as precast arch 7,5 wall x 40 roof and SO 201 as precast arch 52 wall and 185 roof
Span	SO 207 as 7,1m (clear) and SO 201 as 16,0m (clear)
Height	SO 207 as 3,2m (clear) and SO 201 as 7,7m (clear)
Length	SO 207 a 51,2m + 21,2m and SO 201 as 52,8m

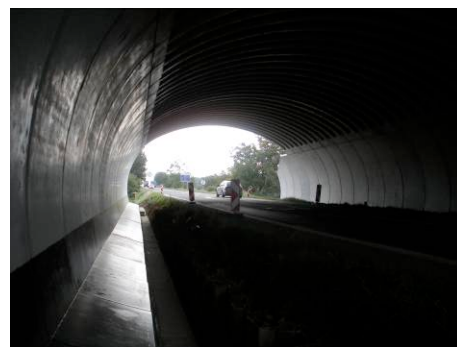
DESCRIPTION

ABM designed, casted and constructed the precast arch structure for the structure SO207 for the first PPP project in Slovakia. The structure SO 207 is actually divided into two separate structures with the total length of 72m. The shorter section takes over a local farm road class P6/40 (width of the road/design speed) and the longer section the new motorway class 22,5/100 over a local river Bocegaj. The significant skew of 52,9grad (i.e. the angle between the axle of the road over to the axle of the obstacle below) forced ABM to design and manufacture a special type of end treatment never done before within ABM. The portals are done in such way so they look even in the skew embankment without any precast elements projecting from the embankment. The installation of the whole 72m long structure last only 6 days. The structure SO201 is of a bigger profile and takes the new motorway over a busy I. class road. The requirement was to install the structure over the live traffic as there was no option for a diversion of the traffic. This was easily achieved thanks to the system being divided into three sections – two walls, which were installed without disturbing of the traffic and then the roof for which placement the traffic had to be stopped for approximately 10mins. Both structures were cast at ABM facility in Slovakia and installed in 2010. The section Selenec – Beladice of the R1 PPP project will be opened for public in Autumn 2011.



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ABM Mosty s.r.o.
Laurinská 18, 811 01 Bratislava, Slovakia

ABM Mosty s.r.o.
V Celnici 1034, 110 00, Prague, The Czech Rep.



ABM Mosty Sp z o.o.
Ul. Zlota 59, 00 120, Warszawa, Poland

ABM Bridge Systems SRL
Str. Paleogolu 24, Bucharest, Romania

Please visit our website for more information:

web: www.abmeurope.com

or contact us on:

email: mosty@abmeurope.com

mobile CZ: 00420 777 226 293

mobile RO: 0040 721 511 619

mobile PL: 0048 660 191 187

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