

# Prague Integrated Transport



*Increasing the Quality  
of Public Transport in Prague*

# Basic Data

## Capital of Prague

City area 496 sq. km

Population 1,166,000

Job opportunities about 780,000

Length of road network 3,520 km

# Basic Data

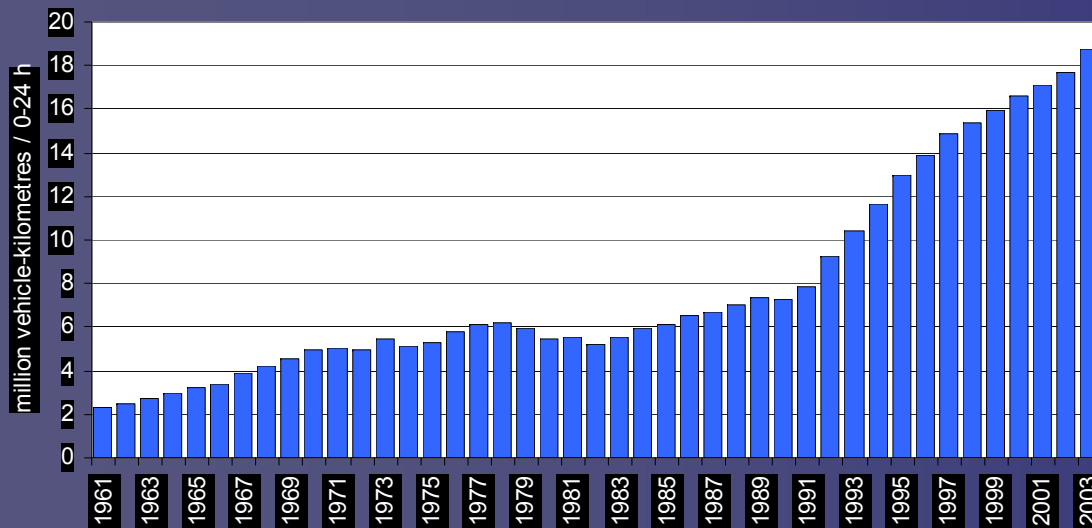
## Capital of Prague

Metro (underground) network (in operation)	49.8 km
Tram network	140.9 km
specifically, tramlines on its own track bed	52 %
Municipal Public Transport bus network within the city	686.1 km

# Impact of post-1989 changes on the transport system

## Motor-car traffic vehicle-kilometres development 1961 - 2003

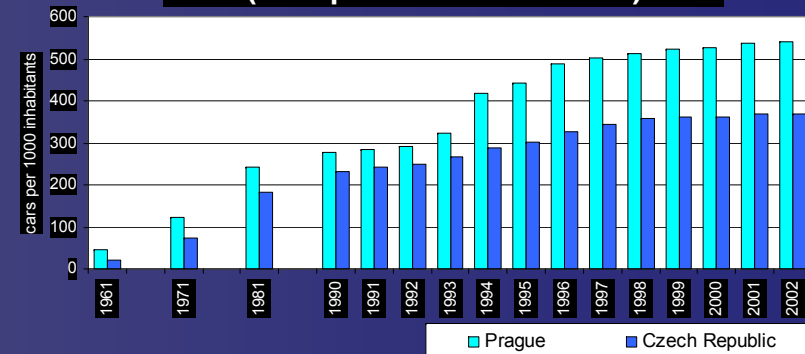
The whole of the road network, an average workday, 0 - 24 h



Modal split:

57% public transport  
43% individual car

## Personal car motorization 1961 - 2003 (cars per 1000 inhabitants)



# Changes in Financing Policy

until 1989

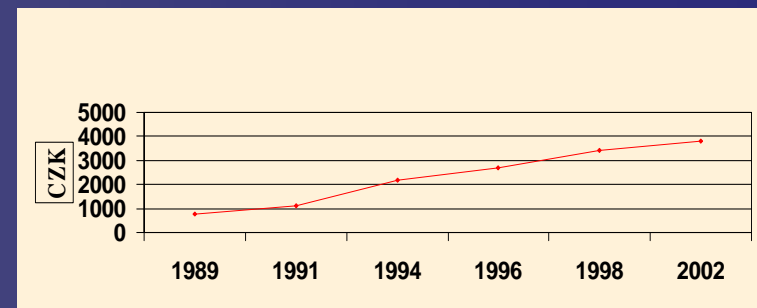
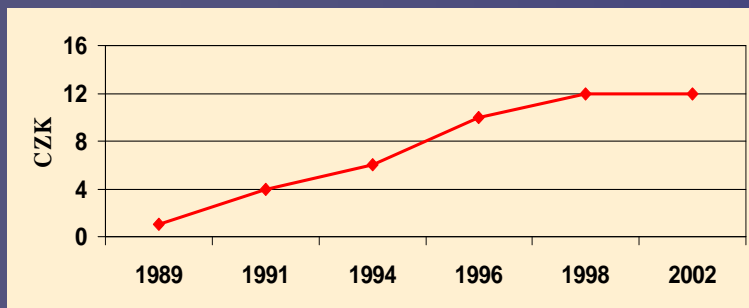
- the central government funded all capital investments and operating subsidies

after 1989

- most of this funding transferred to local municipal authorities

from 1995

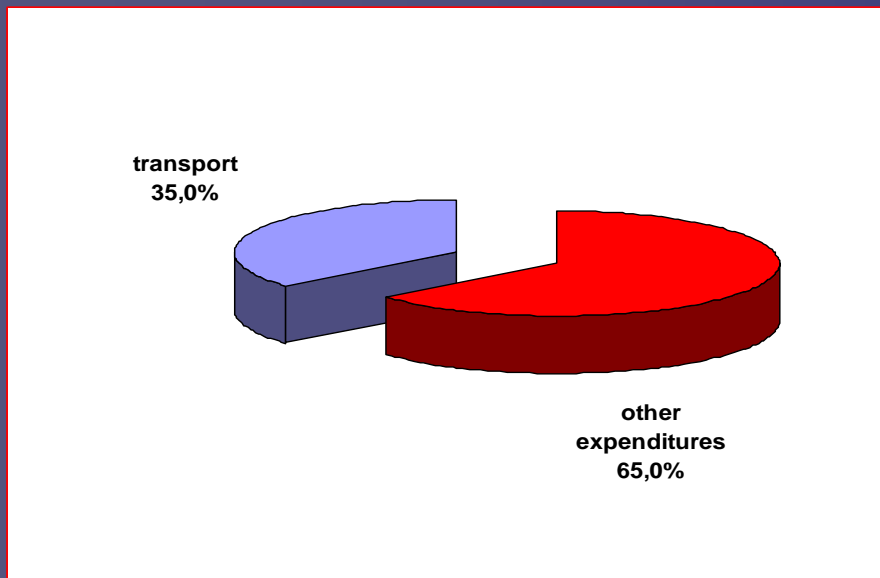
- state financial aid programme to support rolling stock renewal and urban transport construction



# Prague Municipal Budget in 2003

The budget chapters sharing in the  
adjusted 2003 budget expenditures

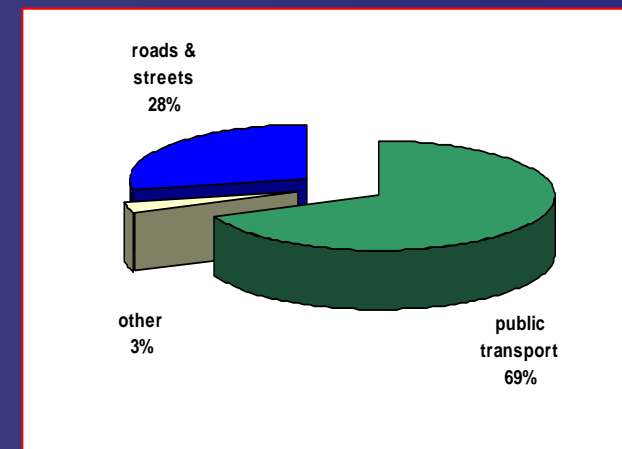
1.46 BILLION €



Transport chapter: 0.51 billion €



Total transport expenditures



# Transport Policy Principles of the City of Prague



## principles declared are closely related to operation and development of Prague PT system

- to design, develop and manage transport structure as a complex system of all transport modes that have to cooperate rationally
- development of transport system not only in terms of transport capacity but also in terms of safety and provision of sufficient quality
- to prefer operation and development of environmentally friendly transport system
- to ensure safe pedestrian transport and provide a transport system acceptable for persons with impaired mobility and low orientation ability
- to ensure transport system development in harmony with residential area development to aim at decreasing of transport demand in the city through urban planning

# Prague Integrated Transport

- Organising Authority:

*ROPID* - Regional Organizer of Prague Integrated Transport  
- established in 1993  
- 50 employees

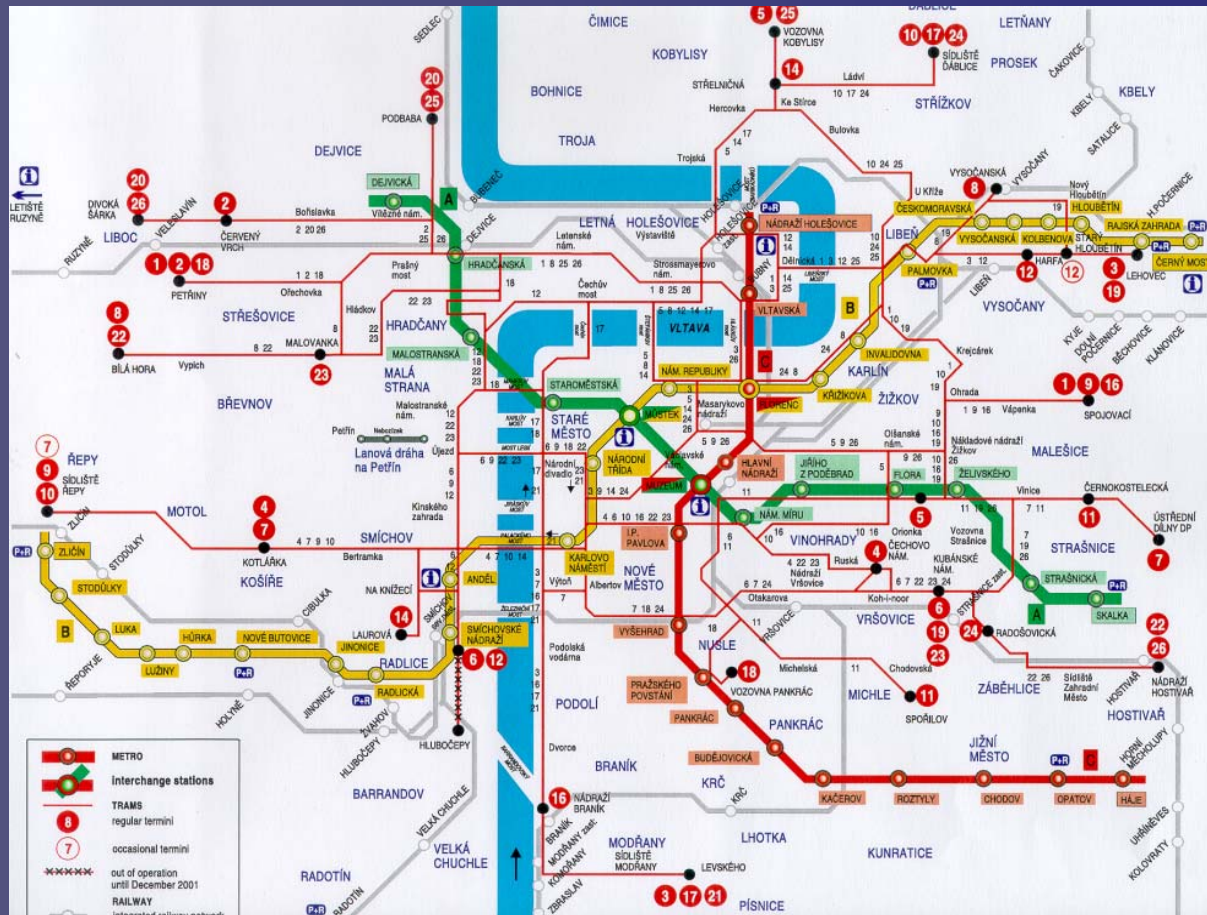
- Prague Integrated Transport Area Prague

( 496km<sup>2</sup>, population 1.2 mil. )

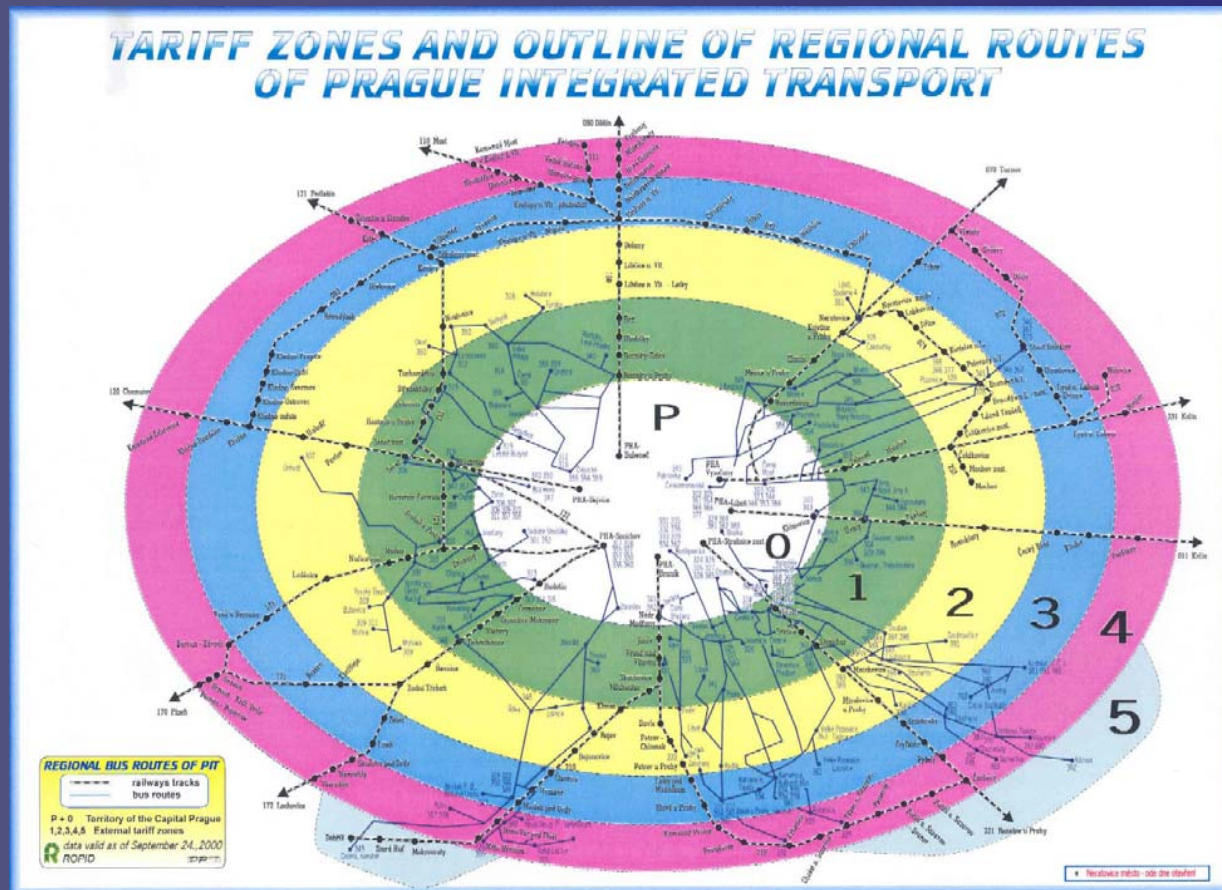
+ greater part of the Central Bohemian Region  
( the boundary to 50 km from the centre, population approx. 0.5 mil. )



# Metro, Tram and Railways of Prague Integrated Transport



# Chart of Fare Zones of Prague Integrated Transport












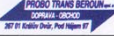
# Development of PIT

## Basic data

	1995	1996	1997	1998	1999	2000	2001	2002	2003
<i>Number of municipalities serviced by PIT lines</i>	15	55	69	83	104	159	218	259	278
<i>Number of regional bus routes included in PIT</i>	11	31	38	48	54	89	114	131	146
<i>Number of railway stations integrated into PIT</i>	59	181	181	181	181	190	200	219	221
<i>Share of PIT tickets used on railway included in PIT (%)</i>	25.5	29.1	32.5	35.6	37.2	39.2	43	52.1	56.5



# Contracts on supply of transport services in PIT negotiated with

Operator	Operated routes
Dopravní podnik hl. m. Prahy, akciová společnost 	metro: 3 lines funicular: 1 line tram: 24 city lines + 8 night lines bus: 148 city lines + 12 night lines 20 school lines + 23 suburban lines
Milan Bado	bus: 1 city line
Jaroslav Štěpánek	bus: 1 city l. + 1 school l. + 1 suburban l.
Jana Bamatová - SPOJBUS 	bus: 5 suburban lines
Martin Uher 	bus: 1 city line + 11 suburban lines
Hotliner s. r. o.	bus: 8 suburban lines
ČSAD Střední Čechy, spol. s r. o. 	bus: 23 suburban lines
ČSAD Praha - západ, s. p.	bus: 2 city lines + 3 suburban lines
ČSAD Praha Vršovice a. s. 	bus: 1 city line + 26 suburban lines
ČSAD Kladno a. s. 	bus: 5 suburban lines
ČSAD POLKOST, spol. s r. o. 	bus: 9 suburban lines
ČSAD Benešov a. s. 	bus: 1 suburban line
Okresní autobusová doprava Kolín s. r. o. 	bus: 2 suburban lines
PROBO TRANS BEROUN, spol. s r. o. 	bus: 2 suburban lines

České dráhy



- 400 trains on working day
- 25 lines within PIT

Operators of newly introduced bus routes are selected through public tenders.



# Service Quality Programme of Prague Public Transit Co. Inc.

Implementation of this programme in co-operation  
with RATP  from the beginning of 1998

**Based on European Standard**

**"Transportation - Logistic and Services - Public Passenger  
Transport - Service Quality Definition, Targeting and  
Measurement"**

**(EN 13 816:2002 – Czech Republic member of CEN)**

# QUALITY CRITERIA

The criteria represent the customer view of the service provided and have been divided into 8 categories:

## Level 1

- 1) availability
- 2) accessibility
- 3) information
- 4) time
- 5) customer care
- 6) comfort
- 7) security
- 8) environmental impact

## Level 2

- 3.2. Travel information  
normal conditions

## Level 3

- 3.2.1 street direction
- 3.2.2 b/a - point identification
- 3.2.3 vehicle direction signs
- 3.2.4 about route
- 3.2.5 about time
- 3.2.6 about fare
- 3.2.7 about type of ticket

# Service Quality Standard of Prague Public Transit Co. Inc.

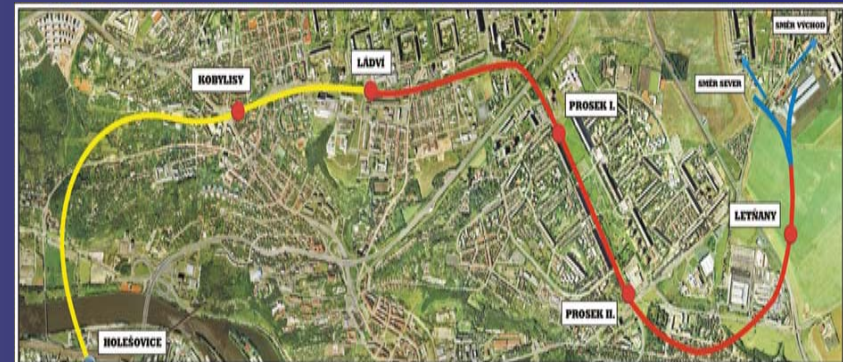
- Punctuality/regularity
- Passenger information
- Customer care
- Uniform discipline
- Operability of ticket vending machines (*since 2000*)
- Operability of metro stations equipments for people with reduced mobility (*since 2004*)



- Standards defined through:
  - Service reference sample
  - Desired level of achievement
  - Unacceptable situations

# Enhancing services

## subway, bus & tram



LEGENDA:

- TRASA METRA IV C1
- TRASA METRA IV C2 - TRASA NAVRŽENÁ PRO ZMĚNU ÚZEMNÍHO PLÁNU
- NAVRŽENÉ SMĚRY ROZVOJE





# Services Designed for People with impaired mobility and low orientation ability

The blind inquires for number of route and direction of tram link



Acoustic orientation beacon with command receiver PPN 01M installed near the entrance of underground



# Public Transport and City Development in Prague

