AGENDA

Key tasks for Transport development

– Integration of transport planning with Urban planning
– Improvement of Public transport Services:
  ➢ Increasing Public transport average speed and decreasing travel time
  ➢ Accessibility by Public Transport all City territories
  ➢ Implementation Cashless payment and more friendly tariff in all kinds of Public Transport
  ➢ Improvement Information systems for passengers
– Investments in energy efficient, ecologically friendly rolling stock
– Development of Bike infrastructure
– Creating friendly environment for pedestrians
– Development of investment attractive parking concept
– Innovation in transport
Integration of transport planning with Urban planning

With support of KFW Bank in 2009 Strategy for public transport was developed. Traffic model is developed based on VISUM software and it’s used for road’s construction and rehabilitation program and traffic reorganization.
Improvement of Public transport Services

Increasing Public transport average speed and decreasing travel time

Implementation of a Traffic Management System for Tram Corridors 2 and 6

Employer
LVIVAVTODOR

Project Financing
EBRD

EBRD Consultant
iCconsulenten

Contractor
Swarco Traffic Systems
Improvement of Public transport Services

Key tasks for Transport development

- Rehabilitation tram tracks
- Rehabilitation road travel lanes and pedestrian areas
- Installation of traffic management center and adaptive traffic control system based on the traffic flows intensity
- Activation of Tram Prioritization and decrease of passengers trip travel
- Installation of passenger information system for better comfort and information
Improvement of Public transport Services

- Traffic Management Center
- CCTV cameras
- Push buttons for pedestrians
- Enforcement system
- Traffic controllers 40V
- Traffic lights 40V
- Video detectors on every intersection
RESULTS ACHIEVED

Increasing Public transport average speed and decreasing travel time by the prioritization provision of public transport
As a result the travel time on the tram line 2 is decreasing by 21%.
Improvement of Public transport Services

Improvement Information systems for passengers

Public transport network map
Improvement of Public transport Services

Improvement Information systems for passengers

GPS tracking system implemented on all kinds of Public transport gives real time picture
Improvement of Public transport Services

Improvement Information systems for passengers

4 line panel and 2 line panels at stops
Display:
- line number,
- last station (destination),
- WAITING times of arrival (in minutes)
- General messages by the input of operator from TMC
Improvement of Public transport Services

Improvement Information systems for passengers

On the basis of GPS tracking system for all public transport rolling stock Web based application for passengers is implemented
Improvement of Public transport Services

Accessibility by Public Transport all City territories before route network redesign

Accessibility of City center by public transport, minute
Improvement of Public transport Services

Redesign of Public transport network. Implementation of Radial routes and BRT
Improvement of Public transport Services

Pilot BRT Route 3A, length
Current : 18.5 Km, Travel time 50 min
After implementation : Travel time 38 min
Improvement of Public transport Services

Implementation of Cashless payment system and new tariff scheme.

City prepared Request for Proposal and start negotiations with EBRD for Project financing.
Investment program in ecologically friendly transport mode

City supported development of first Ukrainian accessible tram
Development of Bike infrastructure

Share of public transport usage in 2009

- Private cars: 26.4%
- Public transport: 39.1%
- Bike: 33.6%
- Pedestrian: 1.0%

2008
Development of Bike infrastructure

Developed Bike network foreseen construction more than 250 km of bike path. Usage of bikes grow for 400%.
Development of Bike rental infrastructure

With support of GIZ cooperation between Nextbike (D) and Veliki (UA) has been established.

- 220 bikes
- 22 Rental points
- 300 Parking places
Innovative projects

City Center is listed as UNESCO Heritage. More than 1,5 mio tourists are visiting Lviv every year.

To assure safety and comfort for pedestrians city close historical center for cars
Innovative projects

Social research
Innovative projects

Education Program “Smart City” provided by Lviv Business School, supported by City Authority

Examples of data use

- Greenhouse gas emissions
  - Multi-sectoral emissions accounting
  - Detailed sub-modules for transport (personal and freight)
- Land use Transport Model
  - Employment
  - Multi-modal transport
  - Developed land cover
  - Population
  - Planning constraints and attractors
- Testing of policy options
  - Working with key London stakeholders
- Climate impacts and adaptation
  - Analyse risks of flooding, drought, urban heat
- Regional economy
  - Dynamic resource interactions between sectors
  - Specialist energy sector module
- City-scale climate scenarios
  - Lancashire
  - Temperature
- Socio-economic scenarios
  - Income growth
  - Employment growth

Analysis of city-scale energy policies

Test adaptation options
Innovative projects

Ecologically friendly taxi in Lviv in cooperation with Shooter Company
Innovative projects

City Underground Parking Garage for 400 cars Investment Project