

PAPER

IMPROVING THE MANAGEMENT SYSTEM IN THE FIELD OF ROAD SAFETY

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Abstract

In recent years, special attention has been paid to eliminating existing problems in the field of road safety in our country, improving road transport infrastructure in accordance with international standards, reconstructing highways, and increasing the comfort and safety of road traffic.

A number of decrees and resolutions of our President have set new tasks and measures for the comprehensive improvement of road infrastructure. This has become an impetus for the further development of the sector .

- comprehensive improvement of transport infrastructure;
- digitalization of the traffic control system on transport routes;
- development and digitalization of public transport;
- intensify road safety awareness campaigns, to establish practical teaching of traffic rules to children; The tasks and powers of government bodies in managing the field of road safety in our republic are defined in the Law on Road Traffic.

Key words: road, driver, safe, situation, transport, traffic, system, traffic light.

Analysis and results

Road movement current management system , privileged road right based on the automotive industry existed in its early days and general right to the norms based from the system every It is relevant in every way. Traffic lights, main and secondary the roads distinction and other order to put measures road movement much makes it safer and drivers on the road great for the situation from responsibility deprived .

Today we have there is was transportation management system initial emerging modern transportation tools management about experienced state competent authorities by created. They their own scientific point of view in my opinion relying on, problem in advance learned road rules They accepted .

In our country cars number every day is growing , human life quality and comfort to the level, movement quality and to the speed related . Car on the roads When moving, the safety of traffic participants is the primary goal. Citizens of the country of life security level provide directly depends on the level of safety on the roads. Car of transport sharp increase one row negative leads to factors . On the roads transportation of tools abundance traffic jam appearance to be , transport speed to decrease , to increase prices

and transportation process efficiency leads to a decrease .

Several authorized bodies are responsible for ensuring, regulating , and controlling road safety on the roads of the Republic of Uzbekistan is carried out by the Cabinet of Ministers of the Republic of Uzbekistan, local government bodies and specially authorized state bodies in the field of road traffic for ensuring road safety is provided in

Conducting research into the causes of accidents and to organize coordination, implementation of targeted fundamental, applied and innovative research projects in the field of road safety , Identifying the underlying factors that contribute to road safety violations and developing measures to eliminate them, and studying legal, engineering-technical, informational, organizational-methodological problems of increasing the level of protection of road users from traffic accidents .

Road lines , to organize road traffic technically installation , replacement and maintenance of equipment on the procedure for engaging an outsourcing service for display charter:

All at regulated intersections traffic light regulatory tables coordinated possibility of regulation providing traffic light cycles new duration processed taking into account .

Under study intersection both direction for coordinated regulatory plans is carried out:

Developed coordination of plans every one of efficiency parameters and day and of the week days according to plans It's time to change .

Coordination programs calculation directly Real movement in time parameters and conditions measurement to the results according to implementation system further flexible. Such without , to the system high speed hard to ensure condition is placed.

From the first stage to the other transition period some inevitable expenses with related, because they are self- traffic light cycle duration and its constituent phases, also phases may vary with change . To implement the transition period process special from the algorithm uses , this is the previous in the program coordination direction according to of the moving phase duration new coordination same in the program phase until introduced until from increasing consists of. Usually , in the system this point in advance "known "and his/her before the start of the opposite direction streams intersections through special without losses transfer possible - as a rule , relevant stages designated to time fits . The simplest - evaluation by the coefficient of non-stop transition:

$$\beta = \frac{q - q_0}{q},$$

Here:

q - the intensity of the entire flow in this direction, avt./s;

q_0 - suspended of the stream movement intensity, avt./s .

If $\beta \geq 0.8$, then coordinated regulation is effective that is considered.

Under study on the highway there is coordination quality more detailed assessment to the crossroads at the entrance intensity impulse measurement through can be done . Suspended cars The number is calculated , then non-stop transition coefficient is calculated :

$$K_{\sigma} = 1 - \frac{n_k + n^*}{n} \geq 0,$$

Here: n_k - traffic light prohibitive at the signal arrived transportation tools, car;

n^* - traffic light to the permitting signal arrived, but interrupted by queue transportation tools.

n - to the intersection total number of vehicles arriving number car.

Coordination evaluation , in addition, non-stop movement time of the tape width according to can be done . Width, as a rule , traffic light cycle from the duration at least 0.3 to be necessary. Action speed and speed change time to save and coordinated with this in the direction movement conditions describes. Coordinated and local in regulation this indicators are different , comparing them to the system efficiency to evaluate and coordination different plans options to compare allows . Increased efficiency on the roads non-stop movement with a guarantee evaluation possible. Warranty when you say, if driver previous intersection

green crossed in the signal and designated speed If it meets the requirements, the next traffic light from the object possible to pass without stopping The possibility is understood .

Conclusion and suggestions

Improving the efficiency of the activities of road traffic management bodies - this is in the field of traffic management of activity success or failure determining main complex from the criteria is one .

Traffic management activity of organs efficiency management system own of activity main part , changes in it this of changes model as is considered and efficiency increase their ways determination for is created. This attitude with efficiency achieved of the results to the predicted achievements compatibility to evaluate aimed at measured by methods . To this based on , taken from of the results compatibility assessment designated The goal is to achieve state goals in the field of road traffic. management organs activity efficiency other criteria and indicators on the list main part is considered.

Road safety management bodies in Uzbekistan is of great importance. In this regard, it is advisable to consistently work in the following areas:

First, it is necessary to establish effective, systematic cooperation between the agencies responsible for road safety. Information exchange, clear definition of tasks and responsibilities, and coordination of their activities between the Ministry of Internal Affairs, Transport, Road Management, Security and other relevant structures are among the main requirements in this regard. Also, the broad involvement of the public and non-profit organizations in this process will contribute to making rational decisions.

Secondly, it is necessary to improve the regulatory and legal framework for road safety. For this, it is important to make amendments to existing legislation and international standards, develop new standards and consistently implement them. At the same time, effective protection of citizens' rights in this area requires special attention.

Thirdly, improving road infrastructure and vehicle maintenance is one of the important areas. It allows for the construction of new roads and bridges, improving the quality of existing ones, ensuring their future development, and ensuring road safety through regular monitoring of the technical condition of vehicles.

Improving the efficiency of road traffic management bodies is of great importance for the Republic of Uzbekistan. Bodies operating in this field work to ensure road safety, prevent road accidents, and increase road traffic efficiency through laws and regulations.

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