

Comparative Study on Traffic Safety Management Measures

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Abstract: According to the actual situation in China in recent five years of traffic safety, the road traffic law, the education of road traffic safety, traffic law enforcement and road accident emergency rescue measures and other related content with Japan, the United States, Europe traffic developed countries through comparative analysis, trying to find out the weak links in traffic safety management our current path and the ways to improve.

Keywords: China; Road traffic; Safety management

1. Introduction

With the rapid growth of the number of motor vehicles in our country, the number of deaths is high, and the number of years is the first in the world. 1998 the number of road traffic accidents, deaths and injuries in China in 2003 are shown in Table 1.

Table 1. 1998~2003 The Number of Road Traffic Accidents and Deaths

Year	Total traffic accidents / year	Annual death toll / million	Number of injured persons/ year
1998	34.6	7.8	22.3
1999	41.2	8.3	28.6
2000	61.7	9.4	41.9
2001	75.5	10.6	54.6
2002	77.3	10.9	56.2
2003	66.7	10.4	49.4

By the end of 2003, China's car ownership reached 24 million 210 thousand, while the average number of cars per hundred cars less than 2. Compared with the developed countries such as Japan, the United States, Europe and other developed countries, the number of cars in our country is still low. Traffic in Japan and the US and Europe in the vehicle condition of high density and high amount of road vehicles, they continued to maintain in the car for many years to the mortality level of about 1-2. And China's traffic accident car mortality is as high as 10 people, which is nearly 10 times higher. 1998 the world's major countries in the world of motor vehicle mortality and China's motor vehicle mortality rate in Table 2 in 2002.

According to table 2, the mortality rate of traffic accidents in China in 2002 is about 12.8 times that of Japan, which is about 9.5 times that of the United

Kingdom, and that of the United States is about 7 times that of the United states. It is understood that one of the important reasons for the high number of road traffic accidents in our country is that the current road traffic safety management system in our country is poor. Compared with the developed countries such as Japan, the United States, Europe and other developed countries, there is a clear gap between the implementation of traffic safety management measures. Therefore, in order to fundamentally improve the road traffic safety, and improve the level of road traffic management in China, we must improve the existing road traffic safety management measures.

Table 2. Road Traffic Fatalities in some major Countries

Country Name	China	USA	Japan	Britain
Mortality / person	13.7	2	1.1	1
Country Name	Germany	France	Italy	
Mortality / person	2	2	2	

2. Main Problems of Current University Financial Reimbursement in Front

2.1. The gap between the perfection of road traffic laws and regulations

Traffic in Japan and the US and Europe attach great importance to the construction of road traffic regulations, and the development of the road transportation timely supplement and revision with these countries, has formed a relatively complete system of laws and regulations on road traffic. It is characterized by not only complete regulations, but also severe penalties for offenders.

Japan is one of the most complete laws and regulations of road traffic. Japan road traffic regulations closely following the development of the auto industry, the first on 1951 promulgated the "law" of road transport vehicles, and were on the road traffic, road construction, road maintenance, parking lot construction, highway construction, highway, road investment sources, road pricing, road transport, road facilities, road transport vehicles, car damage compensation, traffic safety, road traffic accident emergency rescue, bicycle lane construction, automotive and other transportation tools such as the relationship between the special and formulated a series of road transportation safety and relevant special laws and regulations, all of which includes road transportation and safety, which provides adequate legal protection standardized management is to implement the scientific and road traffic.

2.2. Road traffic safety education gap

Japan, the United States, Europe and developed countries in the transport sector attaches great importance to the implementation of traffic safety education in the whole people. They all put the traffic safety propaganda and education as a fundamental measure to improve the quality of national traffic safety and improve traffic safety.

The United States is the first country in the world to start traffic safety education. For all kinds of students' traffic safety publicity and education, especially in the primary and secondary schools in 1920 to carry out the pilot work of traffic safety education. The United States began to set up a traffic safety education curriculum in primary and secondary schools from 1928 onwards, and carry out the work of traffic safety education daily, in 1930 set up a traffic safety leadership to improve road traffic conditions on the theme of "the United States Institute of transportation engineers and nationwide. At the same time, from infancy until high school for more than and 10 years, the United States according to the physical and knowledge of preschool, primary school, middle school students' ability to accept the characteristics of different periods are respectively provided with a variety of different forms of traffic safety education in the nursery, kindergarten, primary school, middle school. The implementation of this measure has played a positive role in improving the awareness of the national traffic safety and the popularization of the national traffic safety knowledge.

3. Gap and Reason

3.1. The gap in the construction of China's road traffic laws and regulations

Compared with the developed countries, the gap in the construction of road traffic laws and regulations in our country is mainly as follows: the completeness of the

regulation system is poor. The coverage of the existing road traffic regulations is limited to a small area which is directly related to the road traffic safety, and many of the contents related to road traffic safety are not involved. The current road traffic laws and regulations promulgated by the national law less. Some of the existing road traffic laws and regulations are too simple, and lead to excessive discretion of law enforcement.

3.2. The lack of publicity and education of road traffic safety

China in the publicity and education of road traffic safety and the depth of foreign traffic compared to the developed countries the gap between the obvious, its main performance is: has not yet formed a national popular open social traffic safety education system. The scope of the current education object is narrow, and mainly concentrated in the motor vehicle drivers and road traffic related to the responsible personnel and some large and medium cities in primary and secondary school students. A single form of propaganda and education. The main methods of publicity for the driver class, traffic police to the school lectures and rely on vehicle management unit held a number of regular meetings. Limited effectiveness of publicity and education. This is mainly due to the shortage of safety education funds, and the lack of systematic and interesting safety education, coupled with the monotony of propaganda and education methods.

3.3. China's traffic violations lighter punishment

Compared with the developed countries in foreign countries, the gap between China and other countries in the field of traffic violation punishment is mainly manifested in the following aspects: the punishment is lighter. In particular, the major traffic violations of recidivism punishment is insufficient, which led to the lack of appropriate deterrent effect in some cases. Some provisions of the existing provisions are too principle, which leads to the arbitrariness of law enforcement in the actual law enforcement process. And some places to punish escrow phenomenon is more serious.

3.4. The gap of emergency rescue of road traffic accidents

Due to China's road traffic accident emergency rescue work has just started, so there is a road traffic accident emergency rescue system construction, or road traffic accident emergency rescue teams and emergency rescue equipment and financial security, and the developed countries are compared with foreign traffic there is a huge gap.

From the previous discussion is not difficult to see, in our country, the construction of road traffic regulations education of road traffic safety, traffic law enforcement

and road accident emergency rescue measures such as the gap with foreign countries is the objective existence of the traffic. In this regard, first of all, we should take a positive attitude to face it. On the basis of making clear the underlying causes of these gaps, a more proactive approach. Only in this way, China's road traffic accident prevention measures will be more scientific, more comprehensive, more effective, more important is the road traffic accident will really come down.

References

- [1] Xu Hongguo. Analysis and treatment of traffic accidents [M]. Beijing: China Communications Press, 2003.
- [2] Zhao Entang. Road traffic safety [M]. Beijing: China Communications Press, 1998.
- [3] Xu Hongguo. Analysis and treatment of traffic accidents [M]. Beijing: China Communications Press, 2003.
- [4] Zhao Entang. Road traffic safety [M]. Beijing: China Communications Press, 1998.
- [5] Liu Peng. Cloud computing (Second Edition) [M]. Beijing: Publishing House of electronics industry, 2012.
- [6] Li Guojie. The scientific value of large data research [J]. Chinese society of computer communication, 2012 (9): 8-15.