



Traffic Safety Situation in China

Tang Chengcheng

- Research Institute of Highway,
Ministry of Communications, P.R.
China
- Deputy director of Road Safety
Research Center, MOC.
- cc.tang@rioh.cn



OUTLINE

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Prosperous vision

Overview – Highway

2006

Total Mileage 3.457 million km

Expressway 45,400 km

Rural highway 3.026 million km

2020

Expressway 85,000 km

Rural highway 3.7 million km

Overview -- Vehicles

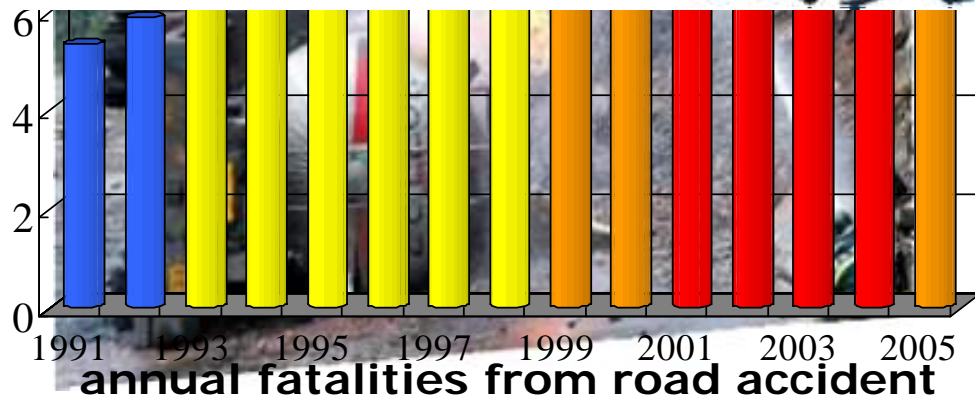
At the end of 2006, Volume of Motor Vehicles reaches 148 million, which increasingly severe road safety in China.



Overview – Road Crash

challenged by severe safety problems

Equal: one plane crash per day



(10⁴ persons)

Major features of road safety problem

1 High rate of fatalities

	Total number of traffic accidents	Number of fatalities	Accidents/fatalities
U.S.A	6181000	42636	145
Germany	2261689	5842	387
Ireland	22306	374	60
Japan	952191	7358	129
China	517889	107077	5

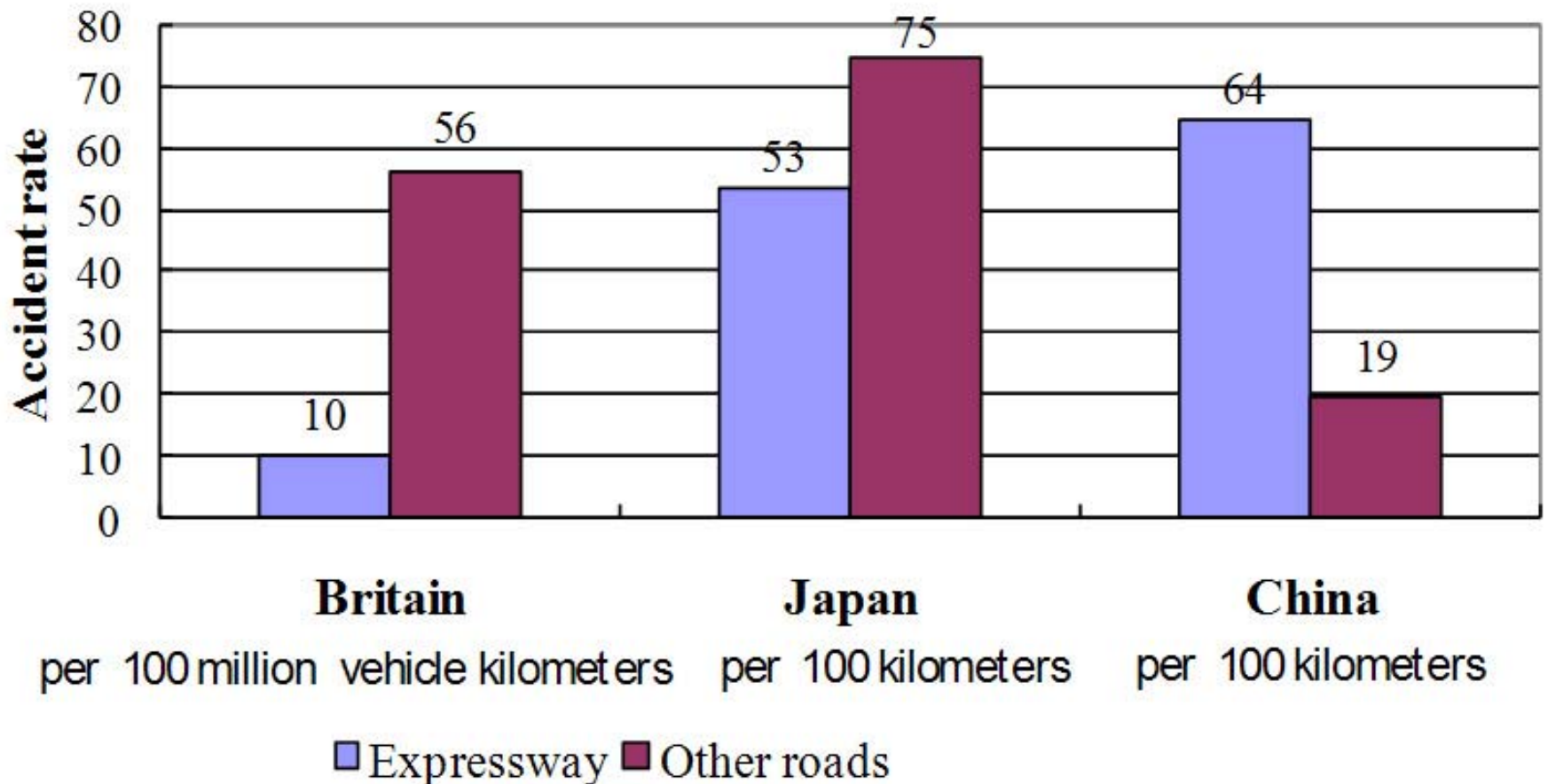
Major features of road safety problem

2 Road crashes mainly occurred on highways of Class 2 and 3

	Accidents (%)	Fatalities (%)	Mileage (%)
	34.1	36.2	12.8
	25.9	25.7	17.9
Total	60	61.9	30.7

Major features of road safety problem

3 Expressways are confronted with severe traffic safety situation.



Major features of road safety problem

4 Highways are unsafe in rural areas

there is one farmer or farm worker every three road fatalities!



Major features of road safety problem

5 Traffic participants' illegal behaviors

Crashes 437,445 97.2%

Fatalities 95,269 96.5%

**Illegal
behavior
related**

Leading causes for road crashes

- 1 **Severe mixed traffic**
- 2 **Poor safety consciousness**
- 3 **Inharmony between vehicles and highways**
- 4 **Road construction, operation and management, etc. fail to keep up with the actual requirements.**

Leading causes for road crashes

1

Severe mixed traffic



Leading causes for road crashes

2 Poor safety awareness



Leading causes for road crashes

3

Inharmony between vehicles and highways



Leading causes for road crashes

4

Road construction, operation and management, etc. fail to keep up with the actual requirements





Present Actions

1. Inter-ministerial joint conference system

- Ministry of Public Security
- Ministry of Communications
- Administration for Supervision and Management of Safe Production

.....

15 Ministries and Administrations in total

Present Actions

2. Publicity education project for road traffic safety



Present Actions

3. Highway safety enhancement project (HSEP)



1	2
3	4



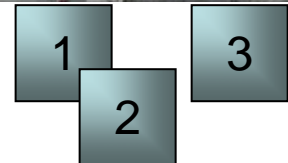
Present Actions

4. Conducting the rectification of vehicle overload



Present Actions

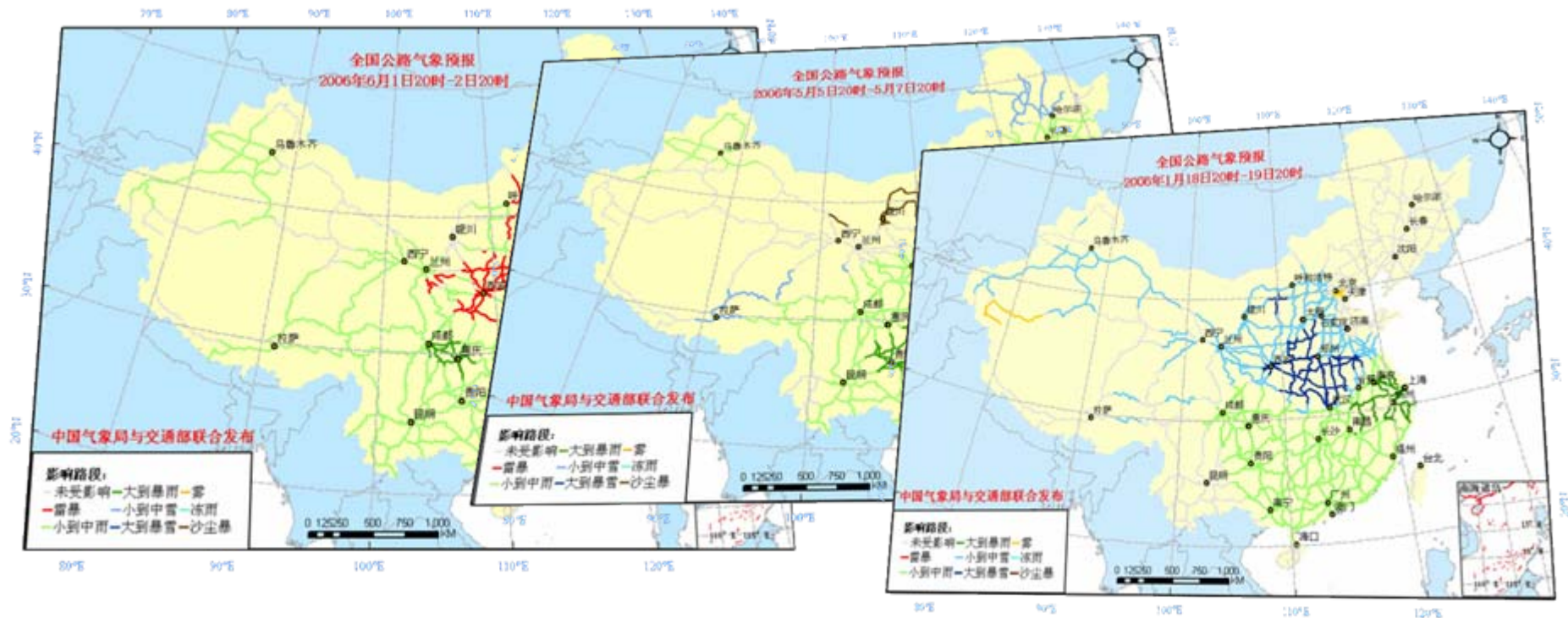
5. Implementing the driver's qualification education project and strengthening transportation management



Present Actions

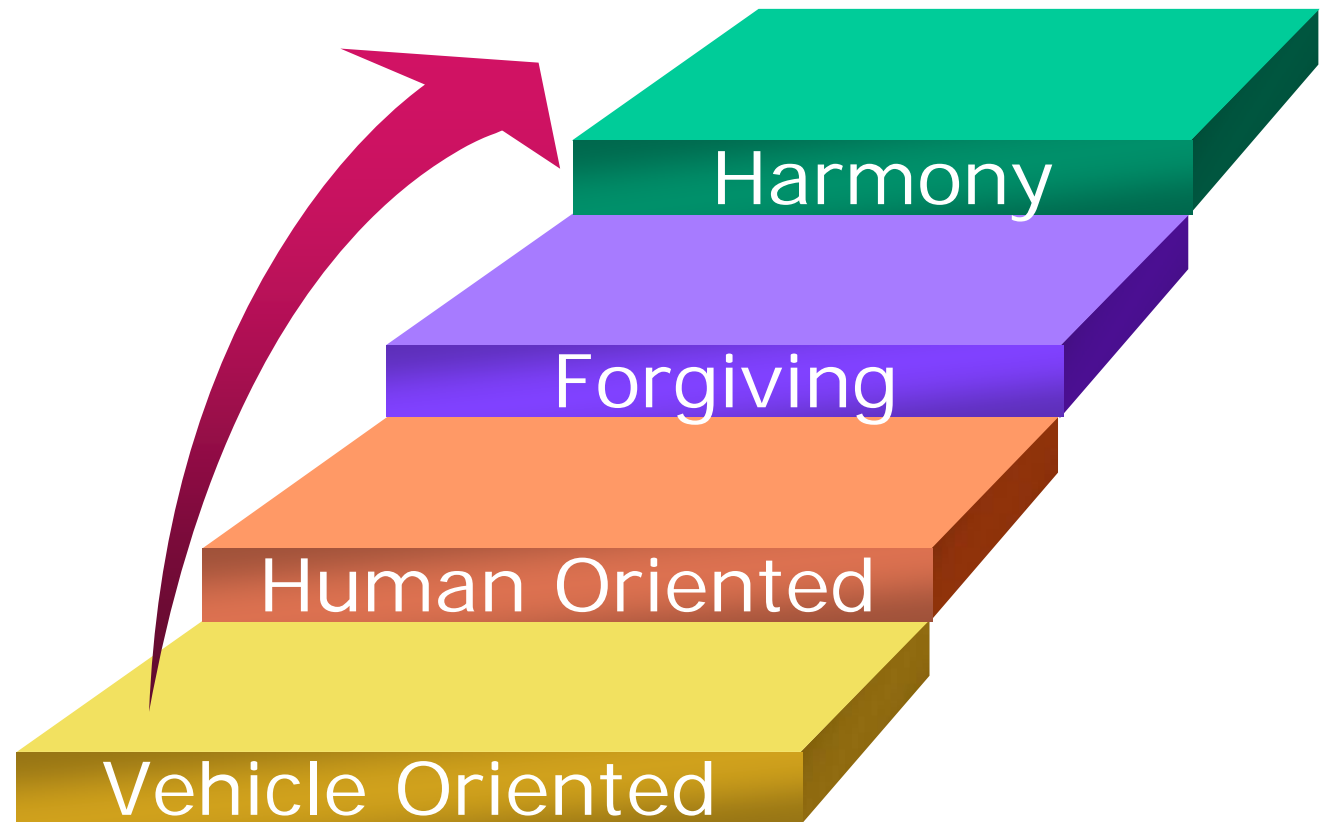
6. Weather Forecast for National Highways

Everyday weather forecast for national highways published by China Meteorological Administration and MOC.



Present Actions (cont'd)

7. Pushing new concept on survey and design of highway



Present Actions (cont'd)

Striking for Safer and Harmonized Development



Present Actions (cont'd)

8. Conducting fundamental research on road safety
 - ➔ safety in foggy region of expressways
 - ➔ roadside safety
 - ➔ safety of long and steep downgrade
 - ➔ entrance and exit of highway tunnel

Present Actions (cont'd)

8. Conducting fundamental research on road safety (**cont'd**)

- safety of intersections
- setup of traffic signs and markings
- safety of scenic highways
- road safety data base
- road traffic safety manual

Present Actions (cont'd)

9. International communication and cooperation on road safety





Next Actions

1. National road safety strategy



Next Actions

- 2 .Technical problems we desire to solve
 - ➔ Safety of long and steep downgrade section
 - ➔ Safety of large intersection
 - ➔ Setup of guide sign system
 - ➔ Safety of tunnel
 - ➔ Safety of rural highways

Next Actions

Problem 1

→ Long and Steep Downgrade



Next Actions

Problem 2

→ Large Intersection



Next Actions

Problem 3

→ Traffic Signs



Next Actions

Problem 4

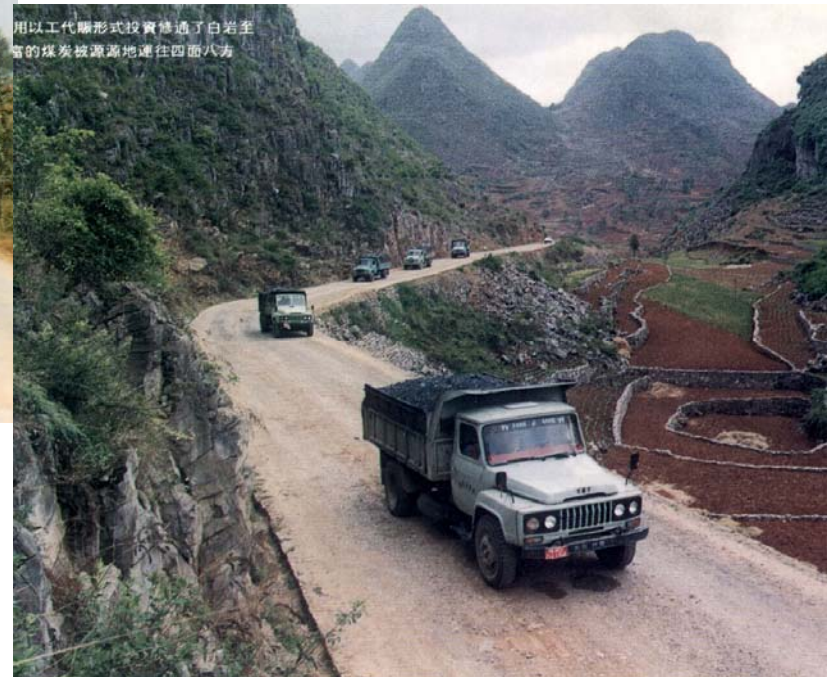
→ Tunnel Safety



Next Actions

Problem 5

→ Safety of Rural Highway



Vision





Thank You !

