

Discussion on Strengthening Road Traffic Management by Public Security Organs

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Abstract: Road traffic safety and order management are people's livelihood events and are closely related to the vital interests of everyone. As the main road traffic administrative law enforcement agency, the public security organ is responsible for the maintenance of traffic order. The National Conference on the Innovation of the Comprehensive Management of Public Security and the Symposium of the Directors of the National Public Security Bureau have discussed and studied the road traffic management. This paper studies the ways of strengthening road traffic management in public security organs, aiming at building a good road traffic environment and ensuring people's travel.

1. Introduction

The aim of road traffic safety management is to ensure the traffic safety of every citizen and improve the traffic efficiency. The Measures for the Administration of Road Traffic Safety formulated by the public security organs are binding legal documents for traffic participants, and all vehicle drivers, pedestrians and riders involved in road traffic as well as other units and individuals concerned with road traffic activities shall abide by the Measures for the Administration of Road Traffic Safety. With the continuous development of the economy, road traffic management problems are also highlighted. The increasing number of motor vehicles, the difficulty of parking, the management of pedestrians and non-motor vehicles, and so on, require the public security organs to actively innovate the mode of traffic management, expand social participation, promote the rule of law, deepen the application of science and technology, and create a good road traffic environment for the society.

2. Improve and Improve the Legal System of Road Traffic Management

2.1. Improve Local Road Traffic Regulations

The state has promulgated a series of laws, regulations and provisions guaranteeing road traffic order, such as the Regulations of the People's Republic of China on the Administration of Road Traffic, Measures for the Handling of Road Traffic Accidents, and Provisions on Procedures for Punishing Traffic Violations. However, the local public security organs should, on the basis of the traffic laws and regulations issued by the state, improve the contents of the special regulations on local traffic management in light of the actual conditions of road traffic in the region. Traffic links can be refined in special regulations on road traffic, such as pedestrian, motor vehicle, non-motor vehicle, parking facilities, signal light planning, etc., and all contents related to road traffic safety and order can be scientifically and reasonably planned [1]. Local public security organs should thoroughly study the factors affecting traffic in the region, sum up and sum up the laws of road traffic problems, predict the development trend of road traffic in the future, so as to formulate corresponding road traffic laws and regulations in advance and strengthen the foresight of the traffic legal system.

2.2. Building a Scientific and Standardized Traffic Pattern

It is necessary to make clear the importance of the traffic pattern in the legal system of road traffic management, and carry out special planning measures for road traffic within the framework of the legal system, such as issuing supplementary legal norms such as "Special Planning for Parking Facilities in Central Urban Areas" and "Interim Measures for the Management of Temporary Parking ", so as to ensure the meticulous pattern of road traffic management. The pattern system is mainly to build a static management system, at present, a prominent problem of road traffic is parking difficulties, road traffic layout should pay attention to the new parking facilities, but also on the previous parking on the reconstruction, expansion and so on. Due to the improvement of the economic level, the number of motor vehicles and non-motor vehicles in the city has increased obviously. In the static traffic layout, laws and regulations should be introduced to maintain the parking order, and the illegal occupation of the parking lot or the function of the parking facilities should be strictly prohibited by legal means, etc.[2]. In the static traffic layout, the potential parking resources of the city should be fully excavated, and the utilization ratio of parking facilities should be improved, so that parking management can occasionally be relied on.

3. Comprehensive Implementation of Traffic Management System Planning

3.1. Improving Municipal Support

The solution of road traffic problems depends on the construction of municipal supporting facilities. When public security organs like to strengthen road traffic management, they should carefully analyze the road layout, strengthen the construction of municipal roads, and strictly enforce the separation of pedestrians and motor vehicles, such as setting separation zones on roads to avoid the problem of traffic rush between motor vehicles and pedestrians and motor vehicles. In the face of the surge in motor vehicles, the number of motor vehicles in road traffic can be reduced by leasing instead of buying. Public security organs should also vigorously advocate public travel, by bus, subway and other means of transportation to reduce traffic congestion. In the municipal construction, we should make full use of the three-dimensional traffic layout to alleviate the road traffic contradiction between pedestrians and motor vehicles by erecting pedestrian overpasses. In particular, the establishment of underground car parks, underground pedestrian walkways, special crowd facilities and so on in the surrounding areas of crowded commercial districts to improve the smooth road travel [3]. In intensifying road traffic management, the public security organs should strictly rectify illegal parking, illegal driving and road occupation operations, and carry out regular maintenance and renovation of roads to ensure the development of road traffic functions.

3.2. Optimization of Traffic Structure Design

The design of traffic structure should be optimized in traffic management, and bus stations and temporary stop stations should be set up scientifically and reasonably in order to facilitate traffic travel. As a green way of travel, bus mode can reduce the occupation of road resources. In the road traffic management, we should make a comprehensive study on the layout of bus stations and the frequency of bus departure, add bus stations in the crowded areas, move unreasonable stations, improve the waiting environment of public transport, and attract more people to use public transport travel mode. In optimizing the traffic structure, we should also design multi-level transportation mode, vigorously promote the use of non-motor vehicles, such as bicycles and other green means of transportation, so as to make slow-moving mode become the mainstream of traffic, and cultivate the concept of green travel of traffic participants.



Figure 1 Urban traffic structure plan

4. Strengthen Traffic Safety Law Enforcement, High Pressure, Strict Control, Situation

The public security organs shall cooperate with various departments, such as urban management and housing construction, to improve the level of road traffic supervision through coordinated management. As the leader, the public security organ shall, together with other departments, carry out rectification work and exercise strict control over illegal traffic operations, running red lights and speeding traffic violations. To punish, educate and expose to the public for serious violations of traffic order, to form a high-pressure management situation for road traffic violations, and to warn traffic participants to actively fulfill their traffic obligations. Traffic safety law enforcement should attach importance to publicity and education, public security organs in conjunction with other departments to regularly organize traffic safety theme activities, send safety knowledge into the community, schools, enterprises and institutions, so as to make traffic safety publicity into practice. In the evaluation of social spiritual civilization, we should also take the maintenance of traffic order as the assessment content, encourage more people to realize the traffic responsibility and consciously fulfill the traffic regulations.

5. Construction of Intelligent Traffic Management Information System

5.1. Construction of Intelligent Traffic Management System

In road traffic management, we should give full play to the advantages of information technology and build an intelligent traffic management system with information technology as the medium. The intelligent traffic management system combines induction technology, network technology, big data technology and so on, so that the traffic management system can cover the urban traffic network in an all-round way, make reasonable prediction and planning of road traffic, and use the information technology system to share information data in depth to improve the ability of road traffic control and control. The construction of intelligent traffic management system is a complex project, government departments should coordinate public security organs, construction departments and so on, jointly build intelligent traffic system, from a strategic point of view to develop the various functions of traffic management system. Intelligent traffic management system can achieve the whole area coverage of traffic monitoring devices, and add multi-point video monitoring equipment in traffic accident prone locations [4]. Through the intelligent traffic management system construction, in the road layout network through the electronic police to carry on the vehicle violation capture, the leg violation vehicle carries on the picture record, and sends back to the traffic command center through the network, as the traffic punishment basis.



Figure 2 Intelligent transport management system chart

5.2. Driving Traffic Management Command and Dispatch

Traffic command and dispatch management is the hub to solve traffic problems, and public security organs should use intelligent traffic management system to improve the efficiency of daily road management. The intelligent system can automatically adjust the traffic signal light according to the road traffic situation, and effectively manage the road traffic. The intelligent system collects the accurate traffic flow data through the induction function of the monitoring equipment, analyzes the data in the intelligent system and forms the best signal light scheme, and has the intelligent traffic management system to issue the signal adjustment instruction to ensure the scientific and reasonable signal. The effective signal allocation scheme can ensure the improvement of road efficiency and reduce traffic congestion and accidents. Such as the city rush hour appears regular traffic direction, under the intelligent system deployment scheme, the signal light will follow the traffic flow early peak and late peak to design the signal light time. When the emergency rescue vehicle passes through the road, the intelligent system can form the clearance state of the intersection, ensure the smooth passage of the rescue vehicle, and ensure the safety of life and property to the greatest extent. The intelligent traffic management system can also monitor the exhaust emissions of motor vehicles, reduce the cost of environmental management and achieve the goal of sustainable development through scientific and reasonable road management.



Figure 3 Intelligent traffic command system chart

6. Conclusion

With the rapid development of economy, road traffic problems are becoming more and more prominent. Public security organs should step up road traffic control, thoroughly study the current road traffic concentration issues, improve the road traffic management level by improving and improving the legal system of road traffic management, comprehensively carrying out the planning and construction of traffic management system, strengthening the high-pressure and strict control situation of traffic safety law enforcement and building intelligent traffic management information system. Under the guidance of the principles and policies of building a harmonious society, the

public security organs should unite the relevant departments to carry out comprehensive supervision of road traffic, realize the goal of coordinated development of road traffic management, and better play the role of road traffic management in promoting social development.

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