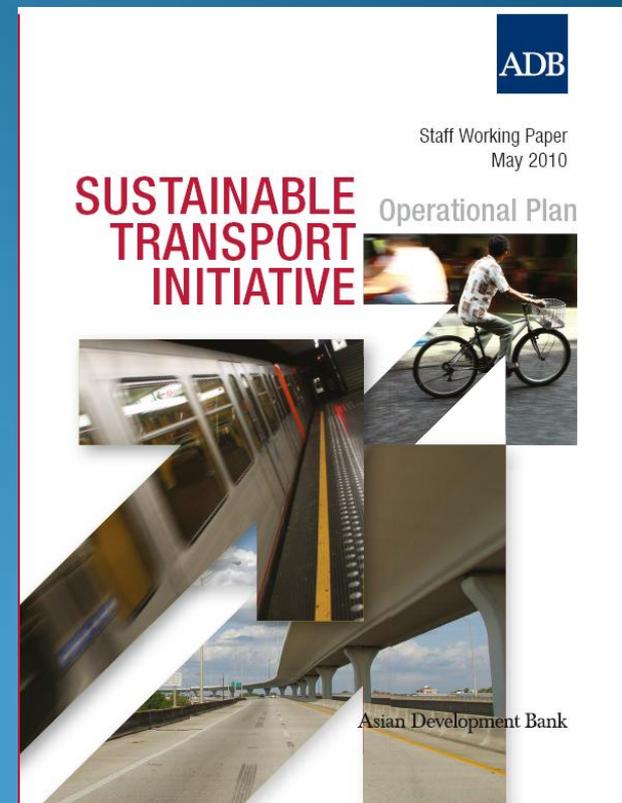


ADB's Sustainable Transport Initiative

Turning Strategies into Realities

5th Regional EST Forum in Asia
Bangkok, Thailand
23-25 August 2010

James P. Lynch
Director
Transport & Urban Development Division
Southeast Asia Department
Asian Development Bank



Transport in Asia - *The Inconvenient Truth*

Transport is a key driver of development, but ...

- Motorization doubling every 5-7 years
- Congestion costs 2%-5% of Asian GDP
- Road accidents costs 2%-5% of Asian GDP
- Energy use ~ 30% of World energy
- Fuel security - US\$50-150/barrel
- CO₂ - 23% from transport sector
- Local pollution – health problems and cost

This Inconvenient Truth has 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

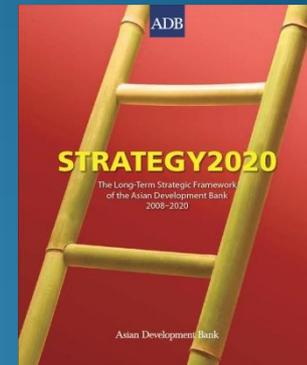
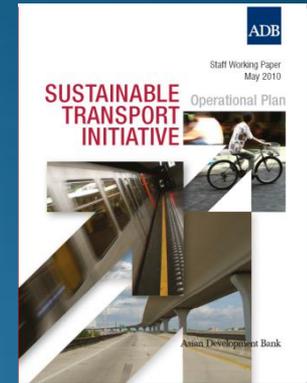
However changing times require New Directions...

These New Directions are Captured in ADB's New Sustainable Transport Initiative (STI)

ADB has recognized the need to align its transport operations with Strategy 2020, which is based on three core pillars:

- inclusive economic growth,
- environmentally sustainable growth and
- regional integration

ADB has also recognized the need to align its transport operations with the changing needs and demands of the Asia and Pacific Region.



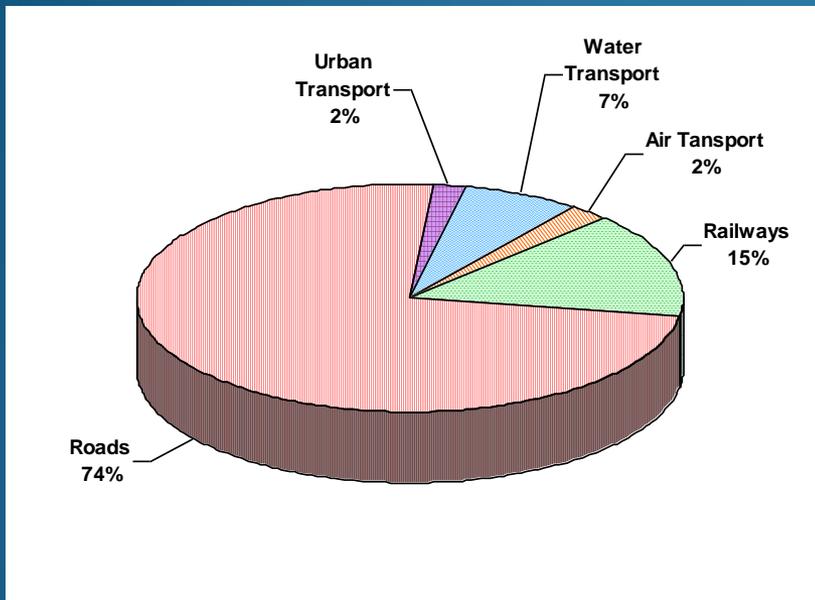
ADB's STI is the result of extensive consultation and builds upon:

- Clean Air Initiative for Asian Cities (2000-2007)
- Arrive Alive: ASEAN Road Safety and Action Plan (2005)
- Study on Transport, Energy Efficiency and Climate Change (2006)
- Sustainable Urban Transport – Case studies for 5 cities (2006-2007)
- Changing Course: A New Paradigm for SUT (2007-2008)
- Promoting Sustainable Urban Transport in Asia Project (2009)
- ADB's Transport Forum: Changing Course - Pathways to Sustainable Transport (2010)

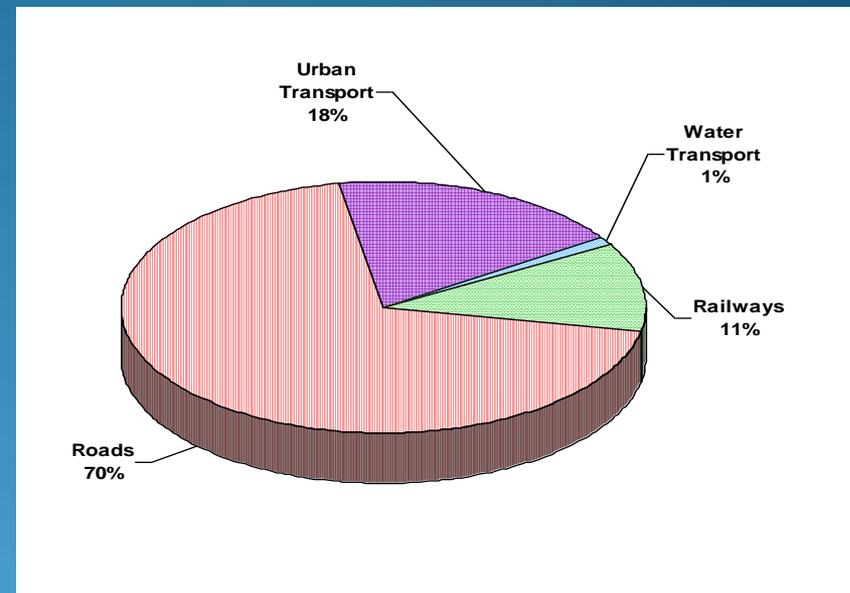
**Sustainable Transport for ADB means
developing transport systems that are
*accessible, safe, environmentally-
friendly, and affordable***

ADB's Transport Operations are Changing

1970-2009



2010-2012



ADB Road Sector Assistance...

- **Over the years, ADB's support in the Road Sector has focused on improving access, enhancing economic opportunities, and increasing mobility especially for remote rural communities and farmers.**
- **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
 - complementary investments to increase poverty reduction impacts
 - 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

Sustainable Transport Initiative Phasing

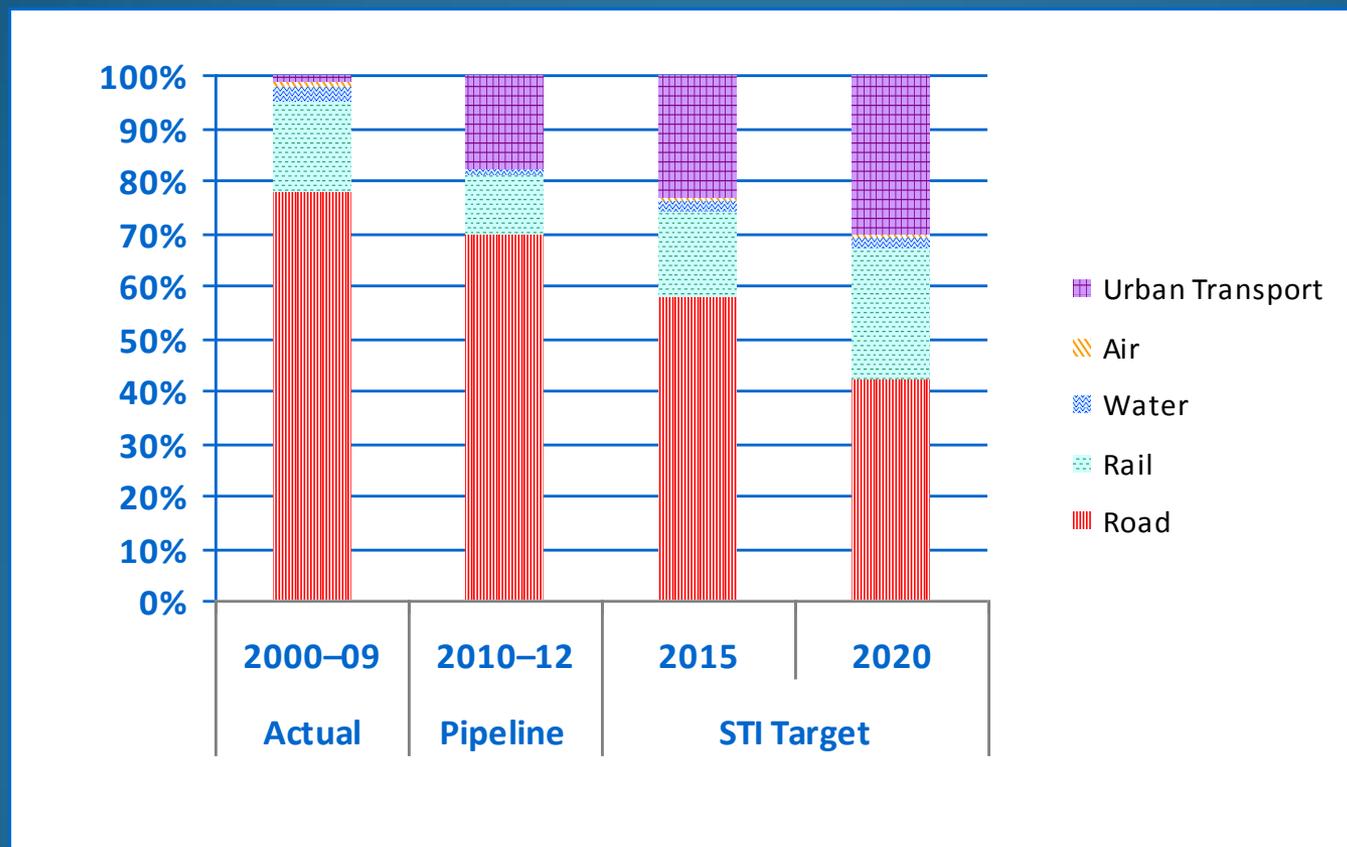
STI implementation in 3 phases



*The Sustainable Transport Initiative was approved
by ADB Management on 20 July 2010*

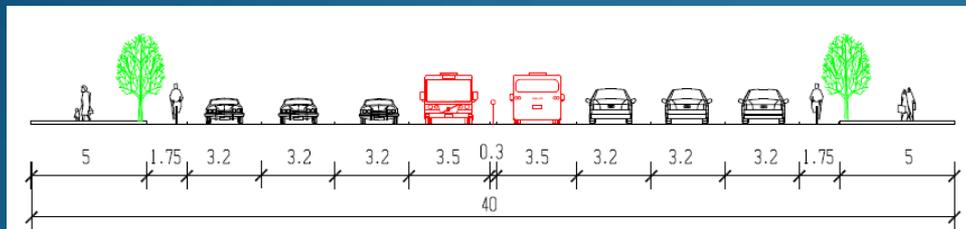
ADB

Annual Transport Lending – Actual and Targets

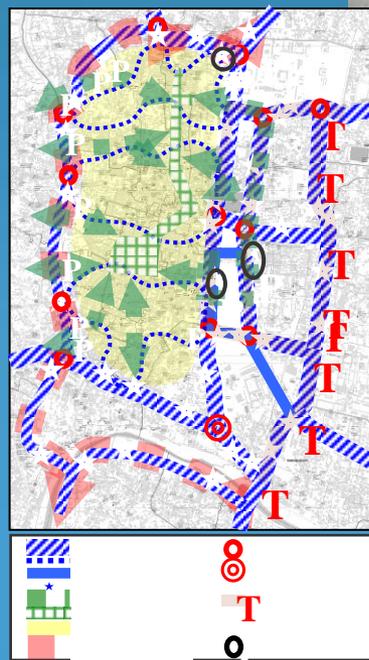


Early Opportunities: Scaling-up Urban Transport

BRT projects in Lanzhou and Pimpri, Pune, Ulaanbaatar



Metro Rail projects in Ho Chi Minh, Hanoi, Tbilisi



Integrated urban transport in Kathmandu, Dhaka, Davao, Vientiane, Xian, Yerevan

ADB

Early Opportunities: Mainstreaming Climate change:

▶ Railways

- Afghanistan: Hairatan to Mazar-e-Sharif (75km)
- PRC: Energy Efficiency and Safety Enhancement Investment program
- Cambodia: Rehabilitation 600 kms of track

▶ Road projects – national, state highway and rural roads

▶ CO₂ emitted over full life cycle

▶ Ongoing Study on Reducing Carbon Emissions from Transport Projects

▶ Impact Assessment

Afghanistan, People's Republic of China, Cambodia Bangladesh, Viet Nam, India, Azerbaijan



Carbon Footprinting of
Transport Projects

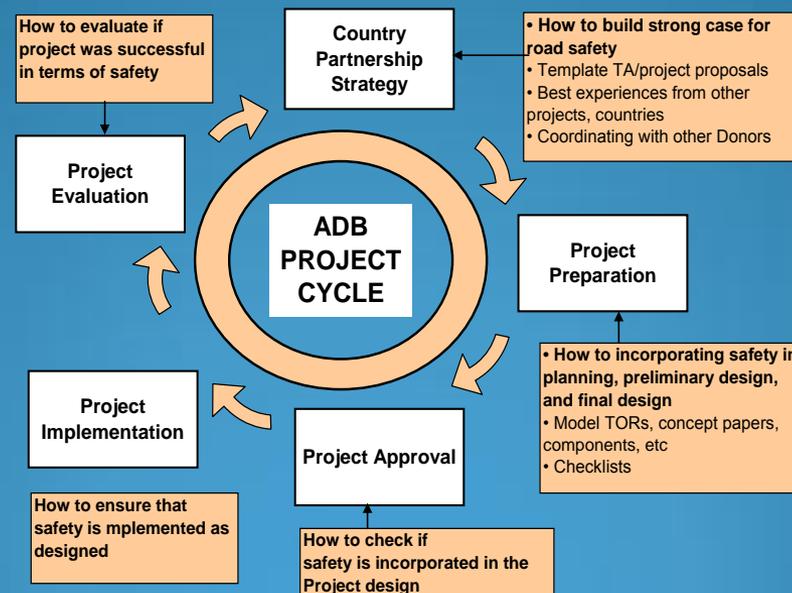
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Improving Cross-border Transport and Logistics

- Multi-country regional projects to improve border crossings
- Cross-border transport and logistics within regional cooperation programs e.g. GMS, CAREC, SAARC
- Proposed regional infrastructure integration facility, including support for Asian Highway

Supporting Road Safety Initiatives

- ADB Road Safety Action Plan under development
- Road safety components of road projects
- Stand-alone road safety projects



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

Sustainable Transport Partnership Facility

A mechanism for Development Partners to provide financing, expertise and support innovation for sustainable transport

- **Partnership Window**
 - Financing Contributions
 - Expertise Contributions e.g. KOTI, iRAP, FIA
- **Innovation Window**
 - Policy Advisory Work
 - Prefeasibility and Feasibility Studies
 - Finance “add on components” that enhance sustainability

While ADB's ***Sustainable Transport Initiative*** provides the necessary roadmap for scaling-up our support for sustainable transport, we hope that it inspires others to join us in developing *accessible, safe, environmentally-friendly and affordable* transport systems in Asia.



ADB

ADB's Sustainable Transport Initiative provides an opportunity to forge lasting partnerships that will help turn National Environmentally Sustainable Transport Strategies into REALITY.



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

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

The logo for the Asian Development Bank (ADB), consisting of the letters "ADB" in a white, serif font, centered within a dark blue square.