

Progressof Rapid service preparation

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Implementation of Rapid services development programme

Rapid service system

Pilot HSL sections

2019 - 2020

Completion of feasibility studies for individual Rapid service branches

2020 - 2023 SŽDC as an authorized investor shall apply for updating of the Land Use Development Regulations

2024 - 2029

SŽDC shall commence the HSL preengineering and engineering (zoning decision, EIA, building permit)

After 2030 SŽDC shall start HSL construction 2018 - 2019 as an authorized investo

SŽDC as an authorized investor shall apply for updating of the Land Use Development Regulations for pilot HSL sections

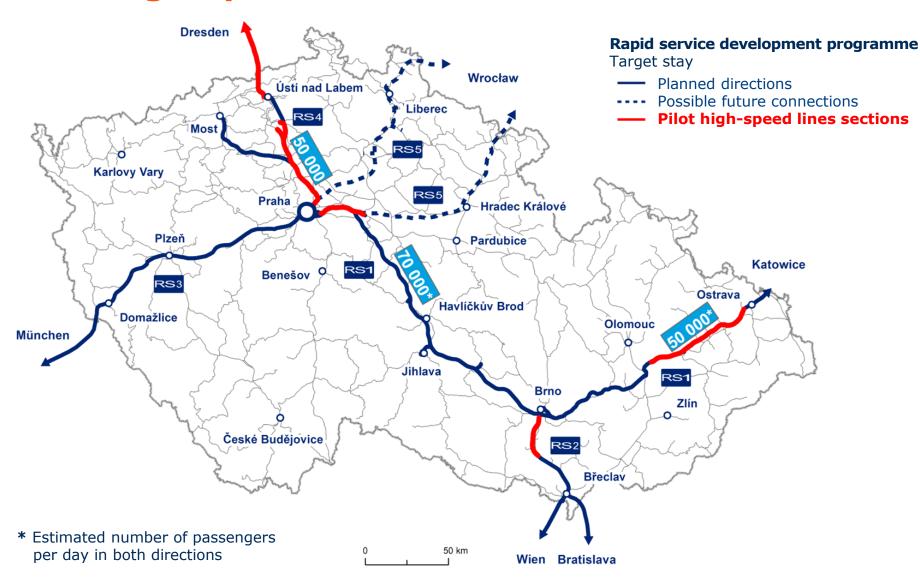
2019 - 2021

SŽDC shall commence preengineering for pilot HSL sections (zoning decision and EIA)

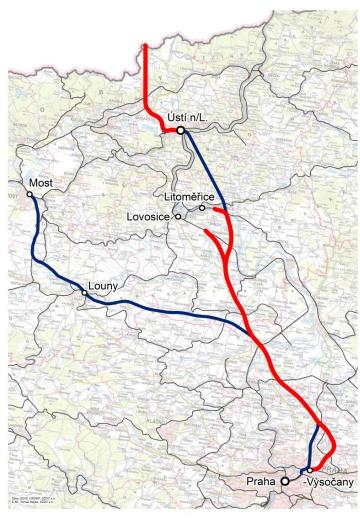
2022 - 2024 SŽDC shall commence engineering for pilot HSL sections (building permit)

After 2025 SŽDC shall start construction of pilot HSL sections

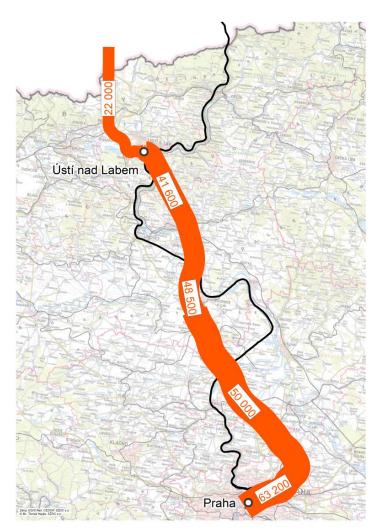
Pilot high-speed lines sections



New Dresden - Prague railway line

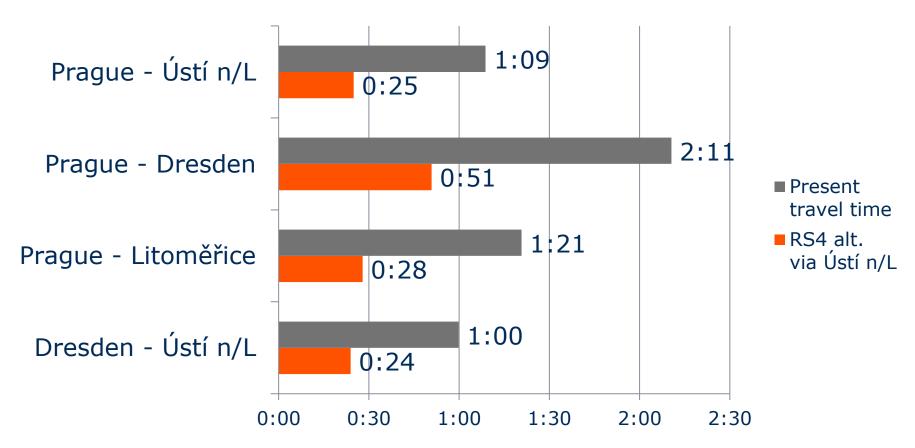


Pilot HSL sections of RS4 (red)



Estimated numbers of passengers (2050)

New Dresden - Prague railway line



Internal rate of return IRR = 8,30 %

Estimated investment costs = CZK 132 bil. (excluding branch to Most)

Feasibility study partial submission data

"Studie proveditelnosti nového železničního spojení Praha – Drážďany" (CEDOP + Egis Rail; 2019)



International preparation of the New Dresden - Prague railway line

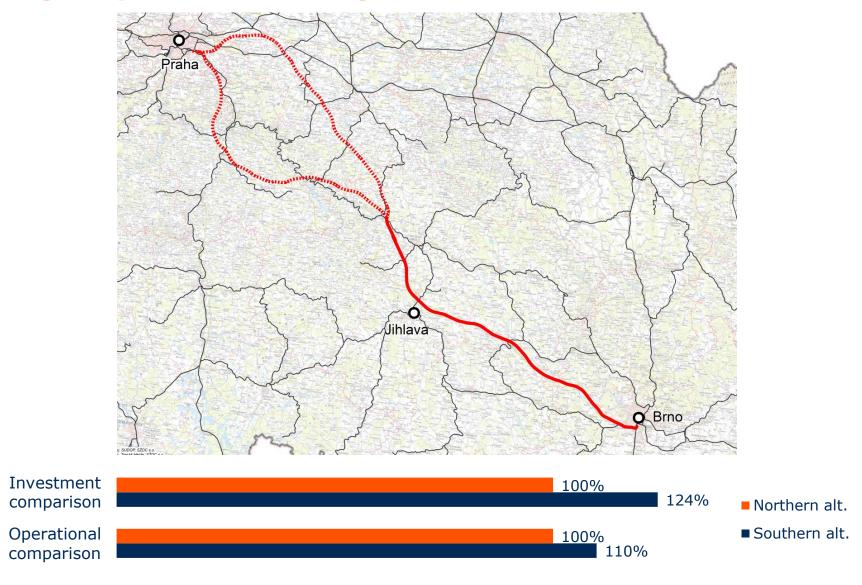




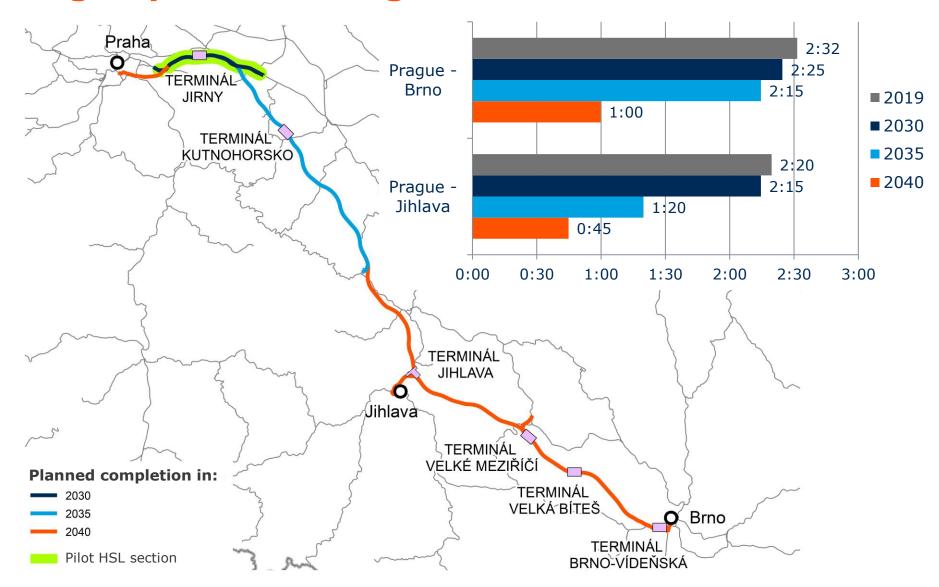


- Preparation of international presidential agreement on construction and operation of cross-border railway connection.
- Joint project team of SŽDC and DB Netz AG experts.
- Preparation of contract with DB Netz AG for financing of the cross-border tunnel pre engineering.
- Czech-Saxon project for geological survey of the Ore Mountains (Krušné hory/Erzgebirge) and České středohoří Mountains (Böhmisches Mittelgebirge).
- European grouping of territorial cooperation: New Dresden Prague Railway Line.

High-speed line Prague - Brno



High-speed line Prague - Brno



High-speed line Prague - Brno

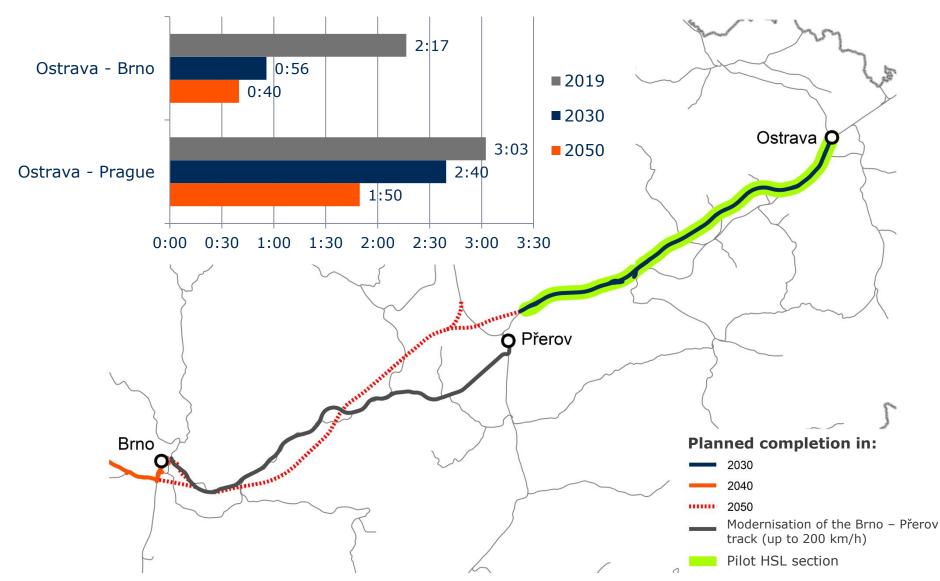


Existing long-distance passenger traffic (based on traffic survey)

Feasibility study partial submission data "Studie proveditelnosti vysokorychlostní trati Praha – Brno – Břeclav" (SUDOP PRAHA a.s.; 2019)



Rapid service line Brno - Ostrava



SŽDC and SNCF cooperation







- Use of French 40-years know-how for the design, construction and operation of high-speed lines in the Czech Republic.
- The Agreement for the Provision of Services was signed by SŽDC and SNCF representatives on 12th April, 2019.
- Establishment of a joint SNCF and SŽDC expert team.
- Production of the SŽDC Design Manual suitable for preliminary design of HSLs.
- Consultations with SNCF experts on technical solutions and ongoing HSL projects preparation.

Link between high-speed and conventional networks



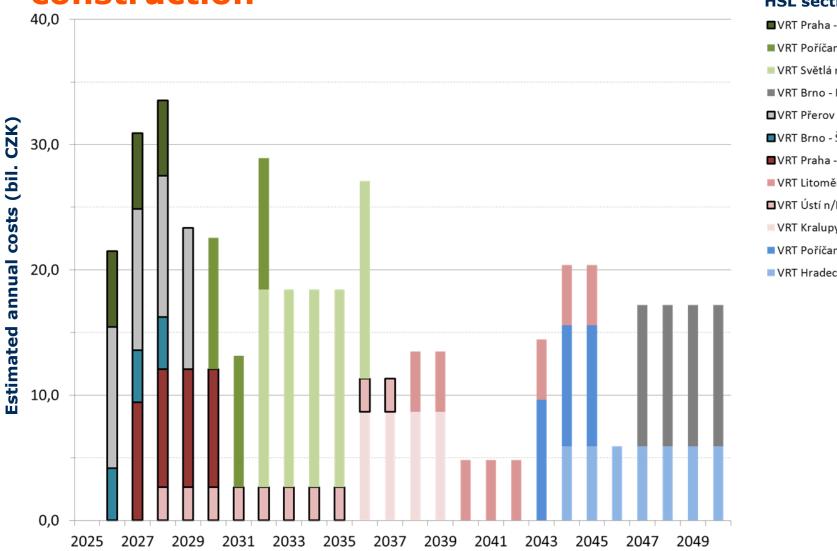




- Rapid Services system includes new high-speed lines as well as modernized conventional lines including an expected rolling stock and an operational concept.
- HSLs construction will bring a partial release of capacity to the existing rail network for regional and freight transport.
- In order to ensure operability, emphasis will be placed on cyclical maintenance.
- It will be necessary to ensure systematic financing for major maintenance actions and to resolve legislative basis of the maintenance of tracks with operation speeds over 200 km/h.
- Use of SNCF and DB Netz AG HSL operation and maintenance experience.

Investment cash flow of high-speed lines

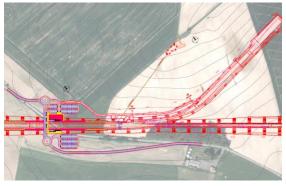
construction

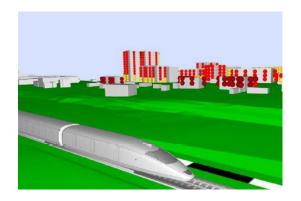


- ■VRT Praha Poříčany
- VRT Poříčany Světlá n/S
- VRT Světlá n/S Brno
- VRT Brno Přerov
- ■VRT Přerov Ostrava
- ■VRT Brno Šakvice
- VRT Praha Litoměřice
- VRT Litoměřice Ústí n/L
- ■VRT Ústí n/L Dresden
- VRT Kralupy Most
- VRT Poříčany Hradec K.
- VRT Hradec K. PL

Further procedure of SŽDC for pilot HSL sections preparation







- SŽDC shall commence geodetic surveying of pilot HSL sections.
- SŽDC shall commence pre engineering for pilot HSL sections preliminary design for zoning decision according to Decree No.466/2001.
- SŽDC will also start the Environmental impact assessment process (EIA) before completing the preliminary design for zoning decision.



Thank you for your attention.

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