

Introduction to the Tourist Road Landscape Design

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Abstract: Tourism highway construction on the regional economic development plays a huge role, The landscape planning and design for improving the quality of the tourist road had a huge impact. From the study of the nature of the tourism highway and landscape features, Systematically discusses the tourism highway landscape planning and design principles, content and method, Put forward the new idea of the tourist road landscape planning and design, Pointed out the direction for the tourist road landscape construction.

Keywords: The tourist road; Landscape; Planning and design

1. Introduction

1.1. Tourism highway overall characteristics

The main service object of tourist road are tourists and tourism vehicles. Before visitors enter the tourist area, first of all, from the way to get information, learn about the region's style, give a person the first impression is the road and the scenery along the way, This will affect the arrangement of the tourists travel plans next, and the general highway main service object is guest, goods vehicles and drivers, for these use way, business is the main, play to watch the second. In addition, mostly built in the scenic tourist road, cultural relics reserves, those are national legal object of environmental protection. So. Roads, must strictly implement the relevant provisions of the environmental protection department and the highway and the environmental protection facilities "2" at the same time the principle of tourist highway is the vast majority of high grade highway. To the tourist area of trunk roads in the engineering design and general highway are also some differences, For example, the design speed, the route, along the road structure model and various kinds of service facilities, traffic signs to obey all visitors travel purpose and psychological and physiological requirements. Requires four seasons tourist road open to traffic, it is necessary to strengthen the daily maintenance and repair, highway management, guarantee the road traffic environment clean, neat, beautiful green, reticulate, logo is complete. Road pipe guarantee over 95%, so, to ensure tourist safety, such as the tourist traffic accident on the way, this will greatly affect the economic benefits of tourism. Also damage the reputation of countries and regions.

Due to the tourist highway is the main service object visitors, including quite a number of visitors is inbound tourism guests, they for the locals radix rehmanniae, tourist highway must to, for they led the dow avoid walking to

success. Tourism highway roadside traffic signs should be marked clearly, therefore, is complete, the transportation service facilities (car parks, gas stations, QiXiu Dian, emergency telephone) and life service buildings to be beautiful and perfect, and convenient for visitors to rest, shopping, food and accommodation. In addition, the tourist highway and city roads and suburban highway both characteristics, therefore, of the tourism highway traffic characteristics and engineering construction technical features compared with general road still have certain difference.

1) *Enormous potential value*

Tourism highway construction not only realized the scenic spot open, and pull function to the development of tourism resources. Linear, borderline of tourist road, high availability, provide people with leisure, entertainment, holiday, good place to go sightseeing, tourism highway of people, logistics and information and promote the development of the economic area along the road.

2) *Flexible technology standards*

Different from general road, the main tourist road traffic function is given priority to with passenger transport, the speed is no longer the primary technical indicators, so can be more flexible in terms of engineering technology. The indicators proposed mainly road tourism function, does not require fully comply with higher engineering technical indicators, and should comply with the terrain, the maximum meet route to protect the natural environment conditions, consider tourists driving comfort requirements.

Tourist road technology standard drafting, besides considering factors of tourist area, landscape area must also be considered in the natural environment, correctly handle the relationship between technical standards and the natural environment, in the region of the maximum protection under the premise of the natural environment, and formulate technical standards.

3) Landscape type complex

Scenic area, tourist highway crossing or connect the nature along the most complex landform type, combined with the road intersection more, rich in landscape design elements as well as additional difficulties for highway design and construction.

4) Landscape request is higher

Tourism highway as an important gateway to the scenic area, is the window of the tourists understand the scenic area, to a large extent affects the overall impression of tourist visitors. Therefore tourism highway has high natural and human landscape. Tourists as the main body, the appreciation of the tourist road landscape of highway landscape had a higher visual quality requirements, so the pursuit of landscape features and cultural differences is an important concept of tourism highway design.

1.2. Tourism highway traffic characteristics

Tourism highway traffic structure is relatively simple, mostly light cars and passenger car, bus or part of a bicycle and manpower. And tourism highway traffic flow and traffic flow in the ingredients also has considerable difference, in a word, give priority to with sightseeing bus. In addition, highway traffic volume and flow to the uneven, brigade fight season large flow, while off-season flow small; The traffic imbalance between the two scenic spots, flow is not fixed, it is difficult to predict. In view of the characteristics of those attractions more intense or in terrain complex mountainous region of the heart, in order to improve the traffic capacity and reduce construction difficulties, road design into a single Samuel, or one-way loop is advisable. In this way, not only can achieve the biggest save, and is good for sightseeing and deploy a variety of facilities, for tourists or builders and even the society as a whole can benefit.

1.3. Tourism highway engineering characteristics

Tourism scenic spot of the characteristics of highway and highway and city road, as a result, this kind of road technology standard, should be reference to design of highway and urban road design standards and specifications. General tourist area between the trunk road technology standard is higher, the scenic road technical standards depending on the traffic composition and traffic volume, but can not be lower than the level IV, ShenShan District few roads can be lower than the level IV. Design speed, according to the visitors' drive way faster, slower tour "of the psychological demand, therefore, highway design speed in specification limit, the highway in the lower limit of design specifications. But, overall, the technical standard of tourist road in the same traffic conditions is higher than ordinary highway. Tourist road is located in the scenic area, where the objects are tourism resources, protecting environment is important.

Therefore, make full use of the old roadbed, widening roadbed, cutoff, increasing the number of signs and fence project, don't let shooting new line, be sure to protect cultural relics. Many tour scenic spot is located in the quiet countryside mountains, the terrain is complex, sparsely populated, natural disasters, natural environment remains intact appearance. At the same time, some historical relics, scenic spots and historical sites, religious base is under state protection of scenery and historical and biology. Road clearly in these areas is difficult, especially all kinds of natural disasters prevention roads development often become the obstacle of tourism, it has become one of the biggest engineering characteristics of this kind of highway construction, the research need to be taken seriously, in order to perfect solution.

1.4. The aesthetics characteristic of tourist highway

Tourism highway because of its special function, should be provided by the people is not only the transportation is convenient and safe to enjoy, shall also have the visual pleasure and aesthetic satisfaction. A given landscape and the careful design of tourist highway should maintain alignment beautiful smooth and can be integrated into the surrounding environment, safety, comfort, convenience and beautiful sex at an organic whole with its "personality", driving to the travelers enjoy the beauty of the physiological and psychological double experience; Instead, a heavy structure, design rough highway project, not only cause a lot of problems of highway itself function, and it will reduce the interest of highway landscape environment, impact area of the beautiful natural environment. Many western countries to build "tourist line" and "scenic byway", make full use of the natural characteristic of the expressway significantly, in which people walk can fully appreciate the unique scenery, with its unique appeal show high aesthetic quality.

The basic function of tourist highway is offers safe, rapid, comfortable operation of services, and fluent, a optimal linear, good vision induction, greening plant science, Both the need of highway traffic function itself, and the main content of the tourism highway aesthetics. Tourism highway aesthetics in modern traffic conditions, according to the visual characteristics of pedestrians, from the dynamic point of view to study the continuity of linear, can be unexpected, the line of sight induction and landscape richness and routes and environmental cooperation, etc., The tourist highway is a kind of service facilities and a work of art, provide convenience for tourists travel service and rich experience of the spiritual life. Tourism highway landscape design, not only for highway coordinated with surrounding environment, but also to create along the scenery of culture value, showing the characteristics of The Times and the style of the society, to the driver and tourists psychological and visual comfort. Beautiful appearance is also a safety factor, and make the

visitors to rest. Those who are not nice scenery along the road, such as deserted houses, scouring the borrow pit, cars abandoned field and billboards, not too close to the road, If from far beyond 400 m, in harmony with the landscape together, will become the early social sites, instead is picturesque. Therefore, the essence of the landscape design is to improve the highway of the aesthetic value and cultural value, namely considering road economy at the same time, also consider comfort, safety and the ecological balance, create a beautiful road traffic environment.

2. The Tourist Road Landscape Planning and Design Principles

According to the nature and characteristics of tourist road and landscape construction requirements, combining with the experience at home and abroad a number of tourist highway landscape design analysis, the author thinks that the tourist road landscape planning and design should follow the following four principles.

2.1. Coordination principle, ecological protection, environment

Most of tourism highway in the east of the ecological environment protection areas, fragile habitat, once destroyed, it is difficult to restore. Therefore, tourist highway construction should be the ecological environmental protection concept throughout the whole process of design, construction, correctly handle the relationship between highway construction and ecological protection, make the highway and the integration of environment, road landscape in harmony with the natural landscape. Human beings from the nature of the conqueror into the friends of nature, to reduce the damage to natural disturbance to a minimum, this is the discard of the human understanding of the nature of the original, is that people know the return on a higher starting point.

2.2. The people-oriented, the principle of tolerance design

To show respect for people and protect, tourist highway construction should be fully considered driving behaviors and visual features, on the premise of guarantee the driving safety, as far as possible meet the demands of tourists sightseeing to admire the view. When necessary, can take highway design flexibility, flexible use of highway engineering technical standards and design specifications) will be the focus of the highway and landscape design in the "car" for this, steering based on "people", to deal with the relationship of the good people, vehicles, road and environment, not one-sided pursuit of speed and efficiency. In addition, the tourism highway should be pay more attention to the road on both sides of the safety of structures and landscape design, tolerance of driving environment for vehicles and visitors and humanized service,

embody the "people-oriented, tolerance design" construction development idea.

2.3. Highlights culture, conveys emotion principle

Tourist road to the scenic spot of zonal spatial corridors, often through the folk culture of different areas, along the way as a place for passing the spirit of culture, communication emotion. Design should absorb and draw lessons from excellent culture and heritage highway area, Make full use of the characteristics and difference of regional culture, to create the connotation is rich, the personality is bright, rich rich local culture, the road landscape, forming the harmonious unification of landscape and culture, And through regional history and culture and the folk style of the landscape, for visitors to build reading culture, information and communication platform of emotion, Enhancement of regional cultural identity, add the road space more interesting, readable, and artistic quality, further stimulate interest visit along the way.

2.4. The four principles of brand building, function expansion

Tourism highway along the abundant natural resources, with the further development of tourism development and the good conditions. Especially after the completion of tourism highway, to come to sightseeing and carefree vacation will significantly increase the number of body, will strongly promote the rapid development of regional economy. As a result, the tourist road landscape planning and design should fully consider the expanded function of branding and future needs, for road along the tourism development, the social and economic development to lay the good foundation conditions.

3. Tourist Road Landscape Planning and Design Methods

3.1 Design method of "shape" and "potential"

Road landscape from the perspective of a large spatial scale is a kind of linear space with nodes, is generally used in the design of highway landscape planning method to study the theory of "situation" highway landscape planning and design, The tourist road landscape should also follow the basic methods of planning and design. Linear landscape viewer more under a state of high speed and in the condition of the landscape the understanding of the subject of landscape object can only be whole and the outline, Therefore linear landscape design should strive to accomplish highway line, such as slope, a vehicle, in continuous, smooth, natural and good visual effect, landscape elements compatible, harmonious with the environment. The dot the landscape along the impressed travelers should outline clear, eye-catching, height, color coordination, the style is unified.

Highway landscape, the viewer in addition to the part in high speed condition, there are a large part in a state of static, walk or slow, so this part of the landscape design should focus on the "shape" of characterization and processing. Such as the body posture, image design; Green plant selection and modelling, highway structures of form and color; The traffic construction coordination with local architectural style; Place of recognition, memory stress; Even floor, stairs, kerbstone etc shall be close scrutiny, the careful planning and design. In node design, pay attention to the detail design of some important node, through the toll station, service area and other small environment planning and design of the node and the greening design of the retaining wall along, reached for the reinforcement of highway landscape details.

3.2. The integration of landscape planning design method

On the above, mostly located in tourist road distribution along the rich human landscape and beautiful natural landscape, And at present, due to the limitation of greening lands, the tourist road landscape planning and design is to use a general highway landscape design mode, the formation of "one road, two line trees" pattern of landscape construction. This mode is not conducive to integration with the surrounding environment, tourism highway itself is unfavorable to visitors to see the road on both sides of the natural scenery and rich cultural landscape of the road on both sides of the rich tourism resources and tourism publicity. The tourist road landscape planning and design of landscape integration planning design method should be applied, let the road's landscape and the surrounding natural landscape and human landscape to carry on the organic fusion, Around the beautiful natural landscape, has a high ornamental value of the humanities landscape is introduced into the tourism highway landscape space, to break the existing tourism highway landscape design of "one road, two line trees" design pattern, fully reflects the characteristic of the tourism highway landscape and tourism highway along the beautiful landscape.

3.3. Exciting point design method

Highway landscape, as a kind of linear landscape, across the region, along the various natural landscape and cultural landscape includes both the point of landscape nodes, and photos of the flake into farmland, grassland, water area, mountain forest landscape. The landscape in the landscape sequence of visitors watch constituted a series of landscape platform area and excitement. Through to the highway along the landscape planning and design of excitement, is conducive to eliminate and highway along a long long journey to visitors and drivers is relatively single landscape visual fatigue, improve the comfort of bus travel increases along the highway land-

scape ornamental and the security of driving. Using the exciting point design method, on the basis of highway landscape evaluation score of each landscape nodes in the excitement to determine their visual landscape, In combination with the actual situation of road landscape sequence space layout, carries on the highway landscape overall planning design, reasonable and orderly along the route of the natural landscape and human landscape to show to tourists, makes visitors ride like watch elegantly landscape effect. But sometimes due to the new, strange, special of landscape distract drivers, causing traffic accidents, so the location of the excitement choose colour and modelling, landscape design should meet the requirements of road traffic safety design; As far as possible need not easy cause the driver line of sight stagnation and illusion landscape colour and modelling, pay attention to the macro landscape effect, reduce the landscape features in details, ensure the safety of tourist traffic.

3.4. Method of vegetation restoration and landscape design fusion

Good ecological environment is the basis of the beautiful landscape, vegetation restoration and landscape integration design is the principle of "priority to pay attention to ecological protection, natural beauty" important manifestation, is also an ideal way to get the beautiful road landscape. When making road landscape design should make full use of original vegetation, the destruction of the vegetation community structure reasonable analysis, find out the key ecological factors which influence the stability of the community, for the purpose of vegetation restoration and landscape reconstruction to obtain good ecological and landscape effect. Vegetation restoration is an important content of highway landscape planning and design, is the main way to realize highway environmental compensation.

4. Conclusion

Highway landscape design should stick to a safe and comfortable, ecological and environmental protection, the principle of people-oriented, functional expansion and ideas, striving to the influence of highway construction on the natural, ecological environment and the degree of damage to a minimum. Highway landscape construction to improve the expressway ecological environment quality, enrich the connotation of the tourism highway landscape, to improve the quality of road use. For this purpose, the road landscape planning and design should be involved as soon as possible, can't wait until late highway construction to make some landscape patch and decorative work; Landscape planning and design should be as far as possible into the scene, a detailed survey and local conditions and customs, natural environment condition along the highway in order to absorb the local national culture elements, Take effective measures

to protect the ecological environment of expressway, and create a harmonious, ecological and environmental protection, natural style is distinct, characteristics of tourism highway landscape effect, To drive along the highway's rapid economic growth, improve the social and economic benefits of tourist road play a bigger role.

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