Highway R1

Banská Bystrica (Northern by-pass)

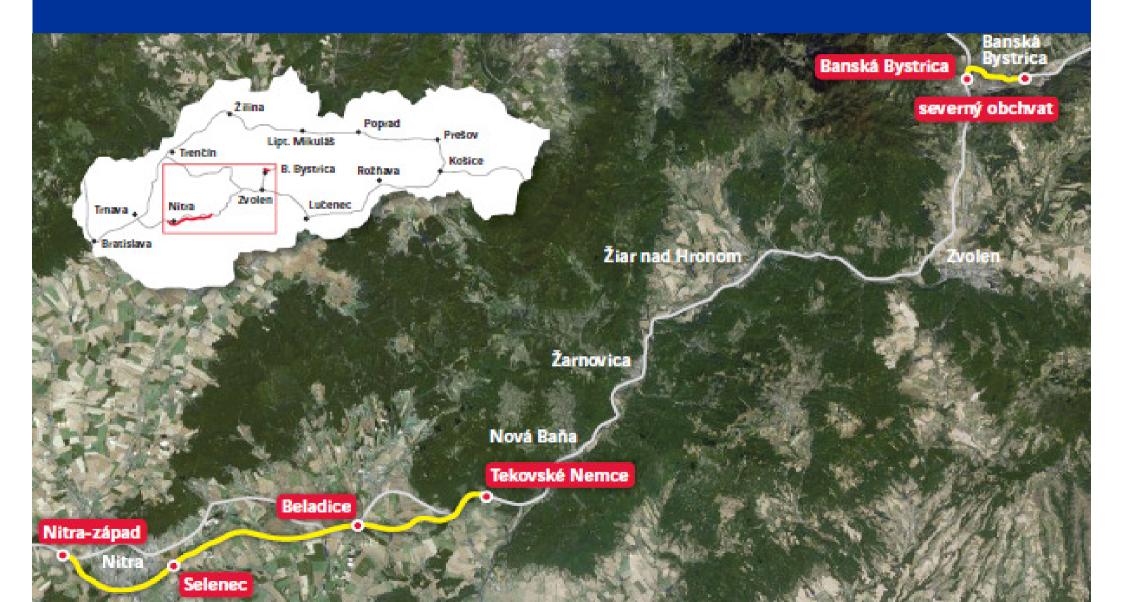
Peter Turček

Katedra geotechniky, SvF STU Bratislava

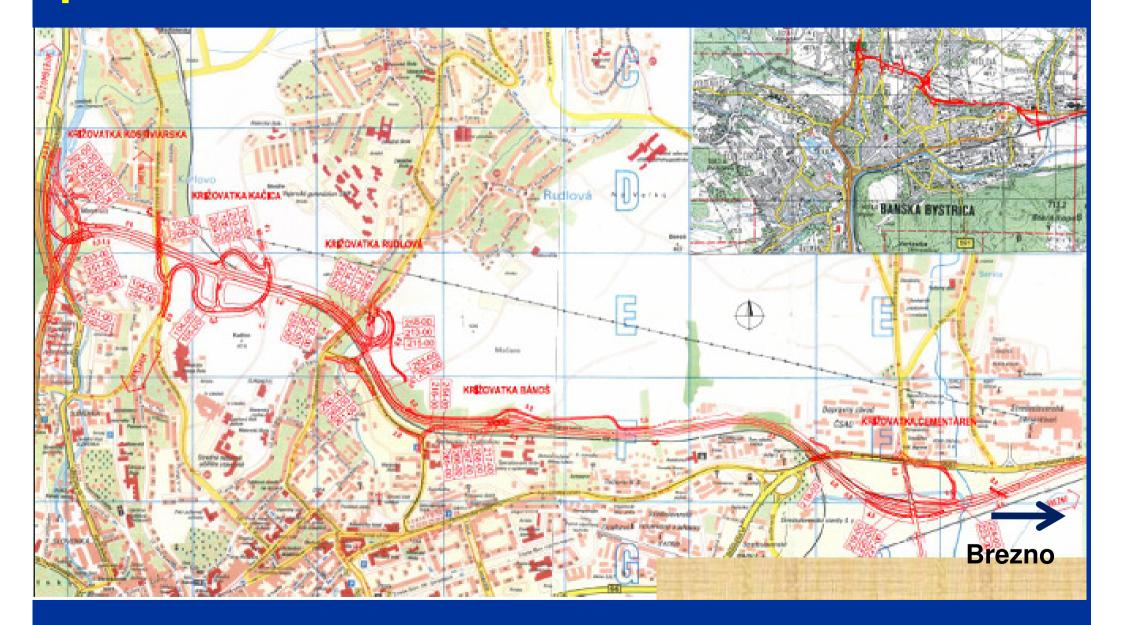
Geotechnical excursion, 19.-21.04.2012

Banká Bystrica by-pass

Length: 5.7 km Construction period: 08/2009 – 10/2011



Ground plan of the highway section



Ružomberok

First part of the by-pass section by Banská Bystrica

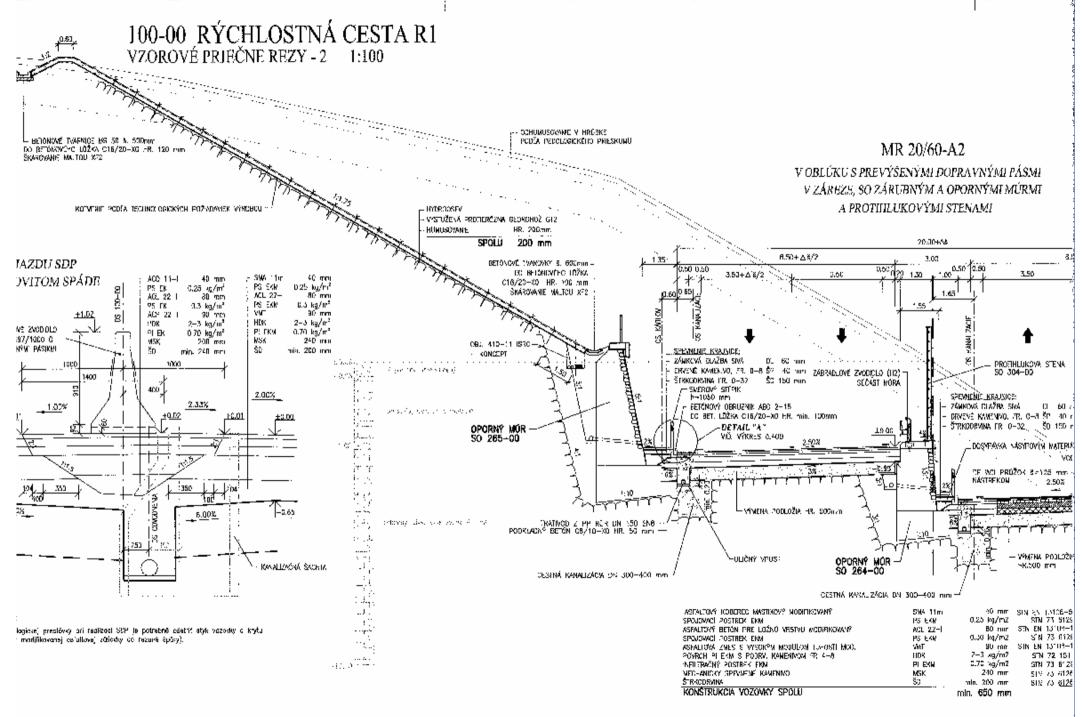




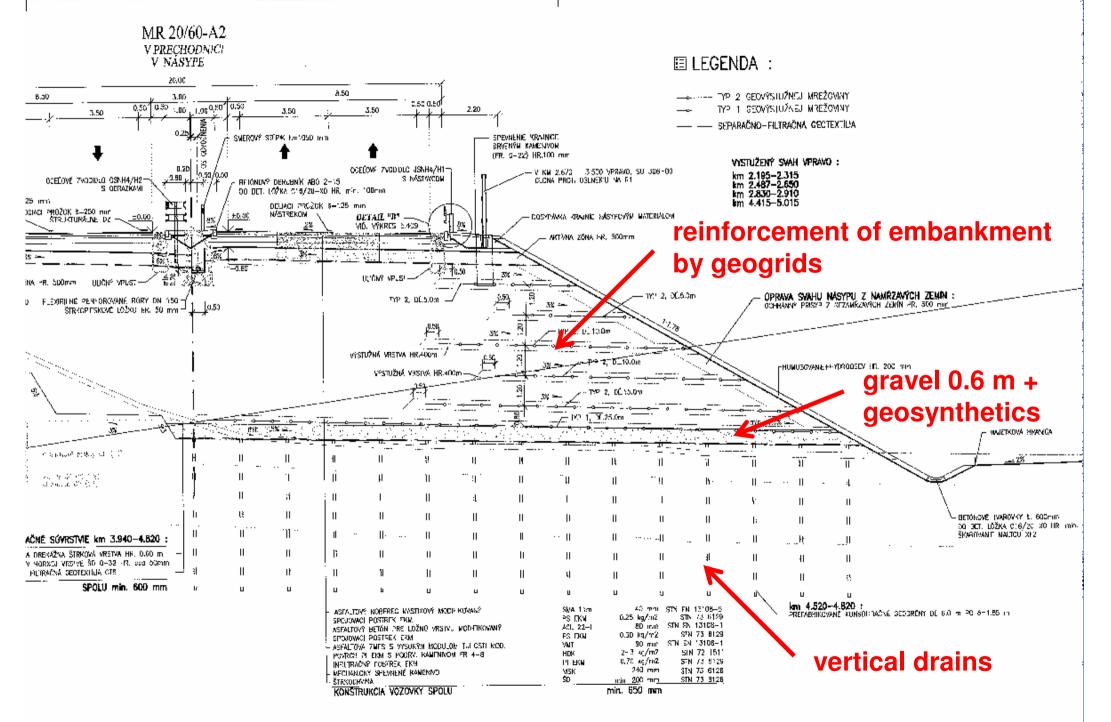
Protection of the cutting



Typical cross section (retaining wall + protection of cutting)



Rehabilitation of subsoil at waste disposal area

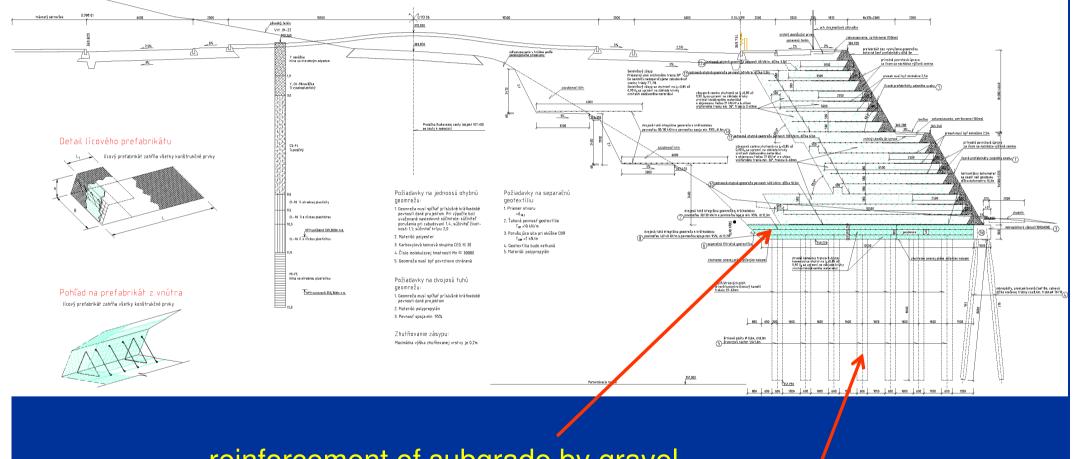


Execution of under gravel layer with reinforcement by biaxial geogrid



Reinforcement of retaining wall

Reinforcement of slope by Green Terramesh



reinforcement of subgrade by gravel layer with geogrid

stone columns



Slope reinforcement by Green Terramesch

Slope reinforcement by Green Terramesh (after finishing of construction)





Air photo



II–II. Priečny rez v staničení 3,550 00 preložky cesty I/66

