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Status of Efficient Urban Transportation Policies and Programs in Viet Nam

Submitted by: Viet Nam



**APEC Cooperative Energy Efficiency
Design for Sustainability - Energy Efficient
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14–16 September 2011**

 **BỘ GIAO THÔNG VẬN TẢI**
MINISTRY OF TRANSPORT



Status of Efficient Urban Transportation Policies and Programs in Viet Nam

Tran Anh Duong
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Transportation Policy Stakeholders

Central Government Level

Organization	Role/Responsibility for Transportation related Policy
Ministry of Transport	<ul style="list-style-type: none"> ➤ Formulate national transportation development strategy/master plans ➤ Review and give comments on provincial/municipal transportation development master plans ➤ Formulate and implement national regulations on safety, environmental protection and energy efficient for transport means
Ministry of Construction	<ul style="list-style-type: none"> ➤ Review and give comments on urban development master plans, urban land-use plans ➤ Review and give comments on provincial/municipal transportation development master plans ➤ Regulate civil construction activities ➤ Formulate national regulations/standards on: urban planning, urban road/street designs
Ministry of Finance	<ul style="list-style-type: none"> ➤ Formulate economic instruments related to urban transportation

Transportation Policy Stakeholders

Provincial/Municipal Government Level

Organization	Role/Responsibility for Transportation related Policy
Provincial/Municipal People's Committee	<ul style="list-style-type: none"> ➤ Formulate urban development master plan, urban land-use plan ➤ Formulate provincial/municipal transportation development master plan ➤ Regulate road transportation in urban areas ➤ Subsidize local public bus services
Dept. of Transportation	<ul style="list-style-type: none"> ➤ Implement provincial/municipal transportation development master plan ➤ Manage provincial/municipal transportation infrastructure and services
Dept. of Construction/Architecture	<ul style="list-style-type: none"> ➤ Implement urban development master plan, urban land-use plan ➤ Implement national regulations/standards on: urban planning, urban road/street designs

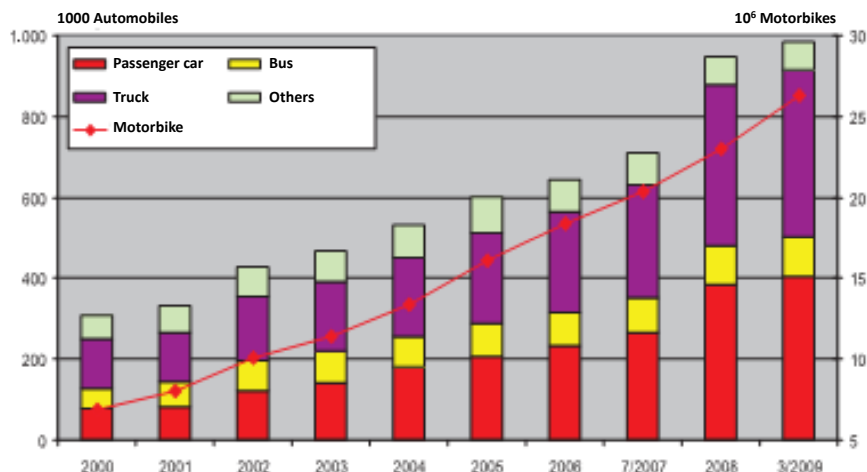
Efficient Urban Transportation Issues

- Lack of urban land for transport infrastructure (road, pavement, parking lot, car terminal, .v.v.) in large cities:
 - in Ha Noi:
 - 7.8% of urban construction land is dedicated for transport infrastructure;
 - The road density is 1.2 km/km²;
 - in Ho Chi Minh City:
 - 7.5% of urban construction land is dedicated for transport infrastructure;
 - The road density is 1.8 km/km².

(National Environmental Report - 2010)

Efficient Urban Transportation Issues

- Motorbikes are used mostly for personal transport
 - No. of motorbikes increased by 15%, automobiles increased by 11% annually
 - End of June 2011: \cong 33 mil. motorbikes; \cong 1,8 mil. automobiles



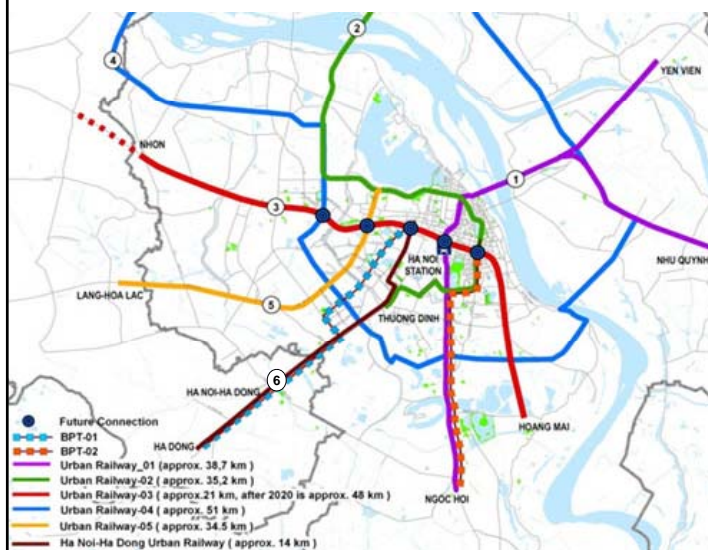
Efficient Urban Transportation Issues

- Insufficient public bus services and none mass transit systems in large cities
 - In Ha Noi: 65 public bus routes in operation to meet 9% travel demand only
 - In Ho Chi Minh City: 153 public bus routes in operation to meet 7% travel demand only



Promoting More Efficient Modes of Travel

Mass Transit

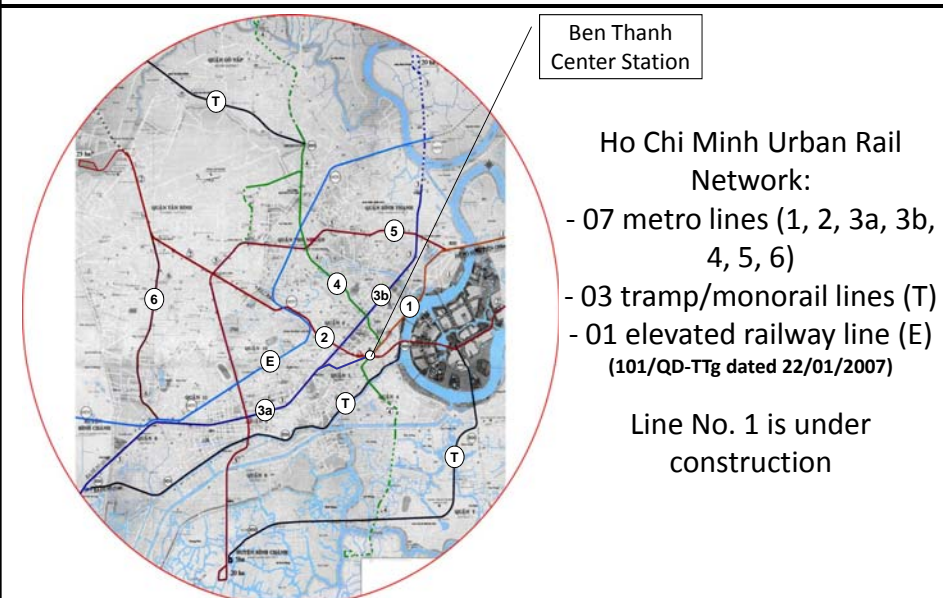


Ha Noi Urban Rail Network
- 06 lines
(90/2008/QĐ-TTg)

Lines No. 3 and No. 6 are under construction

Promoting More Efficient Modes of Travel

Mass Transit



Promoting More Efficient Modes of Travel

Mass Transit

- Enhance public bus services in large cities
 - In Ha Noi:
 - Put into services 12 new public bus routes (total: 77 routes in operation at the end of 2015)
 - 01 bus rapid transit route
 - 02 public bus routes with dedicated lanes
 - In Ho Chi Minh City:
 - Replace 1300 old public buses by 1680 new buses
- Study to design the connection between different urban transport modes in Ha Noi and Ho Chi Minh Cities

Promoting More Efficient Modes of Travel

Cleaner Vehicles



Pilot operation of CNG buses in Ho Chi Minh City and Electric sightseeing minibuses in Ha Noi

Increasing Energy Efficiency of Vehicles

Fuel Economy Standards and Emissions Standards

- Carry out study to formulate national regulations on energy efficient for road vehicles (first priority: LDV, motorbike)
- Tighten the road vehicles emission standards
 - Euro 2 emission standards have been implemented for new road vehicles since 1st July 2007
 - The evaporative emission standard will be enforced for new manufactured and imported motorbikes from 19th May 2012
 - The roadmap for application of Euro 3, Euro 4, Euro 5 emission standards for new road vehicles was submitted to PM for approval:
 - Enforce Euro 3 for motorbikes from 1st Jan. 2017
 - Enforce Euro 4 for automobiles from 1st Jan. 2017
 - Enforce Euro 5 for automobiles from 1st Jan. 2022

Increasing Energy Efficiency of Vehicles

Encouraging Purchase of Efficient Vehicles

- Reduce about 30% of the excise tax for energy efficient automobiles
- Subsidize public bus transport by provincial/municipal governments
- Charge for parking of automobiles in large cities
- Differentiate fuel prices: 1 liter E5 is 500 VND less (about 0.025 USD)

Financing Efficient Transportation Programs

Funding Sources

- Government budget
- International funding
 - Donors: Japan (JBIC), Spain, Germany (KFW), France, China
 - Lenders: WB, ADB, CTF
- Private sector
 - Operate public bus services
 - BOT for tram line No.1 in HCM City

Data Collection

Department/Agency	Description of Data Collected
Vietnam Register (Ministry of Transport)	Safety and environmental protection data of manufactured, imported road vehicles and in-used automobiles
Provincial/Municipal Department of Transportation	Public bus fleet; Public transportation outputs; Urban road infrastructures
Provincial/Municipal Department of Road Transportation Police	Registration of motor road vehicles

Thanks You For Your Attention!