

# State of play of transport in Budapest metropolitan area, transport development plans to be financed by EU and other sources and related tasks

Dr. Szeneczey Balázs  
Deputy Mayor of Budapest  
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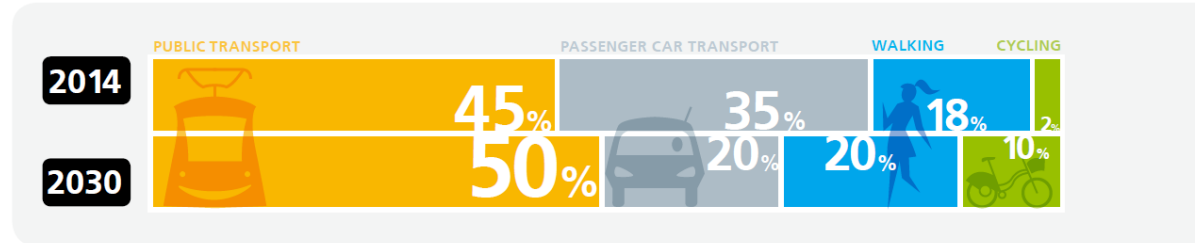
## Budapest transport in general



# Key facts and figures about Budapest

## *Capital city of Hungary (since 1873)*

- 525 square km
- 1,700,000 inhabitants - stagnating
- 600,000 private car trips per day
- 800,000 inhabitants in the metropolitan region
- 400,000 private car trips per day
- Complex geography and governance
- River Danube: transport bottleneck, 7 bridges



MODALSPLIT  
figures with the current and estimated values

# Key facts and figures about Budapest

## Transport data



4  
METRO LINES



260  
BUS LINES



30  
TRAM LINES



5000  
LICENSED TAXIS

4500 KM  
OF ROADS



2200 PUBLIC TRANSPORT  
VEHICLES OPERATING DAILY



5 MILLION BUDAPEST  
TRIPS A DAY

1000 RESIDENTS

330 PASSENGER  
CARS (BUDAPEST)



357 PASSENGER  
CARS (PEST COUNTY)



3500  
P+R PARKING  
SPACES  
IN BUDAPEST



280000 M<sup>2</sup> ROAD  
SURFACE MARKINGS



1014  
SIGNALLED TRAFFIC  
JUNCTIONS



MORE THAN  
100000  
TRAFFIC SIGNS



3322 KM  
OF PUBLIC  
TRANSPORT  
NETWORK



## Balázs Mór Plan 2014-2030



## 1 MORE CONNECTIONS

*Safe, high-quality and integrated transport infrastructure*

## 2 ATTRACTIVE VEHICLES

*Comfortable and environmentally friendly vehicles and equipment*

## 3 BETTER SERVICES

*Efficient and reliable transport organising*

## 4 EFFICIENT GOVERNANCE

*Consistent regulations, regional cooperation*

## *Eddigi eredmények*

- Járműcsere
- Jegykiadó automaták telepítése
- Ügyfélközpontok kialakítása
- Elektronikus jegyrendszer megvalósítása megkezdődött
- ...

# Passenger oriented sales and service points

New sales channels and  
product purchase

Customer Centres

Ticket Vending Machines

Call Center

Mobile app.





## Current projects, developments





# Rolling stock development

## 37+10 new CAF trams

- EU co-funding 99.33%
- Delivery from spring 2015, operation from autumn until first 6 months in 2016
- New trams to serve refurbished lines 1 and 3, as well as interconnected lines 19 and 61 in Buda



## Trolleybus procurement

14 new single and 10 articulated trolleybuses will enter service by the end of 2015

## Reconstructed tram depots

## Barrier-free platforms in South Buda

Total project value: HUF 46.5 billion

# Infrastructure projects

## Development of tram lines 1 and 3

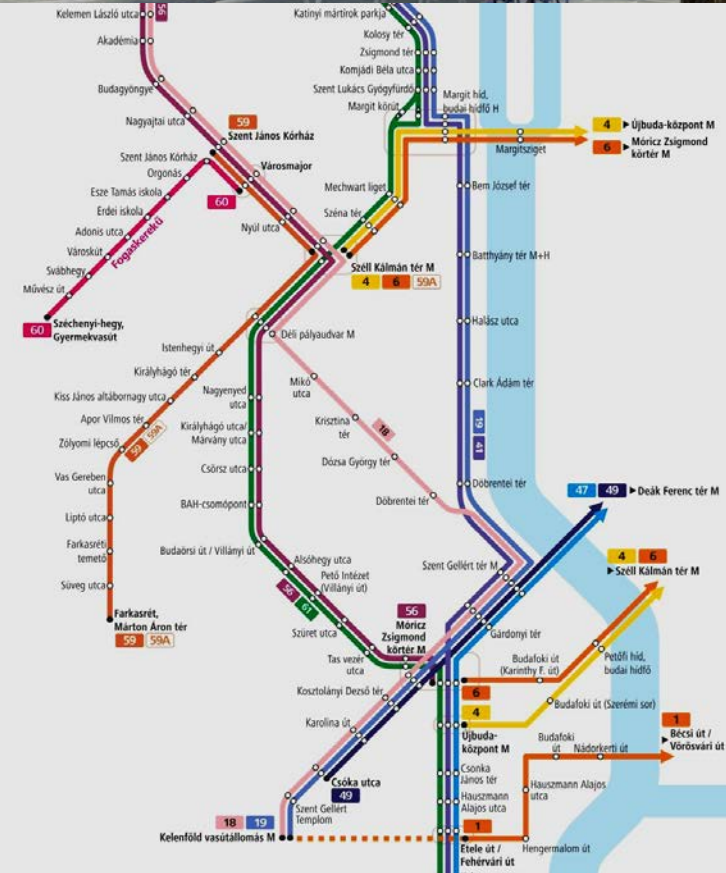
- Grass-covered track sections:
  - Óbuda (Tram 1)
  - Kőbánya (Tram 3)
  - Újbuda (Tram 1)
- Dynamic passenger information
- New platforms, tracks and power supply
- Implementation finished and new track section opened on line 1 on 20 March
- Total project value: HUF 43 billion
- Deadline met and budget not exceeded



# Infrastructure projects

## Interconnected Tram Network in Buda

- Total project value: HUF 12.4 billion
- Co-funding: 68-90% (2 projects)
- Q3-4 of 2014 – end of 2015
- Integrated network in Buda, no need for transfers
- Tram line 17 will be joined to three lines in Buda via Bem rakpart and Széll Kálmán tér
- Implementation underway
- Problems: suburban railway station roof, underpass at Frankel Leó utca





## Infrastructure projects

### Refurbishment of Széll Kálmán tér

- Funds: HUF 4.2 billion
- New escalators and lifts
- More green space
- Reduction of bus storage area
- Easy pass-through for cyclists
- Integrated architectural design
- Preparation of new terminus of cog-wheel railway
- Finish in 2016





## Preparatory projects



# IKOP – Integrated Transport Development 2014-2020

- 2007-2013 között mintegy 3 milliárd Ft KözOP forrást költhetett a Főváros közlekedési projektek előkészítésére
- A tanulmányok és tervek 2014. év végére elkészülnek, az előkészített projektek a 2014-2020-as időszakban megvalósíthatóak
- A projektek a BMT-vel összhangban vannak
- Az IKOP városi-elővárosi kötőtpályás fejlesztéseire 200 milliárd Ft fog rendelkezésre állni Budapesten
- A 2014-2020-as támogatási keretbe az áthúzódó tételeket (járműprojekt 2016-os része) figyelembe kell venni
- A CEF szerepét a városi-elővárosi közlekedés finanszírozásában tisztázni kell

## Preparatory projects

### Refurbishment of metro line M3

- Winning consortium of planning procurement: Főmterv-Uvaterv
- Total cost: 1.8 billion HUF
- EU co-funding: 730 million HUF
- Concept and cost plans complete
- Planning process to finish at end of 2015
- Feasibility study being prepared for Káposztásmegyer-M0 motorway extension



## Preparatory projects

### Örmező intermodal transport hub

- DBR project
- Full urban development and intermodal hub at the metro terminus
- Public procurement closed for construction of motorway junction by 2015/16
- Integrated, Volán regional bus – and BKK bus terminal
- P+R car park for 1,500 cars
- No available funds for further development





## Suburban railway project

- North-South Regional railway concept plan ready, project would be 1st phase of the plan
- Objectives: elimination of „slow signs“, barrier-free accessibility, transport safety, vehicle replacement
- Refurbishment of H5 – plans partially ready and approved
- Refurbishment of H6
- Procurement of 50 trains





## Tram line on outer section of Bécsi út

- Northern extension of EU co-funded refurbished tram line 1 and interconnected tram network in Buda on Bécsi út
- Construction of new intermodal transport hub at Aranyvölgy station (to be refurbished in a project by the National Infrastructure Development agency) on the Budapest-Esztergom railway line (MÁV Hungarian State Railways trains, trams, local and regional buses, P+R, B+R)
- Improved transport services for the north-western metro area of the capital; road traffic reduction on Bécsi út, as access road
- To serve residential and office areas on outer section of Bécsi út (eg. Aranyhegy) and development areas , such as former Óbudai tile factory.
- Planning contract concluded



## City Centre – Újpalota tram line

- The eastern extension metro line M4 is too expensive, not realistic, nor justified based on passenger traffic, but in peak hours 60 buses/hour arrive from this direction
- Tram service to replace eastern branch of bus line group 7
- Introduction of 70 km/h speed on some section of the line
- May support revitalisation of Rákóczi út



# Southern extension of tram line 1 (Etele tér)

- Extension from Fehérvári út to Etele tér is justified to provide network connections at street-level facilities of the Etele tér terminus of metro line M4
- new fixed-rail connection between developing central area in Buda and Pest, to be used by 40,000 passengers per day
- License plans complete, permit process partially complete; if funds available, implementation due in 2016-2017
- Public procurement for planning completed



# BMT – Budapest project list

	Estimated cost (net billion HUF)	Earliest possible implementation date
M1 Millenniumi Földalatti Vasút korszerűsítése és hosszabbítása Kassai térig és Vigadó térig, járművel	28	2017-2020
M2 metró és Gödöllői hév összekötése I. ütem, járművel (a projekt folytatását a 2021-2027 OP-ból feltételezve)	100	2018-2022
M3 metróvonal infrastruktúra rekonstrukciója, meghosszabbítás nélkül (jármű nélkül!)	100	2016-2020
Budapesti HÉV vonalak fejlesztése (H5, H6, H7)	160	2016-2022
1-es villamos Etele térig történő meghosszabbítása	9.8	2015
2-es villamos rekonstrukciója	10	2017-2018
3-as villamos északi meghosszabbítása Árpád hídig	11	2017-2018
42-es villamos meghosszabbítása Havanna ltp-ig	14	2016-2017
Bajcsy-Zsilinszky úti villamos Lehel tér és Deák tér közt	17.5	2016-2017
Belváros – Újpalota villamosvonal	40	2016-2019
Külső Bécsi úti villamosvonal	10	2020
Fogaskerekű vasút meghosszabbítása és rekonstrukciója	20	2019-2020
Trolibuszvonalak hosszabbítása	2	2016
Villamos és trolibusz járműfejlesztés II. ütem, fenti villamos- és troliprojektek járműigénye + I. ütem áthúzódo része	58	2016-2020
Órmezői autópálya-csomópont és autóbusz terminál	15	2015-2016
<b>Összesen:</b>	<b>457</b>	



Thank you for your  
kind attention!