



2016, ISOCARP AWARDS FOR EXCELLENCE

**Promote the Revival of Old Urban Area by improving street public spaces
——Wuhan·Zhongshan Avenue District Renewal Planning**

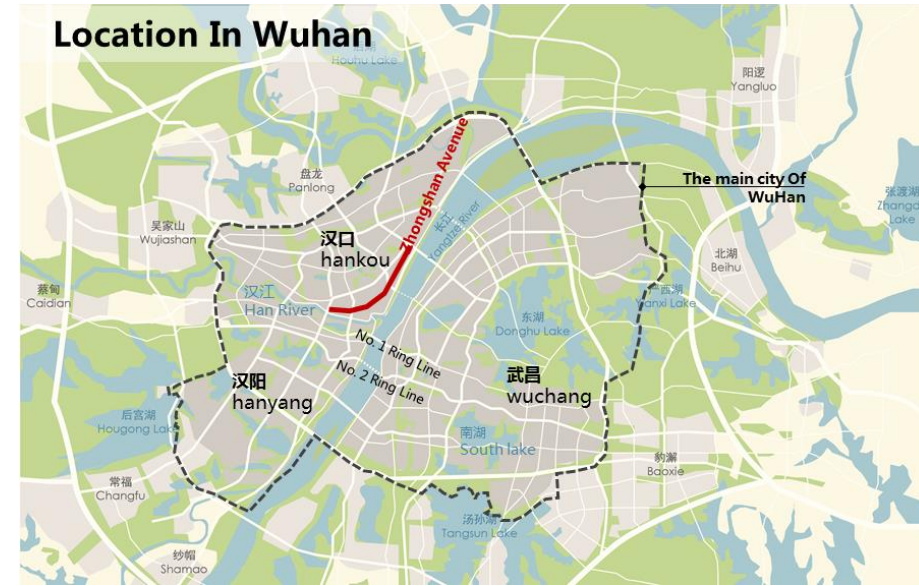
Wuhan Land Resources and Planning Bureau
Wuhan Land Use and Urban Spatial Planning Research Center
Wuhan Planning & Design Institute
Ben Wood Studio Shanghai, LLC

CONTENT AND CONTEXT OF THE PROJECT

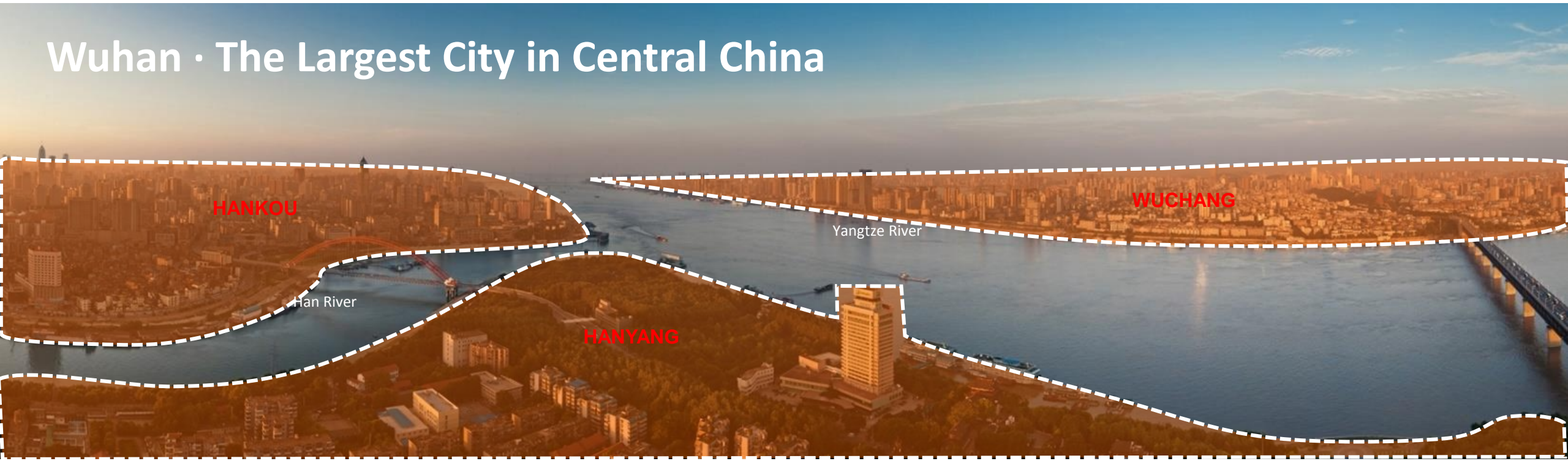
Wuhan

Wuhan is the core city in the middle China, and has about 8494 square kilometers total area, over 10 million population.

Wuhan is divided into three towns—Hankou, Wuchang, and Hanyang, by the Yangtze River and Han River.



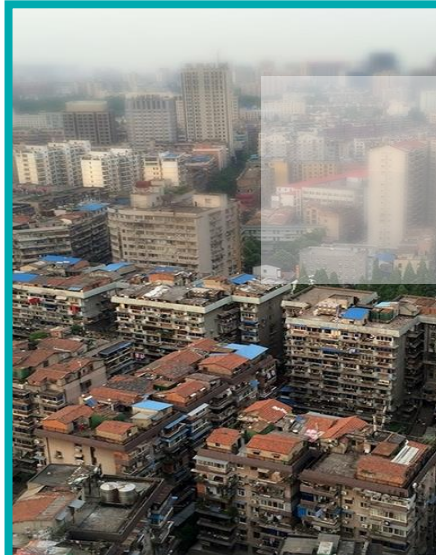
Wuhan · The Largest City in Central China



CONTENT AND CONTEXT OF THE PROJECT

Urban Planning and Construction in Wuhan

It is in a new stage that trying to adapt to the international general guideline, and carry out national transition, reform, and organic renewal. How to build a more intense layout, more inclusive society, and more integrative city, and promote the sustainable development of the city, is one of the challenges that Wuhan is confronted with.



Old Residential Area

66 million m²



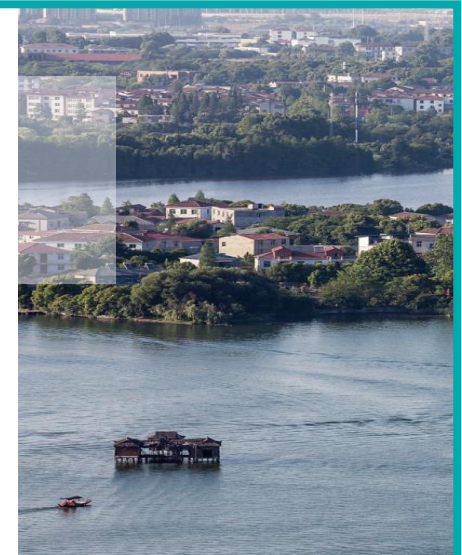
Old Industrial Area

72.5 km²



Historical Districts

24 km²

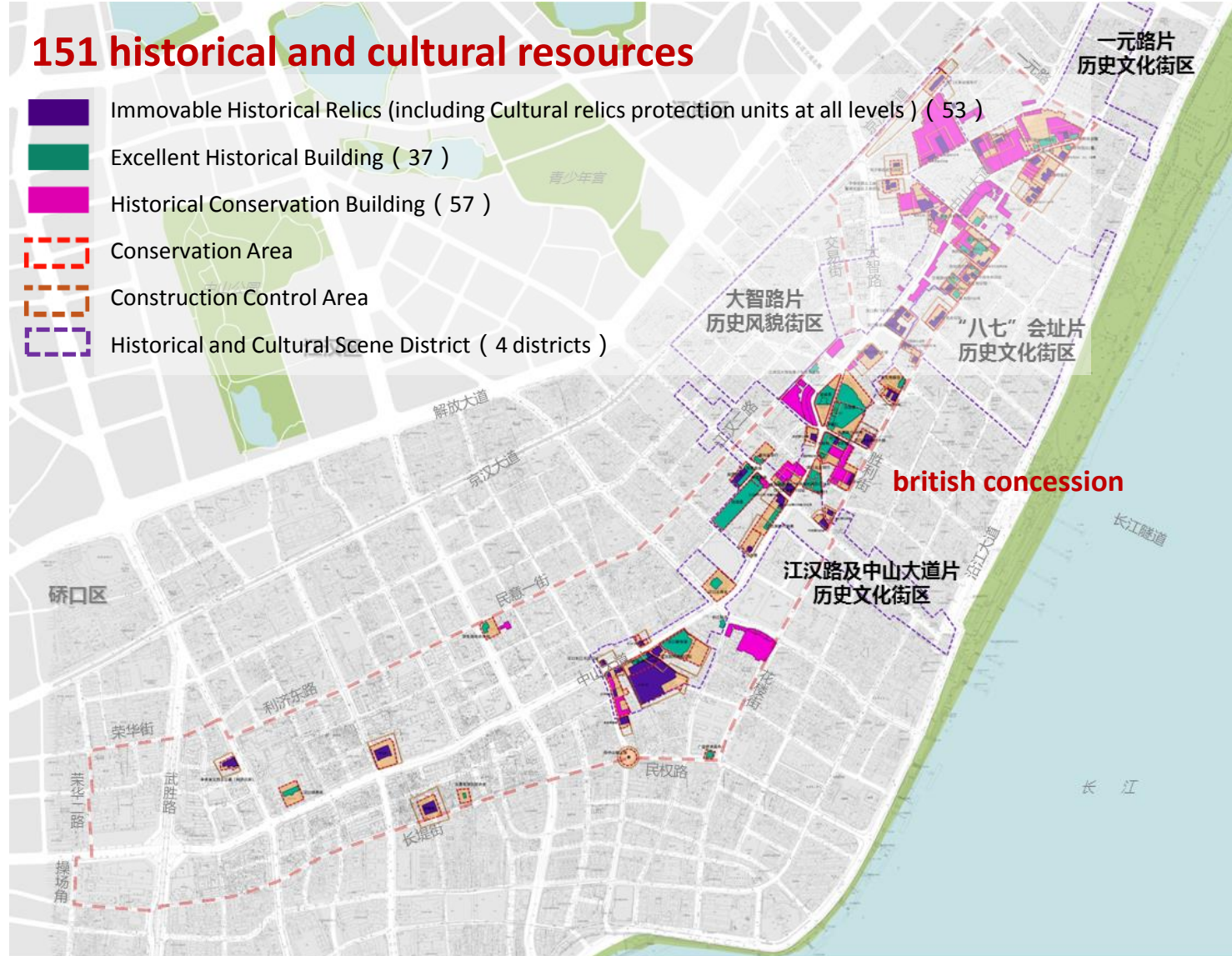


Ecological District

249 km²

CONTENT AND CONTEXT OF THE PROJECT

Zhongshan Avenue is located in the vanished wall of old Hankou, and has a history of over 100 years since the wall changed into road. There are 151 of historical and cultural resources, with many commercial zones linked still in vitality.

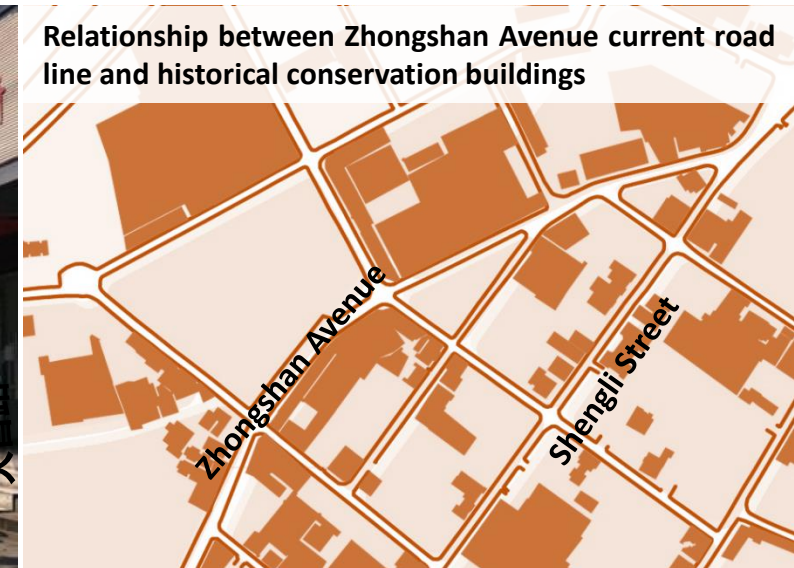


CONTENT AND CONTEXT OF THE PROJECT

Currently, Zhongshan Avenue has the responsibility to carry large amount of south-north passing traffic. Vehicles and pedestrians share the same road, so it is not very safe for the pedestrian to cross the street, sometimes the traffic there even in chaos.



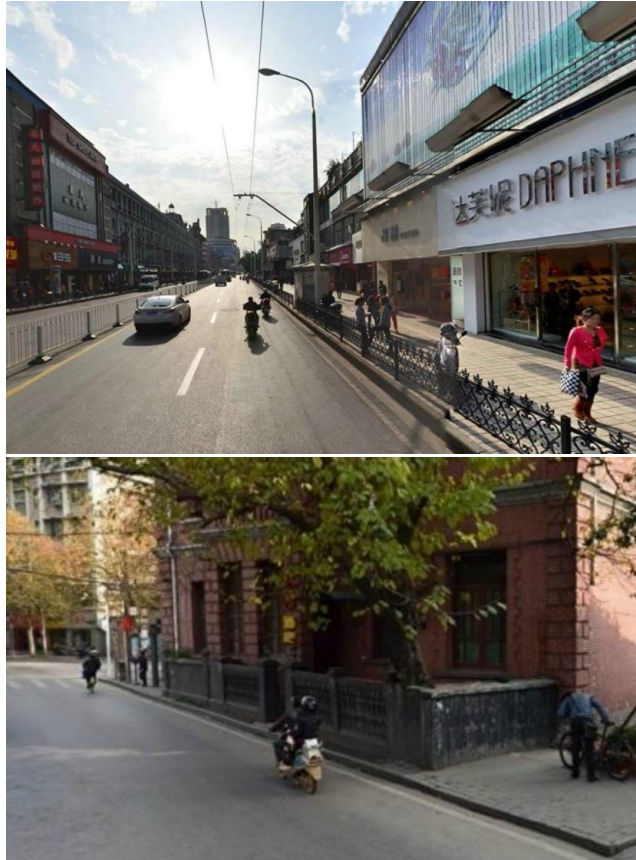
- **Through traffic accounts for 42%**



CONTENT AND CONTEXT OF THE PROJECT

The commercial vitality there is slowly decreasing, protection of the historical buildings is inappropriate, and there is not enough consideration about the humanization of the street environment.

Insufficient public spaces



Lack of protection for historical buildings



Low-quality business along the street



CONTENT AND CONTEXT OF THE PROJECT

In 2014, Wuhan Metro line 6 was beginning to under open-cut construction and set stations along the Zhongshan Avenue. We take this opportunity of the close down of the street, and carry out the street public space improvement plan of Zhongshan Avenue.

The planning construction area is about 4.7 kilometers in length, and 2.54 square kilometers in floor area.

Overall Planning Area

From Yiyuan Road to Wusheng Road, 4.7 kilometers in total, main research content includes: land development, business type improvement, road traffic and landscape structure.

Main Redevelopment and Design Part

From Yiyuan Road and Qianjin First Road, 2.8kilometers in total, design content includes: street space reconstruction, street section redevelopment, greening and environmental facilities etc.



Better Street · Better Life

this project is trying to build a **‘public traffic street’**, and transfer the Zhongshan Avenue into
a culture tourism street mixed with public spaces and vigorous city life

It will become a vital link to stimulate quality of life in the Hankou old town and promote the cohesion of the whole society.



CONTENT AND CONTEXT OF THE PROJECT

A. Underline the public transportation and slow-pace travel, reduce the use of small vehicles

Considering the features of the phased traffic function, this project carries out various street section reform, re-divide the right of the street, gives the priority back to the pedestrian and public transportation, aimed to provide a successive walking space for the citizens.



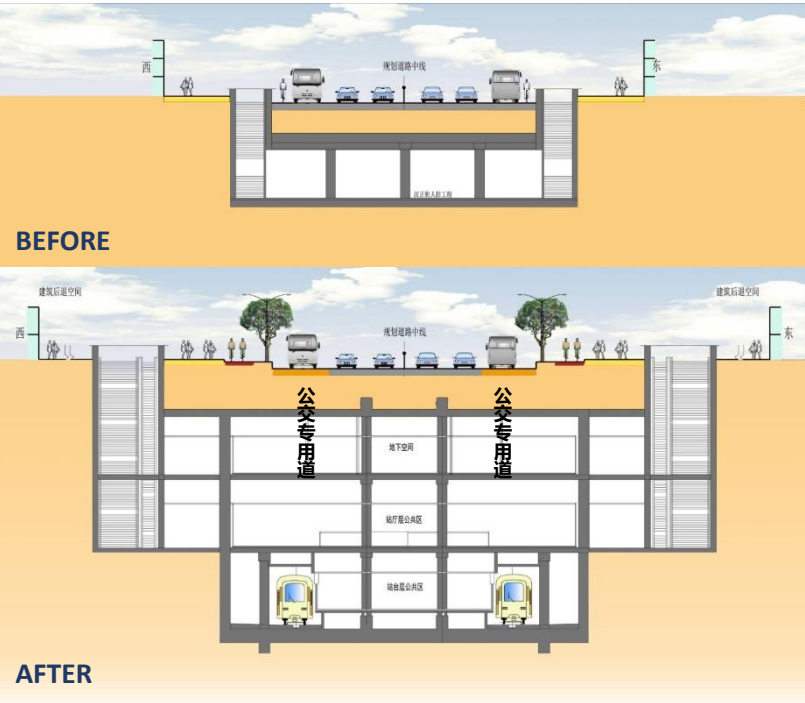
CONTENT AND CONTEXT OF THE PROJECT

A. Underline the public transportation and slow-pace travel, reduce the use of small vehicles

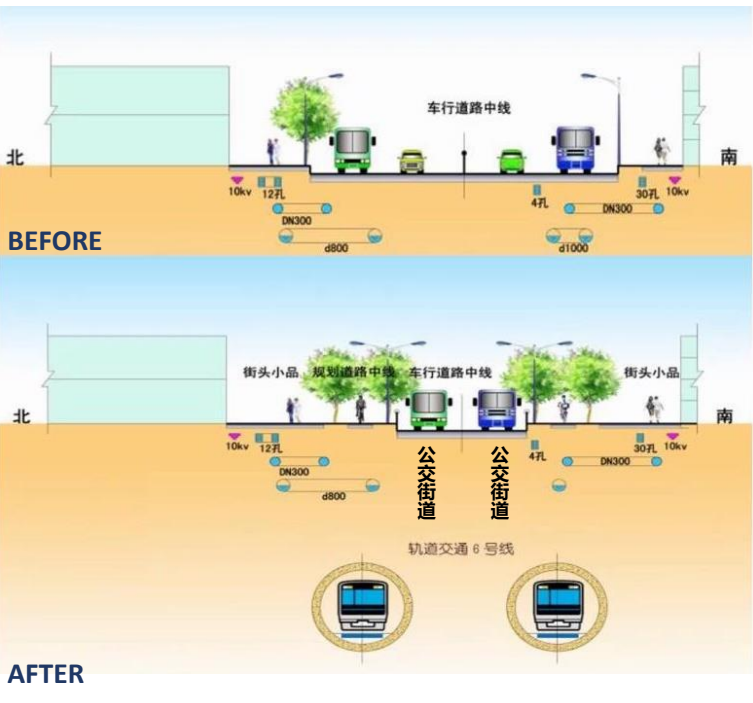
West Zhongshan Avenue, ensure the walking space is more than 5 meters wide; Middle Zhongshan Avenue, cut down the current 4 lanes into 2 lanes driveway, turning the extra space into pedestrian space and outdoor leisure space which is not less than 8 meters wide; East Zhongshan Avenue, cut down the current 2 or 4 lanes into 2 lanes driveway, and expand the pedestrian space from the current 1-3 meters wide into 3-7 meters wide.



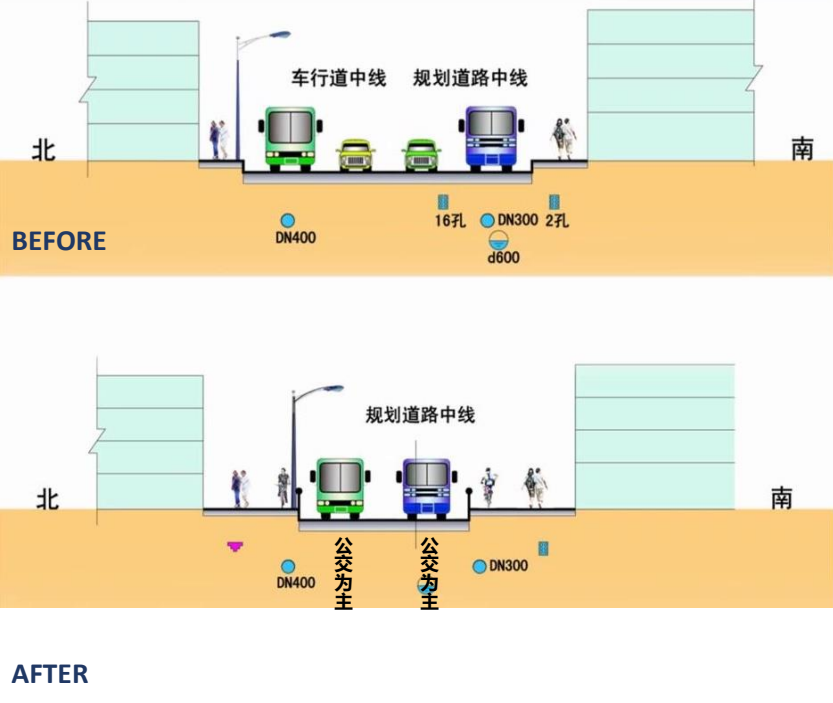
Western Section—Bus Lane



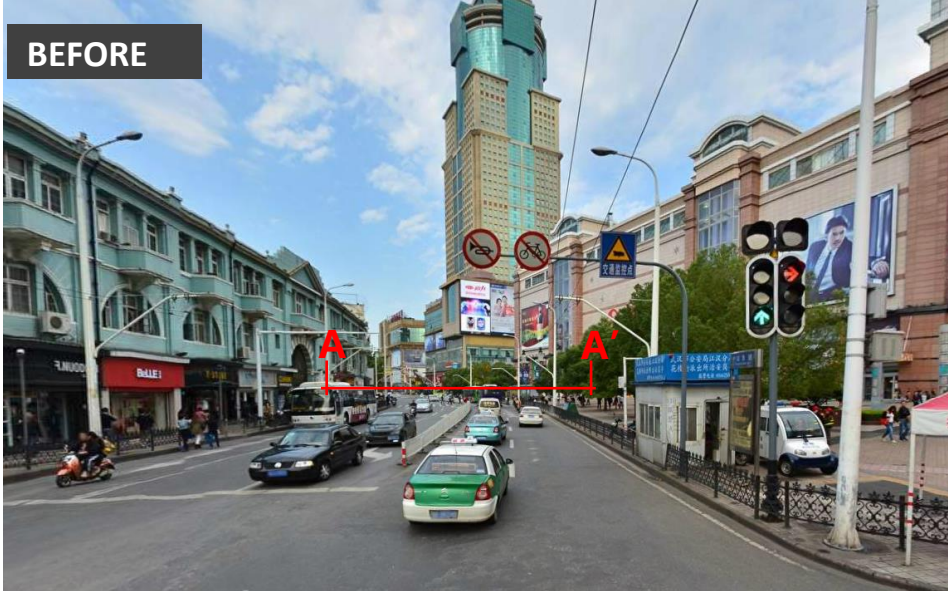
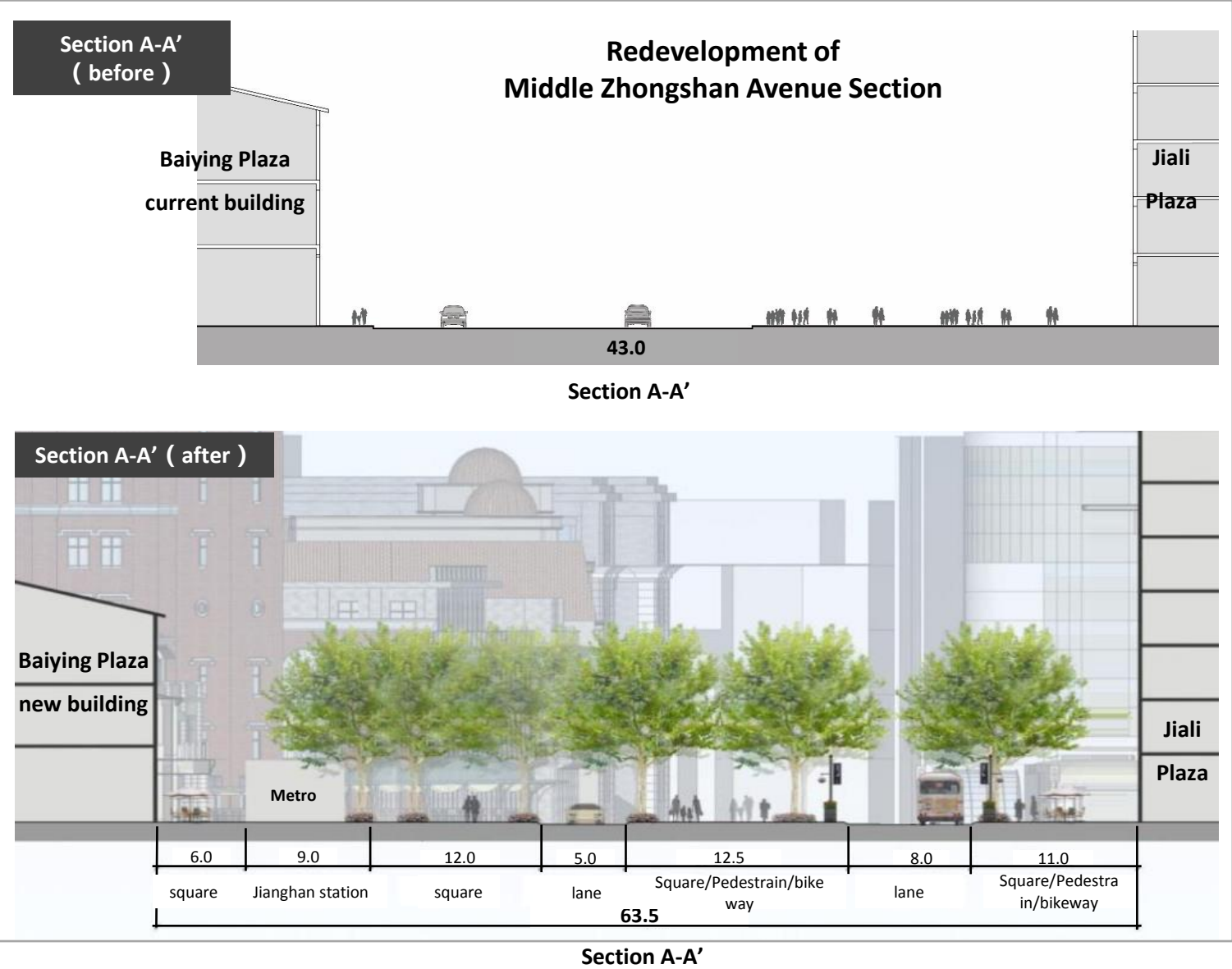
Middle Section—Bus Street



Eastern Section—Bus-oriented



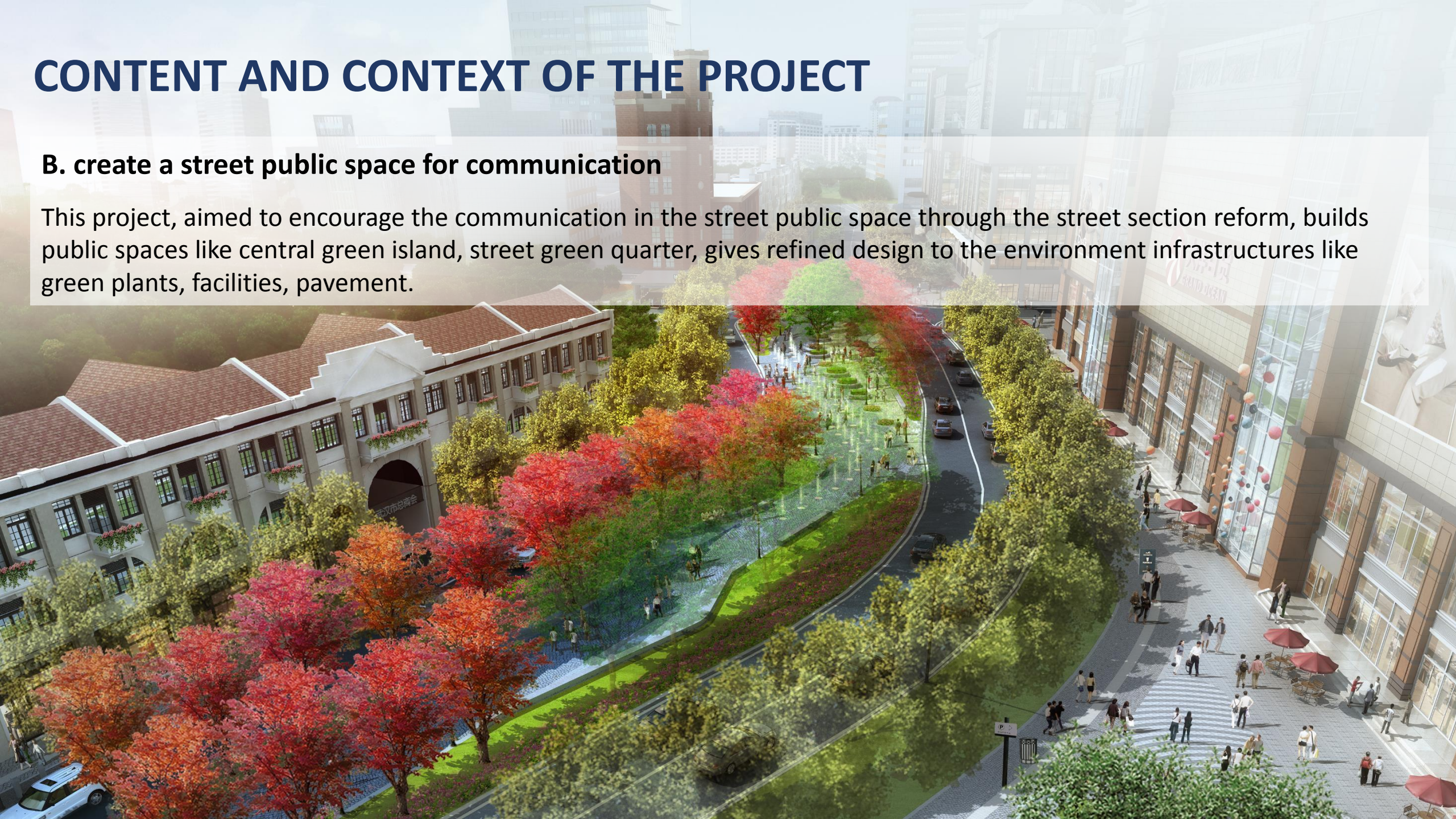
CONTENT AND CONTEXT OF THE PROJECT



CONTENT AND CONTEXT OF THE PROJECT

B. create a street public space for communication

This project, aimed to encourage the communication in the street public space through the street section reform, builds public spaces like central green island, street green quarter, gives refined design to the environment infrastructures like green plants, facilities, pavement.



CONTENT AND CONTEXT OF THE PROJECT

B. create a street public space for communication

emphasis on the construction of public space node like the gallery culture square, water tower, art market, the boulevard with plane trees.

- 5** Large leisure squares
- 3** Boulevards with different characteristics
- 13** Streets and community gardens
- 10000** Sqm public spaces



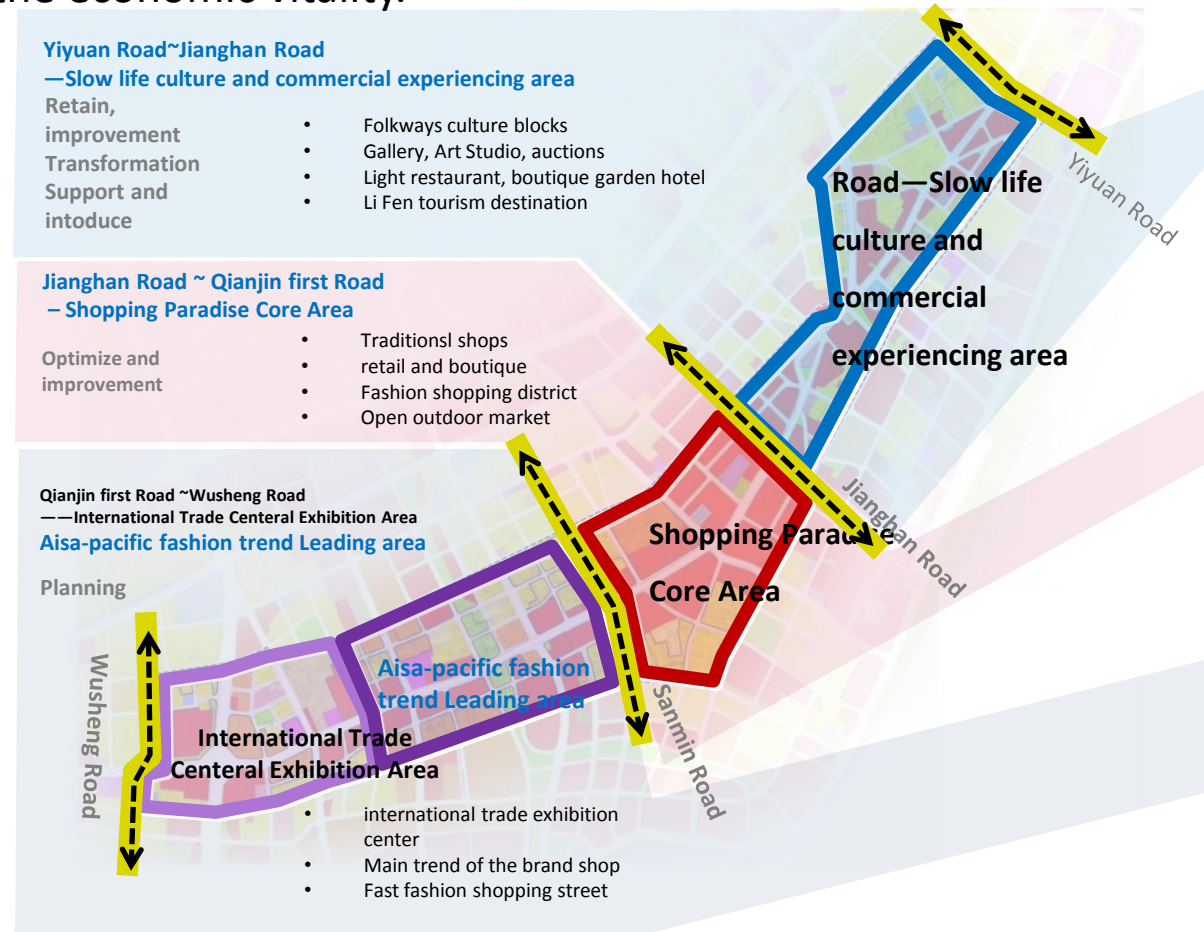
CONTENT AND CONTEXT OF THE PROJECT

C. Mixed commercial forms, promote the economic vitality of the street block

This project cooperates with the district government, plans to carry out reform of the dated infrastructures and old buildings in the old communities along the street, to introduce the culture industry, time-honored brands, and leisure tourism commercial forms, to encourage mixed relocation of different commercial types, to increase the diversity of the street commercial form, and to promote the economic vitality.

Update the commercial form, increase the economic activities

Mixed commercial form, promote business prosperity

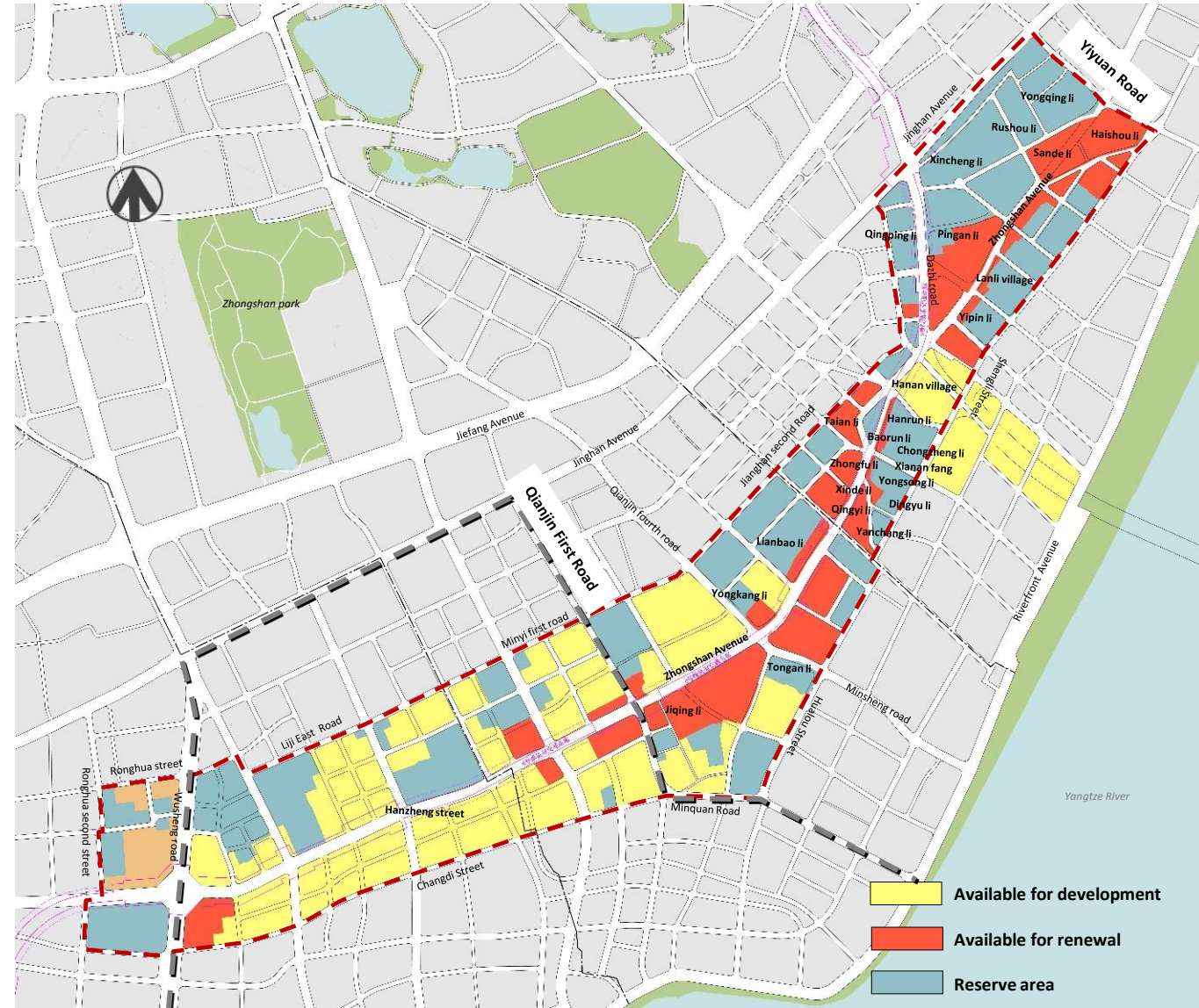


CONTENT AND CONTEXT OF THE PROJECT

D. Community development, enhance the inclusiveness

The plan includes the improvement and redevelopment of 32 old communities along the street, and the redevelopment ratio is controlled under 20%.

20% Ratio control of new development



CONTENT AND CONTEXT OF THE PROJECT

D. Community development, enhance the inclusiveness

This project is committed to improve the living condition, and maintain the original residents.



Taian Li (Before)



Taian Li (After) : add green and leisure sidewalk cafes



Baoyuan Li (before)



Baoyuan Li (before)



Baoyuan Li (after) : Change the ground floor function of buildings line on the alleys inside of li-fen residence, recover the facade to original appearance.



Baoyuan Li (after) : add founction on tiny frontage space, create attractive environment

CONTENT AND CONTEXT OF THE PROJECT

D. Community development, enhance the inclusiveness

The plan emphasizes the residential units with “narrow street, small neighbourhood”, reforms the historical buildings and surrounding small spaces, creates a shared community service space, encourages the communication and integration between the social strata, and provides more job opportunities for the local residents.



CONTENT AND CONTEXT OF THE PROJECT

E. Participatory planning to reduce spatial isolation

- **design alliance**
- **chief expert system**
- street showcase
- public participation
- internet platform



CONTENT AND CONTEXT OF THE PROJECT

E. Participatory planning to reduce spatial isolation

- design alliance
- chief expert system
- **street showcase**
- **public participation internet platform**



public participation internet platform
—Public Planning Wuhan



MAIN FEATURES OF THE PROJECT

1. Focus on the public space, create the first street in Wuhan which combines the public space and street life.



MAIN FEATURES OF THE PROJECT

2. After the transformation, the street will give the priority to the public transportations and pedestrians, reduce the use of small vehicles in order to decrease the urban carbon emission.



Liuduqiao metro station

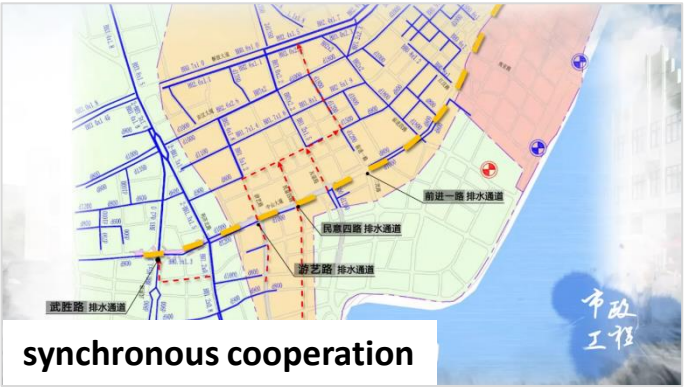
MAIN FEATURES OF THE PROJECT

3. the project maintain the local residents as initial consideration, which are the carrier of urban culture and memory.



MAIN FEATURES OF THE PROJECT

4. Planning cooperation and public participation
synchronous cooperation among multi-subjects,
like landscape, historical buildings protection,
and urban development , etc. and create multi-
methods to ensure the information access and
participation of the local residents along the
street.



EXPECTATIONS AND FUTURE PROJECTS

- In December, 2014, Wuhan local government launched this plan
- So far, we are working on the historical building refurbishment, landscape construction, civil facilities construction, and investment promotion, etc.
- The construction will be expected to be finished and open to the public again around December 2016.



EXPECTATIONS AND FUTURE PROJECTS

Next Plan

Zhongshan Avenue will be set as the pilot project, and other historical blocks regeneration work will be start soon afterwards, and then, lead the revive of the whole old Hankou area and even the whole city.



An aerial photograph of a city street, likely Zhongshan Avenue, showing a mix of modern and traditional architecture, green spaces, and pedestrian-friendly infrastructure. The street is lined with trees and has a curved section in the foreground. Buildings of various heights and styles are visible on both sides of the street.

CONCLUSIONS

Zhongshan Avenue District Renewal Planning

explore a new spatial carrier for the revive of
urban society, economy, and culture

- Practice the 'people-oriented' transport concept into the street space reform.
- Encourage the concept of 'street for communication' during design, combine the public life with the street space organically.
- Sharing and inclusiveness of the communities. Based on diversity and inclusiveness, we hope to create a space which can exhibit the culture, demolish the isolation, and achieve the social integration in the end.
- Planning cooperation and public participation.

Thanks for listening !

Promote the Revival of Old Urban Area by improving street public spaces
——Wuhan·Zhongshan Avenue District Renewal Planning

