

The achievement and prospect of Taiyuan's city planning development — —The features of the city planning in German occupation period and their enlightenment to Taiyuan's city construction

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ABSTRACT: City planning is a subject to deal with the city and the engineering construction, economy, society, land using layout of its nearby areas. Besides, it is to predict the future development. City planning can disclose the developmental overview and regularity of a city to some extent, which is a blueprint to a city's developmental planning. A better planning can bring a good scenery to a city. It can also provide a developmental direction for a city in some ways at the same time. The thesis aims to illustrate a good city planning can have positive promoting functions to a city's construction by introducing the city planning features of Qingdao in German occupation period and it summarizes the enlightenments brought to Taiyuan's present city construction.

Introduction

A good city's planning is indispensable for each city's development. The plan for a city can be carried out from both macro and micro aspects, that is to say, general and detail planning. From the macro aspect, a city's layout and development features should be considered in a city planning. The elements like the city's transportation, function zones, general overview, city orientation, water intaking, anti flood and earthquake should be considered. What's more? The greening rate should also be strengthened, which can provide citizens with a safe and comfortable living environment. From the micro aspect, some facilities' specific layout like the buildings in the construction sphere, public service (water and electricity) and green lands of parks should be considered.

City planning's positive effect on the city development

A good city planning can bring some economic benefits to a city

A good city planning can improve a city's overall economic benefits to some extent, can bring a better overview to a city, can create a healthy lifestyle, which can improve people's life efficiency and upgrade their happiness index. Besides, it can attract more investors to fasten the city's construction and boost a city's development fundamentally.

A good city planning can improve a city's environment

In modern society, because of the development of productivity, industrial pollution becomes more and more severe. A good city planning can centralize the source of pollution and reduce the pollution to the lowest.

The features of Qingdao's city planning in German occupation period

From 1898 to 1914, German have conducted city planning twice for Qingdao in the period of occupying Jiaodong peninsula.

Qingdao's city planning in 1900



German colonists makes out a series of strict and specific rules and laws architectural designs, roads, virescence, environmental protection and so on according to city planning. As for architectural designs: the shape can not be repeated in Qingdao, and they should have features of European culture; the height of the houses should be no more than 18 meters, and the floors should be no more than three layers; the building's covered area can't surpass its

land area's 6/10; the interval between building should be at least 3 meters, and the side with windows is 4 meters. Sanitary, transportation, ruggedness and anti-fire should be first consideration and shapes of the buildings wouldn't be paid much attention when building houses.

There are consciousness to protect the ecology. From the aspect of the planning's site selection, they tried their best to use suitable building land to plan. The coastal roads along seas makes the natural environment and man-made construction more harmonious, which presents Qingdao's city scenery to its best. Besides, the irregular road net built according to terrain and previous building construction can also present the harmonious aspects between people and nature.

In city's planning construction, Germans always take some elements like road, dewatering, electricity and virescence into first consideration. After German's first occupation to Qingdao, the city's water supplying problem was first dealt with, which discloses their emphasis on fundamental facilities.

Qingdao City's expansion rules in 1910

The harmonious development between city and environment is still focusd. The planning of the city's sub-center expands to the north freely based on the city's previous structure. Because of its connection with Taidong County and the existence of Taiping mountain in the planning zone, they make the sub-center and Taidong County be a connected city space which have too much independence on the other hand.

The commerce's development and requirement are considered firstly. Firstly, the boundary between Chinese and European zones is cancelled, then Chinese goods and European goods can circulate freely, which makes the whole commercial development smoothly and drives the prosperity of Qingdao's whole economy. What's more? As for the planning of roads, the transportation is very convenient because the roads in the new city's zone are connected with the previous roads. Thirdly, the port wharf is built and new railways are built according to it, which can improve the ability to take goods in and out in large quantities of ports. Lastly, the importance of the commerce is highlighted. To develop the commerce, the expansion planning is in the residential land which locates on the north of the city. The center area is left to the new commercial blocks. All these can drive the common development of residence and commerce.

The enlightenment of Qingdao's construction to Taiyuan

The achievements in planning and construction

When it comes to 21 century, the department of Taiyuan's city planning has done a lot to the city planning. Bridges like Yingze Bridge, South Inner Loop Bridge have been broadened. The street of Dragon City and its surroundings have been finished planning. North loop, South loop, West loop and East loop have opened to the traffic. Changfeng Street has been finished constructing. The whole transportation system planning is in order. There are big changes about the city's overview. Fenhe Park isn't so dirty any more, which provides good conditions for people to relax in summer

and go outing. There are also many advantages for citizens because of dealing with the popularity of district heating. Taiyuan is more beautiful and big compared with ten years ago, all of which bring so much convenience to people's outgoing and life.

The enlightenments of Qingdao's construction to Taiyuan

The correspondence measures to the insufficiency of transportation system planning and construction. After more than ten years' hard working, the department of Taiyuan city planning has adjusted the transportation system, broadened bridges and the construction of micro circled projects, which lay a solid foundation to the city's expansion and development. There are big changes for the transportation condition. But some problems like transportation jam in some roads also exist, for example, from Wulong crossing in Jianshe Road to the east crossing in Shuangdong, Dananmen section in Jiefang Road. The author suggests that a small viaduct with three lanes be built from Wulong crossing to east crossing in Shuangdong like Changzhou Railway Station. It can make cars from south and north to pass this road district in a short time, which can clear the stream of people, relieve the transportation pressure, and the city's overview is also improved.



Besides, the construction of metro should be finished earlier. It is believed that the metro can relieve the transportation pressure, especially the construction of railways from the east to the west.

The correspondence measures to the planning and construction of the city's landscape. From the perspective of the city's landscape, the implementation of the construction is carried out relatively slowly. Whatever, the planning for the landscape of Qingdao has provided much fodder for designers, for example, Qingdao is not only good at city's function and expansion, but also at the city's landscape. These several city planning and construction have made contribution on the city. They also have promoting function to the multi development of the economy.

Some imaginable thoughts to Taiyuan's planning. At present, Taiyuan's city planning has already changed a lot. The construction of Fenhe Park finished several years ago is bright scenery for Taiyuan. It is said that it is the most dazzling project in city planning in recent ten years. It is an important place for Taiyuan citizens to relax themselves in summer. What's more? Changfeng commercial zone also provides people a city unit with culture, entertainment, shopping and relaxation, which is no doubt a new card of Taiyuan.

The author thinks that the biggest problem for Taiyuan is to reform villages inside the city, which includes bad environment, houses with low quality, bad public security and so on. The department of Taiyuan should reform them further, that is to say, they should fasten and reform the villages like Houbeitun, Dawang Village, Beiyan Village and correspondence schemes should be carried out previously. To solve the problems of villages inside the city thoroughly is to speed up the urbanization.

Summary

With the development of society and the improvement of people's living standard, we have a new concept for city planning. The successful city planning of Qingdao is a good model. We know that city planning isn't a simple knowledge and we should take in experience and learn a lesson in practice. Combined the city's advantages and disadvantages, a sustainable transportation structure must be planned out, which should consider the relationship between human beings and environment, and the construction city's basic infrastructure should be focused and so on. In the following several years, two or years city centers with the features of humanity culture should be formed. The speed of moving and reforming should be fastened, so is the speed of south moving and west coming. Taiyuan will be planned and constructed more beautiful finally.

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