

## Research on Urban Street Landscape Design

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**Abstract:** Street is an important part of urban space, and it is the public space that urban residents pay most attention to. Street landscape is a concrete reflection of the style of urban streets, and urban street landscape will directly reflect the development level of the city, giving people the most intuitive impression. At the same time, the urban street landscape is also an important way for us to understand the history and culture of the city. With the rapid development of social economy, how to understand the streets of the city, what kind of street landscape to design, and how to continue and develop the context of the city in the street landscape will be issues that we have to consider. Based on the study of a large number of urban street landscapes, this paper divides urban streets into commercial streets, traffic streets, life streets and waterfront streets on the basis of induction and summary. Detailed descriptions and explanations of the design principles that should be followed in the landscape design of these four types of streets are given, and through the analysis of the typical street landscape of Shennan Avenue in Shenzhen, the future development trend of the street landscape is drawn, and what is the design process to combine people's activities to be both beautiful and generous, but also safe and practical.

### 1. Introduction

In the contemporary era of economic prosperity, urbanization has become a hot vocabulary, and the status of cities has also been promoted in people's minds. At the same time, with the increase in people's needs for entertainment, recreation, and social interaction, opportunities for contact with urban public spaces are also increasing, and we are increasingly aware of the importance of this public platform. City, a popular vocabulary that integrates economy, culture, and politics, its streets are the most intuitive, memorable, and vibrant public places. Urban streets constitute an important part of urban space. An important city is a representative of a positive cultural field. Due to its geographical location, differences in formation background and historical development, the streets of different cities will show different patterns. Reflects unique style characteristics. In this regard, the ancient China and the West have carried out detailed records on this, and left a lot of rich historical materials. The design of urban street landscape is so important and has attracted people's attention. Street landscape can be regarded as the framework of urban landscape. As the core part, pleasing to the eye can no longer meet the city's requirements for street landscape. It needs richer and unique connotations. Only in this way can it show the charm of a city.

### 2. The Current Situation and Problems of Urban Street Landscape in My Country

The basic status quo of urban street landscape in my country: unsound functional facilities, poor environmental quality, emphasis on the design concept of car dealership, low level of street facilities, lack of personality in street construction, lack of public venues, and lack of a complete pedestrian system. The reasons for these problems: First, the policy errors in the construction of urban infrastructure and the emergence of a large number of private cars since the reform and opening up have led to the shortage of road resources. Second, the citizens' awareness of street environment protection is weak, laws are not sound, and publicity is not in place. Third, blindly pursuing economic benefits, public service facilities cannot play their due role. With the

acceleration of urbanization, people need to continuously improve their living environment. Some street landscapes have attracted people's attention. The construction of expressways in modern cities lacks a cordial beauty, although some cities pay attention to street reconstruction and the environment. Design, but there are still some problems.

Except for some streets with strong history and culture, most of the city streets are the same. They do not pay attention to the style of city streets, have no recognizability, and do not better reflect the unique street style and individual design of a city. As a necessary factor of street landscape, greening is in a very weak position in our country's street greening system. Although there are requirements for green area in urban street landscape design, in specific implementation, the current street greening is only carried out to meet the requirements, which is extremely unreasonable, let alone beautify the street. The tree species on both sides of the street and the landscape design in the flower beds appear to be the same. At the same time, the greenery that has been constructed has not been routinely cared for and timely repaired, resulting in greenery becoming an addition to the street landscape, rather than a necessity.

In most cities in my country, the lack of street facilities has brought people troubles. They only consider the leveling of the street surface and ignore the functional facilities of the street, such as: traffic slogans, public toilets, road signs, etc., which cannot meet the needs of modern people's lives. Need, lack of infrastructure. In the public space of urban planning, one thing that is easy to overlook in street landscape design is the importance of the street itself and the linear landscape design. Therefore, in the spatial form composed of geometric elements such as streets, people in a state of three-dimensional spatial activity are often overlooked. In the general urban street landscape layout, there are relatively few places such as squares and parks that provide citizens' leisure and entertainment. If a city lacks the dynamic landscape element of people, the street landscape will inevitably lose its vitality and become flat.

The street greening system is not complete. Most of the streets along the street blindly use greening to meet the street landscape, without forming characteristics, and the traffic slogans are also lacking elaborate design. The layout of flower beds, sidewalk trees, and isolation belts does not form its own characteristics, and the overall integrity is relatively high. difference. First, for the convenience of urban traffic, many cities do not consider the principles of road planning and adopt the method of occupying sidewalks to increase the width of the motor vehicle lanes. As a result, pedestrians have to risk entering the motor vehicle lanes in order to avoid crowded sidewalks. Increased the danger of both sides driving. Second, when preparing to cross a bustling street, many times we will find that there is no isolation device between the sidewalk and the motorway. Not only there is no basic guardrail equipment, but there is no zebra crossing. The pedestrian passage is because of the unclear space. It also increases the risk. Third, due to the lack of pedestrian bridges, crosswalks, and underground passages in particularly busy traffic sections, pedestrians have to risk their lives to cross the road, causing many large traffic accidents.

### **3. Design Elements of Urban Street Landscape**

As one of the most important determinants of urban space, architecture, its size, scale, proportion, space, function, etc., will have an important impact on the urban street space environment. The building is hailed as the "historical book of stones". The location of the building, the land used for the building, and the decoration style of the building will all affect the relationship between the building and the street. The building land and the street are in an organic whole relationship. The decorative style of buildings along the street will also have a certain impact on street safety.

The square can be said to be the center of the street, the most active space unit, and the place where residents live. It is a lively space. The interior of the building and the square are spatially interpenetrated. According to people's activities and the geographical location of the square, the square can be divided into four major architectural types: leisure and entertainment, commemorative, municipal, and transportation distribution. Among them, the leisure and entertainment square is most closely related to people's lives. Three principles should be followed in

the design of the square, people-oriented, individual characteristics, and overall coordination should be adhered to. At the same time, attention should be paid to the appeal of the square design. It is necessary to make the square more attractive to the public, and to be able to make use of the square's local presence. For the style and characteristics of the building, the key buildings are selected in terms of artistic treatment, and the entrance, greening, and material layout and use of the square must be focused on highlighting the visual center. Construct a multi-level square integrating function and personality. The configuration and integration of the building facilities of the square can also make the street landscape richer and more enjoyable. It can shape the characteristics of the urban landscape and make the space trigger activities, so that these activities strengthen the space. Provide a transitional space between indoor and outdoor, provide citizens with a good feeling of space, and enhance the comfort and intimacy of the environment.

Landscape sketches are an important element that reflects the taste and style of a city, and are also an important part of the urban street landscape design process. At the same time, landscape sketches that are necessary as street landscape facilities (such as telephone booths, trash cans, etc.) are directly related to the image of a city. There are many forms of landscape sketches, generally in the form of pavilions, corridors, halls, etc., combined with surrounding buildings and plants to form a semi-open space. At the same time, many department stores, restaurants, and telephone booths have their own functions. Landscape sketches Part of the urban street landscape should focus on its functionality and transition, and at the same time it should also be symbolic and symbolic, which is directly related to the historical style and development of a city.

#### **4. Characteristic Design of Traffic Street Landscape**

Urban traffic streets play the role of connecting people and things between the various functional areas of the city, and they are also the material conditions for the existence of the city. The function of intermodal transportation determines that the environment of this street is a highly concentrated area of pedestrians and traffic. On the other hand, the urban traffic street landscape not only undertakes important traffic tasks, it is also an important manifestation of the degree of urban development to a certain extent, and it is also a typical manifestation of urban open space. As a main road of urban life, Shennan Avenue not only carries an important traffic function, but also becomes an important place for citizens' lives. At the same time, it is also the most important economic development line of the city. The research and construction of Shennan Avenue should be carried out from balancing the relationship between transportation, life and economic development.

In the landscape design process of urban traffic streets, the characteristics of the city should be fully explored, and the inherent characteristics and symbols of these cities should be reasonably reflected in the landscape design process. Otherwise, the same undesirable effects will occur. Furthermore, the difference in travel speed also puts forward different requirements on the landscape design. Motor vehicles and non-motor vehicles should also take into account each other in the visual effects of the landscape. According to the relevant characteristics of traffic streets, the following principles should be noted and considered in the landscape design process:

The urban traffic street landscape design should fully implement the human-oriented principle, and the humanized characteristics should be reflected in the design process. All public facilities in cities are for the purpose of serving and facilitating people, and most of human activities are completed in the integrated space of the city. Therefore, without exception, the design of urban traffic street landscape should also meet the needs of people's psychology and life as the ultimate starting point.

Urban traffic streets are mainly responsible for the connection between the functions of various parts of the city. It is the lifeline of the city and the space shared by motor vehicles, non-motor vehicles and pedestrians. Therefore, in the process of landscape design, safety should be put in the first place in the design. All factors such as the location, volume and size of architectural sketches, greening and public facilities must be properly coordinated with safety. The reasonable separation of motor vehicles from non-motorized vehicles and pedestrians is a key manifestation of the safety principle.

Although, urban traffic streets are responsible for the connections and bridges between the various functions of the city. However, recognizability is also an important composition principle in landscape design. Traffic streets with different red line widths and different sections of the same street should all reflect their different characteristics in landscape design, and only in landscape design can they reflect their different characteristics. Elements such as plant configuration, city symbols, abstract sculptures, and public facilities should be fully integrated with the facades of urban buildings to express the different characteristics of different roads and even different sections of different cities. On the other hand, it also enriches the characteristics of the street and also shows the style of the city. This is also the main reason why each city strives to build an urban Yingbin Avenue.

## **5. Conclusion**

In the development of urban streets, with the continuous improvement of China's comprehensive national strength, the continuous progress of social civilization, and the rapid development of science and technology, it has had an important impact on it. At the same time, the quality of the streets directly reflects the political, economic and cultural level of the city. We can see the use of high-tech achievements in street construction in modern cities, and the extensive use of photoelectric technology, such as night lighting buildings, squares, fountains, commercial outdoor advertisements and entertainment sculptures, etc. In terms of enriching the urban street landscape.

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## **References**

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