

Infrastructure Development in China: The Six Roads of Chongqing

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CERTIFICATE OF ORIGINAL AUTHORSHIP

I certify that the work in this thesis has not previously been submitted for a degree nor has it been submitted as part of requirements for a degree except as fully acknowledged within the text.

I also certify that the thesis has been written by me. Any help that I have received in my research work and the preparation of the thesis itself has been acknowledged. In addition, I certify that all information sources and literature used are indicated in the thesis.

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Abbreviations

ABC	Agricultural Bank of China
AMC	Asset management corporations
BNA	Binhai New Area
BT	Build and transfer
BOT	Build, operate and transfer
BOC	Bank of China
CADZ	Chongqing Airport Development Zone
CBWR	Chongqing Bureau of Water Resources
CCOB	China Construction Bank
CCB	Chongqing Communications Bureau
CHCB	Chongqing Construction Bureau
CCP	Chinese Communist Party
CDB	China Development Bank
CDIC	Chongqing Development Investment Corporation
CEIC	Chongqing Energy Investment Corporation
CEDC	Chongqing Expressway Development Corporation
CETDZ	Chongqing Economic Technology Development Zone
CFB	Chongqing Financial Bureau
CHTDZ	Chongqing High-Tech Development Zone
CIC	China Investment Corporation
CRBCL	Chongqing Road & Bridge Company Limited
CRC	China Railway Corporation
CQREG	Chongqing Road and Engineering Group

CREG	Chongqing Real Estate Group
CSASAC	Chongqing State-Owned Assets Supervisory and Administrative Commission
CTTIC	Chongqing Transportation and Tour Investment Company
CUCIC	Chongqing Urban Construction Investment Corporation
CWWCG	Chongqing Water Works Controlling Group
CWRIC	Chongqing Water Resources Investment Company
FCC	Financial complementary conglomerates
FDI	Foreign direct investment
GCC	Guangdong Communications Corporation
GDP	Gross domestic product
GFCF	Gross fixed capital formation
ICBC	Industrial and Commercial Bank of China
LDC	Land developer corporation
LDFP	Lianglu Duty Free Port
LJIDZ	Liang Jiang International Development Zone
LJNA	Liang Jiang New Area
LJICZ	Liang Jiang International Center Zone
LZNA	Lanzhou New Area
MOC	Ministry of Communications
MOF	Ministry of Finance
NENP	National Expressway Network Plan
NDRC	National Development and Reform Commission
NNZ	New North Zone
NPL	Non-performing loans
PBOC	People's Bank of China

PNA	Pudong New Area
PRC	People's Republic of China
RCC	Rural Credit Cooperatives
RMB	Renminbi or <i>yuan</i>
SAIC	Shanghai Automobile Industry Corporation
SASAC	State-Owned Assets Supervision and Administration Commission
SCCC	Shaanxi Communications Construction Corporation
SEZ	Special economic zone
SJC	Shanghai Jiushi Corporation
SOE	State-owned enterprise
SSASAC	Shanghai State-Owned Assets Supervision and Administration Commission
SUCIC	Shanghai Urban Construction Investment Corporation
TUIDIC	Tianjin Urban Infrastructure Development and Investment Corporation
TVE	Township and village enterprise
USD	United States dollar
XXNA	Xixian New Area
ZNA	Zhoushan New Area

Glossary of Chinese terms

badatou 八大投 the big eight investment corporations

bangxiaoshi zhu cheng baxiaoshi Chongqing 半小时主城, 八小时重庆 half hour main city, eight hours Chongqing

baomao gaosu 包茂高速 G65 Inner Mongolia-Guangdong Expressway

beiyi nankuo xituo dongjin 北移 南扩 西拓 东进 move to the north, extend to the south, expand to the west and enter the east

chanye 产业 industry

chengyu gaosu 成渝高速 G93 Chongqing-Chengdu Expressway

Chongqing jingyan 重庆经验 Chongqing experience

Chongqing moshi 重庆模式 Chongqing model

Chongqing raocheng gaosu gonglu 重庆绕城高速公路 Chongqing ring road expressway

Chongqing shi chengshi zongti guihua 重庆市城市总体规划 Chongqing city urban master plan

Chongqing shi guoyou zichan jiandu guangli weiyuan 重庆市国有资产监督管理委员会
Chongqing State Owned Assets Supervision and Administration Commission

cun dao 村道 village road

da chengshi liliang dai da nongcun qu 大城市的力量带大农村去 the big city that leads the big villages

daikuan xiulu shoufei huankuan 贷款修路, 收费还款 obtaining loans to develop roads and collecting fees to pay loans

danwei 单位 work unit

dao 道 road

dijishi 地级市 prefecture-level city

diya 抵押 mortgage

dou shi fa da jing ji quan 都市发达经济圈 metropolitan advanced economic sphere

duan 段 expressway segment

erji gonglu 二级公路 second grade highway

er huan 二环 second ring road

fusheng ji shi 副省级市 sub-provincial level cities

fuxian 复线 subsidiary line (expressway)

gaige kaifeng 改革开放 reform and opening

gaosu gonglu 高速公路 expressway

gaosu gonglu jingying gongsi 高速公路经营公司 expressway operator companies

gonglu 公路 highways

gongye yuanqu 工业园区 industrial park

gongye chanye yuan qu 工业产业园区 industrial production park

gudao yishi 孤岛意识 island consciousness

gufen youxian gongsi 股份有限公司 stock holding corporations

ji 级 grade (of road)

guojiaji jingji jishu kaifaqu 国家级经济技术开发区 national economic and technological development zone

guojia ji xinqu 国家级新区 national-level new area

guojia zhongxin chengshi 国家中心城市 national central cities

guojiaji pinkunxian 国家级贫困县 national-level impoverished counties

hou huayuan 后花园 backyard (in relation to the main urbanized area of Chongqing)

hurong gaosu 沪蓉高速 G42 Chengdu-Shanghai Expressway

huyu gaosu 沪渝高速 G50 Chongqing-Shanghai Expressway

jiating lianchan chengbao zeren zhi 家庭联产承包责任制 household responsibility system

jiedao 街道 street committee

jingji tebie qu 经济特别区 special economic zone

jijin yusuan shouru 基金预算收入 government-funded budget revenue

lanhai gaosu 兰海高速 G75 Gansu-Hainan Expressway

longtou zai Shanghai, longyi zai Chongqing 龙头在上海, 龙尾在重庆 the head of the dragon in Shanghai, the tail of the dragon in Chongqing

mu gongsi 母公司 parent company

neihuan 内环 first ring road

nianfei piao 年费票 one year toll ticket

putong guo dao 普通国道 standard national road

qu 区 districts

renminbi 人民币 Chinese national currency

sanda huolu 三大火炉 three furnace cities

san huan shi she duo lian xian 三环十射多联线 three rings, eleven radiants, multiple lines policy

sanji gonglu 三级公路 third grade highway

sanlunche 三轮车 tuk-tuks

santian Chongqing 三天重庆 three days Chongqing

san xian 三线 Third Front

sanxia shuiku 三峡水库 Three Gorges Dam water reservoir

shan cheng 山城 city of mountains

shanshui zhi cheng 山水之城 city of mountains and rivers

sheng dao 省道 provincial road

shiye 事业 utility

shizhongshi 市中市 city in a city

siji gonglu 四级公路 fourth grade highway
siji gonglu 四级公路 fourth grade roads
si da yin 四大银 the big four banks
si xiaoshi Chongqing 四小时重庆‘four hours’ Chongqing
tou zi rong zi ji tuan 投资融资集团 local investment companies
Wanxian yimin kaifaqu 万县移民开发区 Wanxian migrant development zone
Wanzhou yimin kaifaqu 万州移民开发区 Wanzhou migrant development zone
xisanjiao 西三角 triangle of the west (Chongqing-Chengdu-Xian)
xian 县 counties
xiang 乡 township
xiang dao 乡道 township road
xian dao 县道 county road
xianjishi 县级市 county level cities
xibudakaifa 西部大开发 open up the West campaign
xijin jiqi 吸金机器 cash hoover
xingzhengqu jingji 行政区经济 administrative area economy
yiban yusuan shouru 一般预算收入 general budgetary revenue
yicheng yi jiao 一城一交 one city, one communication
yijiang liangyi sanyang 一江两翼三洋 one river, two wings and three oceans
yiquan liangyi 一圈两翼 one ring, two wings
yilu yi gongsi 一路一公司 one road, one company
yiji gonglu 一级公路 first grade highways
yi xiaoshi jingjiquan 一小时经济圈 one hour economic sphere

yukun gaosu 渝昆高速 G85 Chongqing-Kunming Expressway

yuxinou guoji tielu 渝新欧国际铁路 Yuxinou intercontinental railway

zhen 镇 town

zhi xia shi 直辖市 directly-administered city (province-level city)

zhiya 质押 pledge

zhong gong nong jian 中工农建 China, Industrial, Agricultural and Construction – the ‘big four’ state banks

zhucheng 主城 main city

zhuan kuan ji buzhu 专款及补助 transfers and subsidies

zhuhou jingji 主后经济 ‘duke economies’

Abstract

The development of large infrastructure projects at unprecedented speed and scope has dramatically changed the landscape of China. This spatial transformation has produced a contradictory political economy formed by sustained economic growth with increasing debt. Most research on the process of infrastructure development in China assumes that the state has retreated as market mechanisms increasingly determine production and consumption. However, during the economic reform era the Chinese state has strengthened its grip on the economy and accumulated enormous wealth through state-owned enterprises.

This study conceptualizes infrastructure development as a process of state-led wealth accumulation through territorial changes to the administrative units in relation to infrastructure development. The Chinese state has articulated this process for Chongqing—a province-level city with vast rural hinterlands in the interior of China—by establishing the Chongqing administrative division in 1997 and subsequently funding its infrastructure development especially through a network of expressways that connect all corners of China. By examining the process of production the Chongqing portion of the national expressways system, the analysis dissects how the state governs and materializes urban and regional infrastructure in contemporary China. Analysis of data from Chongqing city yearbooks of public finance, and corporate finance reports of the state-owned enterprises in charge of expressways development, demonstrate how the central government enables the process of capital accumulation.

Overall, this study contributes to advancing scholarship on the role of the state in relation to urban transformation in China and to theoretical discussions of critical political economy and urban geography. The arguments in this dissertation explain how state territorial governance produces not only urbanization, but sustains capital accumulation for state-owned enterprises in China. The dissertation refutes assumptions that market mechanisms are underpinning infrastructure development, and instead definitively explains how interrelated processes of state-led administrative restructuring and capital investment advance the urban process in China.