



Rapid Disposal and Rescue of Traffic Accidents on Chongqing Expressways

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**Chongqing General Brigade
of Traffic Administrative Law Enforcement**





Chongqing is in the south of China. Its position is east longitude of 105-110 degrees, and north latitude of 28-32 degrees. Chongqing is in the center zone of Yangtze River Three Gorges.

The area of Chongqing is 82,400 square kilometers, which is two times of the whole area of Tianjing, Beijing and Shanghai. So it is the largest city in China. There are more than 31,000,000 people in Chongqing. The proportion of minority is 5.7%. The climate in Chongqing is sub-tropical monsoon climate. What's more, there are 13 districts, 18 counties and 5 autonomous counties in Chongqing.

中 / 国 / 历 / 史 / 文 / 化 / 名 / 城
A BEAUTIFUL MOUNTAIN CITY

美丽山城
CHONGQING

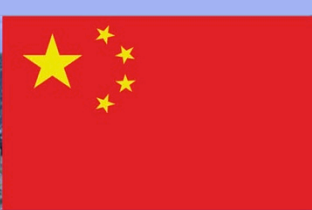
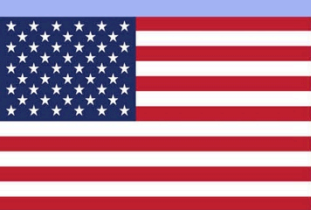
魅力重庆





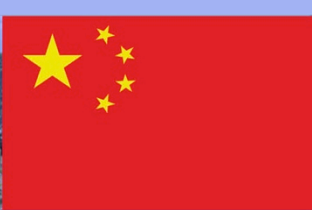
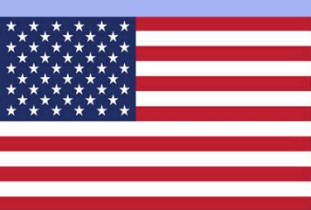
The Mountain City



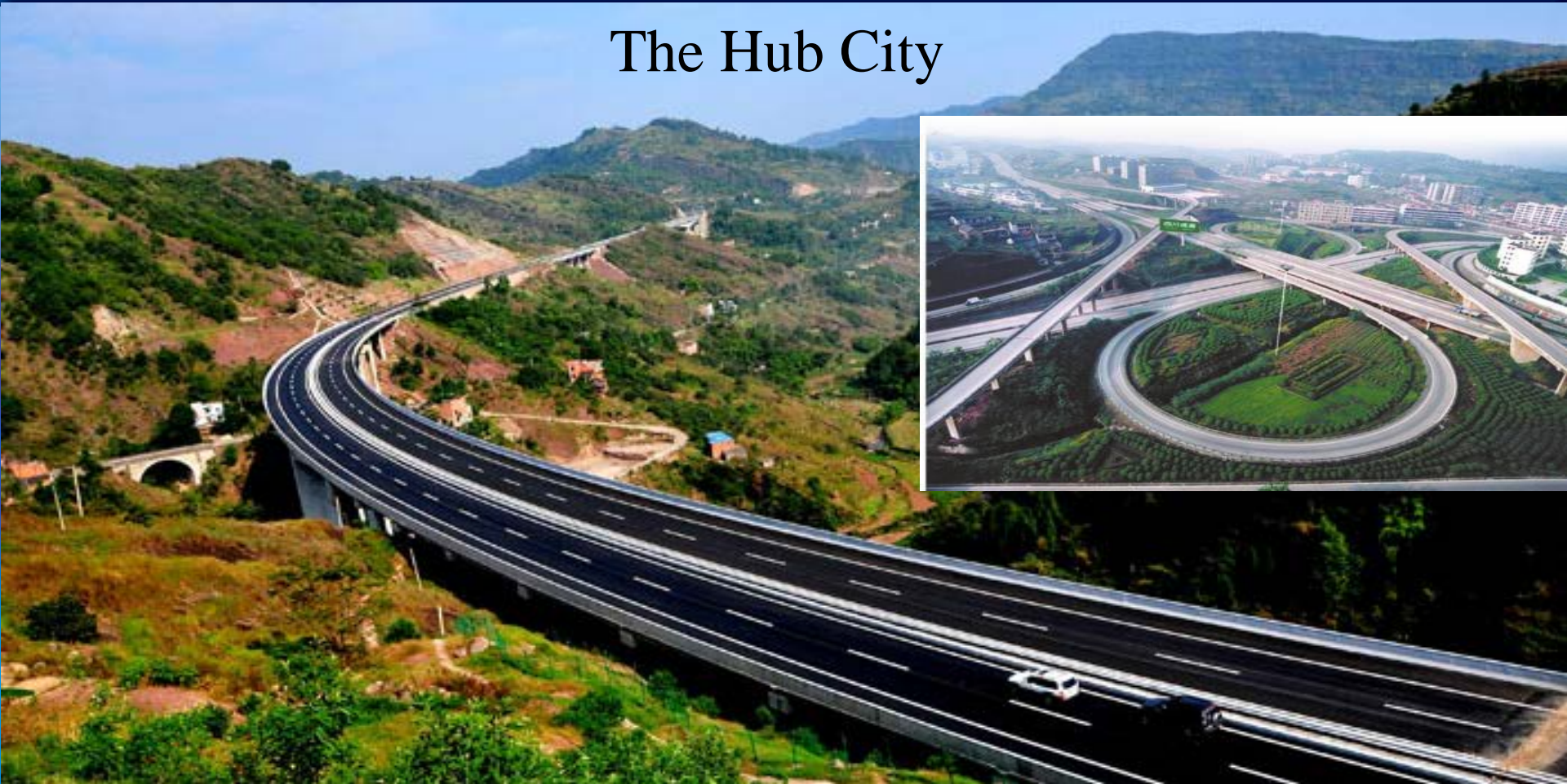


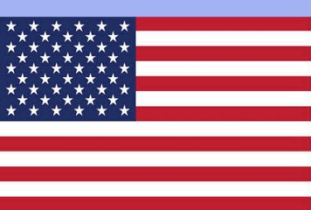
The River City





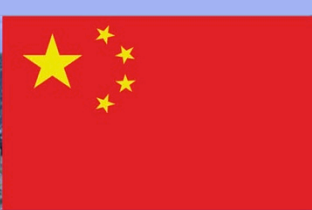
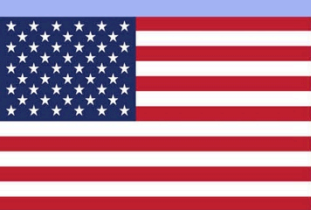
The Hub City





The first expressway in Chongqing: Chengdu-Chongqing Expressway was constructed in 1995





The traffic mileage of current expressway of the city reaches 2,300 kilometers and the average daily traffic flow exceeds 320,000 sets.





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**Main Features of
Expressways in
Chongqing**

Unit 2

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of Chongqing
Expressway
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Management**

Unit 3

**Experience for Rapid
Disposal and Rescue of
Traffic Accidents**



I. Main Features of Expressways in Chongqing

1

Various long longitudinal slopes

2

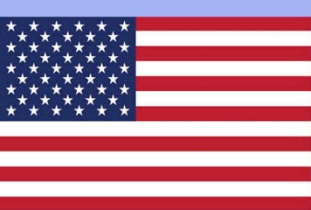
High percentage in bridge and tunnel (group)

3

Exposed to severe weather of rain, fog, ice, snow, etc.

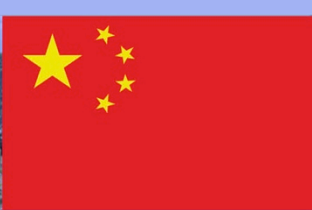
4

Distinct features in transportation hub



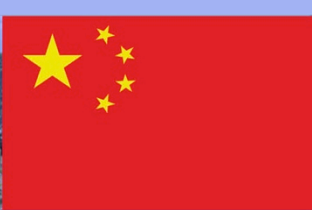
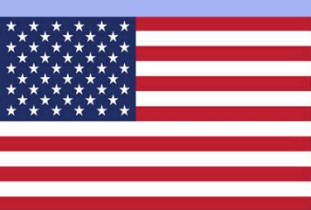
Long Longitudinal Slope





Bridge



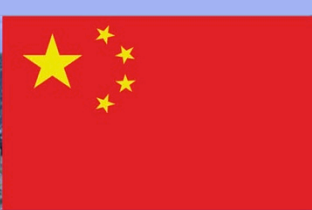
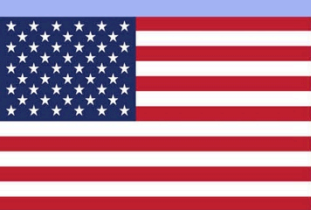




Tunnel

隧道行駛
保持車距





昵图网 www.nipic.com BY: zzm_god

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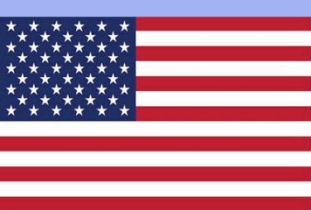
zhulong.com



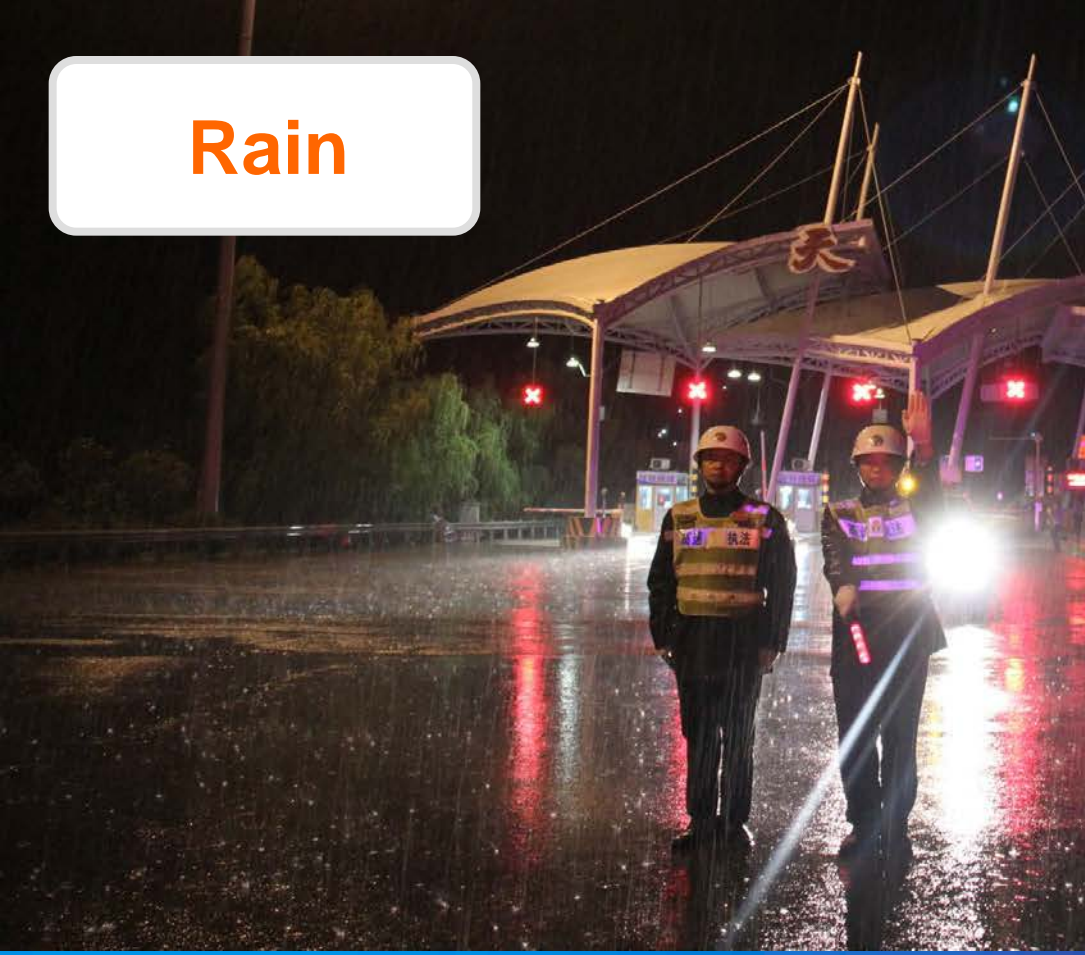


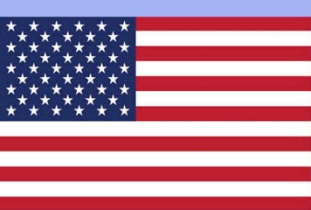
Fog





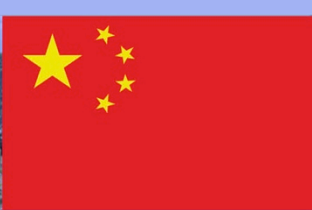
Rain





Ice and Snow





Distinct features in transportation hub



II. General Information of Chongqing Expressway Safety Management

1

No traffic accidents with above 10 casualties

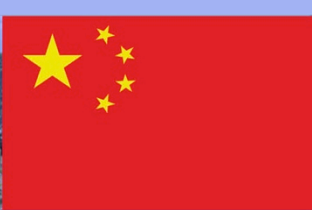
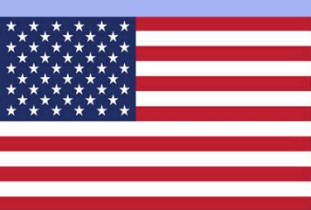
2

No severely damaged secondary accident

3

No serious traffic jams

At present, the average time for disposing the scene of a traffic accident on Chongqing expressway is no more than 20 minutes, among which the minor accidents are disposed within 10 minutes, and the relatively complex traffic accidents are generally disposed within 50-70 minutes.

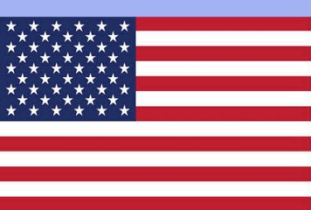


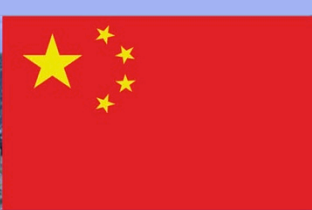
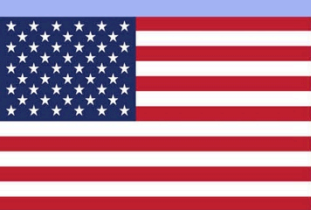
Unified management,
comprehensive law enforcement



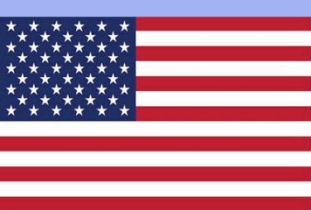
重庆市交通行政执法总队高速
重庆市交通行政执法总队高速
重庆市交通行政执法总队高速

市交通执法总队
揭





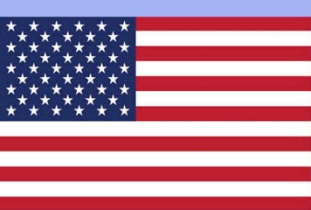




Safety: no traffic accidents with above 10 casualties

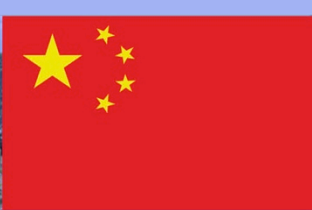


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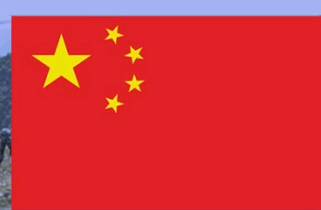
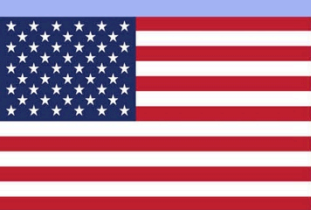
Smoothness: no serious traffic jams





High efficiency:
the average time
for disposing the
traffic accident is
no more than
20 minutes





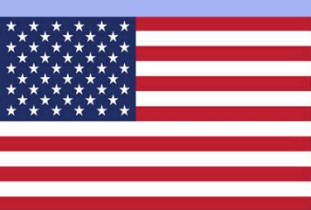
III. Experience for Rapid Disposal and Rescue of Traffic Accidents on Chongqing Expressways

i. Five Principles

ii. Five Rapids

iii. Five Guarantees





Five Principles for Rapid Disposal and Rescue of Traffic Accident

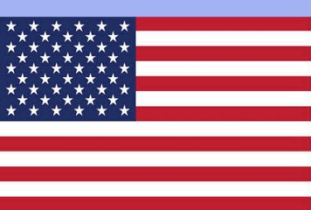
Coordinated Action

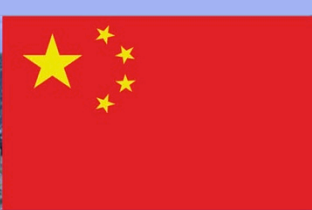
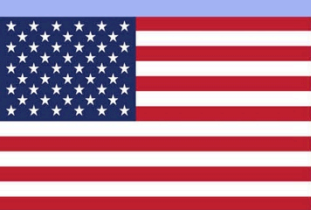
Accident Disposal as per Degree of Urgency

Safety Prior to Smooth Traffic

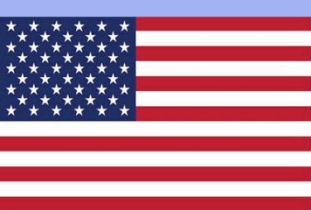
Rescue Prior to Investigation

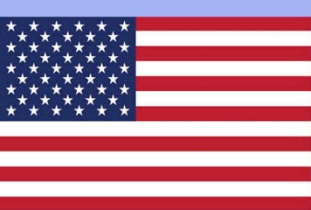
Smooth Traffic Prior to Obstacles Clearing

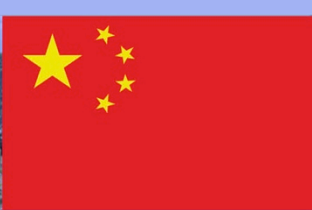


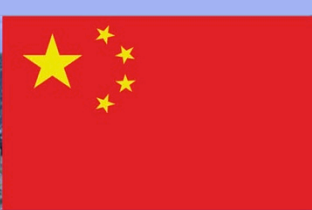
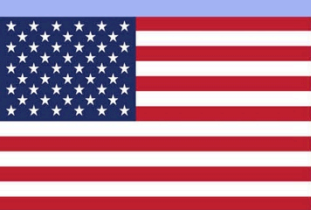


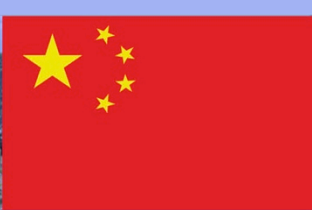
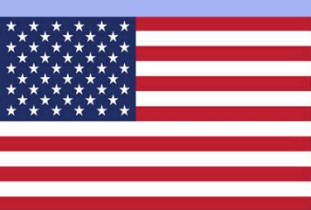


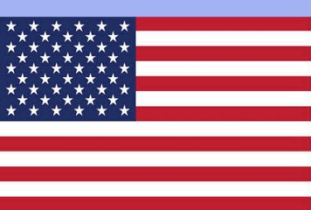


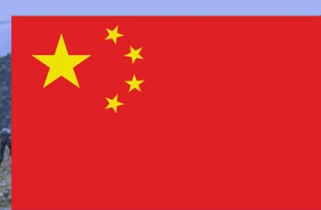
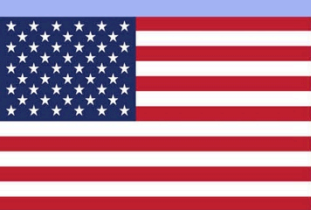












Five Rapids for Rapid Disposal and Rescue of Traffic Accidents

Rapid Response

Rapid Traffic and Scene Control

Rapid Rescue of the Injured

Rapid Investigation (Research)

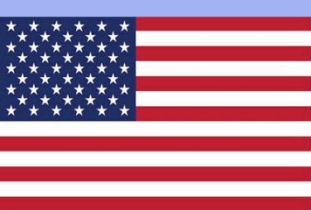
Obstacle Removal



Rapid Response

Dispatch police within 5 minutes and arrive at the scene within 15 minutes





Four ways to the scene



Common way



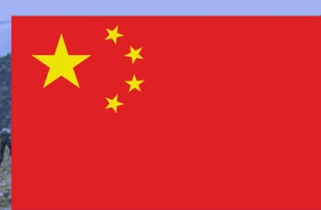
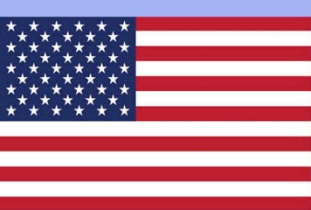
Reverse arriving way



Arriving through the opposite driveway



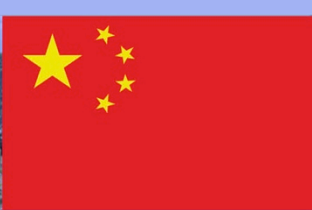
Arriving through a by-pass

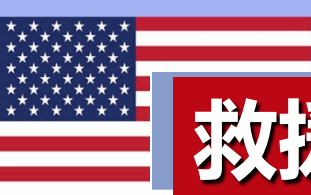


Rapid Control



Rapidly control the scene or take traffic control measures in the first time to avoid the secondary accident.



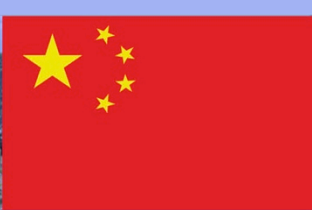
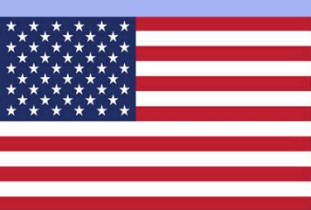


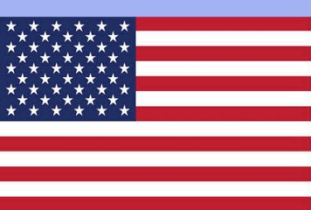
救援迅速



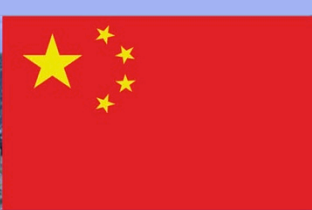
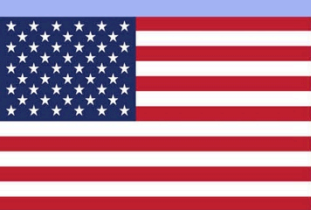
Rapid Rescue







Rapid Investigation

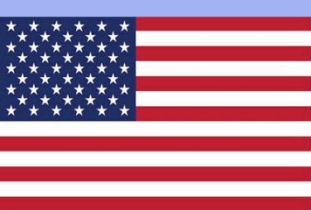




Rapid obstacle removal

Dispatch various obstacle removal forces to rapidly clear the obstacles at the scene and restore the road access.



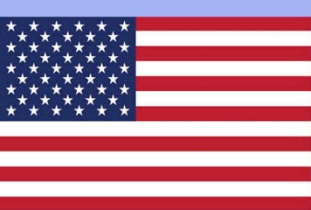


Five ways of stock-taking



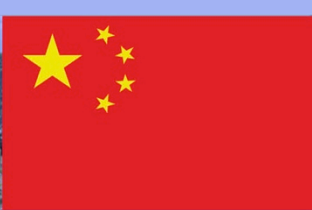
Manual transportation Forklift operation
Loader operation
Unloading of special vehicles Crane hoisting





Vehicle Rescue





Five Guarantees for Rapid Disposal and Rescue of Traffic Accidents

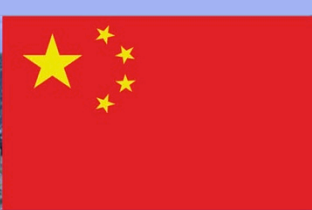
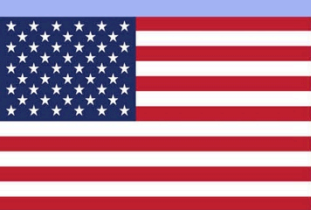
System Guarantee

Mechanism Guarantee

Information Guarantee

Science and Technology Guarantee

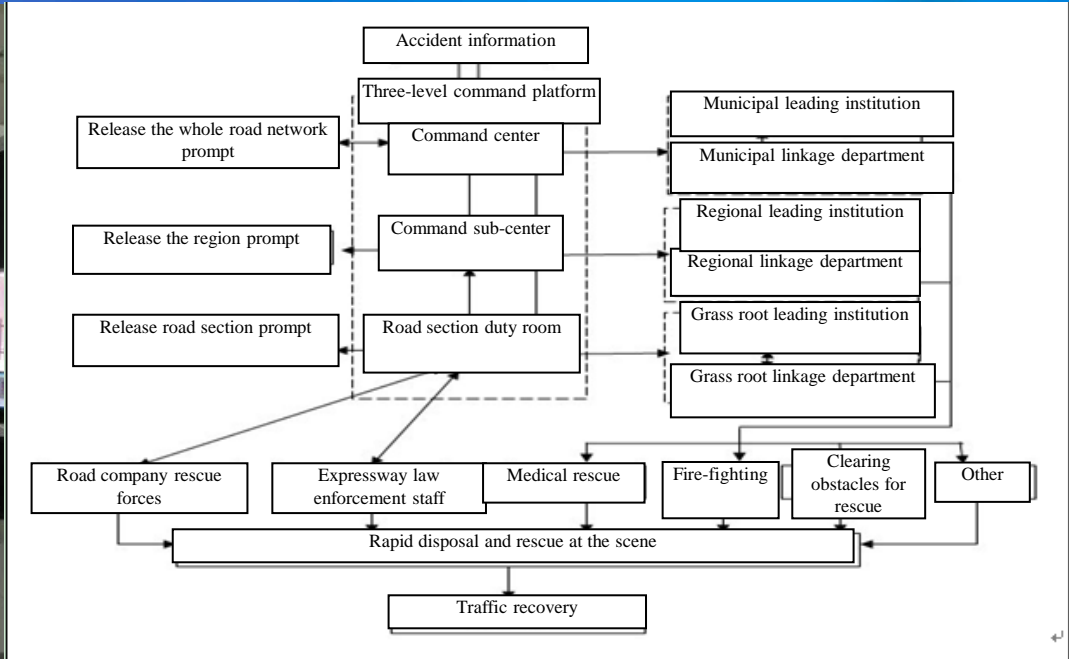
Ability Guarantee



1

Establish the joint service command platform for rapid disposal and rescue of traffic accidents and strengthen the system guarantee

First, establish a three-level command platform for disposal of emergency on expressways



Operating Flow for Emergency Command System of Chongqing Expressways



1

Establish the joint service command platform for rapid disposal and rescue of traffic accidents and strengthen the system guarantee

Second, establish the emergency linkage mechanism





2

Establish legal systems for disposal and rescue of traffic accidents and strengthen the mechanism guarantee

Mechanism Guarantee

First, legal system



Legal obligations for rapid disposal of minor accident through mutual negotiation

Second, emergency plan system



Orderly organization, rapid response, clear responsibility assignment and implementation and high efficient cooperation

Third, system mechanism



Supporting systems
Daily working mechanism



3

Establish early warning and monitoring for rapid disposal and rescue of traffic accidents on expressways, and strengthen the information guarantee.

First, strengthen the road patrol and supervision.



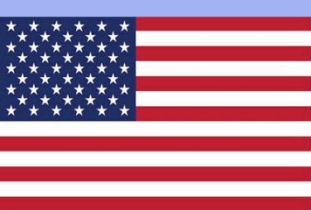


3

Establish early warning and monitoring for rapid disposal and rescue of traffic accidents on expressways, and strengthen the information guarantee.

Second, carry out the public alarm system.

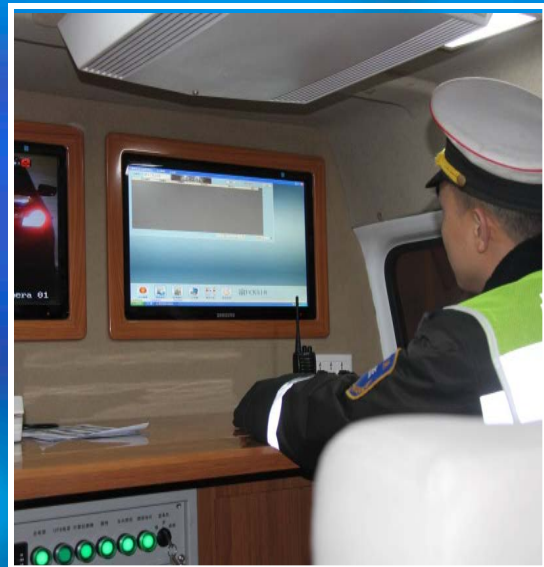
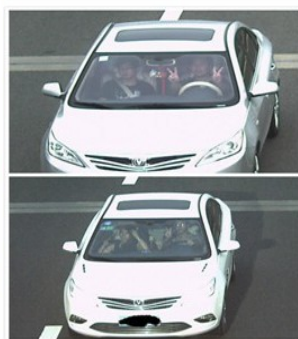




3

Establish early warning and monitoring for rapid disposal and rescue of traffic accidents on expressways, and strengthen the information guarantee.

Third, build a network monitoring system





4

Vigorously implement the policy of improving the efficiency by using science and technology, and strengthen the science and technology guarantee.



Network surveillance
Remote monitoring
command



Group calling
system



Video equipment
Photogrammetry
technology



Multifunctional
law enforcement
vehicle
Multifunctional
patrol vehicle



Electronic
auxiliary
equipment

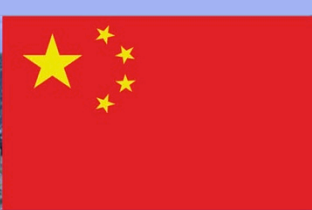
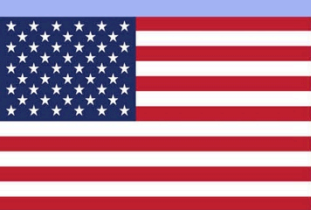


5

Enhance the construction of emergency team and strengthen the ability guarantee.

First, strengthen the construction and management of the emergency team.



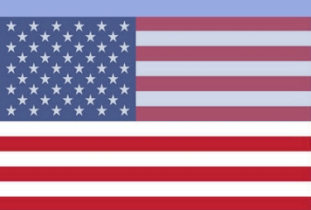


5

Enhance the construction of emergency team and strengthen the ability guarantee.

Second, carry out the emergency training drills.



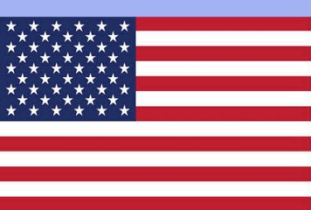


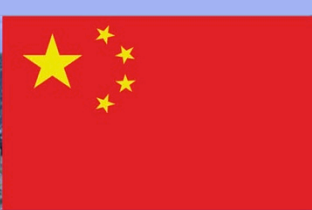
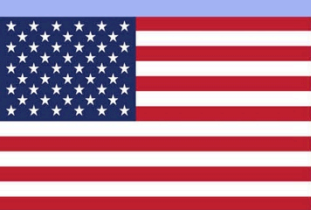
5

Enhance the construction of emergency team and strengthen the ability guarantee.

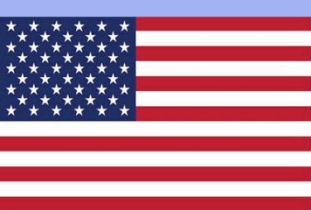
Third, actively make summary and discussion

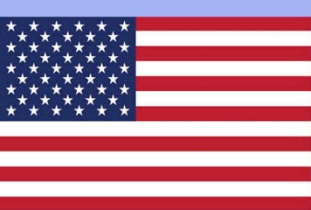
















交通执法
CHINA COMMUNICATIONS

Thanks

