

Urban public transport



Ulaanbaatar, Mongolia

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I. Historical timeline

- 1925** The 1st road transport organization was founded in Mongolia
- 1929** The urban public transport service started with 2 buses
- 1931** The 1st legal paper on transportation service is approved by the Council of Ministries
- 1940** The Ministry of Road and Transport of Mongolia was founded

I. Historical timeline

- 1950** The 1st taxi company began it's service with 3 cars
- 1962** Started to educate road and transport engineers and technicians
- 1969** Urban Public Transport Coordination Office was founded
- 1987** Trolleybus lines took place in service
- 1990** Pivatization is initiated in transport sector

II. Introduction to Ulaanbaatar

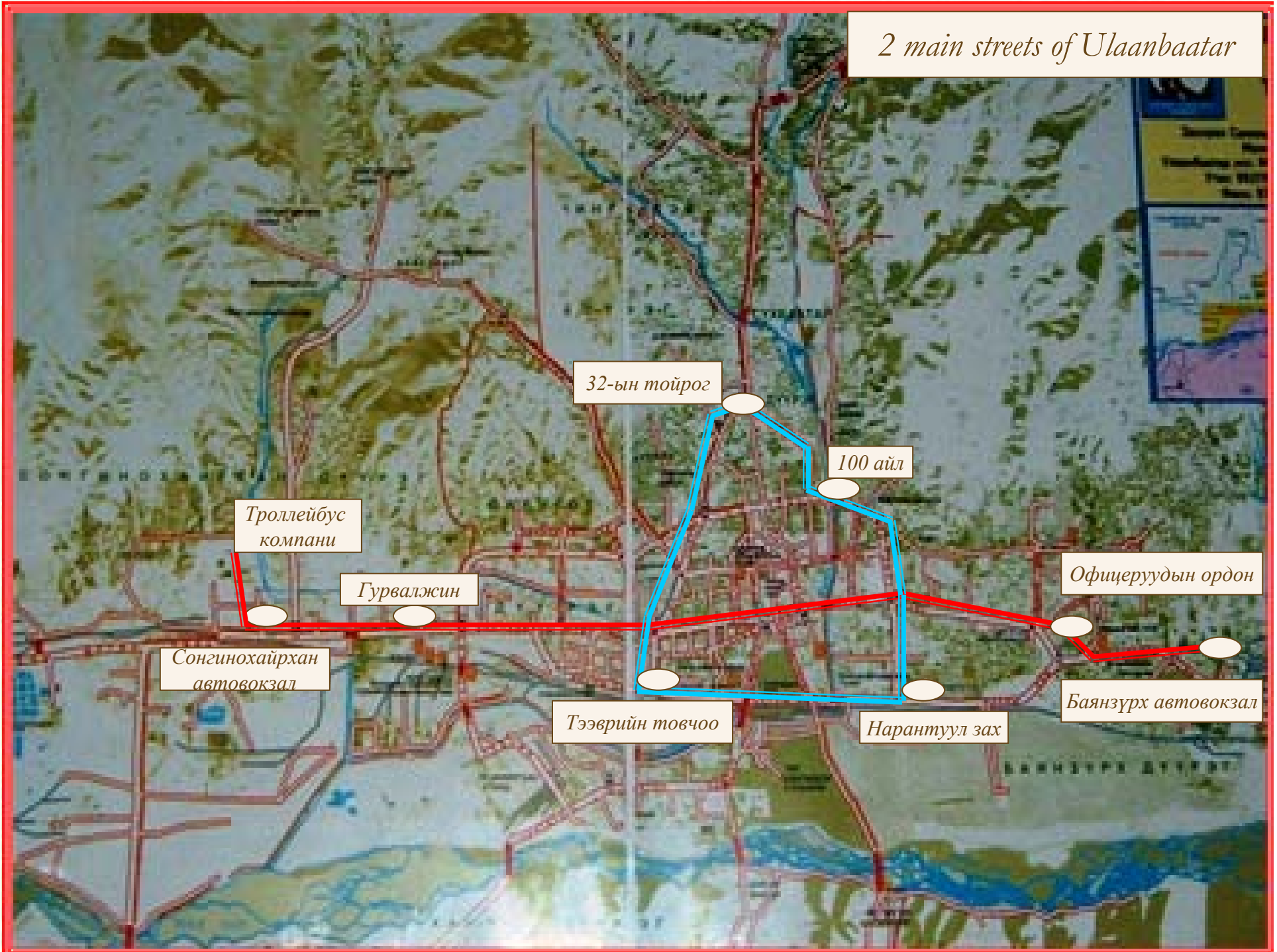
- Ulaanbatar is the capital of Mongolia
- Ulaanbaatar was founded in 1778
- With it's travellers total population estimates one million.
- Locates in the middle of 4 mountains



1. Administration unit and population

№	Districts	Population	Household numbers	Area (Sq.km)	Density (Person/Sq.km)
1	Sukhbaatar	112533	24568	208.4	534.0
2	Chingeltei	125367	29398	89.3	1403.9
3	Bayanzurh	184690	44408	1244.12	148.4
4	Bayangol	159085	36042	29.49	5394.5
5	Han-Uul	84114	18295	484.66	173.6
6	Songinohairhan	195721	42882	1200.6	163
	Central districts	861510	195593	3256.6	264.5
7	Baganuur	24606	6053	620.2	39.7
8	Nalaih	25694	5988	687.64	37.4
9	Bagahangai	3721	788	140	26.6
	Total	915.531	208,422	4704.44	194.6

2 main streets of Ulaanbaatar

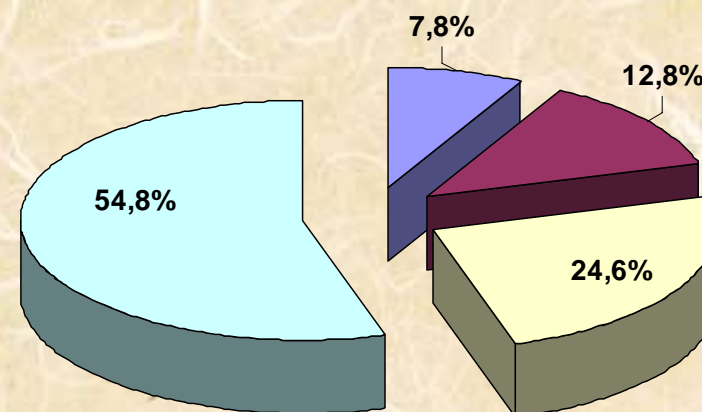


2. Number of transport means

Transport mode	1991	1995	1999	2003	2004	2004/1991 %
Bus	893	1813	4181	5872	6553	634%
Car	10021	13950	24027	42623	49123	390%
Truck	7514	7036	6422	7229	9658	28%
Special purpose machines	2290	1505	1664	1922	2027	-12%
Total	20718	24304	3.294	57646	67361	225%
Population (thou)	557.4	612.8	760.1	893.4	915.5	64%
Transport means/1000 people	37.2	39.7	47.7	64.5	73.6	98%

3. Structure of transport means

Used years	Number of transport means	Percentage
Less than 3	5266	7,8
4-6	8620	12,8
7-10	16547	24,6
More than 11	36928	54,8
Total	67361	100,0



4. Road network

- **Total length of the road is 361.1 km**
 - Asphalt 300.4 km
 - Concrete 47 km
 - Ground 13.7 km

- **Total length of the bridges is 3.3 km (50 bridges)**
 - Concrete 44
 - Wooden 6

5. Road condition

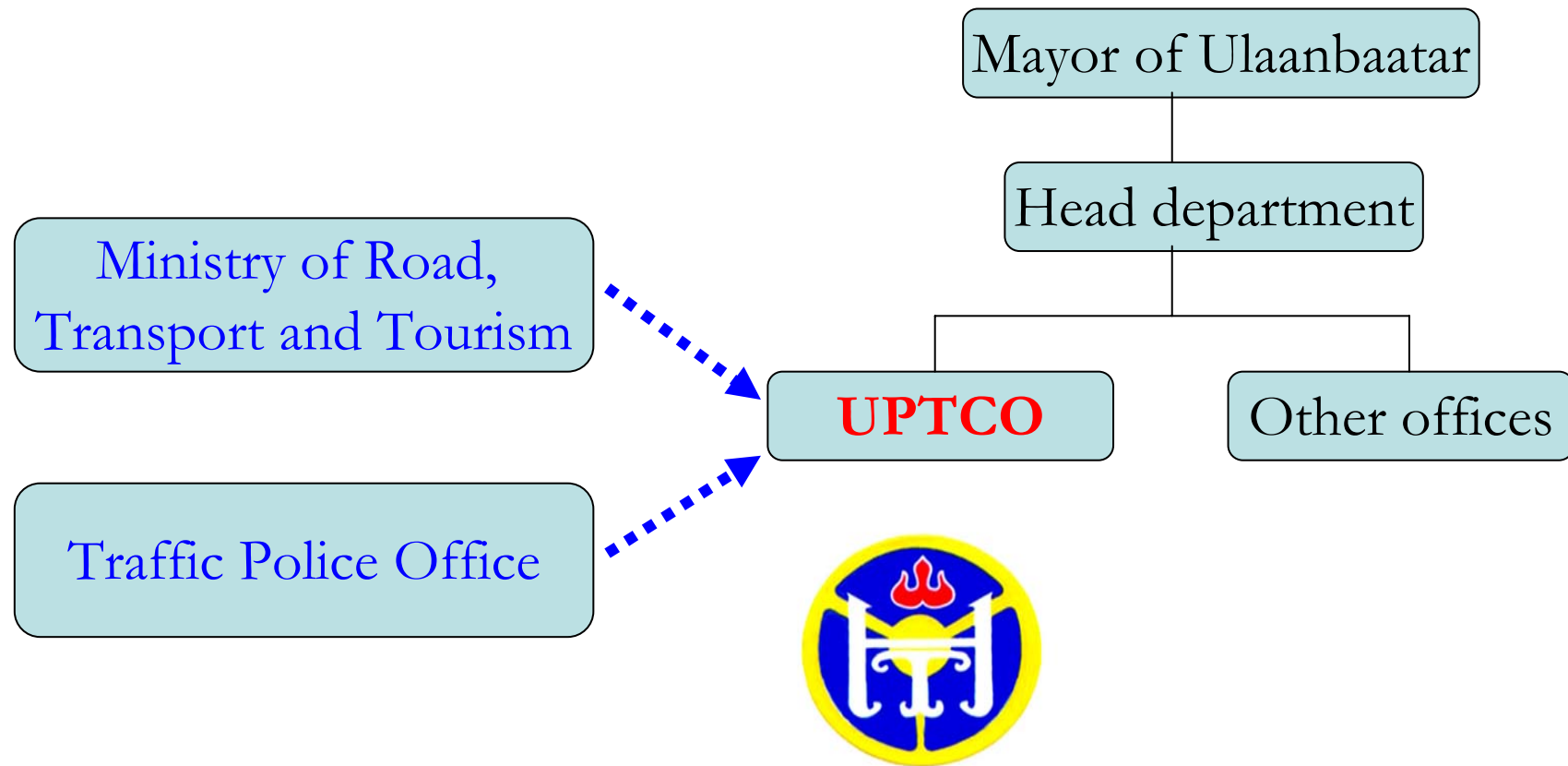


5. Road condition



PHOTO BY MOBINET ISP

III. Introduction to UPTCO



1. Urban Public Transportation Office

- **100% state owned non profit company**
- **Responsible for managing the urban public transport service**
- **Financed by the government and municipal budget**

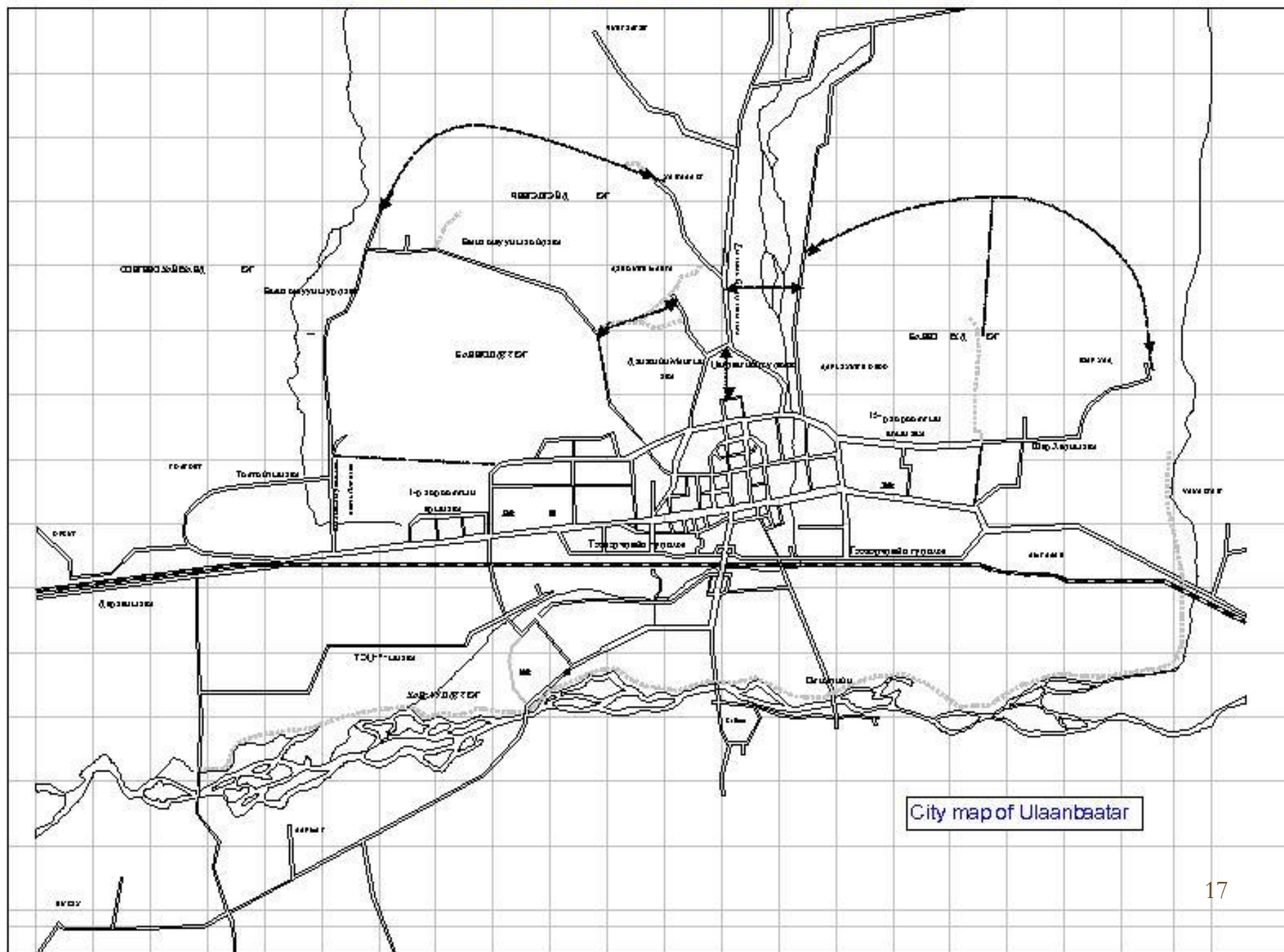
IV. Urban public transport service

No.	Transport service providers	Route	Transport mean		Passengers (2004)	
			Quantity	%	Mln passengers	%
1	Bus -State owned 3 -Private owned 17	Main-33	305	5,61	34,3	22,5
			385	7,08	32,1	21,0
2	trolleybus - State owned 1		53	0,97	6,6	4,4
3	Microbus - Private owned 71	Supporting-35 Express-29 Outer-9 Cottage-7	2016	38,0	62,7	41,2
4	Taxi - Private owned 57		2673	50,0	16,6	10,9
Total	149	113	5432	100.0	152,3	100.0

1. Public transport means



Urban public transport network of Ulaanbaatar



2. Network length

- **Network length 3186.6 km**
- **The average length of the routes 28 km**
 - **The longest route 42 km**
 - **The shortest route 6 km**

3. Marks of the buses

Japanese	Nissan, Hino
Korean	Aero 520, Hyundai, Asia, Daewoo, Grace
Chinese	Xin Bao, Zin Hua
Czech	Karosa
Russian	PAZ 672, 677, LIAZ 677

4. Waiting time

- **Microbus 3 mins**
- **Bus 7 minutes**
- **Trolleybus 8 minutes**

5. Age structure and fare payment

Group	Type	Person	Fare payment
1. Age structure	Pensioners Male – 60 and above Female – 55 and above	72645	Pay free
	Middle age Male 35-60 Female 35-55	131432	Must pay
	Youths (18-35)	300888	Must pay
	Teens (7-18)	210667	Must pay
	Children (0-7)	99899	Pay free
	Overall	915531	
	2. Invalids		16354
3. Students	142 university and colleges	108000	Must pay
4. Pupils	178 Secondary schools	185626	Must pay
5. Police officers		5200	Pay free



6. Ticket price

Transport means	Price * (MNT-Euro cent)	Explanation
Trolleybus	100 – 0.06	
Bus	200 – 0.12	
Microbus	100, 200, 300	Varies from the distance and route
Taxi	300/km	Minimum 500 MNT

* 1 euro = 1695 MNT

V. Problems

- 1. Air pollution**
- 2. Poor city planning**
- 3. Pay free travellers**
- 4. Traffic congestion**
- 5. Traffic accidents**
- 6. Fare evaders**



Vehicles

Main sources of air pollution



Power plant



Coal using houses



Microbuses are the origin of traffic jam



Conductors shouting to announce the route



Thank you for your attention