# Road Landscape Integrate into the Regional Culture

Youwei FU

School of Civil Engineering & Architecture, Chongqing Jiaotong University, Chongqing, 400074, CHINA

**Abstract:** Referred to as China's economic level of State investment in infrastructure is also growing, particularly highway systems has been developing fast, the total mileage of highways in growing, road grading and meticulous, the layout of the road network have become more reasonable, for a powerful hardware basis for the economic development in China. In the road at the same time, our country road landscape design in level and awareness is improving, sustainable development and development idea of ecological civilization construction of road landscape design attention, adjunct of the landscape is no longer just a way to promote and develop the local culture and should be taken seriously, by landscape into the local culture and development of local culture and tourism industry.

### Keywords: Road Landscape; Regional Culture; Highways

#### 1. Introduction

Road is the inevitable product of human life, the road appears to shorten the distance between man and man, as a place of human life must, not only is the traffic channel, the road is also responsible for many social functions. People's awareness of landscape with the improvement of road design and attention. In recent years, the traditional road traffic planning and construction in order to simply the pursuit of road traffic causing road landscape and across the region in the area of nature and culture very coordinated contradictions are common. As people's awareness of environmental protection and the protection of regional culture increased, many designers attached great importance to road landscape and geographical and cultural integration, reversing and regional culture in landscape design is seriously out of bad situations. Highway landscape construction, reflect regional cultures, for the construction of local cultural services. Road landscapes and local cultures of the local civilization is the inheritance, protection and development. The road landscape and culture integration on the development of rural tourism and other aspects of folk culture are significant.

# 2. The Characteristics of Road Landscape Cultural

Road landscape design evaluation is based on human physiology, psychology, aesthetics, traffic engineering, vehicle kinematics, sociology and other related disciplines, the more important of which is the human dynamic vision, vision, physical, and psychological feelings aesthetic requirements. Since most of those who use the roads in motion at different speeds, so, the most impor-

tant feature of the road landscape is "dynamic", are based on dynamic conditions of visual beauty as a precondition. In addition, the road is also different from the urban landscape, rural landscape, but also from the natural landscape, scenic. It also has its own characteristics and nature, summed up in the following aspects:

(1) the diversity of the constituent elements

Road landscape composed of natural and artificial, tangible and intangible various elements. In many elements, shaped route and road structures play a decisive role, they can strengthen or weaken the environment and landscape of taste, quality sound environmental landscape.

(2) the existence of multidimensional space-time

View from the road space, is connected to the blue sky, even under the surface, undulating coherence bandshaped space. In terms of timing, spatial sequence changes in the way both before and after the landscape go hand in hand, there are seasonal (all year round), phase (day early, middle and late), phase (relative displacement of people and the King) and psychological temporal movement formed timeline.

(3) Multi Subject road landscape evaluation

Any landscape environment, can not be achieved in unison appraise, especially road landscape. Evaluation of different subject, price subject location, different activities, there must be significant differences between the principles and the starting point for price. As viewers, more travelers personal experiences and feelings of departure, operators, investors mostly maintenance management, economic and other screening,, occupants to travel if more convenient living environment is subject to terms of impact and other considerations, roads designers, builders are considered more feasible with the technical requirements and construction.

(4) Multiple road landscape environment

Unlike road landscape pure plastic arts, ornamental landscape, to meet the transport passage function, it has its own body performance, organizational structure, at the same time, it also contains a certain social, cultural, regional, folk and other implications. It can be said to have a natural attributes but also has social attributes, both functional, practical and ornamental, artistic.

### 3. Road Landscape and Culture Development

### 3.1. Development status of international road landscape

Study abroad started early, prior to this, some scholars in some developed countries pay attention to road landscape and environmental and cultural integration and coordination, and the introduction of appropriate legal and normative.1965 United States road beautification Ordinance was enacted, the regulations proposed on Highway aesthetics and landscape had a full understanding of everyone on the road. Meanwhile, spent a year building roads along the landscape so that the roads on both sides of pleasant scenery, promotes the artistic manifestation of road landscape design.

Japan, in 1976 established the technical standards of Highway greening, drawing on a country road landscape design ideas such as Europe, the United States proposed highway network built in harmony with nature, provide better service, people are no longer satisfied with location transfer State of mind. Integration into the landscape in highway construction, the driver and passengers feel the effect of beauty. Japan Society of civil engineering in the road landscape design creates distinctive landscape design concept was put forward, regional culture, regional culture is interpreted in the landscape.

#### 3.2. Development of landscape culture in China

China started late in terms of road landscape design, landscape design has not attracted enough attention to road landscape design work starts late, regardless of the contents or design at a relatively low level. With the improvement of our economic and environmental awareness, expanding the scale of investment in road construction, have higher requirements for construction of road landscape and understanding. Landscape design is to make natural landscapes and artificial landscape in road engineering structures to achieve unity in perfect harmony, the establishment of a new and complete system of road landscape.

With the rapid development of highway construction, road landscape design has aroused people's attention, in the highway code for environmental protection design of Highway alignment and coordination of environment and we have made a number of specific provisions and re-

quirements, not only in the highway design alone to meet their traffic function, must also consider the importance of road landscape, provide better driving comfort for the driver.

### 3.3. Development of landscape culture in China

In landscape design in China, landscape was just the latest road appendage, in a marginal position in the design. Then, with the introduction of foreign advanced landscape design ideas, we began to imitate foreign experience, there have been many landscape for landscape design, produce many unique and homogeneous landscape. In recent years, with the emphasis on ecological and cultural tourism, the road landscape design presents in the premise of meeting the environmental and ecological protection, effectively the regional cultural penetration, combines the local culture and landscape. Regional culture and modern landscape design which combined to play Highway landscape environmental and ecological preservation and dissemination of the dual role of the regional culture.

# **4. Problems of Road Landscape and Local Cultures in China and the Reasons**

Other design classes, due to road construction region, road construction should also be the regional landscape. In plain, flat, giving a vast feeling; Foothills high fluctuation and changeable. Therefore, different geographical landscape created a different landscape, value of the road not only meet the basic needs of pedestrians, roads also need to reflect the geographical and cultural characteristics, and geographical character image, as well as local residents of aesthetic taste, and so on. Is but unfortunately, the current domestic landscape and regional culture of integration and reflected there is much to be desired. Road landscape construction in China is still at the early stages, for a specific study on the regional culture of landscape elements and less, which is the current construction of landscape culture in China simply one key reason, these limitations for the dissemination of regional culture of road landscape is extremely negative.

### 4.1. Lack of geographical knowledge of landscape culture in China

A late start because our modern landscape design, road planning and construction from the project, economic and safety aspects into account. Road landscape of regional culture reflected still in a secondary position, even taking into account the road landscape construction, limited to protection of the natural environment, the lack of roads and the design of geographical and cultural fusion. Design of road focused on technical level, simply the pursuit of road features, pay attention to the specifications of the highway itself. Road landscape design and single meet the psychological needs of drivers and pas-

sengers on landscape, serious neglect of regional culture, leading to road landscape and across the region did not coordinate the regional culture. Landscape design, a large number of research centres on the design of Highway greening, landscape and local road-area cultural awareness of the lack of system integration.

### 4.2. Imitation of foreign design, lack of innovation and neglect of regional culture

Since reform and opening up, our design and development by leaps and bounds, but this growth is growth in the total road mileage, road landscape design on the core idea of relying too much on foreign imagination is still serious. At present, when we learn the ways of the road landscape design, slavish imitation and plagiarism, lack of independent Chong Hing, the convergence of a lot of landscape design and the abrupt landscape and regional culture. This cultural landscape of roads, and severely restricted the development of cultures all over. This phenomenon is mainly due to our landscape designers lack on the highway area of historical and cultural traditions, customs and so on research and, secondly, in landscape and regional culture and heritage do not attach the lead to form a unique landscape of regional roads.

### **4.3.** Lack of scientific road landscape system evaluation system

With the concept of sustainable development to take root, people have realized the only way to have a transport function, it should be from many angles landscape, and the environment to consider the aesthetic function of the road. Establish a perfect road landscape design and evaluation system has important theoretical and practical significance. Since the road landscape artistry also formed the evaluation system of different styles and different methods, different evaluation system, the lack of systematic contacts, the system does not provide guidance for the road landscape design. We have to establish a link with the guidance of scientific evaluation system, not only to be able to accurately and objectively reflect the actual situation of the road landscape, landscape and reflect weak items have been completed and road improvement measures not construction of roads to provide basis for decision making.

## 5. Road Landscape and the Meaning of Cultural Fusion

Our country is vast, many nationalities, different natural, economic and technical basis, formed a different regional cultures. Traditional culture of road landscape often ignores the regional environment, and without full respect for the historical context along with local cultural characteristics, neglecting the characteristics of regional culture in landscape architecture, resulting in drab landscape features along the roads. With the importance of road

landscape design has become increasingly prominent, in the design of road landscape in addition to road landscape effects on traffic and on the problems of ecoenvironmental protection, must also take account of landscape culture in the area of interpretation and expression. On the premise of respect for culture and history, tap the route line on the region's history and culture, landscape construction, reflect the regional culture of landscape, creating strong visual impact and appeal of the culture, improve the overall quality of highway.

Road construction of cultural landscape is an important means of cultural heritage, local culture is an important content of the construction. Smart because of the different cultures with different geographical characteristics, geographical image of culture promotion, regional spirit and cultural shows, through the regional landscape study, reversing the road landscape and regional culture is seriously out of bad situations, for the construction of local geographical and cultural services.

#### 6. Conclusion

As China's overall national strength, continued stable economic base, superstructure of culture more concern for people, combined with the government in recent years the importance of culture for the protection of cultural patterns provide a good political environment and economic security. Constantly enrich people's material and spiritual needs of diversity, ecological and cultural tourism sought after by people. Road as a link connection, a key role, so the route selection and landscape construction, first of all, along the line of climate, land use, economic development research, but also on regional culture, history, folklore and other information to carry out full and detailed census, the integration of regional culture to road planning and design in the past. Secondly, the advancement of road landscape in road construction, and not as an appendage of the road landscape road construction, road making it better for the driver and local cultural services. Establish a sound road landscape and regional culture evaluation system, perfect combination of rational and scientific way landscape and local culture.

#### References

- Yao Ailing, Zhang Xi-ling, Wang Xuancang. Test method of asphalt mixed material compressive resilient modulus. Journal of Chang'an University: Natural Science Edition, 2005, 25(6): 21-24.
- [2] Shuzhi N, Yanhua Z. Application of BP Neural Network Model Based on Improved DNA Genetic Algorithm to Tool Wear Monitoring[J]. Journal of Computational & Theoretical Nanoscience, 2012, 6(1):756-759.
- [3] Feng Y, Xu X. A short-term load forecasting model of natural gas based on optimized genetic algorithm and improved BP neural network[J]. Applied Energy, 2014, 134(134):102-113.



- [4] Schmid W A.The emerging role of visual resource assessment and visualization in landscape planning in Switzerland[J]. Landscape and Urban Planning,2001, (6):213-221.
- [5] Brush R, Henoweth R C, Barman T. G roup difference in the enjoyability of driving through rural landscapes[J]. Landscape and Urban Planning, 2000, (8): 39-45.