

ADB's Sustainable Transport Initiative

Transforming Transport in Asia

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Asia is facing a crisis in transport ...



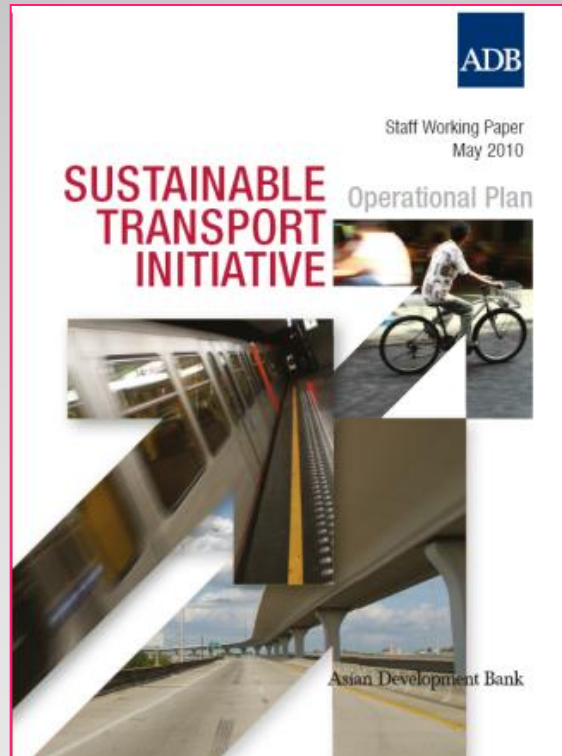
Congestion, pollution, accidents, energy consumption, GHGs - *increasing*

These emerging challenges have served as a wake-up call for ADB...

- ADB's transport portfolio has always been large
- ADB is a trusted partner in the transport sector
- Transport has been the backbone of ADB lending operations

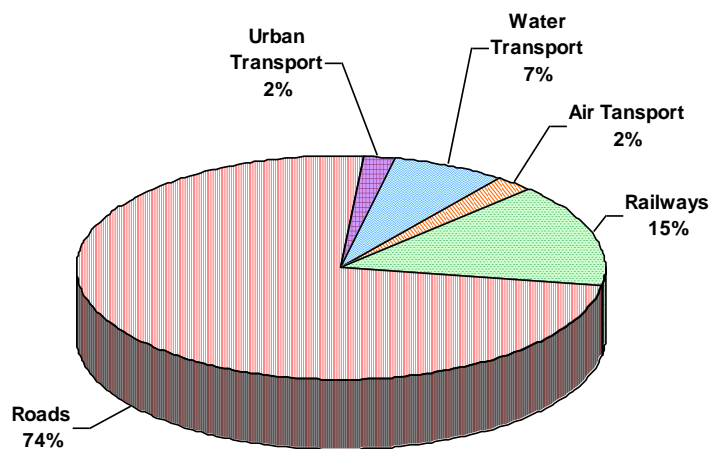
However changing times require New Directions...

These New Directions are captured in ADB's new Sustainable Transport Initiative (STI).

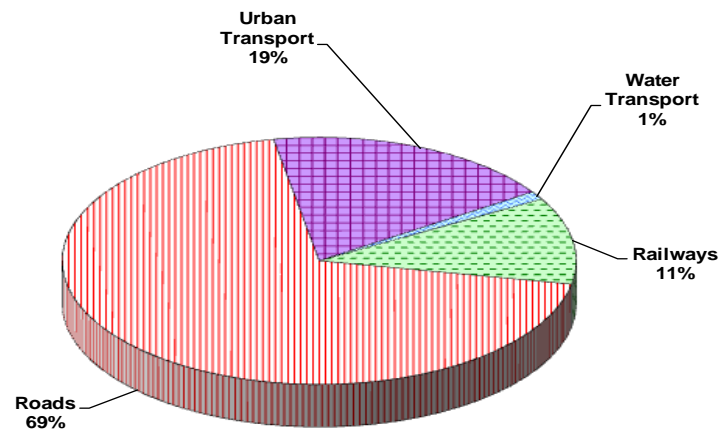


ADB's Transport Operations are Changing

1970-2009



2010-2012



ADB Road Sector Assistance...

- **Key outputs (2005-2009)**
 - 1,400 km of expressways
 - 40,000 km of national highways, provincial and rural roads.
- **Road loans included...**
 - strengthening the capacity of road institutions
 - increasing private sector participation
 - road asset management
- **ADB's sub-regional programs...**
 - improved physical connectivity
 - economic integration of neighboring countries



ADB's Sustainable Transport Initiative

Opportunities for New and Enhanced Operations

- **Scaling-up urban transport** – scale-up operations, promote model projects such as BRT and rail MRT
- **Mainstreaming climate change** – model projects for mode shifting and distance shortening
- **Improving cross-border transport and logistics** – more effective transport and trade facilitation
- **Supporting road safety and social sustainability** – scale-up, strengthen approach, and partner with road safety organizations and social development institutions

ADB is also pursuing Emerging Opportunities

- Sustainable transport development plans
- Policy advisory support
- Transport demand management and road pricing
- Intelligent transport systems
- Possible roles for ADB in promoting new technologies for vehicles, engines and fuel

Examples of Upcoming Projects

BRT projects in Dhaka, Lanzhou, Pimpri, Ulaanbaatar



Transmilenio



Transmilenio

Bus Rapid Transit



- **Urban Mass Rapid Transit in Ho Chi Minh City**
- **Metro Rail System in Hanoi**
- **Mass Rapid Transit in Bangalore**

Robin Hickman



Manfred Breithaupt



Lloyd Wright

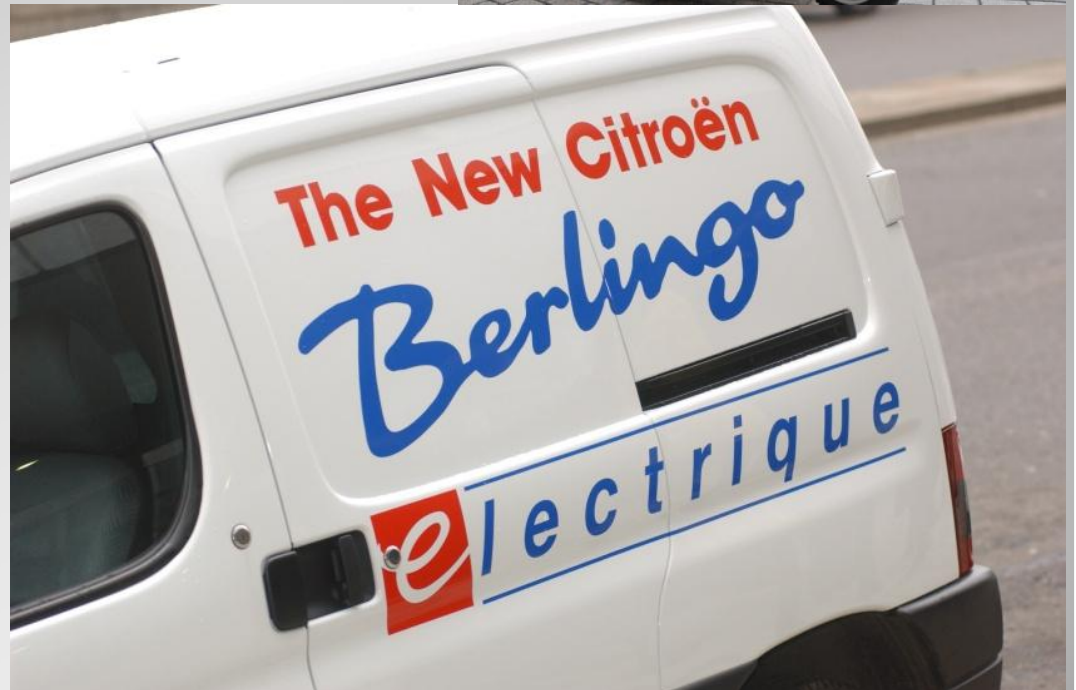
Mass Rapid Transit (Rail)

- PRC Jiangxi-Fuzhou Urban Integrated Infrastructure Improvement
- India Intermodal Transport
- Sri Lanka Multimodal Transport



Multi Modal Transport

**Adopting low emission vehicles
in Kathmandu, Vientiane, and
Davao**



Electric Vehicles

**Cambodia Provincial Roads Improvement
India Rural Roads Sector III (Investment Program)
PNG Bridge Replacement for Improved Rural Access Roads**

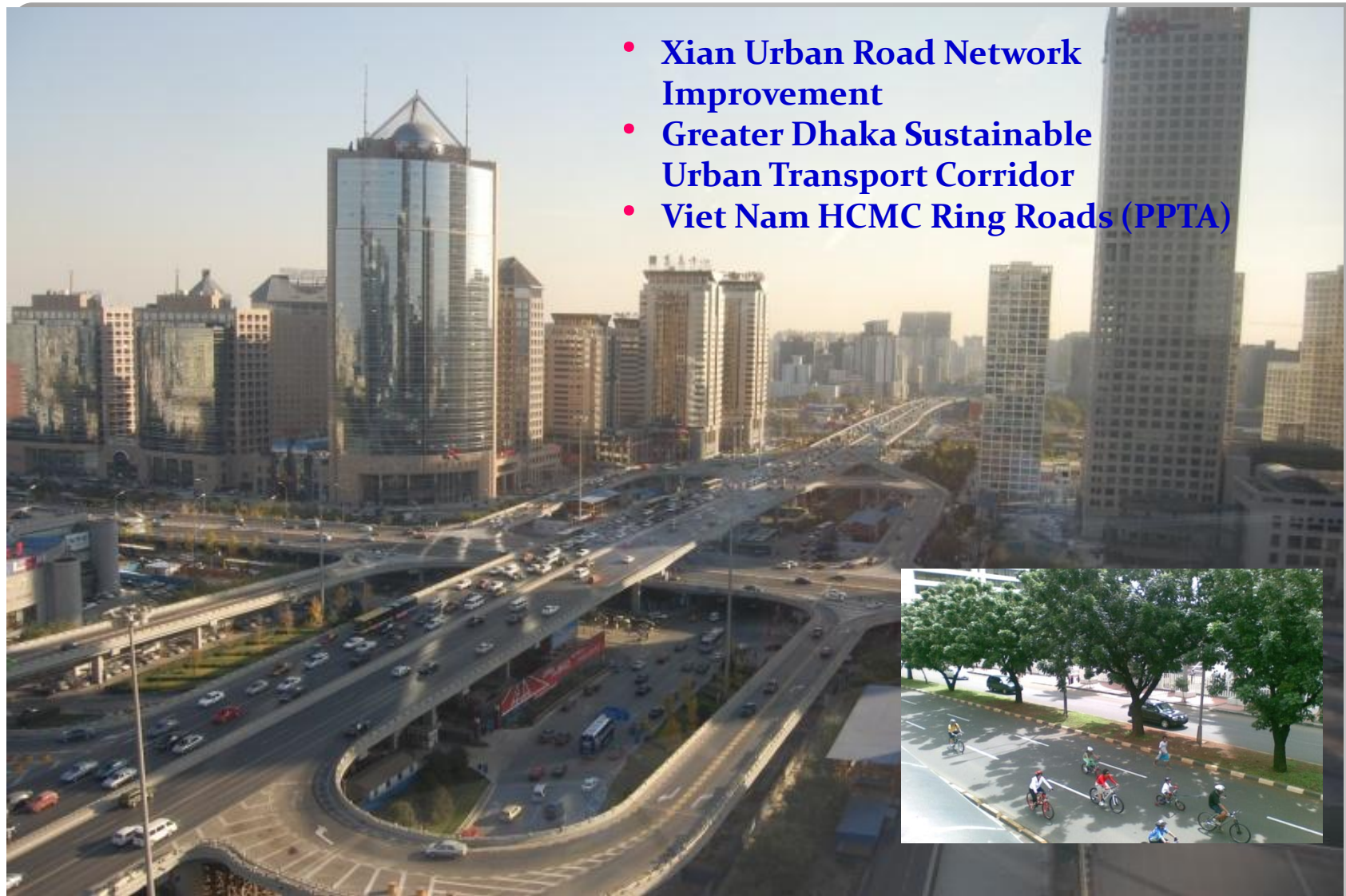


Rural Roads

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- A photograph showing a railway construction site. In the foreground, a worker in an orange safety vest and white cap is using a long wooden level to check the alignment of a concrete railway track. In the background, a large yellow and red machine is laying tracks on a gravel bed. Other workers are visible in the distance. The scene is outdoors with trees and power lines in the background.
- **Afghanistan Hairatan to Mazar-e-Sharif Railway Project**
 - **Bangladesh Railway Sector Investment**
 - **India Railway Sector Investment**
 - **PRC Railway Energy Efficiency and Safety Enhancement**

Railways

- Xian Urban Road Network Improvement
- Greater Dhaka Sustainable Urban Transport Corridor
- Viet Nam HCMC Ring Roads (PPTA)



Urban Roads



- **Armenia North-South Road Corridor Development**
- **Georgia Road Corridor**
- **GMS Indonesia Southern Coastal Corridor**
- **CAREC Transport Corridor**

Cross-Border Transport and Logistics

- **PRC Hunan Xiangjiang Inland Waterway Transport**
- **PNG Maritime and Waterways Safety**
- **PNG Second Community Water Transport Project**
- **Pohnpei Port Development**
- **Vanuatu Interisland Shipping Support**



Inland Waterways/Port

- Bhutan Domestic Airport Development
- Nepal Second International Airport Development Public Private Partnership (CDTA)
- Papua New Guinea Civil Aviation Development



Air Transport



- India and ASEAN Improving Road Safety (CDTA)
- Bangladesh Road Safety Improvement (PATA)

Road Safety



- **PRC Yunnan Road Maintenance**
- **Cambodia Rural Roads Asset Management (PPTA)**



Road Maintenance

Conclusion

Transport will remain a major part of ADB's infrastructure operations.

ADB's **Sustainable Transport Initiative** provides the necessary roadmap for scaling-up our support for sustainable transport that ensures inclusive and sustainable economic growth.

Information about ADB's Sustainable Transport Initiative
can be found at:

<http://www.adb.org/Transport/default.asp>

Thank you!