

IMPACTS OF TRANSPORTATION ON URBAN DEVELOPMENT IN HANOI

Group 8

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OVERVIEW

HANOI

- ❑ **Capital city** and **second largest city** in vietnam, located in the **northern region** along the banks of the **Red River**.
- ❑ Has a population of over **28 million people**, around **27 percent** of the country's population.



TRANSPORT IN HANOI

Road Transport

- ❑ Motorcycles and cars

Water Transport

- ❑ Lot of ports, harbours, ferries

Air Transport

- ❑ Noi Bai Airport, the biggest airport in the country

Railways

- ❑ North-South; Hanoi and Ho Chi Minh City
- ❑ Eastern; Hanoi to Nanning, China

Public Transport

- ❑ Metro

OVERVIEW

TRANSPORTATION PROBLEM IN HANOI

- ❑ Road congestion
- ❑ Insufficient public transportation

HANOI'S TRANSPORTATION INFRASTRUCTURE

- ❑ Road network is insufficient due to growing population density
- ❑ Insufficient traffic management facilities e.g. traffic signals and monitoring systems

HANOI'S RAILWAY

- ❑ Railways are more connected
- ❑ **Hanoi Metro** - Vietnam rapid transit system



Hanoi's rush hour traffic congestion



The first Hanoi metro train too soon enter test

TRENDS

MODERNISATION



CAR-BASED CITY



**SEPARATE RESIDENCES
FROM WORKPLACES**

ISSUES



**TRAFFIC ISSUES
AND POLLUTION**



**DESTRUCTION OF
PUBLIC SPACE**



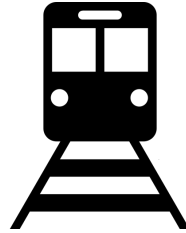
**INCREASING
INEQUALITY**

KEY ISSUES : TRANSPORT INFRASTRUCTURE



ROAD NETWORK

- ❑ Insufficient in terms of *density, linkage, and operating systems*
- ❑ The bottlenecks & missing networks
- ❑ Lack of knowledge on road structural design



RAILWAYS

- ❑ Single track & on the ground level



Consequences

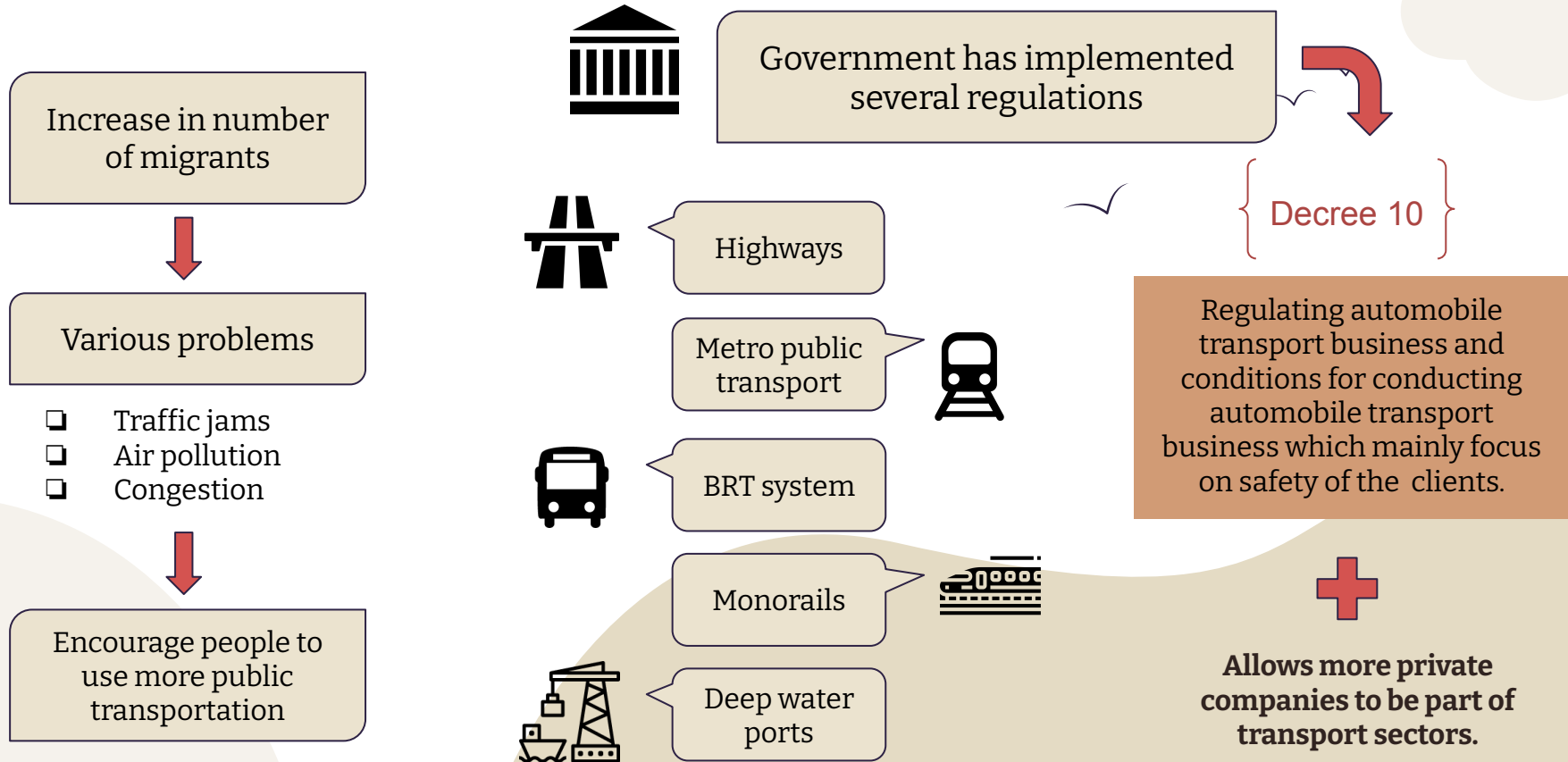
- ❑ **Traffic congestion**
- ❑ **Traffic pollution**



INLAND WATERWAYS

- ❑ Less provided (only for export and import)
- ❑ Improper routes to transport

GOVERNMENT STRATEGIES



THE ROLE OF VARIOUS DEVELOPMENT ACTORS

RESPONSIBLE AGENCY:

- ❑ The Ministry of Transport response
- ❑ Hanoi people's committee
- ❑ National Traffic Safety Committee
- ❑ Transport Management and Operation Center

SOURCE OF FUNDING:

- ❑ Government
- ❑ Japan Bank for International Cooperation
- ❑ Japan International Cooperation Agency
- ❑ Asian development Bank
- ❑ European Investment Bank.
- ❑ World Bank
- ❑ Finland
- ❑ France

Sector	Responsible Agency	Project Name	Scope	Funding	Status	Outline
Road, Rail, IWT, Seaport, Airport	MOT	5-Year plan 2006-2010	Whole Country	GOV	2006-2010	- Standardization of NHs - Standardization of main rails - New Yen Vien-Pha Lai-Ha - Long-Cai Lan Line Construction - Urban railway in Hanoi, - HCMC - Standardization of main river routes 24 hours operation system
Road	PMU5, MOT	Updating the Vietnam Rural Transport Development Strategy	Whole Country	GOV	-2006	- Rural Transport - Development Plan
		Hanoi Urban Transport Development Project (HUTDP)	Hanoi	WB	-2020	- BRT Component - Road Component - Institutional Strengthening Component
	HPC	Hanoi Urban Transport Projects in Hanoi (TIDP)	Hanoi	JBIC	1999-	- Nga Tu Vong Flyover - Kim Lien Underpass - Nga Tu So Flyover - Huu Hong Dyke Road & - South Thang Long Bridge Junction - Kim Lien-O Cho Dua Road - Nam Trung Yen - Resettlement Area
	Thang Long, MOT	Red River Bridge Construction Project	Thanh Tri	JBIC	Ongoing	Thanh Tri Bridge
	Thang Long, MOT	Nhat Tan Bridge Construction Project	Nhat Tan	JBIC	Proposed	Nhat Tan Bridge
Rail	HPC	Long Bien Bridge Rehabilitation Project	Long Bien	French ODA	Request	- Long Bien Bridge - Rehabilitation
	HPC	Hanoi pilot urban railway construction project (Nhon-Hanoi Station)	Hanoi	France, AFD, ADB, European Investment Bank	2006-2010	Railway:Nhon-Hanoi Station
	TS-PMU, NTSC	M/P on traffic safety	Whole Country	JICA	Request	Traffic safety master plan
Traffic Management, Traffic Safety	NTSC	VRSP	Whole Country, NH1, NH 51	WB	2006-2010	5 Year Plan - Program Implementation - Research and development - Human Resource - Development - Institutional Development
	TUPWS, DTP	The project for Capacity Building of Human Resources of Traffic Safety in Hanoi	Hanoi and neighboring areas	JICA	2006-2009	- Research and development - Human Resource - Development
Road Maintenance	MOT, VRA	TAs for road maintenance	Whole Country	JBIC, Finland, ADB, WB	2003-2010	- National Road Management System - National Bridge - Management System

Source: "The 11th transport partnership meeting" presentation material (JBIC, 2005).
 Note: TS-PMU: Traffic Safety Projects Management Unit.

LESSONS LEARNED

PROBLEM

NOT FOCUS ENOUGH ON PUBLIC TRANSPORT MODE

- ❑ The current developing plan are not focusing on walking, cycling and public transport.

POOR CITY AND GOVERNMENT MANAGEMENT

- ❑ Poorly structured city plan which was not prepared for the rising number of cars and motorcycles.
- ❑ Limited budget
- ❑ Density of the population
- ❑ Public transport do not cover all area

SUGGESTION

TRANSPORT MODE

- ❑ Waterway
- ❑ Connect transport mode

RESTRUCTURE CITY PLAN

- ❑ Decentralize



Q&A