

Research on Landscape Environment Design of Historical District in Yining City -- The example of "Liuxing Street"

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ABSTRACT

This paper takes Yining historic district as an example. First, we briefly analyze and introduce its historical background and current situation. Then on the basis of protecting the status quo, the landscape environment of the block is improved, and the problems encountered in the landscape environment design process of the historic block are deeply studied and analyzed. Finally, through field investigation and analysis, we provide feasible strategies for the study of landscape environment design of historic districts.

Keywords: *landscape environment design landscape environment design Liuxing Street*

1. INTRODUCTION

Xinjiang, the largest province in China by land area, is rich in tourism resources. With the development of tourism in Xinjiang, we should vigorously develop more excellent tourism resources, which will help the development of tourism in Xinjiang. Yining city is located in the middle of Ili River Valley in the west of Xinjiang. In 2012, it was approved by the State Council to become a national historical and cultural city. In 2019, Yining City proposed a transformation plan for Liuxing street, but there are also some problems in the process of protection and development of Liuxing street. Through the preliminary research and combined with the national historical and cultural city protection policy of Yining City, we provide valuable landscape environment design strategies to promote the overall improvement of the landscape environment of border historical blocks.

2. ANALYSIS OF THE CURRENT SITUATION AND PROBLEMS OF LIUXING STREET HISTORIC BLOCK

[1] Six Star Street in Yining City was built in the mid-1930s, by the German engineer Vasli planning and design. Has nearly circular planar blocks form, spread outward from the center point of intersection of six main road, the block is divided into six fan-shaped area, schools, shops and other public facilities in the center,

residential area distribute in the periphery, the unique residential patterns formed the Chinese and western cultural exchange and ethnic communication integration diversified pattern of opening. Overlooking the whole of Six Star Street, its plan resembles the shape of a spider's web. In 1934, the Yili Reclaiming Bureau was moved from Huocheng Huiyuan Town to Yining City, and Yining began to become the political, economic and cultural center of Yili. At that time, Xinjiang carried out the "six policies" of anti-imperialist, pro-Soviet, ethnic equality, incorruptly, peace and construction. Six Star Street was planned and designed according to this idea.

Because Yining is located in the western frontier area, the process of urbanization is slower than that of the mainland, which also provides opportunities for the protection and development of local architectural culture. With the advance of block reconstruction, the texture of the old city began to be damaged to a certain extent, and some problems were also found in the investigation process.

Because Yining is located in the western frontier area, the process of urbanization is slower than that of the mainland, which also provides opportunities for the protection and development of local architectural culture. Liuxing Street in Yining City is a famous historical and cultural street in the Autonomous Region. Over the years, the unique historical and humanistic art forms have been formed in the block, which is of great significance for protection. The people of various

nationalities have integrated and influenced each other in this block, forming a very unique cultural form. With the advance of block reconstruction, the texture of the old city began to be damaged to a certain extent, and some problems were also found in the investigation process.

2.1 The traditional features of the blocks have been partially damaged

In the process of block reconstruction, the block form and historical culture formed over the years are bound to be affected to some extent. In addition, large-scale demolition and reconstruction of traditional rammed earth residential buildings in the core area of the block will cause inevitable secondary damage to the historical form of the block. The construction of urbanization will inevitably be based on the damage to the historical buildings or the original city features, but in the process of reconstruction or demolition of the traditional buildings in the historic districts, we should be more cautious. Therefore, in the transformation process of Liuxing Street historical block, it is necessary to dig deep into the historical culture, change the inherent architectural form of the block as little as possible or not, and continue and inherit the traditional style of the historic block by the way of "protection first, development second". (Figure 1 clearly shows the impact of urbanization on the traditional architectural structure types of Liuxing Street. Only 5% of rammed earth dwellings, 40% of brick-concrete structures and 55% of brick-wood structures exist in the past.)

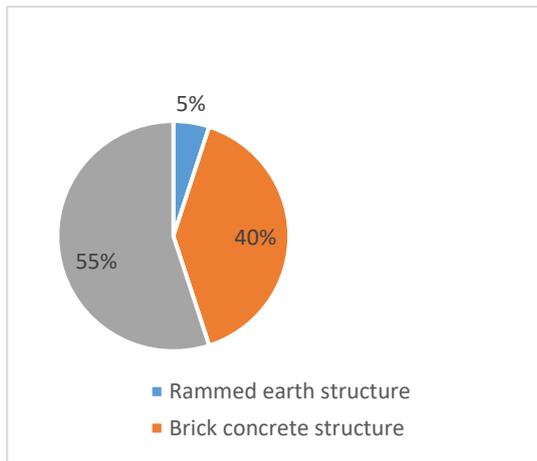


Fig. 1. Six star street existing building structure type

2.2 The concept of one-sided protection

In six star street historical block protection development process, its protection scope is too one-sided, only for some of the historical buildings of the listed punctiform protection, rather than from the historical block concerned for the overall

considerations, is beyond the scope of protection of building or road landscape, was allowed to proceed unchecked, the lack of strict blocks protection concepts.

2.3 Lack of design in road landscape planning

In the historical block of Liuxing Street, the landscape planning on both sides of the road is not perfect enough, and there is no reasonable and effective planning and design. [2] Some flowers and trees are still planted at random at the entrance of many courtyards, which is easy to create a disorderly visual effect. To perfect the landscape level of the block, it is necessary to carry on the whole road landscape design.

3. PRESERVATION AND DEVELOPMENT STRATEGIES OF LIUXING STREET HISTORIC BLOCK

Under the guidance of the strategy of revitalizing Xinjiang by tourism in the autonomous region, the protection and development of historical districts are the general trend. How to find a balance between the development and protection is also the core of this paper. In the process of the development of historic blocks, the principle of "conservation first and development second" must be followed. Then it forms the protection form of the historical block of the border area with Xinjiang characteristics, and provides the reference method for the protection of the historical and cultural block of the border area.

In view of the existing historical buildings, through the actual investigation, the feasible historical block protection scheme is studied, so as to make it a part of the characteristic cultural tourism of Yining city. While preserving the historical architectural features, we should use innovative design concepts to develop tourism and promote the development of local economy. Therefore, it is necessary to improve the landscape environment of Yining historic district. Taking "Six Star Street" as an example, the paper discusses the new mode and new method of landscape environment design of historic blocks, and tries to breed the landscape environment design method of Xinjiang characteristic historic blocks innovatively under the big protection framework.

3.1 Specialized protection of historic buildings

Investigate the buildings with historical value in the existing historic districts, and use the local traditional decoration and construction techniques to carry out protective restoration. After the maintenance of the historic building courtyard, the listing should be protected, and a certain amount of funds should be given for the later maintenance and protection. It can not only meet the living needs of residents, but also

enable tourists to appreciate the beauty of the historic buildings in a close distance. [3] It is suggested that the historical buildings with residents living should be opened in different periods in diversified forms such as folk customs houses.

For the protection of the historic block of Liuxing Street, designated special staff to carry out regular inspection and visit, for the destruction or change of street style behavior should be stopped in time, fundamentally put an end to the residents of private construction, damage to the overall historical style of the block. Professional personnel shall evaluate the houses without necessary maintenance and determine that the demolished houses shall be protected and restored according to the surrounding historical features.

3.2 Develop courtyard business model

Six Star Street Historic District is mostly single-family villas. We can adopt family restaurants, family home stay and other flexible and diversified business operation modes, carry out top-level unified planning for business activities in the scenic area, avoid bad business competition, and form a courtyard business model of "each household has its own characteristics and each family has its own differences".

We divide different functional areas according to street areas to meet the needs of tourists for different tourist activities. To have the will of the family business, family life is not affected, on the basis of characteristics of different courtyard business model, carry out various forms of garden for pleasure, let visitors can also learn about local close different lifestyle of different ethnic groups, and show the blocks interact and each has its own characteristics of traditional national culture amorous feelings.

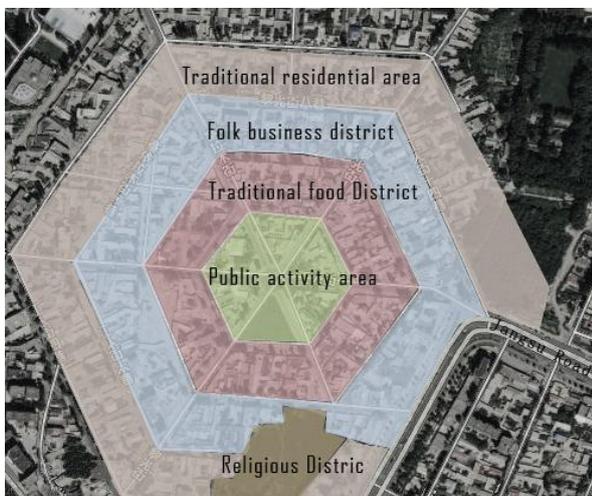


Fig. 2. Functional zoning map of Liuxing Street

3.3 Establish characteristic culture exhibition hall

There are three places to visit in Liuxing street, including Alexandria accordion exhibition hall, Orthodox Church and mosque. On the whole, there are too few cultural scenic spots to visit, so it is necessary to excavate excellent historical resources. According to different situations, professional exhibition design should be carried out for places where historical celebrities have lived and historical buildings with artistic and scientific research value. The focus is to create celebrity effect, form diversified landscape nodes and develop multiple core landscape routes, Let tourists stay in the scenic area as much as possible, and then drive the local economic development. In addition to meeting the needs of shopping and entertainment, it is also necessary to provide high standard supporting service facilities and tourism experience to form the unique cultural connotation of the historical district and attract more tourists to visit here.

3.4 Upgrading and renovation of block landscape design

In the design of external space, [4] Yoshin luhara once discussed: "the aspect ratio of street is D/h . The aspect ratio of different streets will cause different visual and psychological effects. When $D/h = 1$ and $D/h < 1$ appear repeatedly, the rhythm of street space is better." As the streets of Liuxing Street residential area have been designed for a long time, the increase of family cars makes the streets slightly narrow. After the transformation into a tourist attraction, the traffic flow should be limited in different periods to give tourists a better experience. Secondly, the radial street layout of Liuxing street block is not conducive to distinguish roads. In the selection of road landscape green plants, different plants should be matched according to the width of the street to create different street atmosphere with characteristic green plant landscape. The main road can be dominated by tall trees, highlighting the sense of space of the street, while the secondary road is dominated by shrubs or small trees, Create a sense of small-scale enclosure. In the alleyways, climbing vines such as *Campanula* and *Parthenocissus tricuspidata* can be mainly planted in the green corridor to form a good shade leisure corridor.

Through the analysis of Yili tourism slogan "south of the Great Wall · poetry and painting Yili" and Yining tourism slogan "Silk Road Flower City · color Yining", this paper extracts and extends the design concept of these two theme slogans. Jiangnan landscape features landscape as the main line, focusing on the performance of hazy ink painting mood. Although Yili is located outside the Great Wall, it has abundant water resources, luxuriant plants, rich forest and fruit resources, and the climate has something in common with the south of the Yangtze River. We can focus on creating the block landscape characteristics of "birds singing and warblers

singing, crisscross river network, willow spring breeze, apricot blossom drizzle, three steps and two bridges, one step and one scene", taking its likeness to create the south of the Great Wall with the unique characteristics of Yili border city.



Fig. 3. Street classification of Liuxing Street

3.5 On the basis of regional culture and with multi-ethnic integration as the characteristics, build the core landscape of the historic district

In essence, the protection, promotion and development of landscape environment in Liuxing Street Historic Block is also the excavation and protection of urban culture. Street blocks and landscapes blend with each other, humanity and nature coexist in harmony, history and modernity continue to pass on, and classical and modern add radiance to each other. In the process of protecting and developing Liuxing Street Historic Block, we should deal with the relationship between historical buildings and modern city, and create the harmony and unity of classical and modern landscape environment. Combining with the development needs of cultural tourism, we have adopted a series of positive improvement measures, such as functional perfection, cultural excavation, municipal supporting facilities, landscape design, etc., to improve the level of tourism functions and service facilities of Liuxing Street Historical District and add new kinetic energy to the district.

In view of the serious shortcomings of the homogenization of commercial tourism souvenirs in domestic tourist attractions, a professional design team is established to deeply explore the local nature, history and cultural characteristics of the design elements, create a unique brand culture of Liuxing Street, and create tourism souvenirs with local cultural elements of

Yili. Improve the good service attitude of employees and timely processing ability of tourists' information feedback, constantly improve the connotation construction of the block, highlight the humanized service concept, and improve the overall quality of the block.

4. CONCLUSION

Historical district is the carrier and witness of the development of human civilization. In line with the concept of people-oriented and harmonious coexistence, we study the landscape environment design of the block with the concept of protective design, and use theory to guide practice as far as possible in the protection of border historical blocks, so as to achieve the integration of development and inheritance, and provide support for the follow-up research. On the basis of protecting its original historical state, we should improve the landscape environment of the block, promote the tourism development of the block with national characteristics, give full play to the historical and cultural value of the historical block, and display the regional architectural cultural characteristics, so as to promote the economic development and landscape environment of the border region.

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REFERENCES

- [1] Yang QL.(2020) Protection and renewal of historical and cultural heritage in water network area: a case study of Pingjiang historical and Cultural District. J. Urban architecture., 17 (30): 159–161.
- [2] Chen YQ, Zhang FL.(2020) Discussion on the overall protection and living utilization of historical and cultural blocks. J. Journal of Henan University of science and Technology (Social Science Edition), 38 (05): 93-101.
- [3] Dai H, Bi C. (2020) Protection and renovation of traditional architectural features in historical districts. J.Architectural structure., 50 (19): 150.

- [4] LuYuan YX, M. (2006) *Aesthetics of streets*.
BLA Publishing, The Tianjin.
- [5] Lin JJ. (2018) *Research on protection zoning of*

Liuxing street in Yili from the perspective of place.
D.Southwest University of science and technology,
(03): 23-50..