





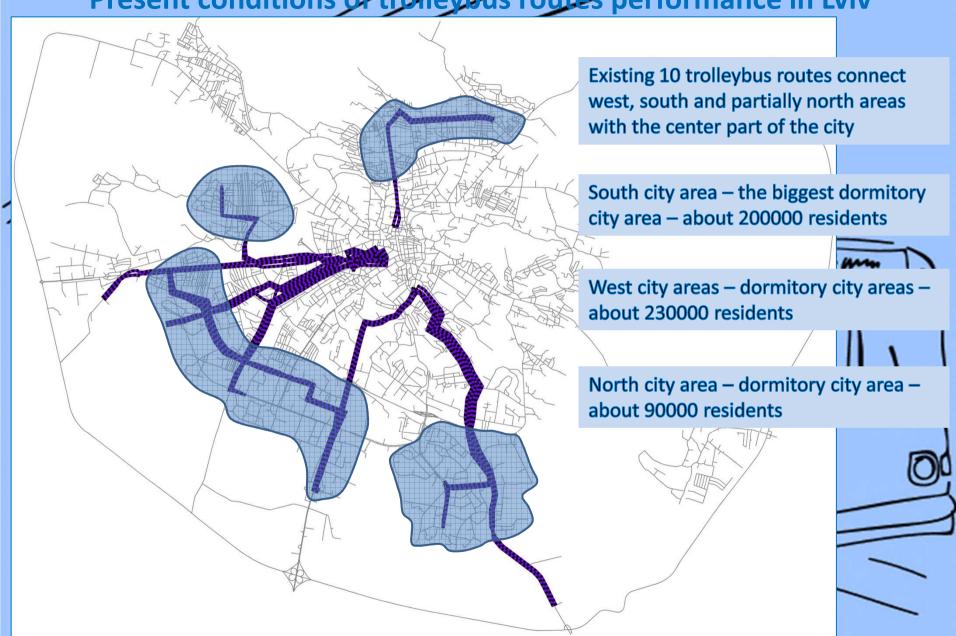
Structure of Presentation

- 1. Present conditions of trolleybus routes performance in Lviv
- 2. The main problems in efficient trolleybus routes running
- 3. The concept of new transit network in Wiv and place of trolleyous routes in t
- 4. Prediction of trolleybus routes utility and its share in travel demand





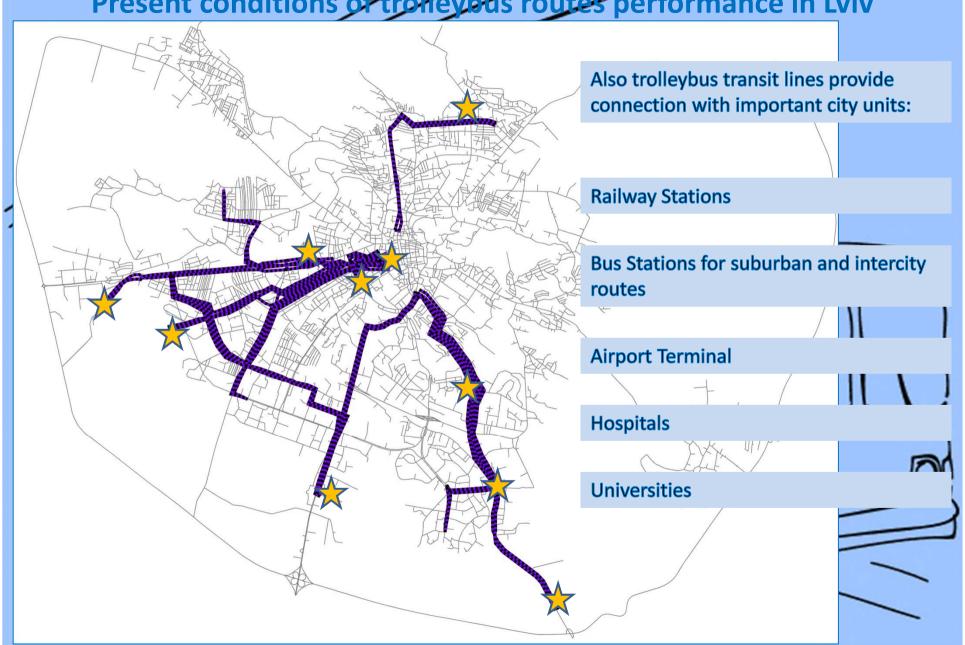
Present conditions of trolleybus routes performance in Lviv







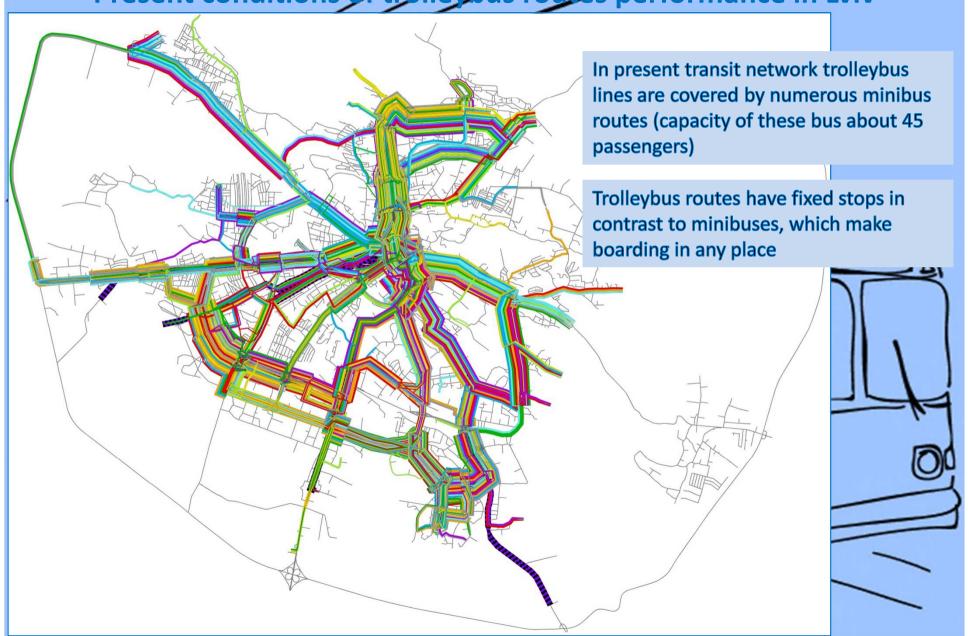
Present conditions of trolleyb routes performance in Lviv







Present conditions of trolleybus routes performance in Lviv

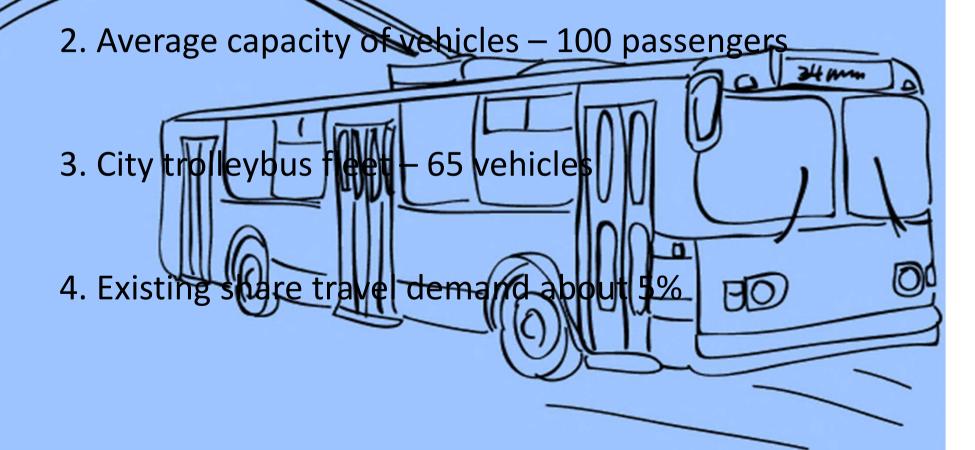






Present conditions of trolleybus routes performance in Lviv

1. Actual service speed on trolley lines - 12-15 km/h







The main problems in efficient trolleybus routes running



Certainly trolleybus city lines have unique advantages:

- High capacity vehicles
- Short routes on necessary passenger communications in total pattern of city trip distribution
- Environmentally friendly





Now trolleybus lines aren't efficient and city bears losses!!!





The main problems in efficient trolleybus routes running

Trolleybus routes can't be efficient in city transit network due to some reasons:

1. Total duplication of trolleybus routes by minibus routes

2. Low service speed because of enormous minibus number on city

road network

3. Breaking necessary headways through different times of day

4. Tickets selling by driver during dwelling time

5. Majority of old vehicles in city trolley bus fleet

6. Inadequate state of communication lines





Department of Transport Technologies with partner company Louis Berger designed new transit network for the city. The main principles for the new city transit network are:

1. Minimal routes number in central part of the city

2. Avoiding of trolleybus and tram-routes duplication by another modes

3. Avoiding any big duplication of bus routes

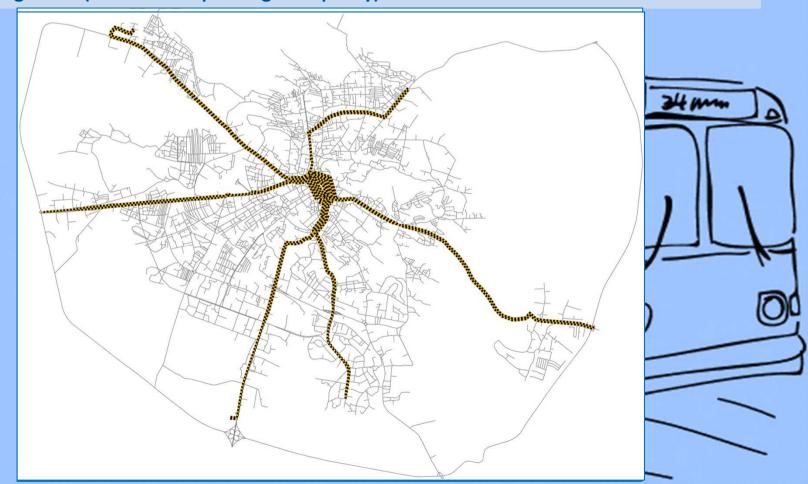
4. Using integrated ticket for all modes





The frame of proposed transit network are:

- 1. Existing 10 trolleybus and 9 tram routes
- 2. 6 radial big buses (100 and 185 passengers capacity) routes







40 minibus routes not enter the central part of the city and not duplicate in high level the frame routes







In new transit network trolleybus routes get perfect possibilities and can be efficient and useful in city passenger transportation system

The main results for trolleybus routes from implementation of new transit network are:

- 1. Increasing of passenger flows on these routes
- 2. Higher service speed on routes
- 3. Drivers not sell tickets in vehicles





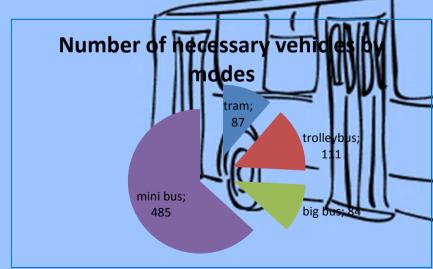
■ tram

■ trolleybus

■ big bus
■ mini bus

Prediction of trolleybus routes utility and its share in travel demand





Time period	Trips	
AM Peak	165000	
Weekday	1092000	7
Week	6382000	(
Year	311170000	

