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SCIENTIFIC BASIS OF CITY ROAD TRANSPORT NETWORK PLANNING

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Annotation: In this article, information about the main purpose of urban road transport network planning is highlighted, it is to design engineering underground networks taking into account the conditions of the urban area, to organize safe movement on the roads.

Key words: City, Urban road transport networks, transport nodes, street and road networks, urbanization.

Introduction

According to the experts of the UN Development Program in Uzbekistan, today the main part of cargo and passenger transportation falls on highways.

In particular, about 85% of goods and more than 95% of passengers are transported by road.

This indicates that highways play an important role in the socio-economic life of our country. Therefore, the task of establishing a transport and communication network that provides consumers with reliable, convenient, safe and profitable transport links in Uzbekistan is of great importance. In the following years, large-scale "Tashkent City", "Almazar City", "Akai City", "Namangan City", "Bukhara City", "Samarkand City", "Khovos City", etc. such constructions are being carried out rapidly.

One of the main tasks performed in urban road networks is the organization of safe movement of traffic, pedestrians and cyclists along the network, elimination of traffic congestion, increasing the carrying capacity of the street, along the street ensuring optimal speed and reducing traffic accidents. The use of the methods used in the implementation of the listed activities and the improvement of the transport-operation indicators of city roads and streets is not only for the proper organization of traffic, but also for increasing the safety of traffic and the ability to pass the street. effective. Also, the above-mentioned activities are cheap compared to street reconstruction, and should be considered as the first step to improve the traffic conditions of city roads and streets before capital works.

MAIN PART

Today, the development of international and local roads is of urgent importance for our republic. Because the process of rapid integration of our country into the world economy is directly related to the efficient operation of the road system.

Therefore, the task of establishing a transport and communication network that provides consumers with reliable, convenient, safe and profitable transport links in Uzbekistan is of great importance.

The main goal and tasks of planning and development of urban road transport networks

- transport problems in these cities:
- operation of street and road networks with heavy loading;
- decrease in the capacity of transport on city roads;
- residents spend a lot of time using motor vehicles;
- study and analysis of regional problems for the construction of new roads in the city;
- the impact of city transport on the design of the network of city roads and streets;

design of water removal networks from city streets and roads;

- design of engineering underground networks taking into account the regional conditions of the city;
- the city consists of organizing safe traffic on streets and roads;

- designing city streets and roads without harming the environment and ecology.

From the point of view of urban planning, a city is a place where residences, administrative bodies, production enterprises and other buildings, as well as various enterprises, social, cultural, healthcare and other institutions are concentrated in a certain limited area.

From the point of view of transport development, the city is a center of railway and highway, air and water transportation hubs.

Processes of movement and distribution of passengers and goods take place in the territory of transport nodes.

The plan of city street networks is determined by the location of production enterprises, residential areas, public buildings, railway stations, wharves, as well as junctions of roads outside the city.

First of all, the main highways will be designed according to the shortest route. The rest of the streets will be placed in the form of auxiliary roads to the main highways under the condition of connecting residential areas with industrial enterprises, institutions, railway stations, etc.

Taking into account the above, the main goals and tasks of urban road transport network planning should be:

• Transport networks should become important for the economy and serve its development;

• The issue of delivering cargo and passengers to the destination in a short period of time should be resolved;

• Necessary opportunities for continuous and safe movement of transport and passengers should be created;

• Drivers and passengers should be provided with sufficient comfort;

• Do not harm the health and life of the population;

• Reducing damage to the environment as much as possible, protecting the environment.

CONCLUSION

The main goals and tasks of urban road transport network planning are transportation problems in cities: the operation of street and road networks with heavy loads, the reduction of the capacity of vehicles on city roads, the fact that residents spend a lot of time in the use of motor vehicles, and Studying and analyzing area problems for building new roads in the urban area, and the impact of urban transport on the design of the urban road and street network, the design of road drainage networks, engineering taking into account the conditions of the urban area design of underground networks, organization of safe movement on roads. Planning of new cities is based on the basic principle of creating the best amenities for residents. The planning of new cities, the development and reconstruction of existing cities, is based on a comprehensive study of the placement of industrial and transport links, the selection of the most suitable plots for residential areas, and the creation of green areas.

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