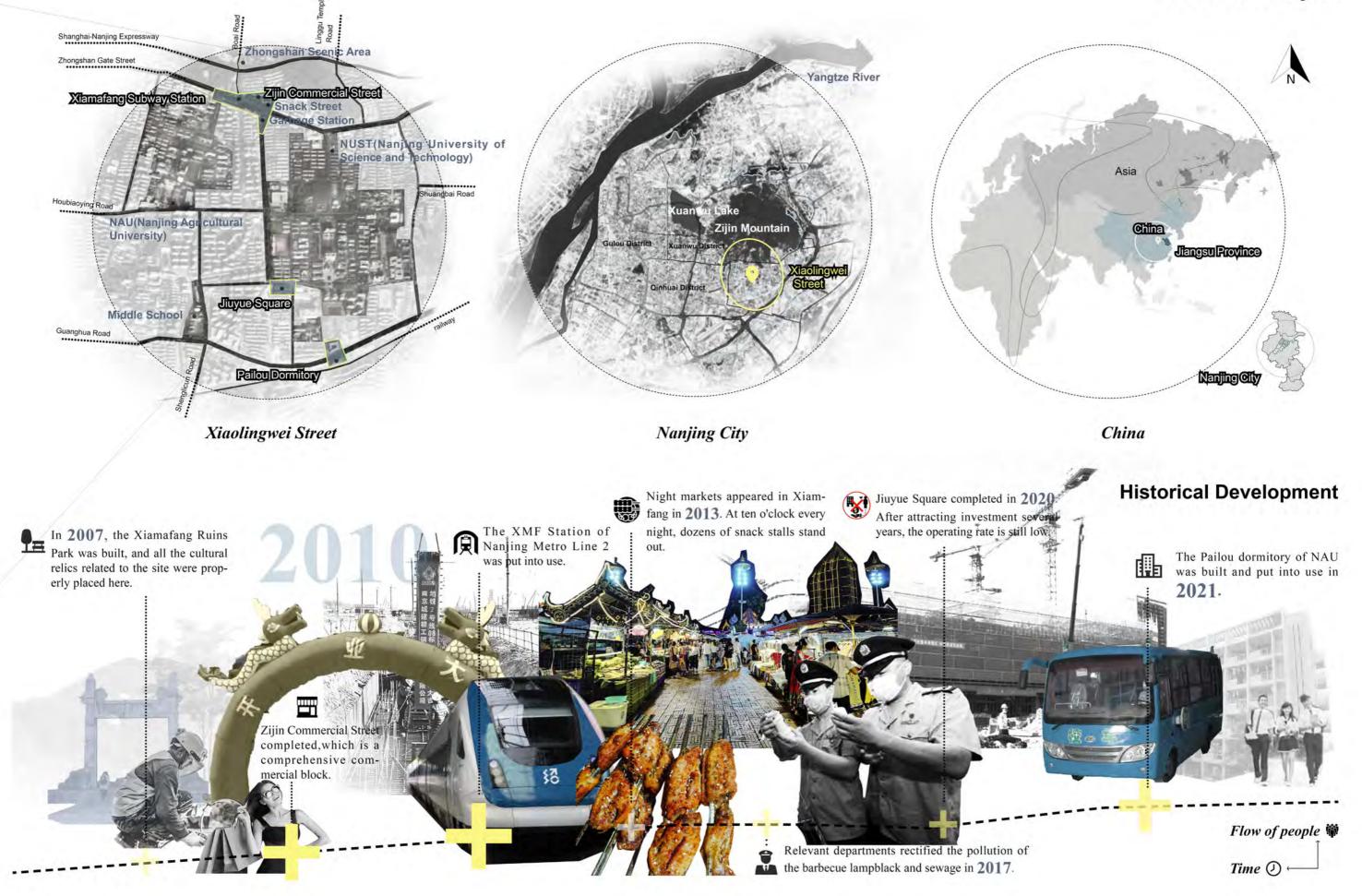
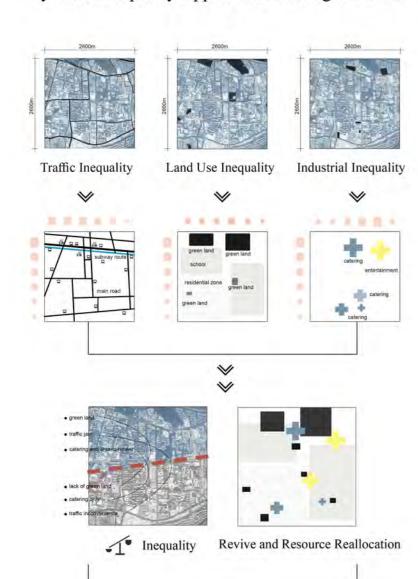


Location Analysis



GRID SYSTEM STUDY

Dynamic Inequality Appears in Xiaolingwei Street



STRATEGY

Industrial Equality



Meet the needs of citizens for various daily activities.

Climate Block





Committed to creating a scientific and sustainable shopping street.

Smart Transportation







Improve the infrastructure and operation efficiency of the urban transportation system.

Strategy 1 Industrial Equality

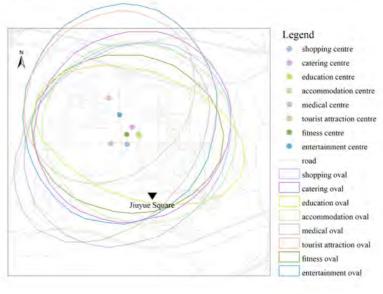
Reason for the Deserted Commercial Complex--Jiuyue Square

Main Business Pattern

Business Mood	Case Number	Percentage
Shopping	711	32.8%
Catering	563	26.0%
Scientific Culture Education	412	19.0%
Accommodation	287	13.2%
Medical & Health	75	3.4%
Tourist Attractions	43	2.0%
Exercise & Fitness	40	1.8%
Entertainment	36	1.7%
Total	2169	100%

Through the analysis of POI data, it can be found that the main type of business is catering and shopping, with less leisure and fitness. The distribution centers of all types are concentrated in the northwest corner of the base.

Ellipse Analysis of Standard Deviation of Living Service Industry





Impact of the epidemic

Enrich the Types of Shops





Add leisure and entertainment shops: massage shop, private cinema, pet shop, gym, chess room.

Add various shop-

ping stores: cloth-

Retain some orig-

inal restaurants,

enrich the types of food and beverage outlets: milk

tea shops, dessert

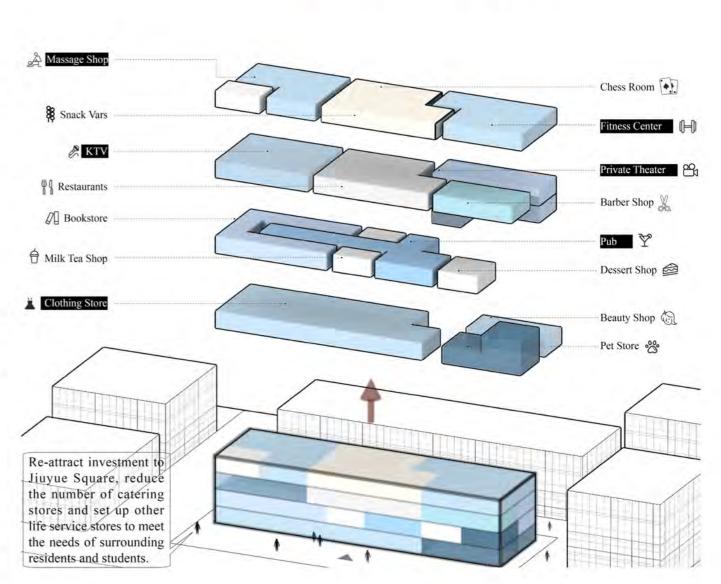
shops, bars.



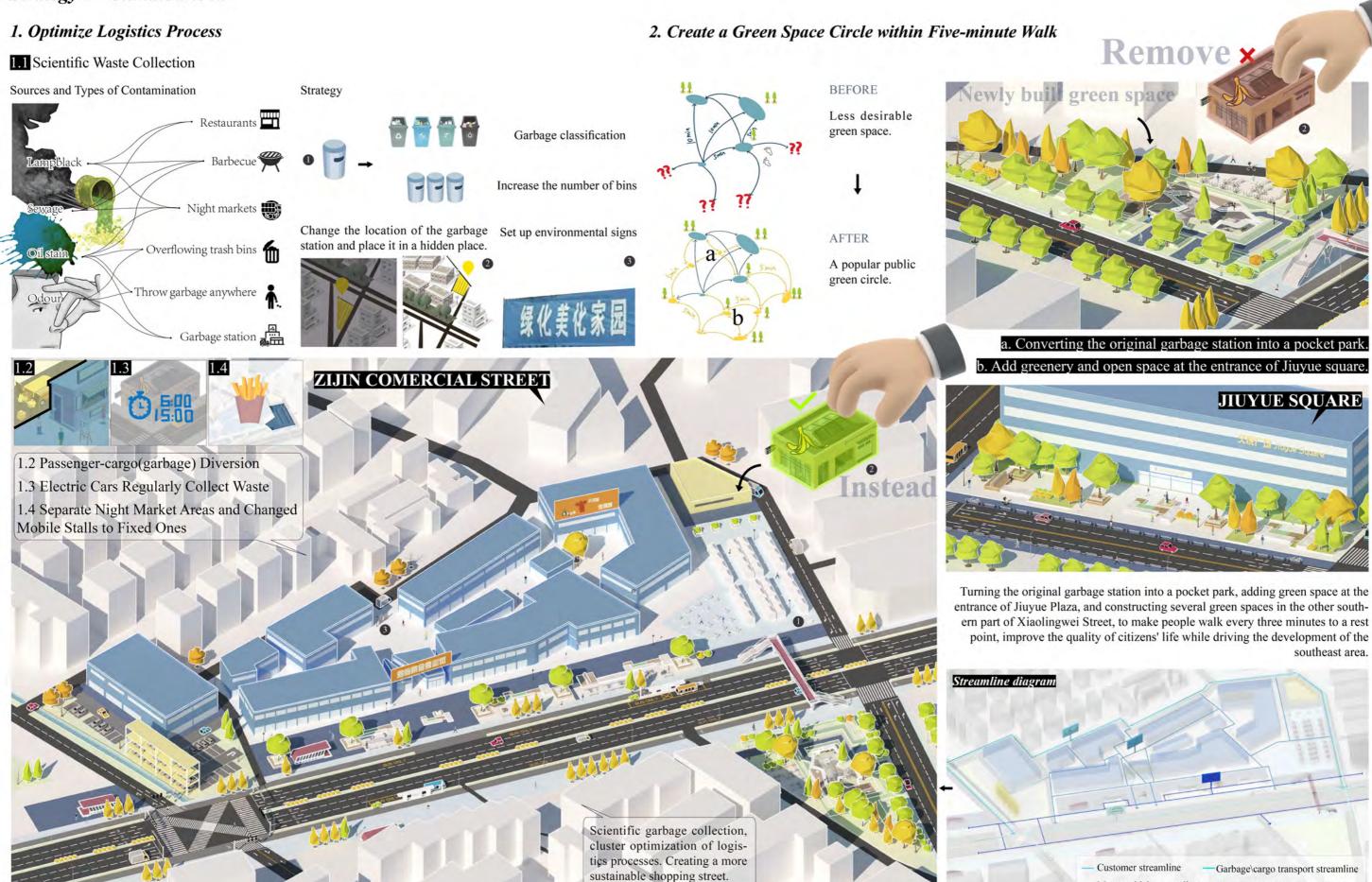
Entertainment Shops

Shopping Stores

ing stores, beauty stores, bookstores, barbershops.



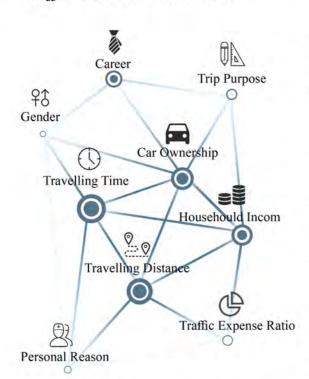
Strategy 2 Climate Block



Motor vehicle streamline - Non-motor vehicle streamline

Strategy 3 Smart Transportation

Traffic Mode Selection Tree



Citizens' choice of travel mode is influenced by several factors. Walking, electric vehicles, and subway bike sharing are the main ways to travel.

Traffic Mode Choices 1

WALK Capacity:1 people Case number:13502 Percentage:20.5%

E-BIKE 2 Capacity: 1-4 people Case number:8457

Percentage:20.8%

BICYCLE 3 Capacity:1-2 people Case number:8050

SUBWAY

Capacity:1200-1500 people Percentage:19.8% Case number:6840

3 Capacity:2-4 people Case number:5642 Percentage:12.6%

6 Capacity:40-50 people Case number:4916 Percentage:10.7%

SCHOOL BUS O Capacity:20-45 people Case number: 1500 Percentage: 3.3%

MOTOECYCLE Capacity:1-2 people Case number:1250 Percentage:3.0%

The subway carries the

bus will switch to other modes of

transportation, which cost a lot.

Strategy Generating

METHODS

· Improve Infrastructure:

· Smart Transportation:

School Bus Booking Plantform 8+3. Private Car Pooling Program

Encourage Non-motorized Vehicles

Encourage Non-motorized Vehicles

Multi-storey Comprehensive Traffic

ive Traffic

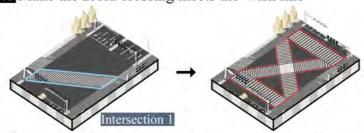
Citizer · Citizen-friendly

Bus Rapid Transit

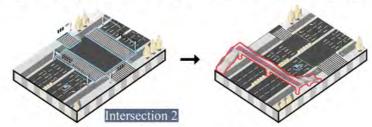
STEP 1. Improve Infrastructure

1. Encourage Walking

1.1 Make the zebra crossing meets the 'wish line'

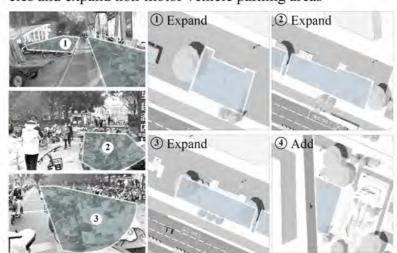


1.2 Set up a pedestrian bridge to relieve the flow of people

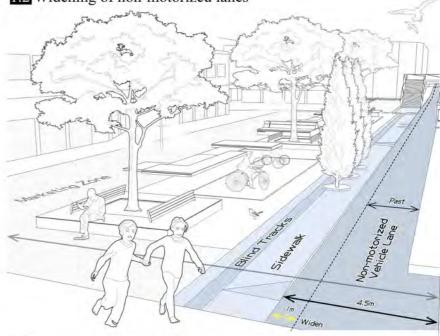


2. Encourage Non-motorized Vehicles

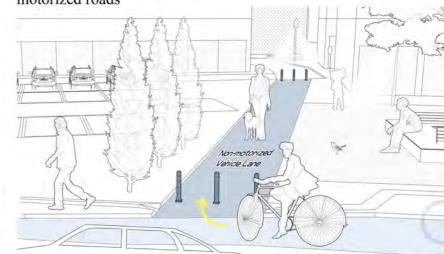
III Increase the number of parking spots for shared bicycles and expand non-motor vehicle parking areas



1.2 Widening of non-motorized lanes



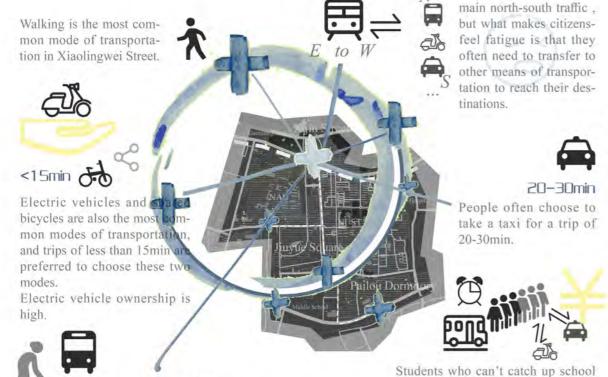
1.3 Increase the length of motorway lanes by providing nonmotorized roads



Traffic Pattern Study in Xiaolingwei Street

The elderly and children

choose more buses.

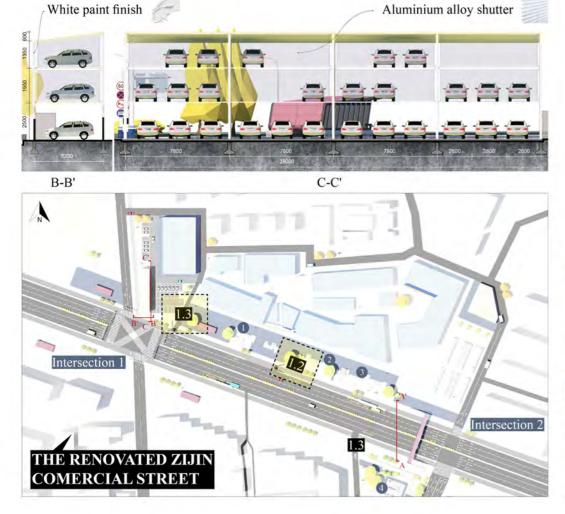


3. Multi-storey comprehensive traffic structure

1.1 Flyover - City road - Subway

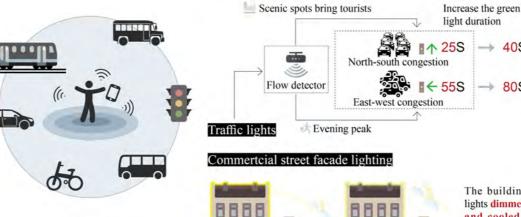


A-A'
1.2 Trilaminar mechanical parking garage



STEP 2. Smart Transportation

1. Intelligent lighting adjustment





The building lights dimmed and cooled, then divers' attention was drawn to the road.

2. School bus booking platform



3. Uber pooling program



4. Bus Rapid Transit (BRT)

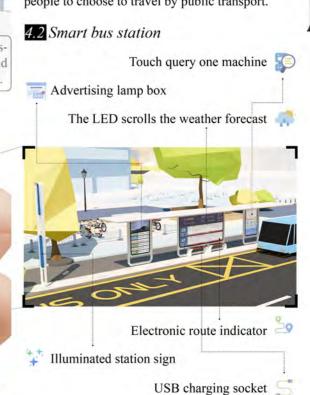
SERVICE



4.1 Exclusive bus lane

06:00-09:30	Morning peak	BUS ONLY
11:30-12:30	Noon peak	- 6
17:00-19:30	Evening peak	1

In the following time periods, buses have independent right of way, and other vehicles are prohibited from driving in the bus lane, so as to improve the efficiency of bus operation and promote people to choose to travel by public transport.



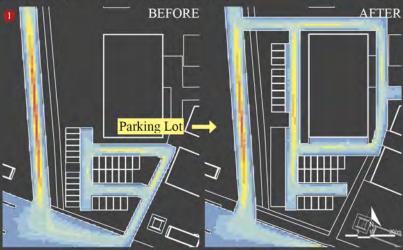
Crowd Aggregation Analysis



Depthmap was used to analyze the degree of people gathering in the blocks before and after the design.

The results showed that the blue color at intersections 1 and 2 became darker, which proved that the zebra crossing transformation and the assumption of the overpass could effectively alleviate the congestion.

Besides, the red area at the gate of the block is reduced, which proves the rationality of increasing the non-motor vehicle parking area and hard area and dividing the separate night market area.



2. Aggregation analysis of vehicle flow 😝

The decrease in the red area and the increase in the dark blue area prove that increasing the length of motor vehicle lanes and building three-dimensional parking lots can reduce the concentration of vehicles.

