Behavior Space Design and Expression by the Theories and Methods of Urban Design—The Yan Dao ancient town of design practice

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ABSTRACT: In recent years, the ancient town of update and development has become a new hot spot, the study of old town renewal of concern is gradually warming. And again there are a lot of space in the middle of the old town renewal design and traditional style, space activities and use the contradiction between population, which becomes a problem urgently to be solved in design stage. The purpose of this study was to explore old town design space and behavior, traditional and modern conflict resolution methods, and to present the town development and design with a design concept. This paper uses three theories of urban design (The relationship between figure and ground, Contact theory and Place theory) as a real-time monitoring, assessment, comparison of methods, to study Yan Dao Ancient Town, and the space for analysis. In the research, this paper based on the design theory of the three major city as a starting point, detailedly describes the different types in a certain area of difference in the behavior and the properties of space, and the ancient town of Hubei Shennongjia forest region salt path planning and design practice, the ancient town of updating the connotation of the historical context and space behavior of connection. The conclusion of this thesis put forward the method of that based on the space shape of ancient design method of its application in practice.

Keywords: ancient town design; urban design; space behavior; public space

1 INTRODUCTION

The environment is consisted of urban public space, urban design, and the focus of contemporary urban form. History to see the public space has been used as a public communication and participation in activities of the main site. From another perspective, in a public space for public activities and events are also attracting people to participate in activities and commercial content. Create a vibrant and content of public space, not only for the benefit of the overall development of the region, and the region is a dynamic city with new element.

Because of time and rapid technological development, and various sectors of the community for history and culture of the progressive, historic Old Town and the historical district of the public space has become today’s space of the focus of the study. But in the old town development, as well as the methods for the design, it is often overlooked in urban design methods shape behaviors space vision and approach to deal with. Therefore, how to apply this approach in the city becomes very important.

2 TRADITIONAL OLD TOWN SPACE WHY HAVE “OBsolete”

Traditional old town is geographically. Civil history, culture and material culture of the crystal, the ancient society in miniature, and it is also a history update of the witness. And today, the old town development and update speed up, public tourist in the traditional regional infiltration, the traditional old town space for a modern and functional use of any adaptive exposed.

2.1 Old Town features profiles

A famous contemporary Japanese architects Nowon volunteer letter in the towns summary profiles the two modes, one of which is the “from the border to the establishment of the heart order of the city”, and the other is “Not aware of boundaries and the centrifugal and does not rule out city”. The Chinese traditional houses at most demonstrate the 3 modes, namely the conscious border inside out of the centrifugal expansion rules, the structure of the main features: natural of defined space town boundaries, the ancestral hall Plaza building old town space core, religious etiquette birth town space order.

2.2 Hubei Old Town space evolution

Hubei town is located in main traffic arteries, for commercial, military, and other such factors, gathered household, and gradually develops into a town. They have built no deliberate planning, and there is a clear case for spontaneous and deeply affected by environmental factors, in particular, road or river, and its historical town of the morphology is empty, and the Convention has a strong geographical and cultural in
nature and form the coexistence with the environment of the natural picture. Hebei town was spontaneously formed and that the pattern evolution has been from small to big, and the gradual stabilization of the process. This process is complex and lengthy, and it is a downward spiral of self-organization of the development process. It is a natural and social common to the result of the selection. Based on actual observation, old town inhabited by morphology evolution process can be split into 5 stages (Figure 1).

![Figure 1. The evolved diagram of ancient town with space form](image)

1) Points generated by the old town at the lower stage, the pattern will depend largely on the old town, the geographical conditions, such as topography of the River Road to the distribution determines the agglomerations in the basic shapes. Because of this phase of the concentration is very small, and had not yet become geographical centers of the trade, and the shaft to the development trends and do not have a strong base for the point, but from loose in the layout has a river and road development trend.

2) For linear connection when the old town as a small-scale geographical center development, the axis to start development ignited. The population is quite small, and the economic base. It is therefore phase-patterns of the street, a fairly small number of agglomerations in only 12 streets, and formed a town form of ribbon-shaped.

3) For skeletal growth of some old towns due to traffic conditions, its geographic location, and, as a geographical center, scope of impact more and more too, the crowd size for further development, the patterns of the streets an extension for a longer time, the growth is also a new branch.

4) Block Fill Old Town alleys of extension is not unlimited, and the towns and the speed of economic development has slowed down, the impact of the regional saturated, town of change will begin to focus on the cities and towns of internal adjustments, and the long-term its own sound, Old Town streets between the fill, Old Town patterns are gradually “round” together.

5) new expansion in the modern era, the road traffic, towns along the road expanding rapidly green area to form the new and old and built-in” of the urban landscape.

3 YAN DAO TOWN SPACE IS HOW TO RE-SHAPE

3.1 Salt road culture of the recurring

Shennongjia, Hubei Province, north-west, east and Hubei Yangyang, clone, scenic area bordering West and Chongqing County spellbinding Yangtze Three Gorges is adjacent to, and in accordance with the Hu-bei Yichang three gorges dam, the North and Hubei Shiyan, near martial art, Shennongjia, Hubei’s two Mountain Tourist Area core areas, Hubei province is also the eco-cultural tourist area of the core plate, the Huaxia Adam Yan Di Shen Nong in this ground-the name. It is the only one in the “Forest” named after the SAR, the immediate jurisdiction in Hubei Province.

The “Yan Dao Town style Water Street” is located in Xiamen and Town Center area, it is an easy access to the motorway, which is to connect the 9 Lake District and God, the top of the gateway. For the “Yan Dao Town style Water Street” and the development, and construction, the development has created a fine external traffic conditions.

The Yan Dao Town style Water Street is commercial, tourism, food and beverage, commercial, cultural, leisure, in a large urban commercial development project, in which a business-oriented is processed.

The total project area of 65 acres, the whole of the project construction to 390 meter-long curved Road Commercial Street and administrative office area are separated. From the south to the north, and Yulin tankers Square, bar street, while Square, salt, food street, commercial catering Cultural topics courtyard, Goldman Sachs Dance Opera House, 3 Shing manor house, listen to college, net Lin the room, places scenic area (Figure 2).

![Figure 2. Aerial view picture of Salt Road town planning](image)
3.2 Historical, cultural, commercial and space

Yan Dao town house style Water Street node layout structure is: Yancheng tankers Square, bar street, while Square, salt, food street, commercial catering theme of culture courtyard, Goldman Sachs Dance Opera House, three Shing manors, and 3 listen to college, net Lin the room, and so on.

Yancheng square water tankers, water tankers square is the entire salt Road Town style Water Street starting point, size 910 square meters. Entrance and a landmark, geographically dated in style strong ruins, contrasted the creek large entities landscape water tankers; two groups of sketches of the town of space. Usually, commercial and cultural activities in public places and the Center, the Holidays can be a variety of folk culture club activities. Square is also offered during peak season of some of the temporary parking.

Wine bar street: Water wagon Entrance Plaza on the left and right sides, and waterfront, and the Sichuan People’s Homes with lifting the floor bar street, and set up the restaurant, the courtyard and lift the floor, and the cloister and Hennessy Road in particular water, and a waterfront is within walking distance of the water, platform, and enhance the natural water and relationships, walk around the outside light red wine green getaway.

Mineyama Plaza Floor: through the bar street, heading to the whole town view of the first point: Mineyama floor square. As the whole town on the central axis of the main point, the place not only can be overlooking the entire town, can also rely on water overlooking Shennongjia China Ping Zhu Bangzao Canyon Creek, the scenery.

San Lv To College: Located in Mineyama Plaza building on the principal axis. The original order of three Colleges located in Wuchang natives hall the Wuchang Temple. It is said that three Colleges listen to the original few links stone, and now a block cannot be seen. The three Colleges to listen.” The name origin is based on meditation hall is under the light, from 9 years. Jim is 3 to listen College, will be the first built and the inscriptions. 3 listen to this, place names, Qu Yuan was born in Hubei Huanglashi County 3 listen to, and have been at the head of the CCP 3 doctor, and this is probably to Qu Yuan, a miss.

Spirit of respect for historical and cultural tour of the principles is focused, while the ground floor plaza of the center position to compound College is featured, and enhanced cultural traceability and tour. The new college’s footprint 749 square meters and a building area 1498 square meters, compound structure is 3 to 4.

Yan Dao food street: South Plaza building two side to ShennongjiaChina local cuisine Chinese herb, Chinese and foreign boutique style dishes in the food street, the building to 2 layer-based local Layer 3, pick one, and an elegant and beautiful, and strong in eastern Sichuan and Hubei people living style, with traditional manual food mill; let visitors as well as local residents enjoy the local architectural style and a side stream cuisine.

Commercial Food Culture courtyard theme: building in typical Sichuan eastern and northern Hubei region 4 courtyard style, the building space is rich, and moving to switch views, the gray roof of the gloomy Cheong Wa Dae is front of the store, first chamber, lounge or room, the lounge wear around the fun; the street to Cheong Wa Dae slate tile floor, many are designed for two floors of the corridor lighting patio, whether it is light or view all have a taste of the two to three level, use the feature to restaurant, tea lounge restaurant, leisure and entertainment, food and beverage industry, and complemented by cultural performances, visitors can participate in the upstairs residential can be formed in the hotel lounge, a set stay, eat and play in a folk commercial and cultural center.

Goldman Sachs dance floor South Africa: it’s the Yan Dao food street, and displays in Floor Plaza, looking at the head of the South Plaza building, to undertake water Street slip, the larger the Folk Cultural Square. South Plaza building on the most prominent building is nothing more than “Shing Dance Square”. Theater sitting west, to east, 4 the courtyard layout, of 349 square meters and a building area 208 square meters. Click cornice hard hill-style roof through Doo-beams. There are 60 square meters of the stage. Here is the entire old town cultural performance and shows the central square, different annual folk festivals can be uncertain at the time of the meeting here, the whole town of climax.

Surrounded by South Africa, The Square is North Sichuan style three the courtyard and four homes, exterior of the building in corner building, 4 water slope roof, the Cheong Wa Dae roofs, and using terrain high-margin, and build a crane, constitute a rich architectural contours, a Yan Dao Town style Water Street’s most distinctive architectural group; building a gallery of homes, and a familiar environment, there would be a presentation northern hubei province from ancient history and heritage, a major historical event, as well Shennongjia China folk monuments, making it a cultural, education and tourism center.

4 SPACE AND BEHAVIOR HOW TO COMBINE

Urban public space is the principal streets, squares and other artificial substances such as Environment Unit. Urban design was mainly concerned with city open space, which is described as an urban public space outside. Open space, in order to meet a certain feature and space systems exist, is of a continuous nature. While space is in favour of satisfy psychological needs. View of the city as a continuum, and it adopted a taste of the overall design, people’s activities, natural landscape change involved. One of the most important things is that the activities can be subdivided into private and public. The former is a self-A, the self-employed and sexual life. The latter is a social, public and an outward-oriented life. Both the urban space requirements are different. Shared space is a
dynamic, open and participatory.

4.1 Urban design theory and space behavior of contact

Public Space is formed by a different history of a pulse and public activities, and it has been given diverse background characteristics and the definition of the property. Of the different types of activities with these characteristics and properties are closely related to the people and to provide a suitable certain types of activities. In this space, it will be in the space and activities to match, and in the evaluation process. Quality of the Public space will be enable for the activity as well as participants in this space have a sense of identity, and will be enhanced on the periphery of the level of concern (Figure 3).

![Figure 3. The schematic diagram of Yan Dao town space](image)

4.2 Headings Figure-ground relationship

4.2.1 Why application in the town of figure-ground relationship

In the area of contemporary urban design and site design practice, often due to the construction of modern urban life and the desired function, you need to pay more attention than ever public space scale, proportion and density relationships.

4.2.2 In the area of the Headings Figure-ground relationship

On the Yan Dao of old town planning and design, to take fully into account the overall appearance to the internal node with the surrounding environment, and that the overall figure of the relationship, the Building (structure) and the public space of the bottom in several (Figure 4).

![Figure 4. Black and white figure-ground reverse diagram of Yan Dao town](image)

In this Division, the public space such as a large public space, such as square or suitable for people stay active in the landscape; there is an additional category which is building compound combination and is formed in the homes, but also the activities of the one main site, but rather than the former type activities that the secret of relatively high.

1) In a large-scale, open plaza public space, because of site staff in high-density and the external factors, the activities will be responded to a collective activity of passive sexual orientation, and there will not be a lot of autonomy and initiative.

2) When the activity in the node of the public space, more is the link path is the old town of roads and tunnels together. For this reason, the public came to the space, and is often more focused on this node, and may only be a few, and will do more of the activities.

3) In each of the Group’s internal outdoor courtyard space, the privacy of the reasons, to some tea and dinner, tea and dinner features in this, as well as corresponding to the open space activities are also suitable for this region. Moreover, compared to a crowded outdoor street in the same function space, this space is more than a home feeling of around four, and is not subject to external disturbance.

4.3 Contact theory

The salt road town of node shape, full of the region, as well as roads of the relations between analysis, is loke the crowd together, as well as focus on building concession area stay as transferor can have a real desire of the node. Throughout the town of level, these nodes are primarily to the road as the contact elements, while they can identify the regional axis. The focus on building level is that a portion of a node is generated with adhesive. And in the construction of the contact layer is included with the portion of a node between each other.

4.3.1 Road the Internet relationship

As described above, on the basis will be once again all of the road elements in several levels:

1. Public space and road

Because the public space is already a tall building in monomers, the “monolithic” buildings are not fully separated, but more to do with external road of transition to the link. The large square in front of the public space and an external contact will be considered to be a complete main building, and then the external road links, the final form of the square surrounded by the road or the square at the center of the radiation path. For this reason, in the space and for the road this relationship, the behavior and activities may be classified as the square piece and on the road to walk or hop off the active path (Figures 5-7).
2. With the External Link Road and the internal space Internet Road;

In the external road links to the internal road features, primarily as the lead in the external flow within Old Town space, and therefore, its flag, as well as accessibility are very important. But, at the same time Road is not like many of the city roads in a port to be able to complete the eye look to the other side, the way the twists and turns of the road approach, which gives a mysterious and import, gives visitors a want to go to the idea.

The internal space of the road is often able to see two construction groups in the contact, often with a handle, to be able to let people freely to choose their features. In two of the same business mentality of the Group it can be in the use of such methods, such as food and beverage, accommodation, which can be used to avoid a business side while on the other side unheeded.

In the External Link Road and the help of the Internet and focus on people-oriented approach, it directly affects the people in the old town of the experience. From External Road is within walking distance to the desired to be able to choose the tour or commercial routes, rather than deliberately forced boot line.

3. Internal space Internet roads and cohesion of the tunnel;

Cohesion of the gallery is often in a more low-rise building in the center of transition space, and they will not form a complete pass-through and the large flow of road, which is not completely closed by the blind alley. It is thus in the alleyways and Old Town internal space of the road, with more focus on the hidden, and security. It is the experience to enter this gallery gap of space would have a strong interest in, and guide the people to walk and it is a wish to feel the space of desire.

4.4 Placemaking

4.4.1 What is the place

Norwegian architects Norbert Schulze in the construction of the intent of the United Nations, at the present, the space and the construction of the United Nations, the place of spirit and the residence of the concept of the earliest complete system of the State and the establishment of the space theory are studied, and in 1979 they made a formal “place” concept. Place spirit represents a place where the typical characteristics, and is often referred to as geographical should be characterized, and it is the site of the symbol and the soul, and it can make people distinguish between the different locations of the differences, to inspire people to an out-of-the-memories. That is, “a local identity and sense of belonging. Sense of identity, and this is shown by the audience heart for the location of the orientation and position sensing and recognition. The sense of belonging is shown by the region to the audience of the comfort, security, and communication and a sense of accomplishment, and fully meet the audience the needs of functional value, emotional value, cognitive, value and social value, and ultimately make the audience satisfaction and confidence-building, and they will stay. Space characteristics determine the venue category. Location category determines the location of the Spirit category. Place the Spirit carrier is the “place” in the “spirit”. Man-made Places are old town location of carrier, and the old town where the spirit in the hearts of people in their sense of identity and sense of belonging to a place, a sense of space. It can take various forms and means to reflect. For example, architecture, and the material of the fabric, color, and environment of the unique sounds, smells, temperature, light, etc. is all constitute a “place” spirit the main characteristics of the elements.

4.4.2 How to place the design with the practical

When the design is that in order to live, in order to built-in people’s experience, the designer has become one of the persons and their integration into the daily life of the people there, when the design of the object has a function and significance. We are party to the human nature of the space. Building in the city square, in the process of the
formation has played an important role, as the said letter in the street of the aesthetics of the said: The square in the city by various types of construction is in the city space. The functional area of the city, just ignoring the point that this, is coupled with the construction of the motivation factors, while building a large number of area record the large square, and some of them even claimed to be the largest city square in the world, such as Dalian, a coastal city, but the city the daily life of the community is not a fundamental role in removing amazing results, meaningless, because of the loss of the building, relying on square which cannot become the everyday life of the premises.

On Yan Dao Town project, the people gathered together, to open space and the public space, with a focus on to shape the experience. For example, in the old town square in front of the space in the north-west direction is one of the traditional stage, for the entire square space a public activities, it will be the stage of the activities in the surrounding area for some of the associated leisure, theater activities. First of all, the square is the Old Town Center Axis, whether or not the old town south side of the main entrance and the north of the government office building in the entrance to the main flow will conform to the road into the center square. The second, and the square and the river, the road is the main street landscape, and square to the water street a few meters high and from the square form a ladder of layers of the Lower River to the pro-water views. From the rectangular space to the waterfront area of the landscape view is the cross-cutting, the horns of the morphology of the river direction divergence. The third, Square, several construction group in the transition zone, and that several groups are relatively homogeneous, more than one in the group, so that the patterns are mainly several corners of the aggregation. In the corner of the region because of its face to the sides of the street, the business benefits are the best thing. At the regional level of the ordinary and flexible business arrangements and the layer two as a relatively fixed the food and beverage, tea and coffee making facilities, and is also the face as far as possible to the street, a direct line of sight between the United States dollar is also open to be able to see a large square.

The adoption of the some of the square space of the contact, as well as closely around the space activities of the analysis, and the Center Square several types of activity classification and decomposition, and as a whole are: theater activities, shopping, leisure and dining.

Theater Activities:
Stage mainly in the host Party to proceed with the planning and organization, have regularly in stage performances on a number of local theater as well as other performance type, it may be included with the modern art from the type. In this part of the activity on the audience from age level judgment is mainly over the age of 40, as well as middle-aged over 60 years of age, and analysis of this age group, the main preference types, traditional cultural performances are more able to wake-up the tourist town of known. In a modern world, urban life in the old town with the traditional culture is able to see that you can remember the historical image.

Business Activities:
On the square in the corner building canopies and lounge with a few of the more suitable for the business area-intensive and furnished by the State, for example, a layer of street specialty shopping storefront, tea and dinner shop (stay), a snack shop (active).

In the above analysis, there are several types of state industry co-facilitated the next to form a square around the whole of the commercial space. It can be foreseen that the scenario is, in the main square of the main theater of the public around in a street level building, ground and intermittent shopping for tourists, and through the layer two of the open wooden window, side or tea or dinner of tourists stay, the tourists through the sight path, you can see that far from the stage of the activity, the positive contact is shown in Figure 8.

Figure 8. The Space of Water Street to Theatrical Stage

The old town square center through a series of business mentality and traditional activities to attract participants and activities, as a whole, rather than being a mere activities, traditional activities and the participation of the public as to the activities, rather than cold thin so-called history of the Active Content. Through the event itself to the active participants in the interaction, activate the square around of the commercial activities, reshape public square to the common understanding, and become a place of the square.

Young people’s warm embrace, middle-aged people who have a warm conversation, the elderly of the Enron meditating with open space, the Muslims of the devout prayers... perhaps in Madrid, Spain subway cars in the most vividly described the public space of the nature and characteristics-different social groups of values, and interests in this collision. There are a discrepancy, conflict and exchange. The pluralistic and tolerant cities show Special lifestyle and social relations, and self-employed people can explore their own space, quest for freedom and happiness, surprise and discovery.
4.5 City space behavior in the old town in space performance

Urban public open space, urban physical environment in space of the part of a system of, and Guo Yan Chang, in his paper stated high-quality urban public space of the design approach, the modern urban public space in the nature and function, which are described as follows: 1) modern urban public space is a multi-level, multi-meaning, multi-function of the symbiotic systems, often set festivals, exchanges, circulation, seating, observation, shopping, entertainment, fitness, culture, education, and other functions in one; 2) urban public space, urban social, economic, historical and cultural information of the material carrier, and the accumulation of material wealth and spiritual wealth, they have from time to time communicate with the high-value information, the people read City, experience the city’s preferred site; 3) urban public spaces are the social life of the generator and the stage, their image and index finger directly affect the public’s psychological and behavior. The city of Life and the community of civilization are inseparable from public space; 4) urban public space urban image construction of the project and the focus are the improvement of urban visibility and reputation of the window area; 5) a modern urban public space is of the essence of the human body, and to promote social event of social activities.

5 CONCLUSION

Old Town in shaping belongs not only to the Natural History, and History will be the history of wind and rain wasting etched in different periods of the traditional building in a traditional old town public space. You can also use the city in the design of the method, using the old town space real demand, the traditional architecture of the control, shaping the appropriate behavior. On this point, it is our attention to modern public and we often use public function space.

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