

# Rail Freight Corridor 7 - Orient Corridor: Investment Plan - Annex: Financial sources



Country	Railway section	Content of development	Start date of works	End date of works	Actual status	Estimated cost (Million EUR)	Financial sources
		e.g. track reconstruction / signalling improvement / ERTMS installation / structures / etc.	Every ONGOING or PLANNED development project should be listed		preparatory (e.g. feasibility) study underway / designing underway / construction underway		e.g. state (national) funding / EU funding / company own sources / PPP / unknown / etc.
CZ	Praha-Bubeneč - Praha-Holešovice	Reconstruction, increase speed limit	2013	2015	under construction	52	EU and national
CZ	Praha-Běchovice - Úvaly	Reconstruction, increase speed limit	2013	2015	under construction from 07/2013	88	EU and national
CZ	Pardubice	Reconstruction of station, increase speed limit	2018	2020	prepared	80	EU and national
CZ	Choceň - Ústí nad Orlicí	Modernisatin, shortening, increase speed limit	currently not fixed		prepared	120	EU and national
CZ	Ústí nad Orlicí	Reconstruction of station, increase speed limit	2012	2014	under construction	68	EU and national
CZ	Česká Třebová	Reconstruction of station, increase speed limit	2018	2020	prepared	80	EU and national
CZ	Brno-Židenice - Modřice	Modernisation of railway junction Brno	currently not fixed		prepared	800	EU and national
CZ	Břeclav	modernisation of part of statin Břeclav	2012	2014	under construction	48	EU and national
CZ	Kolín - Břeclav	Implementation of ETCS Level 2	2012	2014	under construction	40	EU and national
CZ	Děčín - Praha - Kolín	Implementation of ETCS Level 2	2014	2017	prepared	25	EU and national
CZ	Kolín - Brno	alternativ routing via Havlíčkův Brod, Implementation of GSM-R	2012	2014	under construction	30	EU and national
SK	Bratislava hl.st - Petržalka	Project ERTMS, uprade signaling system, if financial means ERTMS on the section Kúty - Bratislava. Project TEN-T 17, 2.track, Bahl.st. - BA NM (2020 - 2023)	2016	2018	ŽSR sent application form to attend Call for proposals 2012 TEN-T, for a project documentation of ERTMS on the section Kúty - Bratislava. Project TEN-T 17, 2.track, Bahl.st. - BA NM (2020 - 2023)	72,92	EU and national
SK	Petržalka - Rusovce/st.b/HU	project ERTMS, upgrade signaling system, if financial means	2016	2018	ŽSR sent application form to attend Call for proposals 2012 TEN-T, for a project documentation of ERTMS on the section Kúty - Bratislava.		EU and national
SK	Petržalka - st.b. A, Kitsee	project ERTMS, upgrade signaling system, if financial means	2016	2018	ŽSR sent application form to attend Call for proposals 2012 TEN-T, for a project documentation of ERTMS on the section Kúty - Bratislava.		EU and national
SK	Devínska N.Ves - st. b. A, Marchegg	projects ERTMS, electrification and new second track and bridge, Single project: project of electrification single track (till 2018); and other single project: new second track and bridge (after 2019-2021).	2016	2021	Single project: project of electrification single track (till 2018) projekt dokumentation; and other single project: new second track and bridge (after 2019-2021).		EU and national
SK	Devínska N.Ves - Bratislava hl. st.	project ETCS, GSM-R, upgrade signaling system (if financial means)	2016	2018	ŽSR sent application form to attend Call for proposals 2012 TEN-T, for a project documentation of ERTMS on the section Kúty - Bratislava.		EU and national
SK	Kúty - st. b. CZ, Lanžhot	project ETCS, GSM-R, upgrade signaling system (if financial means)	2016	2018	ŽSR sent application form to attend Call for proposals 2012 TEN-T, for a project documentation of ERTMS on the section Kúty - Bratislava.	43,35	EU and national
SK	Kúty - Devínska N.Ves	project ETCS, GSM-R, upgrade signaling system (if financial means)	2016	2018	ŽSR sent application form to attend Call for proposals 2012 TEN-T, for a project documentation of ERTMS on the section Kúty - Bratislava.		EU and national
SK	Bratislava hl. st. - Galanta	project ETCS, GSM-R, upgrade signaling system (if financial means)	2019	2021	ERTMS study	57,6	EU and national
SK	Galanta - Nové Zámky	project ETCS, GSM-R, upgrade signaling system (if financial means)	2019	2021	ERTMS study		EU and national
SK	Nové Zámky - Štúrovo	project ETCS, GSM-R, upgrade signaling system (if financial means)	2019	2021	ERTMS study	46,25	EU and national
SK	Štúrovo - st. b. /HU, Szob	project ETCS, GSM-R, upgrade signaling system (if financial means)	2019	2021	ERTMS study		EU and national
SK	Nové Zámky - Komárno	project ETCS, GSM-R, upgrade signaling system (if financial means)	2020	2020	ERTMS study	29,65	EU and national
SK	Komárno - st. b./HU, Komárom	project ETCS, GSM-R, upgrade signaling system (if financial means)	2020	2020	ERTMS study		EU and national
A	Břeclav - Wien	Implementation ETCS	2012	2013	construction underway	approx. 20	EU + national
A	Břeclav - Wien	Moderisation (increase maximum speed and capacity)	not fixed	not fixed	feasibility study	approx. 400 - 500	not fixed
A	Wien - Wr. Neustadt	Doubletrack Wien-Blumental - Múchenndorf	2013	2020	designing underway	approx. 400	national
A	Wien - Wr. Neustadt	Doubletrack Múchenndorf - Wampersdorf	2016	2023	designing underway	approx. 235	national
A	Wien - Wr. Neustadt	Terminal Inzersdorf (Cargo Center Vienna)	2012	2017	construction underway	approx. 300	EU + national
A	Wr. Neustadt - Sopron	Electrification existing line	not fixed	not fixed	feasibility study	approx. 25 - 35	not fixed
H	Rajka - Hegyeshalom	ETCS installation	2015	2015	preparation (feasibility study in progress)	3,3	KözOP (Transport Operative Program – on behalf of the National Development Agency)
H	Győr - Sopron border	Paralellisation (constructing a second track) + raise speed limit to 160 km/h	2017	2020	preparation (feasibility study in progress)	Only the preparation phase including feasibility study: approx. 700 Mill €, total budget: unknown	EU + national
H	Budapest - Hegyeshalom border	Renewal of south railway bridge (Budapest)	2013	2013	Designing	17,4	state funding
H	Budapest - Hegyeshalom border	Renewal of Biatorbágy - Tata section	2015	2018	Designing	370	EU funding
H	Budapest - Hegyeshalom border	Upgrading of ETCS L1 to ETCS L2	2017	2020	Designing	35	EU funding
H	Budapest - Szob border	Renewal of Vác station	2013	2015	Designing	n.a.	EU funding
H	Budapest - Szob border	Rehabilitation of Budapest-Szob section	2019	2020	Designing	n.a.	EU funding
H	Budapest - Lököshza border	Szolnok - Szajol section track reconstruction	2014	2015	Designing	n.a.	EU funding
H	Budapest - Lököshza border	Szajol - Püspöladany section track reconstruction and signalling improvement	2013	2016	Designing	n.a.	EU funding
H	Budapest - Lököshza border	Szajol - Debrecen ETCS L2	2016	2017	Designing	n.a.	EU funding
H	Budapest - Lököshza border	Gyoma - Bekescsaba section track reconstruction and signalling improvement	2013	2015	Designing	n.a.	EU funding
H	Budapest - Lököshza border	Building of 2nd track between Bekescsaba - Lököshaza border	2014	2018	Designing	200	EU funding

RO	Predeal-Braşov	track modernization, signalling improvement, ERTMS	2016	2020	Revised Feasibility Study (FS), launching of the Environment Agreement	200	proposal SOP T 2014-2020 + State Budget (SB)
RO	Braşov-Sighişoara	track modernization, signalling improvement, ERTMS	2016	2021	FS and Technical Design (TD) elaborated	1 740	proposal SOP T 2014-2020 + State Budget
RO	Coşlariu - Sighişoara	track modernization, signalling improvement, ERTMS	2012	2016	ongoing works; 6,18% realised	944	SOP T 2007-2013+SB
RO	Simeria-Coşlariu	track modernization, signalling improvement, ERTMS	2012	2016	Section Vintu de Jos -Coşlariu:ongoing works, 7,62% realised; Section Simeria-Vintu de Jos-in tender procedure	663	SOP T 2007-2013+SB
RO	km 614-Gurasada and Gurasada-Simeria	track modernization, signalling improvement, ERTMS	2014	2020	FS and Technical Design (TD) elaborated	1 970	proposal SOP T 2014-2020 + SB
RO	Border-Curtici-Arad--km 614	track modernization, track doubling where necessary, signalling improvement, ERTMS	2012	2014	ongoing works; 21% realised	283	SOP T 2007-2013+SB
RO	Caransebes-Timisoara-Arad	track modernization, track doubling where necessary, signalling improvement, ERTMS		2020	in elaboration the tender documentation for the FS supply	670	TEN-T financing for the FS, unknown for works
RO	Caransebes-Drobeta Turnu Severin-Craiova,	track modernization, track doubling where necessary, signalling improvement, ERTMS		2020	in elaboration the tender documentation for the FS supply	1 620	Proposal SOP T for FS, unknown for works
RO	Craiova-Calafat	track modernization, electrification, signalling improvement, ERTMS		2020	FS revised , the financing request for TD under elaboration	567	unknown
RO	Bucuresti Nord-Jilava-Giurgiu	track modernization, track doubling where necessary,electrification, signalling improvement, ERTMS	2020	2030	Project proposal	276	unknown
RO	Giurgiu-Videle-Bucuresti	track modernization, track doubling where necessary,electrification, signalling improvement, ERTMS,	2020	2030	FS elaborated in 2006	725	unknown
RO	Craiova – Roşiori - Videle	track modernization, signalling improvement, ERTMS	2020	2030	Project proposal	395	unknown
RO	Dej – Apahida-Coslariu	track modernization, track doubling where necessary,electrification, signalling improvement, ERTMS	2020	2030	Project proposal	1 150	unknown
RO	Cluj-Oradea	track modernization, signalling improvement, ERTMS	n.a.	n.a.	Project proposal	544	unknown
BG	<b>Vidin-Sofia</b>	Track reconstruction, new structures, signalling and telecommunication systems upgrading, ERTMS, catenary upgrading etc.			Feasibility study - implemented; Preliminary design elaborated; EIA Report elaborated		EU+national
	<i>Sub-sections:</i>						
	Vidin-Medkovetz		2016 (expected)	2021 (expected)		537	
	Medkovetz-Ruska Biala		2016 (expected)	2021 (expected)		735	
BG	<b>Sofia - Radomir</b>	Track reconstruction, new structures, signalling and telecommunication systems upgrading, ERTMS, catenary upgrading etc.	2015 (expected)	2020 (expected)	Feasibility study - implemented; Preliminary design elaborated	360	EU + national
	<b>Radomir-Kulata</b>	Track reconstruction, new structures, signalling and telecommunication systems upgrading, ERTMS, catenary upgrading etc.	After 2020		Feasibility study and preliminary design underway	767	EU + national
	<b>Sofia - Plovdiv (alternaive line)</b>	Track reconstruction, new structures, signalling and telecommunication systems upgrading, ERTMS, catenary upgrading etc.					EU + national
	<i>Sub-sections:</i>						
BG	Sofia - Septemvri		2016 (expected)	2020 (expected)	Feasibility study - implemented; Preliminary design elaborated; EIA Report ongoing	1 045	
	Septemvri - Plovdiv		December 2012	June 2015	Construction underway	322	
	<b>Plovdiv - Svilengrad -Turkish/Greek borders (alternative line)</b>	Track reconstruction, new structures, signalling and telecommunication systems upgrading, ERTMS, catenary upgrading etc.					EU+national
	<i>Sub-sections:</i>						
BG	Plovdiv - Dimitrovgrad		2006	2011	Construction completed	170	
	Dimitrovgrad - Svilengrad - GR border		2012	August 2014	Construction underway	207	
	Svilengrad - TR border		2009	June 2013	Construction underway	36	
GR	Pireaus - Athens RS -3 Gefyres	Infrastructure and superstructure upgrade, signaling and ERTMS installation, electrification, construction of the underground line section Athens RS - 3 Gefyres with 4 lines. R.Station upgrades. the subleveling of the triple rail corridor section of Redi S.S to Athens	2014	2020	under study	487,7	EU + national (for studies) Proposed by OSE for funding from 5th PP 2014 - 2020 (for Works)
GR	3 Gefyres - SKA	New double railway line, bypassing Acharnes Municipality	2016	2019	under study	70	EU + national (for studies) Proposed by OSE for funding from 5th PP 2014 - 2020 (for Works)
GR	SKA - Thriassio	New double railway line with electrification, signalling, ETCS L1	1999	2010	Completed	-	-
GR	Thriassio - Ikonio (Pireaus Port)	New railway line.	2001	2013	Completed	-	-
GR	SKA - Inoi	Upgrade of the existing line and structures, ERTMS installation, Restitution of Electrification	2013	2017	under study	98	EU + national (for studies) Proposed by OSE for funding from 5th PP 2014 - 2020 (for Works)
GR	Inoi - Tithorea	Restitution of Electrification and ERTMS installation	2010	2015	under construction	48,5	EU + national
GR	Tithorea - Lianokladi	New double-track High Speed Railway Line with electrification , ETCS level 1 and GSMR	1997	2015	under construction	184	EU + national
GR	Lianokladi - Domokos	New double-track High Speed Railway Line with electrification , ETCS level 1 and GSMR	2006	2016	under construction	214	EU + national Proposed by OSE for funding from 5th PP 2014 - 2020
GR	Domokos - Thessaloniki	ERTMS installation	2010	2015	under construction	22	EU + national
GR	Thessaloniki - Strimonas - Promachonas (Kulata)	Limited Upgrade of the existing line and electrification	2014	2016	under study	80	Proposed by OSE for funding from 5th PP 2014 - 2020
GR	Larissa - Volos	Upgrade of the existing line and electrification	2013	2015	under study	18	National

**Total estimated costs for the RFC 7 are approximately € 22 000 Mio. at present (but partly obviously unknown).**