

prezentace **ŘSD**

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2009

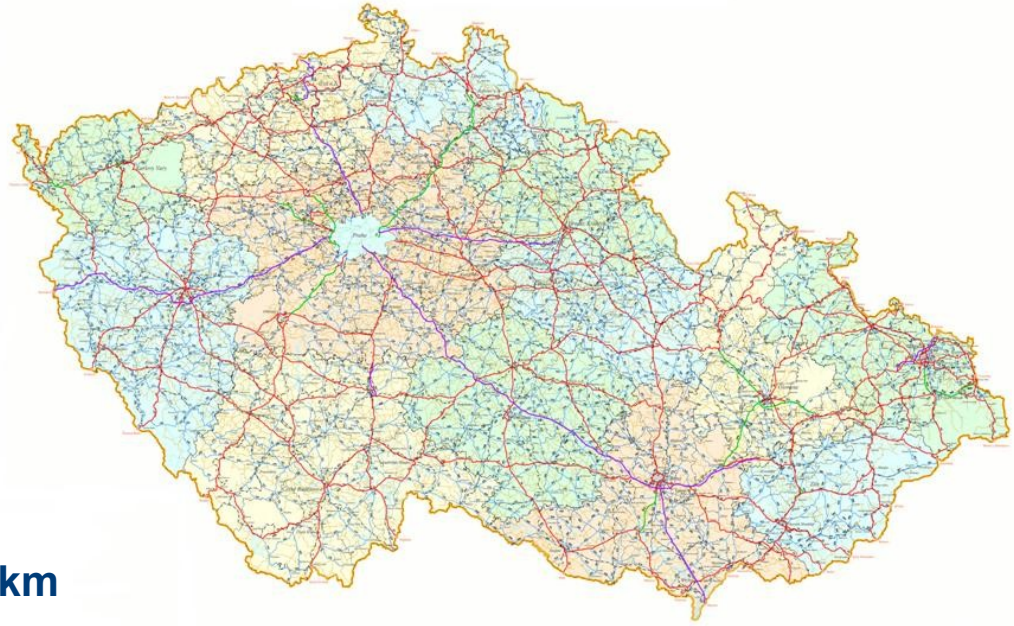


Road and Motorway Directorate of the Czech Republic



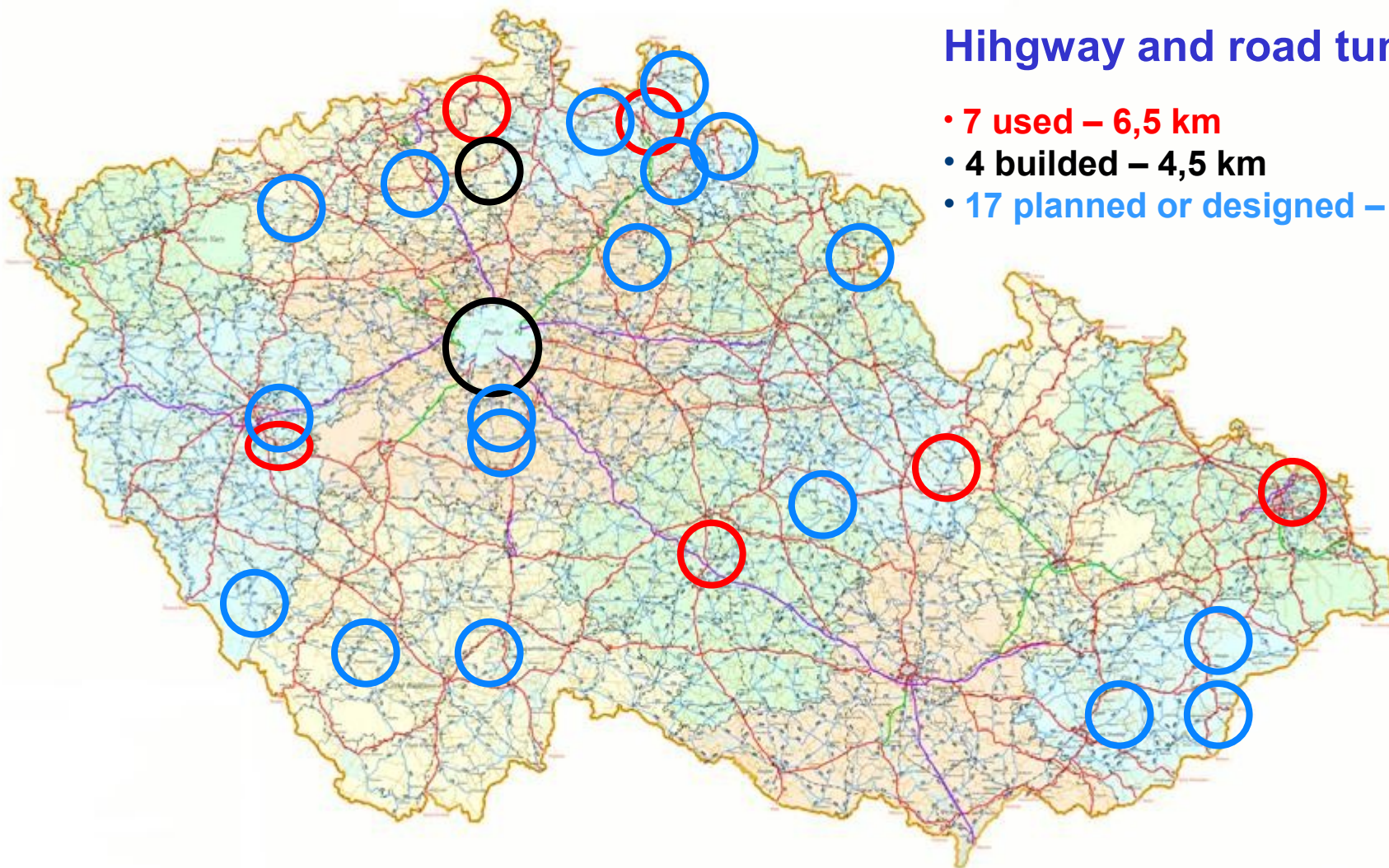
Czech Republic

- about 10.500.000 people
- 55.654 km of roads
- about 1050 km of highways
- 7 highway and road tunnels - 6,5 km
- 7 city tunnels – 6 km
- the longest highway tunnel – 2100 m
- the longest city tunnel – 2000 m
- the longest builded tunnel – 5500 m



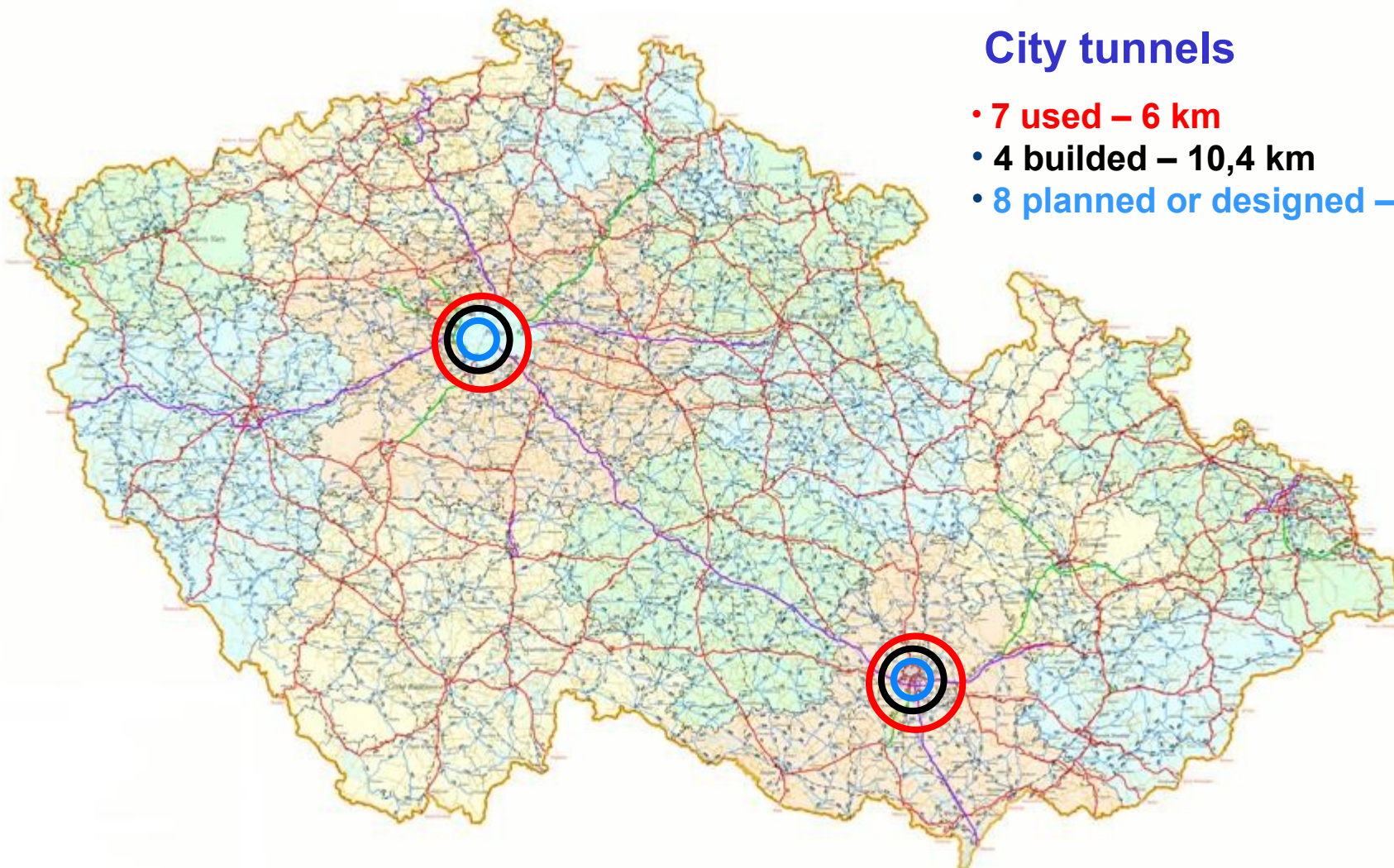
Hihgway and road tunnels

- 7 used – 6,5 km
- 4 buildded – 4,5 km
- 17 planned or designed – 20,5 km



City tunnels

- 7 used – 6 km
- 4 buildled – 10,4 km
- 8 planned or designed – 7,1 km



Guidelines, regulations, standards

- 1997 Technical conditions TP 98 – „Technical equipment of road tunnels“, Ministry of transport
- 2002 Technical conditions TP 154 – Using, administration and operating of road tunnels, Ministry of transport
- 2004 Directive 2004/54/EC - The European Parliament
- 2006 Law No. 80 – implementation of 2004/54/EC, The Czech Parliament
- 2006 CSN 737507 – Designing of road tunnels, The czech standard
- 2006 Technical and quality conditions for documentation for road tunnels, Ministry of transport
- 2008 Technical conditions TP 98, change 1 – Short tunnels, Ministry of transport
- 2009 Guideline 4/2009 – Organisation of safety operating of road tunnels, General director of Road and Motorway Directorate of the CR
- 2009 NV 264 – executing directive for law No. 80 - Safety requirements for tunnels longer than 500 m – The Czech Government



Implementation 2004/54/EC

- guilty for ALL tunnels longer than 500 m in Czech Republic
- defines requirements for safety officer – education, knowledges, practice
- defines the role of safety officer
- 3 administrative authorities, 2 tunnel managers
- includes approximated translation of appendix 1 of 2004/54/EC
- Czech standards and conditions are stronger than 2004/54/EC or NV 264

A A	T M	S O	state	length (m)	amount	amount > 500
City of Prague	Technical administration of roads	NO	used	4380	5	2
			builded	9100	3	3
			planned or projected	4300	5	3
The South Moravian Region	Road and Motorway Directorate of the Czech Republic	YES	used	1280	2	2
		YES	builded	1300	1	1
			planned or projected	2820	3	3
Ministry of transport	Road and Motorway Directorate of the Czech Republic	YES	used	5810	7	3
		YES	builded	870	2	1
			planned or projected	13050	14	7



The role of safety officer by RMD CR

Road and Motorway Directorate CR nominates 2 safety officers subordinate to safety director

- phase of designing and building
 - take part in the definition of safety documentation and the specification of the structure and safety equipment on every levels of designing
 - take part in the preparation of operational schemes and user manuals
 - give advice on the commissioning of the structure, equipment and operation of tunnels
- phase of operating
 - ensure coordination with emergency services and take part in the planning, implementation and evaluation of emergency operations
 - verify that operational staff and emergency services are trained, and he shall take part in the organisation of exercises held at regular intervals
 - take part in the evaluation of any significant incident or accident
 - verify that the tunnel structure and equipment are maintained and repaired



Experiences, opinions,

NEGATIVE

- passivity of Ministry of transport, no support
- Inspection entity not defined to this time
- passivity of Administrative Authorities - safety of tunnels is minor problem
- insufficient education and knowledges of drivers
- every 4 th driver is in speed limit (80 km/h) in highway tunnels without the speed measurement
- 1 dead by accident with fire in city tunnel in Brno - 2008

POSITIVE

- All tunnels longer than 500 m comply the requirements of 2004/54/EC and Czech standards
- the guideline for education of tunnel operators arising, till the end 2009 will be guilty
- Road and Motorway Directorate builded the simulator of tunnel applications for education of operators
- tunnel managers are really responsible – they must be active



ROAD AND MOTORWAY DIRECTORATE OF THE CZECH REPUBLIC



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