

# Analysis on the Current Situation and Countermeasures of Traffic Safety in Contemporary University Campus

## -- A Case Study of Sichuan University of Arts and Sciences

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### Abstract

In recent years, with the development of the society, the progress of human, cars have become the main means of transportation, but with the increase of vehicles, traffic accidents also gradually increase, the campus traffic safety is facing the severe test, in order to reduce, reduce the happening of the accident rate in the university campus, must be managed through scientific means and reasonable layout. This paper analyzes the current situation of campus traffic safety under the current situation, through scientific and reasonable control, the improvement of the countermeasures, in order to effectively solve the university campus traffic management problems in the new era.

### Keywords

The campus; Traffic safety; Layout; management.

## 1. INTRODUCTION

With the improvement of my country's economic level, as of the end of March this year, the number of motor vehicles nationwide reached 283 million, including 179 million cars; motor vehicle drivers reached 335 million people, including 289 million car drivers. In the first quarter, newly registered cars reached 7.06 million, an increase of 690,000 from the same period last year, an increase of 10.87%; the average monthly number of newly registered cars increased by 370,000 from last year, of which more than 3 million were newly registered in January. As of the end of March this year, the number of small passenger cars reached 142 million, and the total number of private cars exceeded 130 million. In the first quarter, the number of newly registered small passenger cars reached 6.34 million, an increase of 550,000 over the same period last year, an increase of 9.58%. The above data shows the seriousness of the traffic problem in the current situation. As a part of building a society, university campuses are increasing year by year with the increase in campus area and the degree of openness, and the number of campus traffic is increasing rapidly. Campus traffic safety is an important part of ensuring the safety of teachers and students' property and life. How to build a safe, harmonious and safe campus, and to strengthen the management of vehicles on campus are no longer urgent.

## 2. CURRENT STATUS OF CAMPUS TRAFFIC SAFETY

### 2.1. Increased Vehicles and Increased Traffic Load

With the increase of economic income, private cars have become the main means of travel for faculty and staff. Some faculty and staff even have second or third cars. At present, our school has more than 400 private cars for faculty and staff. Secondly, with the development and construction of the new district and the enlargement of campus area, new and old school districts are shuttling back and forth. Some students choose to buy bicycles, batteries and

motorcycles as transportation tools. As an Open University, our school has a large number of social vehicles (express vehicles, delivery vehicles for gymnasium construction, delivery vehicles for supermarket canteen operation, take-away vehicles), and some operating vehicles arrive at the school to collect customers. The surrounding villagers drive in and out of the school to save the journey. Numerous social vehicles in and out, not only occupy the campus teachers and students public resources, but also increase the campus traffic burden[1-2].

## **2.2. Focus on Time, Mix People and Cars**

Due to the relatively concentrated places to eat on campus, and the time for class, work, and meal is almost the same, resulting in the periodic flow of people and vehicles from the teaching building to the cafeteria at 12 noon and 5:30 in the afternoon, people and vehicles mixed This has greatly increased the traffic load on campus roads, causing pedestrians and vehicles to interfere with each other, making traffic slow, and greatly increasing hidden safety hazards.

## **2.3. Imperfect Road Facilities and Weak Driver Awareness**

Since the new campus did not take into account the overall campus traffic needs at the initial stage of construction, some roads were narrow, and there were no reserved parking lots, no speed-measuring equipment, and some teachers and students had a poor sense of traffic safety. There was a great misunderstanding of the campus traffic problems. It is believed that the school can ignore the "Traffic Safety Law of the People's Republic of China" and ignore the traffic signs and ground markings placed on the school. Do not stop on the traffic markings in the school, and block the fire passage at will.

## **2.4. The School's Road Rules Cannot Be Followed by Traffic**

The school's traffic order and safety management are generally the responsibility of the school's armed security department. The local traffic control department will not go deep into the campus to enforce the law, but the armed security department is not the law enforcement department. For the illegal vehicles in the school, the main purpose is to lock the car and persuade it. The general patrols are for defense. There are some teachers and students on the campus, and there is no one in the eyes. They do not respect the profession of security, which is pale and weak for the control of traffic violations in the school[3-4].

# **3. IMPROVE CAMPUS TRAFFIC SAFETY MANAGEMENT**

## **3.1. Strengthen Publicity in Schools and Train Teachers and Students on Traffic Safety Awareness**

In the current society, many "road killers" who have just obtained their driver's licenses ignore technical training and fail to comply with traffic signs, and are prone to traffic accidents. In the school, teachers and students can be encouraged to travel with low carbon, which not only reduces the traffic load on the school, but also reduces hidden safety hazards. It is possible to adopt the methods of safety promotion month and management experience to subtly integrate traffic safety knowledge into the daily central area. It is necessary to carry out long-term and various ways to carry out safety education and training for teachers and students, and study road traffic laws. Incorporate traffic safety education into safety education and training, and learn a large number of traffic cases through the Internet, so that school teachers and students can truly pay attention to traffic safety and consciously abide by traffic laws and campus management regulations[5].

## **3.2. Perfect Campus Transportation Facilities**

The construction of campus traffic safety foundation should be improved, and the existing traffic facilities should be renovated according to the actual needs of the school. For example, in

order to reduce the operating load of campus traffic, our school builds an intelligent access control charging system for the two gates, and the vehicles entering and exiting the school are license plate recognition and Bluetooth card recognition. Through a month of operation found that, through the emergence of the toll system, the number of vehicles often parked in the campus to attract passengers dropped sharply, greatly reducing the campus traffic load.

For example, in order to reduce the surge of pedestrians and vehicles in the peak period, our school implemented one-way traffic between the teaching building and the canteen, which greatly reduced the occurrence of traffic accidents.

### **3.3. Set Traffic Signs and Markings Reasonably**

To allow traffic on campus to reach no blind spots, according to the existing conditions of the school, a reasonable layout should be added, and traffic signs and speed bumps on campus should be added. Taking our school as an example, through on-site viewing and layout, set up speed bumps on roads prone to traffic accidents (such as long downhill slopes, sharp bends, and crowded places). After a period of observation, it was found that there are speed bumps when vehicles pass by The speed can be reduced to 15KM/hour, which greatly reduces the occurrence of traffic accidents.

### **3.4. Strengthen the Training of Management Personnel**

To do a good job in campus traffic safety management, it is inseparable from the daily security patrols on campus. It is necessary to improve the quality and capabilities of campus security, increase the number of security, increase the intensity of inspections, and regularly carry out traffic safety knowledge business training for security, so that security can do With thought in place, business in place, and service in place, we will contribute to the development of campus traffic safety.

## **4. CONCLUSION**

The traffic safety of colleges and universities is an important part of the safety of college campuses. In response to the new situation, new features, and new situations, university administrators should strengthen their management level, and should thoroughly investigate in accordance with the actual situation of the school, eliminate hidden dangers through scientific planning and reasonable layout, and create a good university environment.

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