

# **Twin City Rail project Vienna - Bratislava, Modernisation of Railway Infrastructure ŽSR**

Symposium Modernisation of Railway Infrastructure, EU Strategy for the Danube region



## Twin City Rail project

### Initial idea to create common project:

MA 27 Wien, ÖBB Infrastruktur, BMVIT AT,  
ŽSR, MDVRR SR (*im Rahmen des Programms zur  
grenzüberschreitenden Zusammenarbeit Slowakei –  
Österreich 2007 - 2013*)

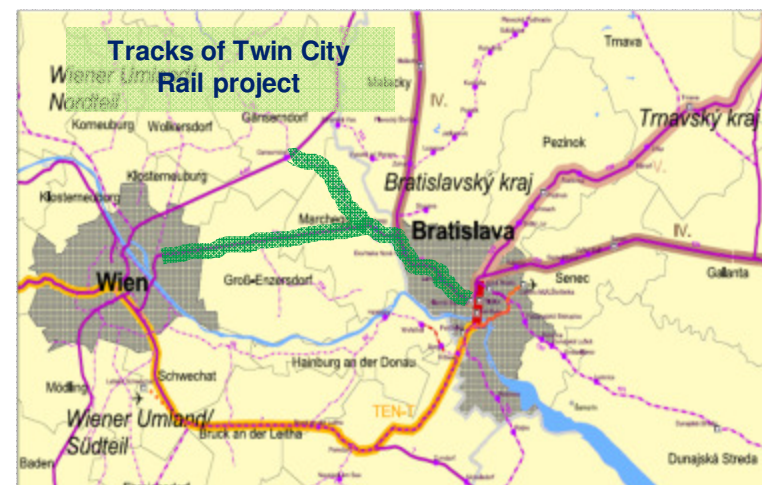
### Structure of project:

**AT;** Lead partner - ÖBB Infrastruktur

**SK;** Strategic partner - Ministry of Transport  
MDVRR SR

Partners - ŽSR and ZSSK Slovensko )

**Duration:** 2010 – 2015





## Twin City Rail project

### Expected Output:

Project documentation of railway infrastructure and publicity to improve railway traffic between Wien – Marchegg/DNV - Bratislava

### Funding:

EU, European Regional Development Fund (ERDF)

### ÖBB track sections:

Wien Stadlau – Marchegg, Gänserndorf – Marchegg

### ŽSR track section:

Bratislava - Devínska Nová Ves – state border/(Marchegg)

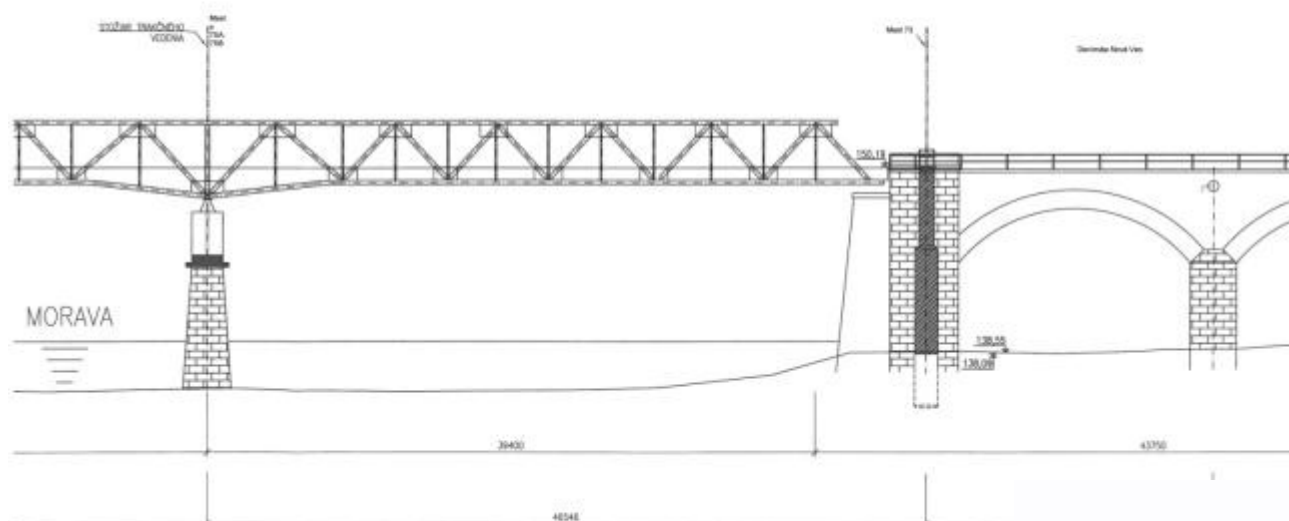
**Financing on ŽSR side:** ERDF 85%, 15% state budget







## ŽSR – I. part of project - Electrification



### **Project documentation for Electrification**

of the single track on the section Devínska Nová Ves + state border (river March)/Marchegg

**Costs:** cca 240 000 €, time plan 2011 -2013

*Deliveries up to now:*

**Dokumentation for Teritorial Decision** (DUR, sk), state expertise, and approval of the Ministry of Transport finalised by 31.3.2012, **Documentation for construction and building approval** is finished (DRS/DSP, sk)





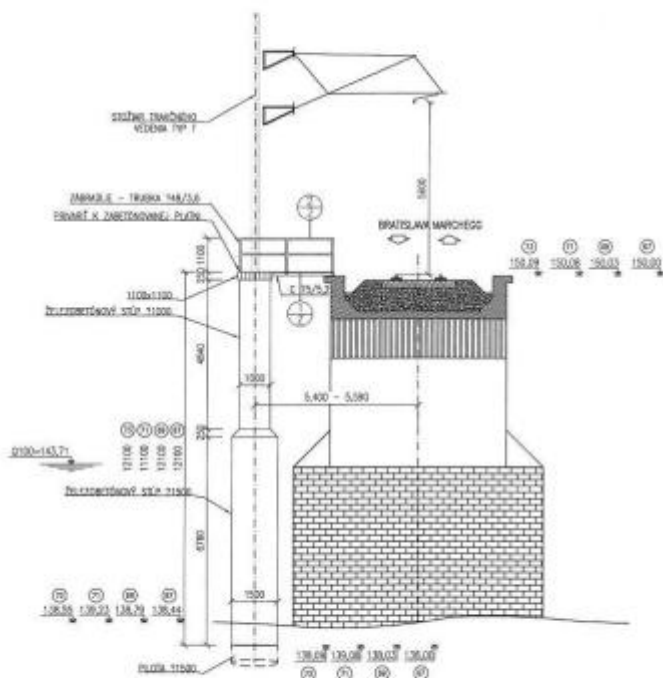
# ŽSR – I. part of project - Electrification



REZ MOSTNÝM PILIEROM CEZ INUNDAČNÉ ÚZEMIE

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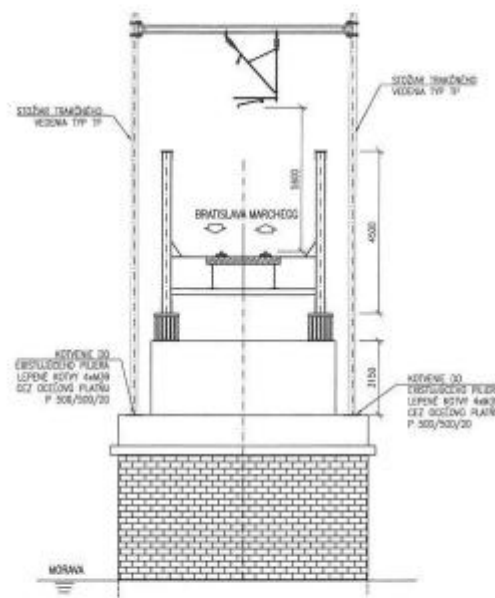
Bridge pillar in an inundation area



REZ MOSTNÝM PILIEROM CEZ MORAVU

P 1:100

Bridge pillar in the centre of the river Morava



## Data of a bulging:

- Cca 40 new masts for overhead contact line
- Upgrading of power station in Zohor due to a remote control
- Renewal of 2 km track supperstructure
- Increase of track speed from 80 km/h to 100 km/h
- Costs for realization: cca 4,5 M€



## Twin City Rail project - steps to realization



**Initial plan for realization of electrification** from 2014/2015 was shift to 2017/2018 – decision on BMVIT and ÖBB side

**ŽSR, realization of electrification** 25kV/50Hz takes cca 2 km of existing single track Devínska Nová Ves – state border

**ÖBB**, modernization and electrification Wien/Stadlau – Marchegg, cca 37 km. Realization of electrification 15kV/16,7Hz Marchegg - state border AT/SK in 2018

**Coordination** is needed **during the building faze** of electrification on the bridge over the river March

**New railway bridge** over the river March (the second track Devínska Nová Ves – Marchegg) is discused as a proposal

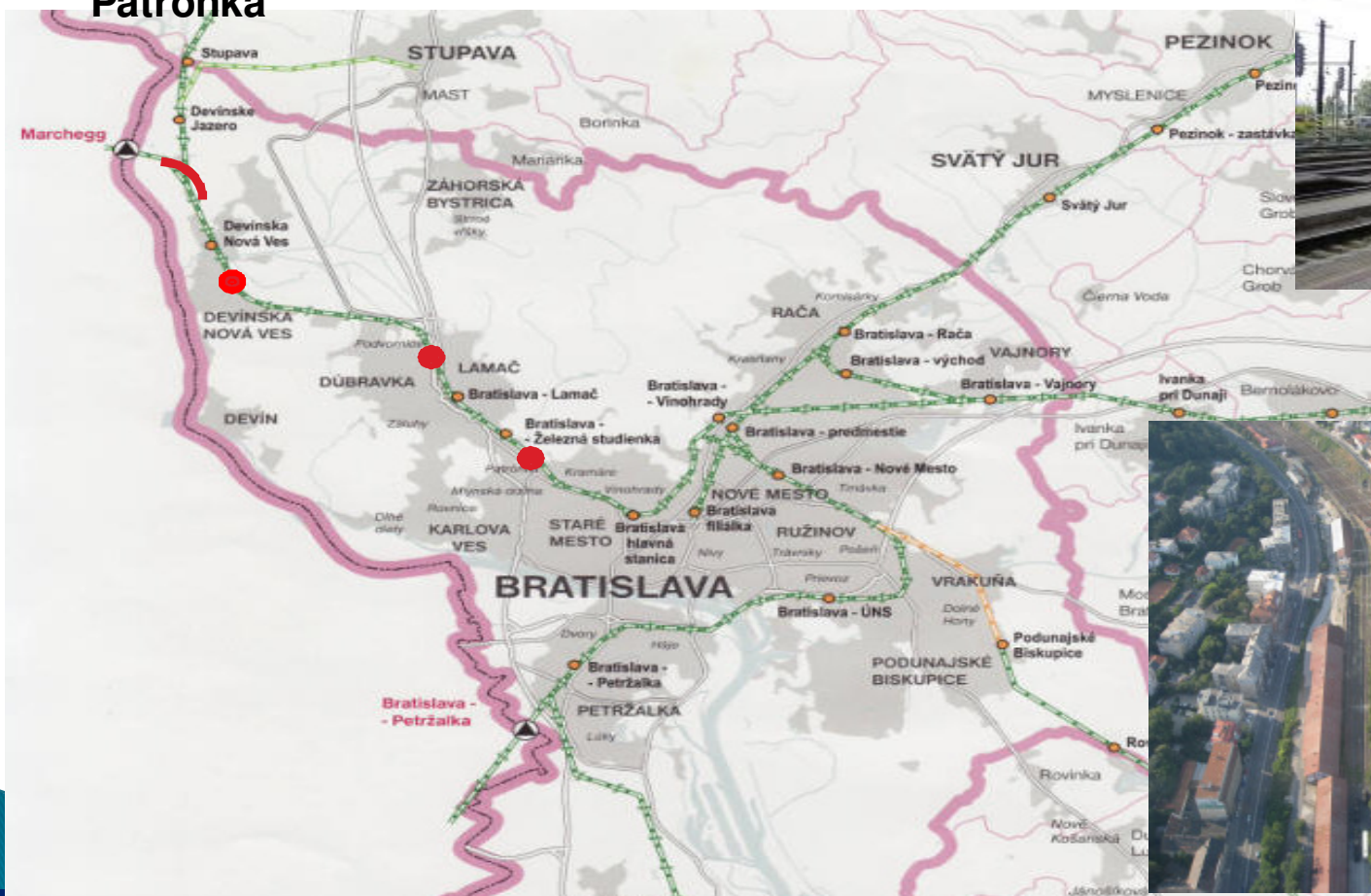




## ŽSR – II. part of project – 3 new railway stops

We plan build up three new stops on the track between Devínska Nová Ves and Bratislava Main station:

- **Devínska Nová Ves** zastávka, - **Lamačská Brána** (Tesco), - **Patrónka**



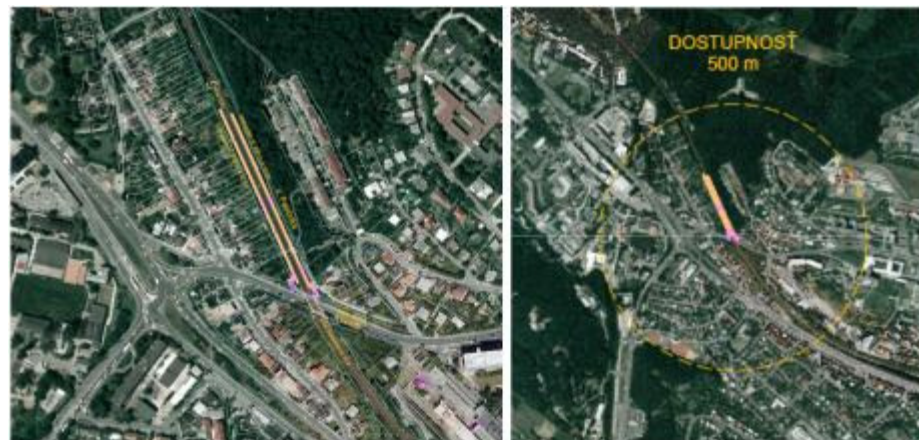
## ŽSR – II. part of project – 3 new railway stops

**Project documentation for 3 new railway stops:**

**Costs:** cca 210 000 €. Plan 2011 - 2013

**Problems:** During the Tender process in 01-02/2012 objections from designer (competitor) have been submitted, - repeated tender - and consequently a delay of ŽSR`s Harmonogram of Twin City Rail project.

How to continue with this part of the project is still opened.





# Indicative list of main projects of modernisation on ŽSR network

EU planning period 2007-2013 and 2014 -2020



	Start	End	Projects	
Bratislava junction	2016	xxxx	Modification of Bratislava filiálka	
	2016	2016	Transfer point BA Vinohrady –BA Predmestie	
	xxxx	2018	Double Track BA Nové Mesto – BA Hlavná stanica	
	2016	2016	Rail connection to the airport Bratislava MRŠ	
	2015	2018	Implementation ERTMS L2 Kúty – Bratislava	
	2019	2019	Modernization BA Predmestie – BA Rača	
Bratislava – Žilina	Under work	2015	Modernization Nové Mesto nad Váhom – Púchov	
	2014	2016	Modernization Púchov – Považská Teplá – Žilina, (II.et P.Teplá –Žilina, I.et. Púchov – P.Teplá 2015–2018)	
	2015	2018	Modernization Krásno nad Kysucou – Čadca	
	2014	2015	GSM–R Bratislava – Žilina – Čadca	
	2014	2015	ETCS L2 Žilina – Čadca	
Žilina – Košice	2015	2018	L.Mikuláš – Poprad, section Lučivná – Poprad	
	2015	2017	Poprad – Spišská Nová Ves	

**Thank you for your attention**