



EUROPEAN UNION
EUROPEAN REGIONAL
DEVELOPMENT FUND



RAIL INFRASTRUCTURES AND SERVICES:

CONNECTING EUROPE FOR CITIES AND PEOPLE

CITY OF SOFIA – MOBILITY MANAGEMENT POLICIES

Metodi Avramov
City of Sofia

Bologna, October 15th, 2014



SOFIA

Area – 1 311 sq.km.

Population – 1 300 000 inhabitants

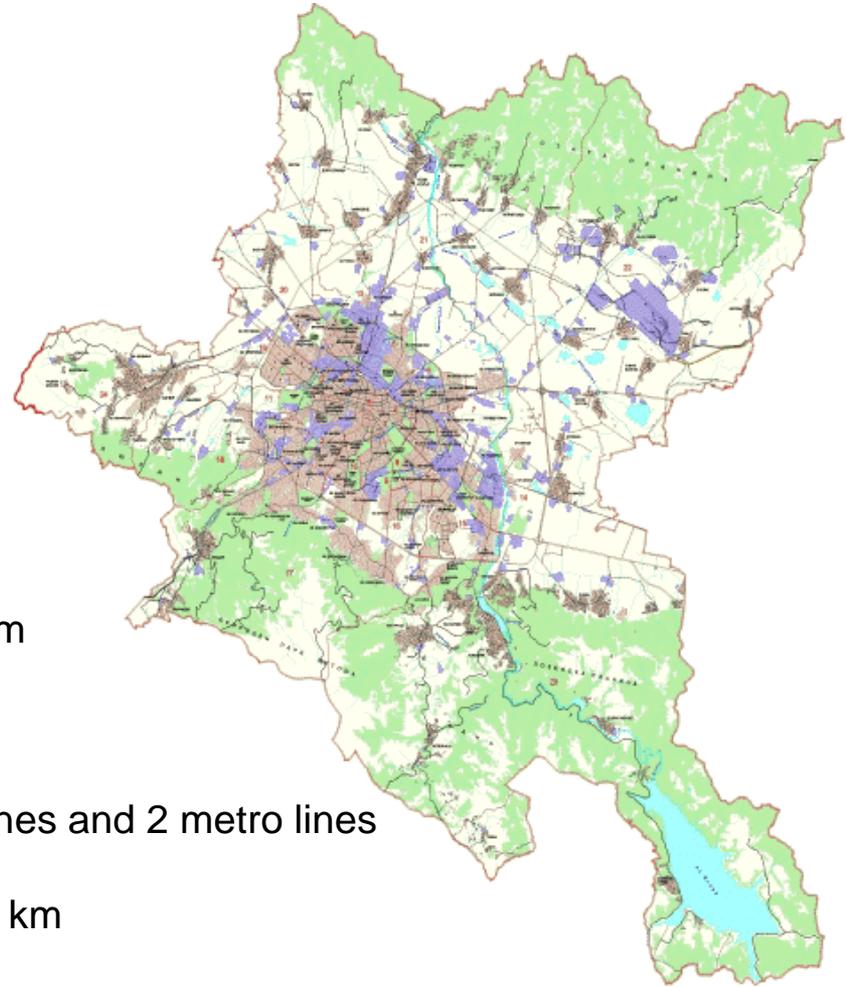
Length of the public transport network – 1 589 km

Number of public transport vehicles – 839

Number of public transport lines – 117 surface lines and 2 metro lines

Public transport services (2013) – 60 mil vehicle km

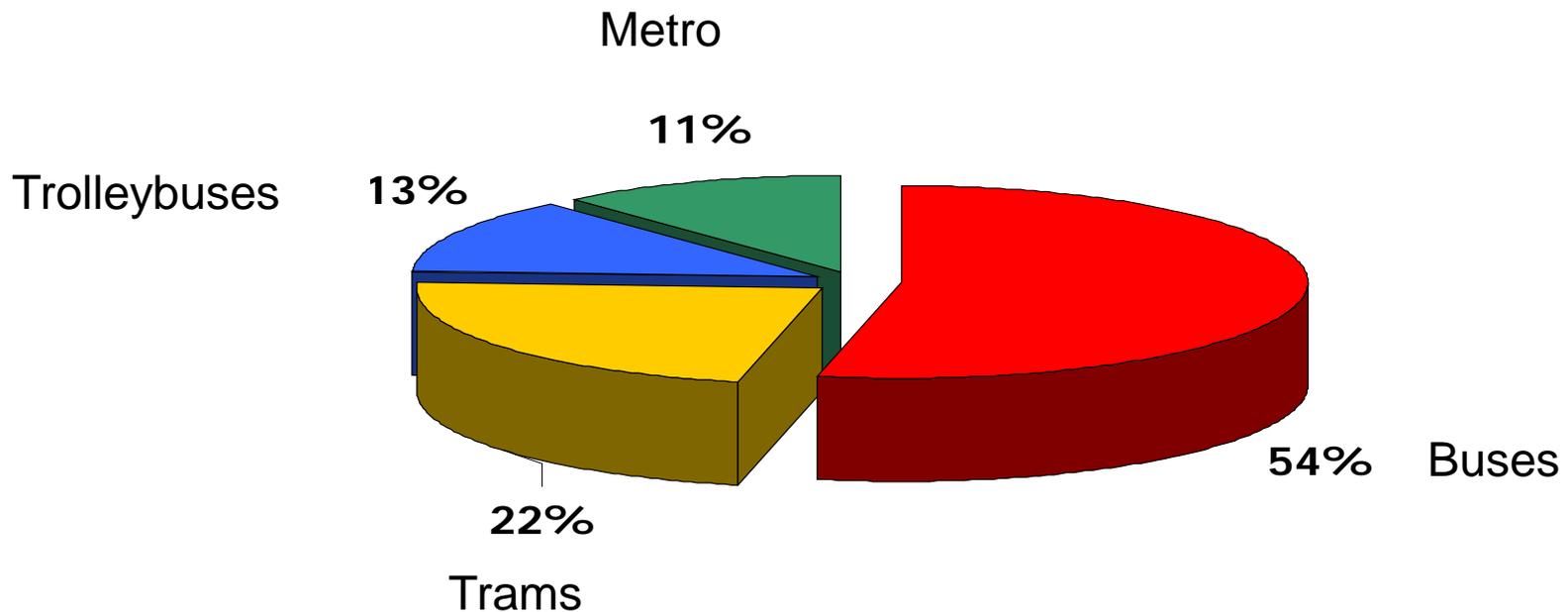
Number of public transport trips for 2013 – 450 mil.



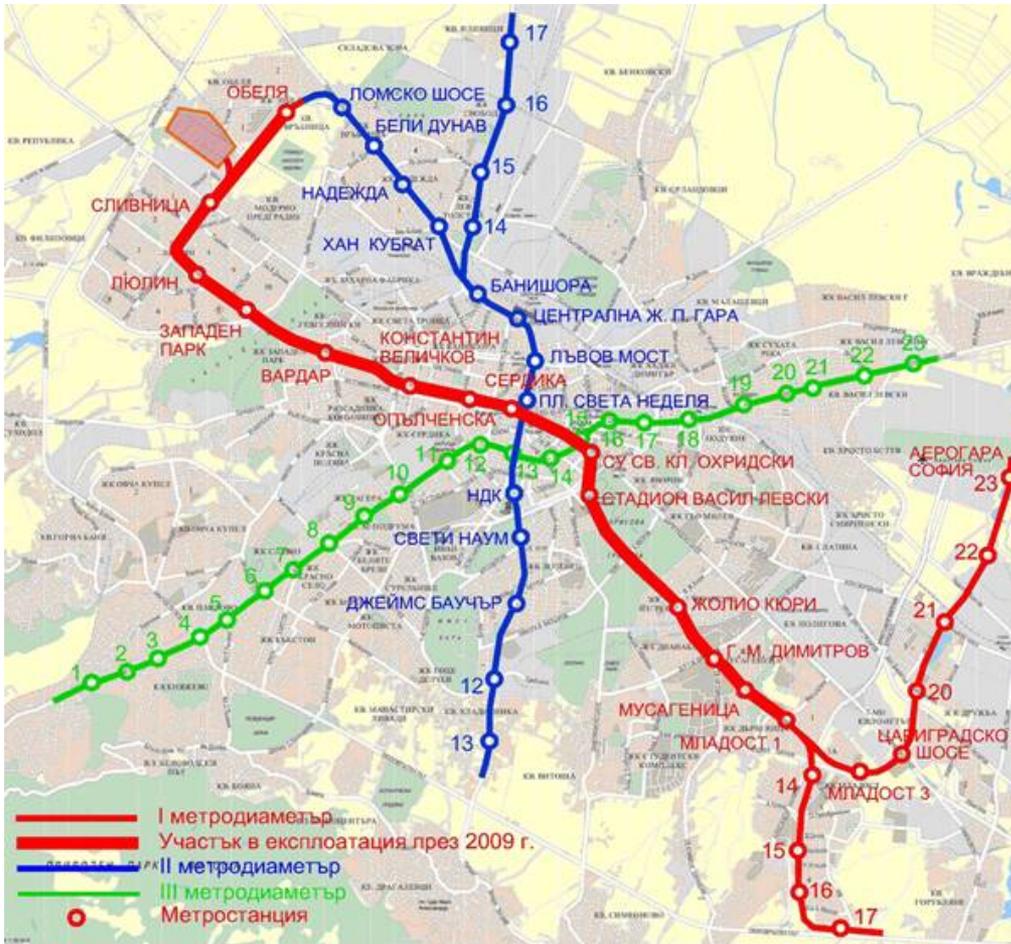
1. Public transport

- Extension of the existing lines and construction of the 3rd metro line
- Renewal of the public transport fleet
- Public transport vehicles priority - Intelligent Traffic Management system
- Real-time information for passengers

Public transport modal split (2013)



General scheme for the development of the metro



Renewal of the public transport fleet

Implementation of activities for improvement of air quality by purchase and delivery of:

- 20 low-floor trams
- 10 new metro trains
- 126 low-floor CNG buses

Sofia Integrated Urban Transport Project:

- Delivery of 50 new articulated low-floor trolleybuses



(c) Fantomas / GTSofia.info



Electric bus – pilot project





The bus uses ultra capacitor – charging faster than usual batteries.
The charging takes about 7 minutes, which is enough for a 30 km run.
Max.speed - 80 km/h.
Capacity - 90 passengers (32 seats).

The bus operates on trolleybus line 11.

Charging at the final stops on the route.



Rail Infrastructures and Services: Conn

Public transport vehicles priority

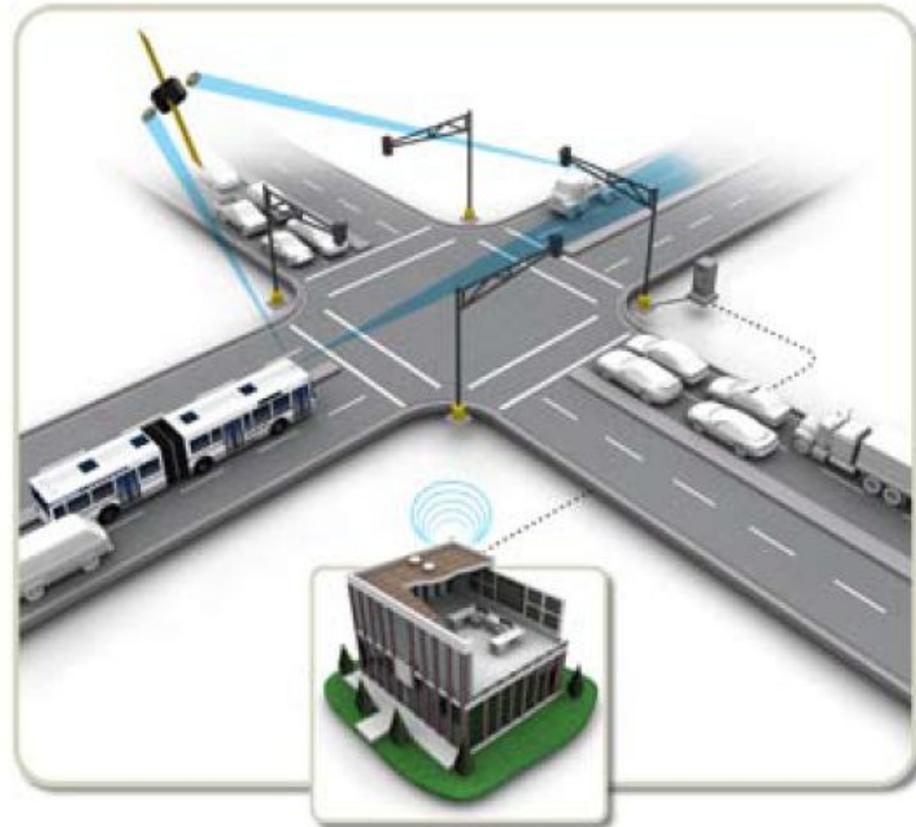
Intelligent Traffic Management system
at 20 major intersections in Sofia

Scope:

ITS equipment for 20 intersections

ITS equipment in 750 vehicles

Construction works at 7 intersections



Real-time information for passengers



Избери линия

Вид транспорт: Автобусен

Линия: 6

Маршрут: АВТОСТАНЦИЯ ГЕО МИЛЕВ - СЕЛО ГЕРМАН

Спирка: (0970) КОРАБЧЕТО

Избери маршрут

- АВТОСТАНЦИЯ ГЕО МИЛЕВ
- СК ЦСКА
- ПЛОЩАД НА АВИАЦИЯТА
- МБАЛ Св. АННА
- ДЪРЖАВНА ПЕЧАТНИЦА
- КОМПЛЕКС НА БАН
- МАГАЗИН МЕТРО 1
- КОРАБЧЕТО
- ГОРУБЛЯНСКО ХАНЧЕ
- МОСТА ЗА РЕЗИДЕНЦИЯ ВРАНЯ
- РАЗКЛОНА ЗА С. ГЕРМАН
- КОРИЯТА
- В.З. ГЕРМАН
- СТАДИОНА ГЕРМАН
- 86-ТИ ПОЩЕНСКИ КЛОН
- СЕЛО ГЕРМАН

Търсената от вас спирка е:

КОРАБЧЕТО
"КВ. ГОРУБЛЯНЕ; БУЛ. ЦАРИГРАДСКО ШОСЕ; ПОСОКА КВ. ГОРУБЛЯНЕ";

Резултати от търсенето

Час на пристигане

09:14 изчислено в: 09:12 14.10.2010

09:40 изчислено в: 09:12 14.10.2010

Резултати от търсенето

- Превозни средства с улеснени условия за достъп.
- Превозни средства с климатик.

1. More than 700 electronic information boards at public transport stops

2. www.sofiatraffic.bg

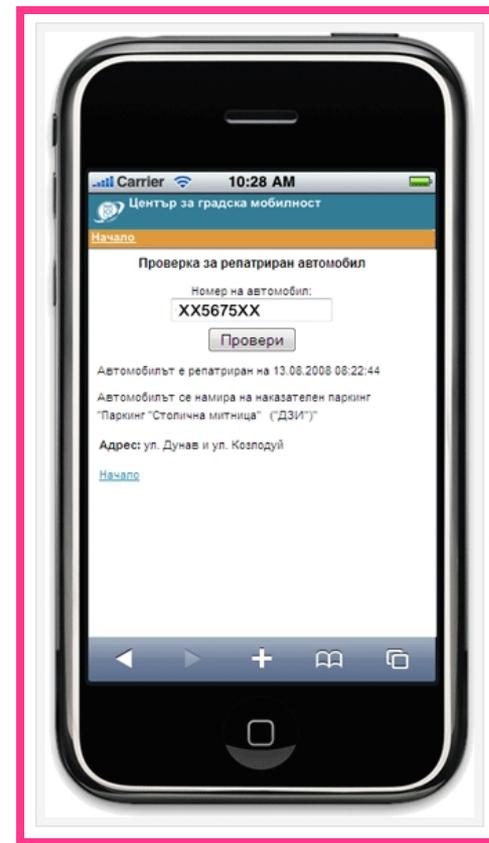
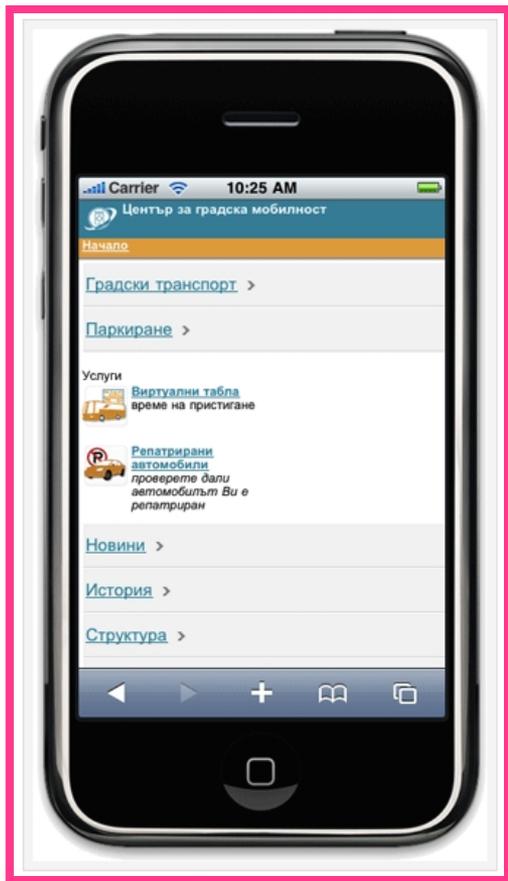
- search by route
- search by station
- map search

3. In vehicles

Information if the vehicle is accessible



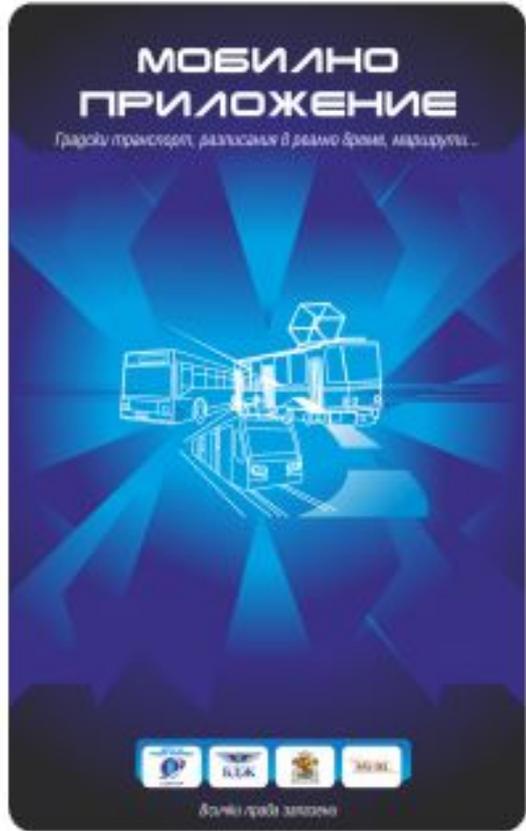
Mobile version of the website - m.sofiatraffic.bg



Rail4See mobile app - for iOS and Android

**Connecting railway stations
with place in the city by
public transportation**

**Reach any destination you
want with public transport**



2. Parking policy

Short-term paid parking zones

Construction of surface and underground car parks to increase the capacity for parking

Park&Ride at metro stations

Short-term paid parking zones

Reducing the traffic in the city centre by introducing short-term paid parking zones

“BLUE ZONE“ about 5,000 parking spaces

Maximum duration of time for parking – up to 2 hours.

Price – 2.00 BGN per hour

Mon-Fr: 08.00 - 19.00 h.

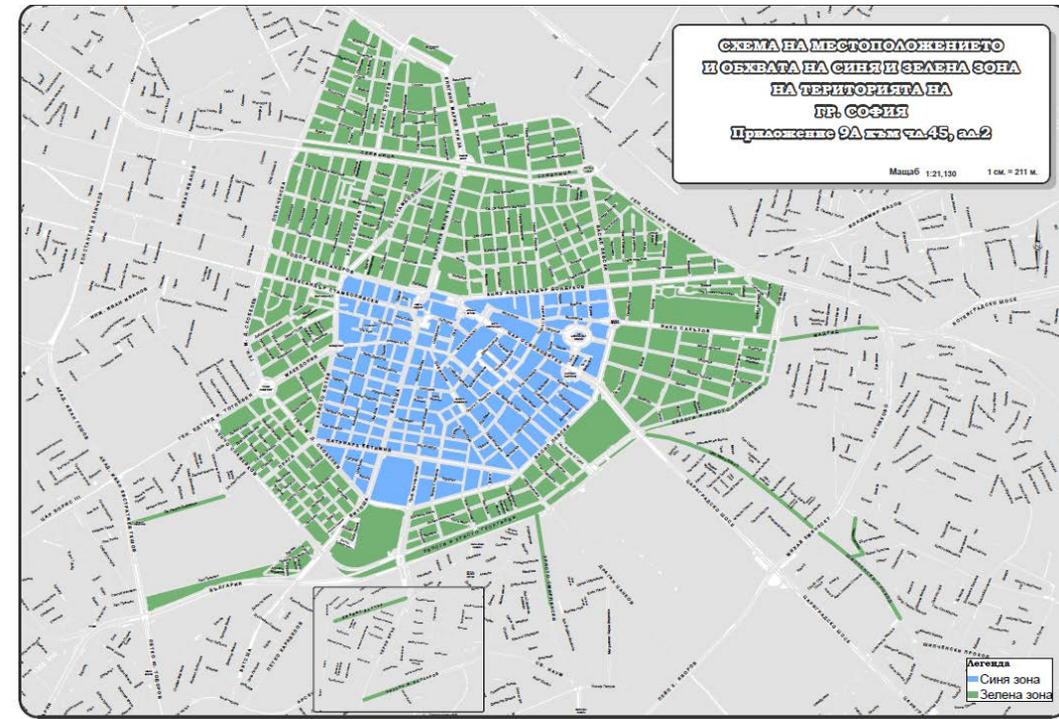
Sat: 08.00 - 14.00 h.

“GREEN ZONE“ about 11,000 parking spaces

Maximum duration of time for parking – up to 4 hours.

Price – 1.00 BGN per hour

Mon-Fr: 08.00 - 19.00 h.



Electric vehicles can park in short-term parking zones for free.



Real-time information for available parking places at 14 locations in the blue zone

Real-time information at www.sofiatraffic.bg

Parking pay stations

3000 parking lots park & ride at metro stations



Incentives in favour of public transport:

- Free parking with monthly public transport pass
- Discounts with metro single ticket

3. Improving the transport infrastructure



4. Development of cycling infrastructure in Sofia



- 35 km cycling network

Transit routes

Feeding routes

Routes for recreation and leisure

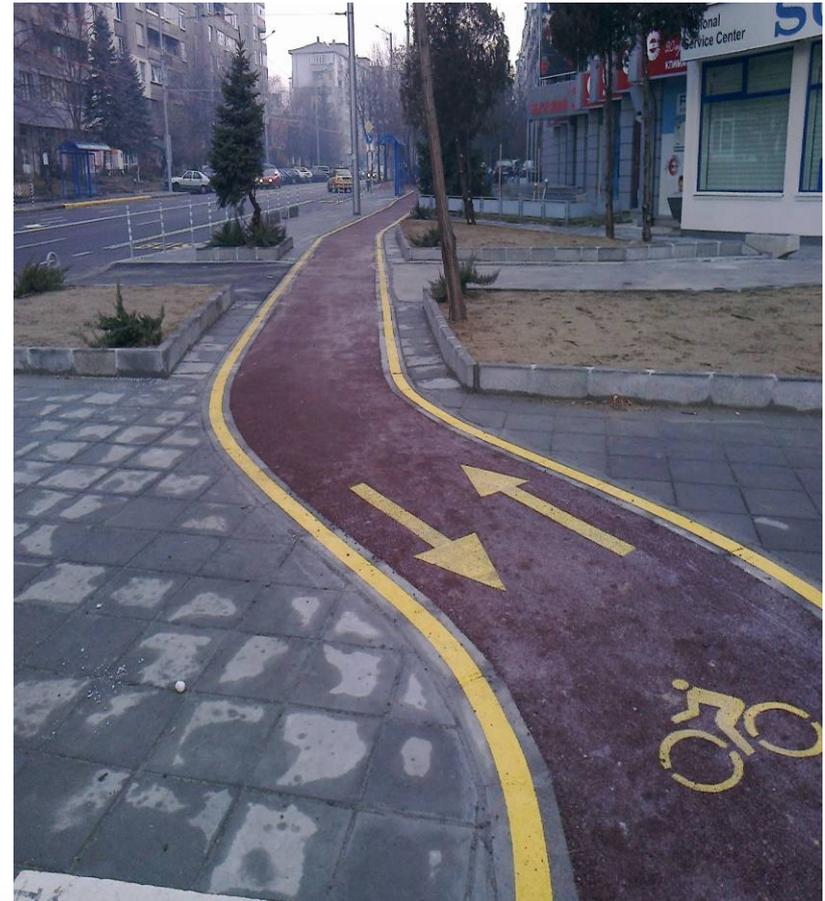
- 1% active cyclists

- The planned length of cycling network until the end of 2015 is 66 km.



Strategic Framework for Cycling

- **Master Plan for Traffic Organization of Sofia Municipality**
- **Programme for development of cycling in Sofia**
- **Development Plan for Cycling in Sofia**
- **Establishment of working groups with participation of NGOs**



5. Rail4See added value for improving mobility management policies of Sofia municipality

Tariff integration between urban transport and railways

The Master Plan of Sofia Municipality shows insignificant use of the railways for urban trips - 10 000 trips per day /less than 1% of the total urban transport trips/.

Steps for the implementation of integrated transport documents:

1. Preliminary actions:

- Coordination at the political level - the institutions of central and local government
- Coordination and coherence with PT operators

2. Possible stages of introducing integrated tariffs:

- Mutual recognition of tickets for the same route
- Mutual recognition of tickets within the network
- Integrated tariffs



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***THANK YOU FOR YOUR KIND
ATTENTION !***

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Bologna, October 15th, 2014