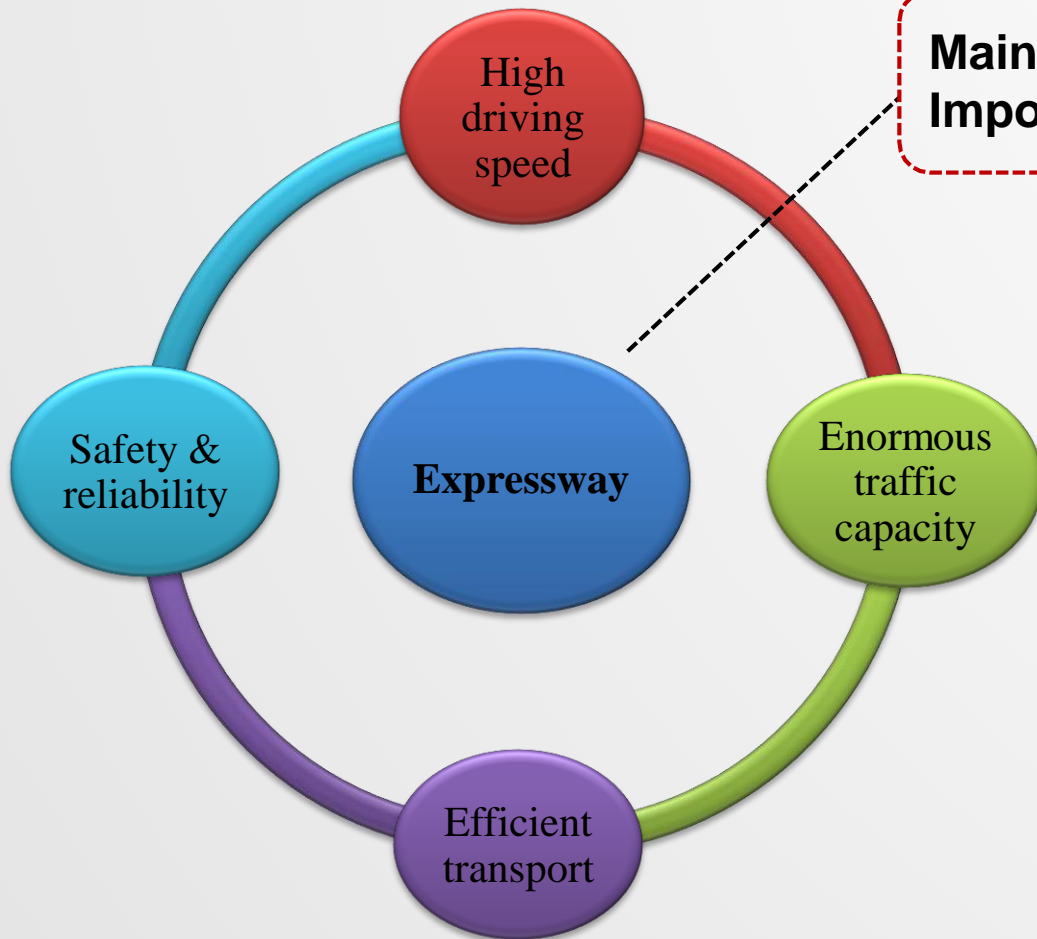


Achievements and Experiences of China's Expressway Development



August, 2019

Development Achievement



Main Symbol of Modern Transport
Important Symbol of Modern country



Development Achievement



Shanghai—Jiading Expressway
(28 km)

In Oct. 1988,
the first expressway opened to traffic.

At the end of 2014, open-to-traffic mileage
reaching **111,800 km**

In 2018, open-to-traffic
mileage reaching **143,000 km.**

Development Achievement

1. Initial Stage (1988~1997)

Annual extension of 477 km opened to traffic

- ❑ A series of expressways in busy road sections were built in succession.
- ❑ China built the first trans-provincial expressway (Beijing-Tianjin-Tanggu expressway), with loans provided by the World Bank.

Draw on advanced experience from developed countries, conduct research on the technological standards and design specifications of expressways

- ❑ Cooperate with the Australian PPK Company to conduct the feasibility studies into expressway construction projects.
- ❑ Introduce FIDIC terms, adopt systems of project tendering and construction supervision.
- ❑ Break numerous major technology “bottlenecks”.

Development Achievement

2. Rapid Development Stage (1998~2010)

Annual open-to-traffic expressway mileage: 5300 km
Annual investment: 260 billion RMB

Since 2008, expressway construction has been accelerated again, in order to deal with the International Financial Crisis.

- Since 2008, the annual investment of China's expressway construction has exceeded **500** billion RMB, with the annual open-to-traffic mileage over **8000** km.



Development Achievement

3. Network Optimizing Stage (from 2010 till now)

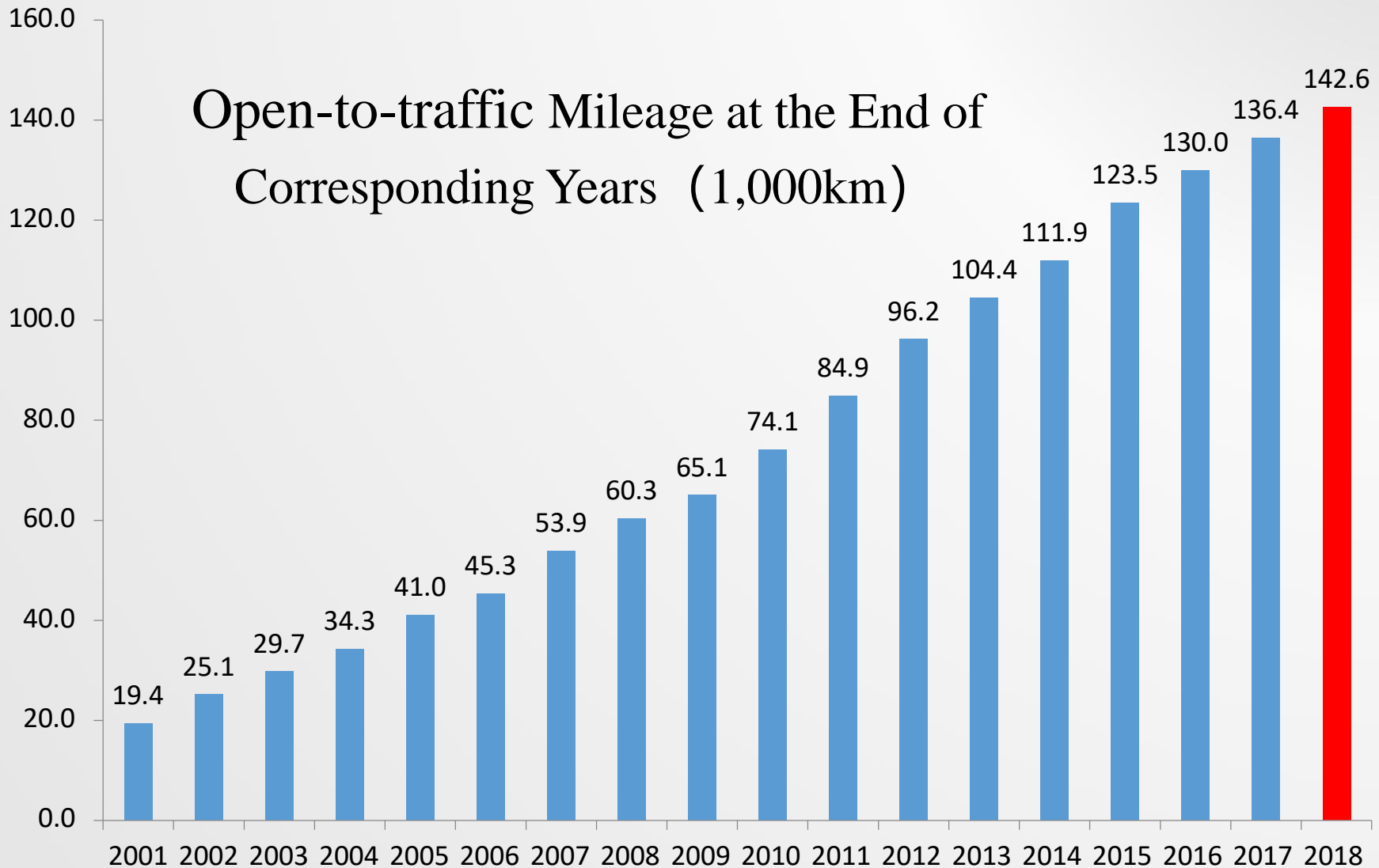
The increase in expressway investment has decelerated in China.

Transformation in key areas of construction

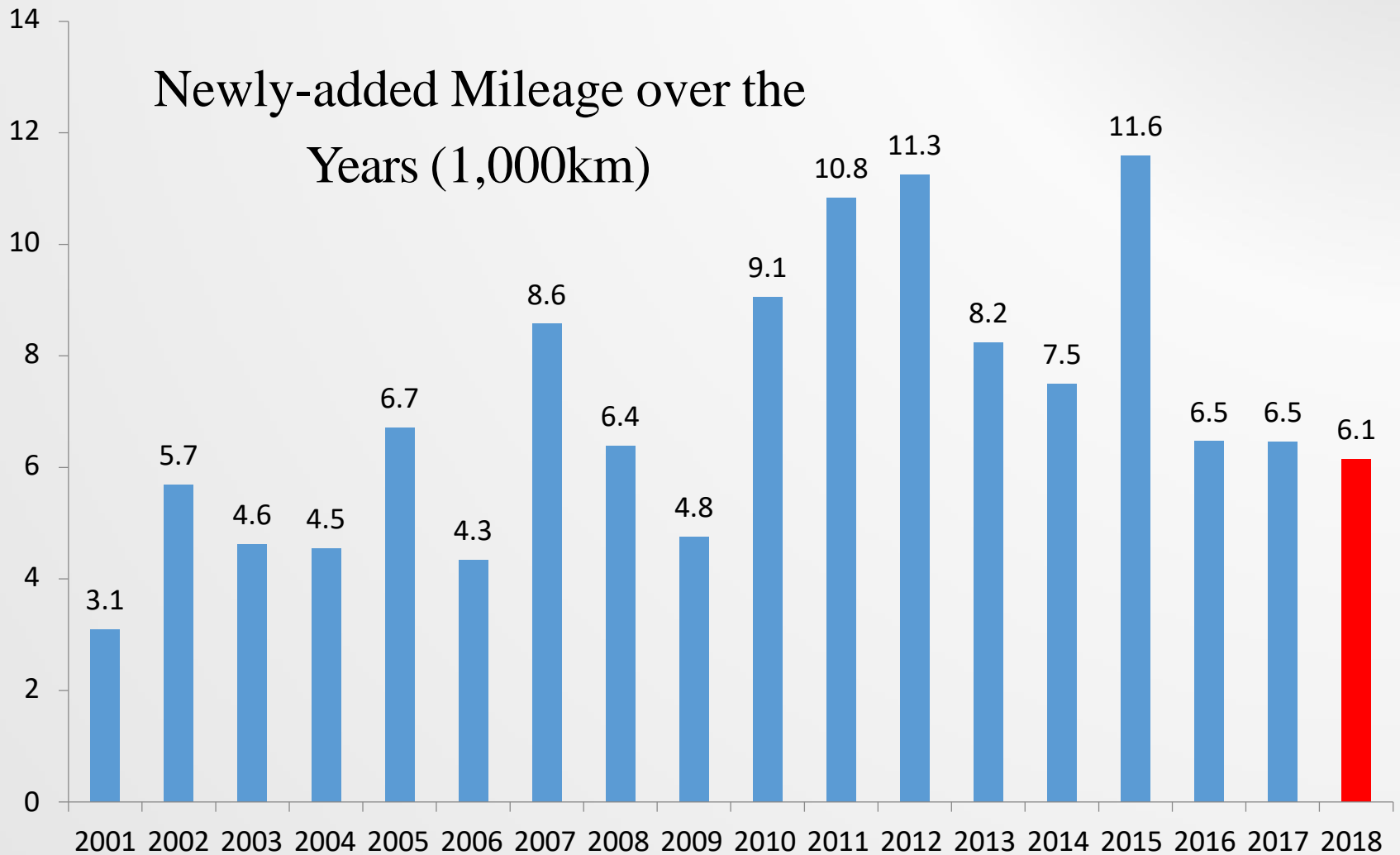
- ❑ Upgrading and expansion of congested roads
- ❑ Improve the network of connecting lines



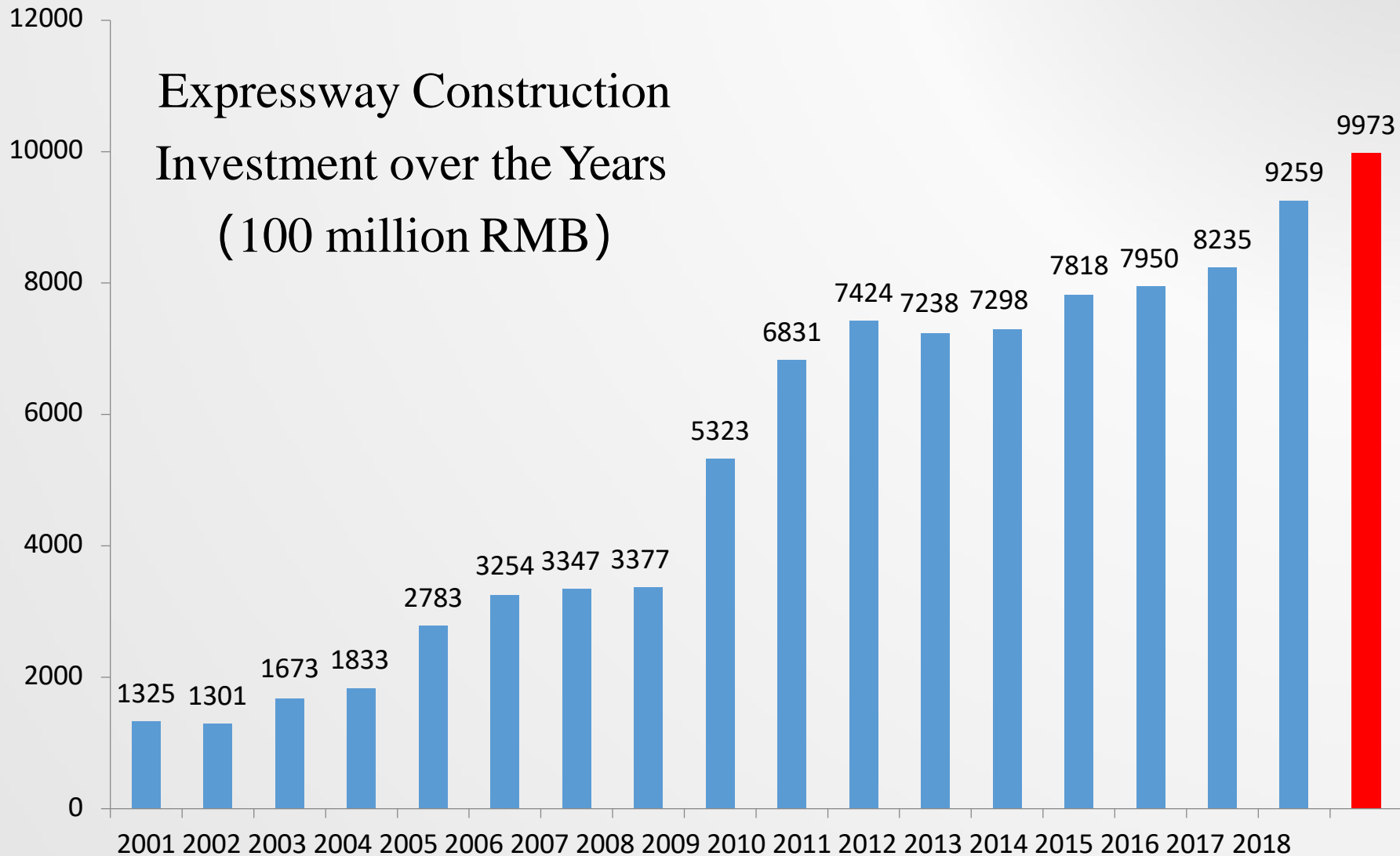
Development Achievement



Development Achievement



Development Achievement

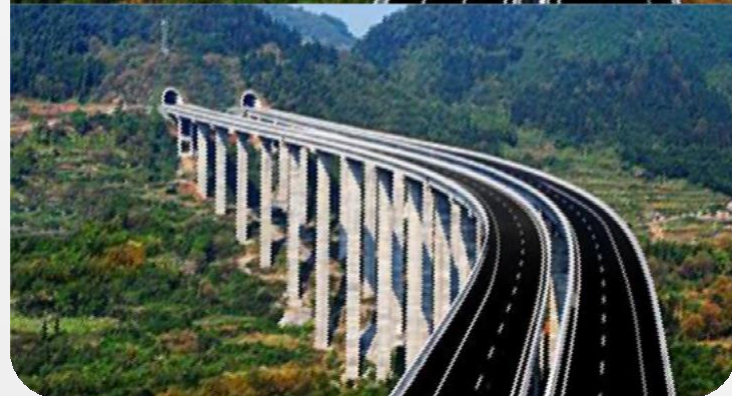


Development Achievement

China's expressways account for **2%** of the total road network, undertaking **35~40%** passenger & freight traffic turnover in operation.

The input-output ratio of expressway construction: **1:3**.

For every 100 million RMB investment, **2000** jobs have been created.

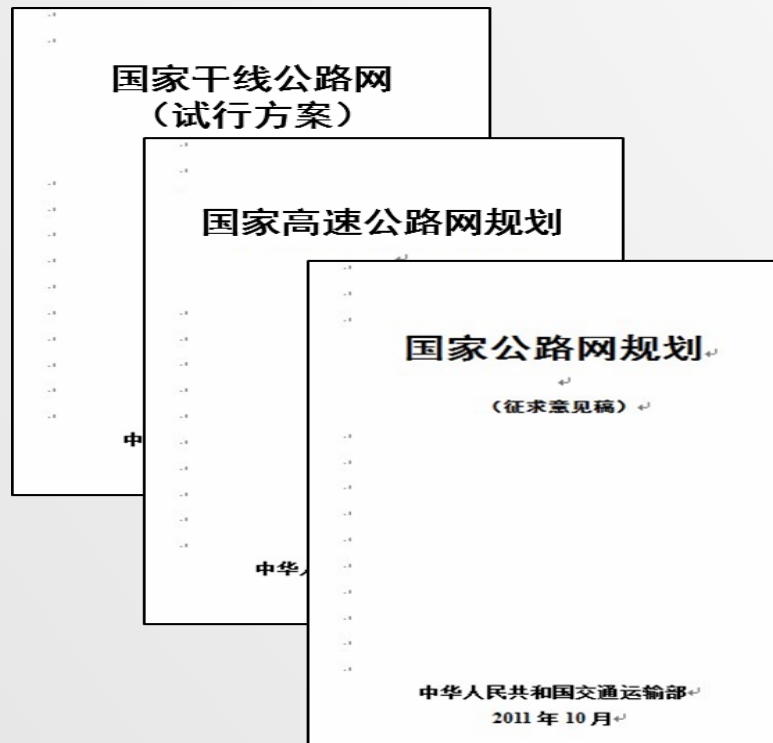


Development Experience

1

Draw up Scientific Planning

Guide Development



Improved Planning System

Development Experience

2

Reform and Open up &
Absorb international experience

Bidding System

Contract Management



Study of Prioritization of Highway Investments and
Improving Feasibility Study Methodologies. 1995 -----



WB & PPK

Development Experience

3

Give fully play to the superiority
of management system



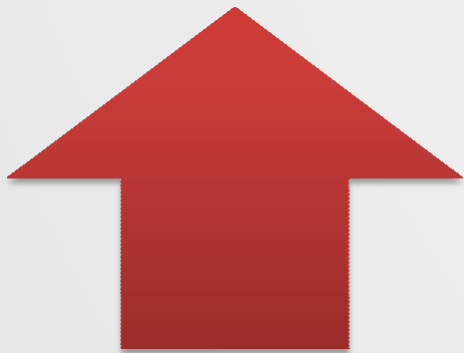
Central Government

-----Leader

To be rich, build roads first.

Local Government

-----Implementation



Development Experience

4

Institutional Innovation Market Mechanism



Guarantee Capital Sources

Diversified investment

Build roads on loan and collect
fees to repay debts

Transfer roads fee collection right

The most market-
driven industry

Development Experience

5

People-oriented, Environmentally Friendly,
Sustainable Development

Planning &
Designing

Transport Research on
resources conservation &
environmental protection

Construction--
-Security
Project

Environmental
Protection
Demonstration
Project



Thank you!

