



# Sustainable Mass Transit in Thailand in view of NESDB

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## National Economic and Social Development Board

Arkhom Termpittayapaisith  
Deputy Secretary General

August 27, 2009 at 10.30-10.50 Imperial Queen's Park Hotel, Soi Sukhumvit 22

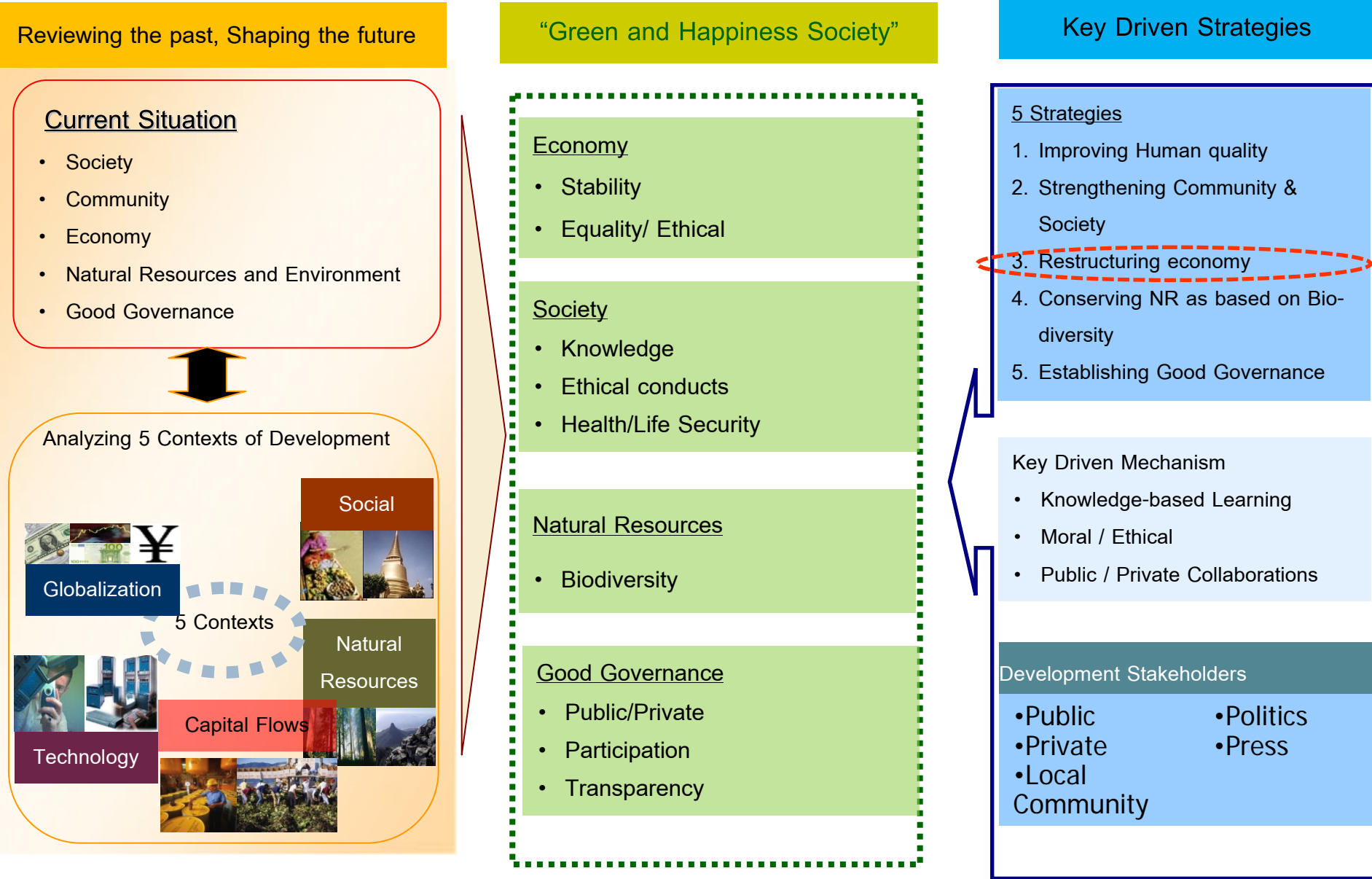
# Outline

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- National Plan and Government Policy
- Master plan Mass Transit development
- Investment and Business opportunity
- Next Challenge

# Conceptual Framework of the 10<sup>th</sup> Plan:

## Goal and Position of Thailand



## Developing Enabling Factors as to Support Restructuring in Real Sectors

### (1) Knowledge management in a systematic/holistic way

- Developing HR in S&T in terms of quantity and quality
- Developing knowledge and technology
- Promoting R&D and innovation for commercialization
- Developing adequate infrastructure for S&T, R&D and innovation

### (2) Develop infrastructure and services in logistics

- **Developing infrastructure in transportation and logistics management** including telecommunication that are up to date and efficient
- Managing services of infrastructure in line with transparency, efficient allocation, and participation from all stakeholders

### (3) Implementing international policy, investment promotion, and build up cooperation with neighboring countries in ways to support economic restructuring and competitiveness enhancement of the nation including social development



# Government Policy (Mr. Abhisit Vejjajiva) Relate to Mass Transit

## Urgent Policies to be Implemented in the First Year

- 1 Boost confidence in and stimulate the overall economy in order to promote investment and consumption among the people and private sectors
  - 1.1.7 Enhance investment to stimulate the development of the country by giving priority to investment projects with high returns to create a favorable investment climate, raise the quality of life of the people and enhance the competitiveness of the country, particularly investments on upgrading of the quality of education at all levels, improvement of the health service structure with an emphasis on disease prevention and health promotion, **development of mass transit system**, and development of water management and irrigation system; enable these projects to begin in 2009.

## Four years Policy on Economics

### Policy on Development of Infrastructure to Raise the Quality of Life and Increase Competitiveness

- 4.3.4 **Develop a complete mass electric train system network** in Bangkok and surrounding areas as well as trains in suburban areas to link to mass electric train system network and other mass transport systems in a fast, efficient and convenient way at appropriate prices as well as expand development of mass transport system to major cities in the region.
- 4.3.9 Promote research and development of manufacturing industry related to transportation such as ship construction, **train and electric train construction** while promoting the transfer of technology in production and management in a continuous and effective manner.
- 4.3.10 Expedite solving of problems related to environment as a result of mega projects by **enhancing public participation** process; improve management structure, and regulate development and services of infrastructure to protect consumers and to ensure fair competition.

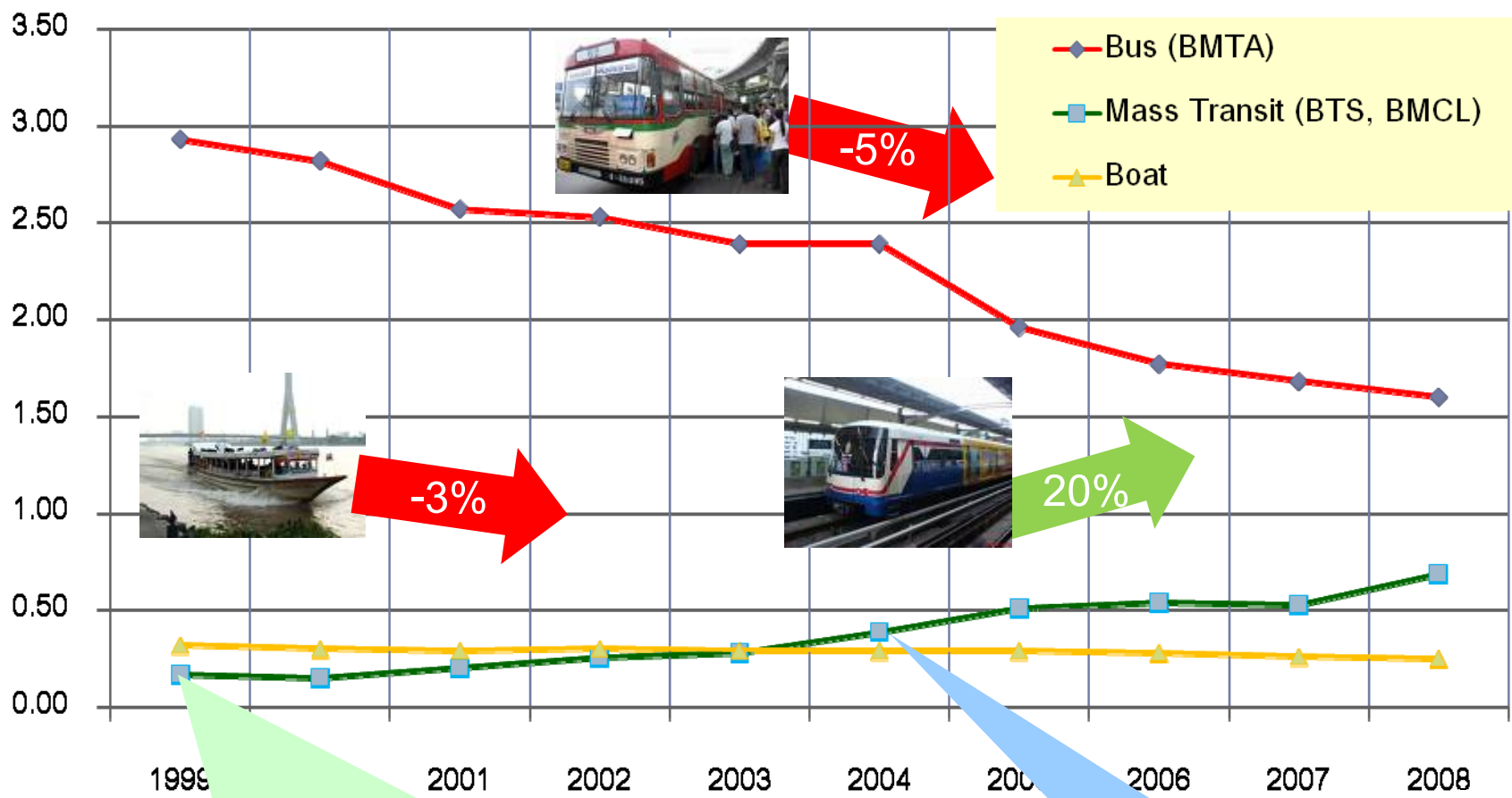
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# Current situation Public Transport in Bangkok and vicinity area (1999-2008)

Unit : Mil-Passenger – Trip/day



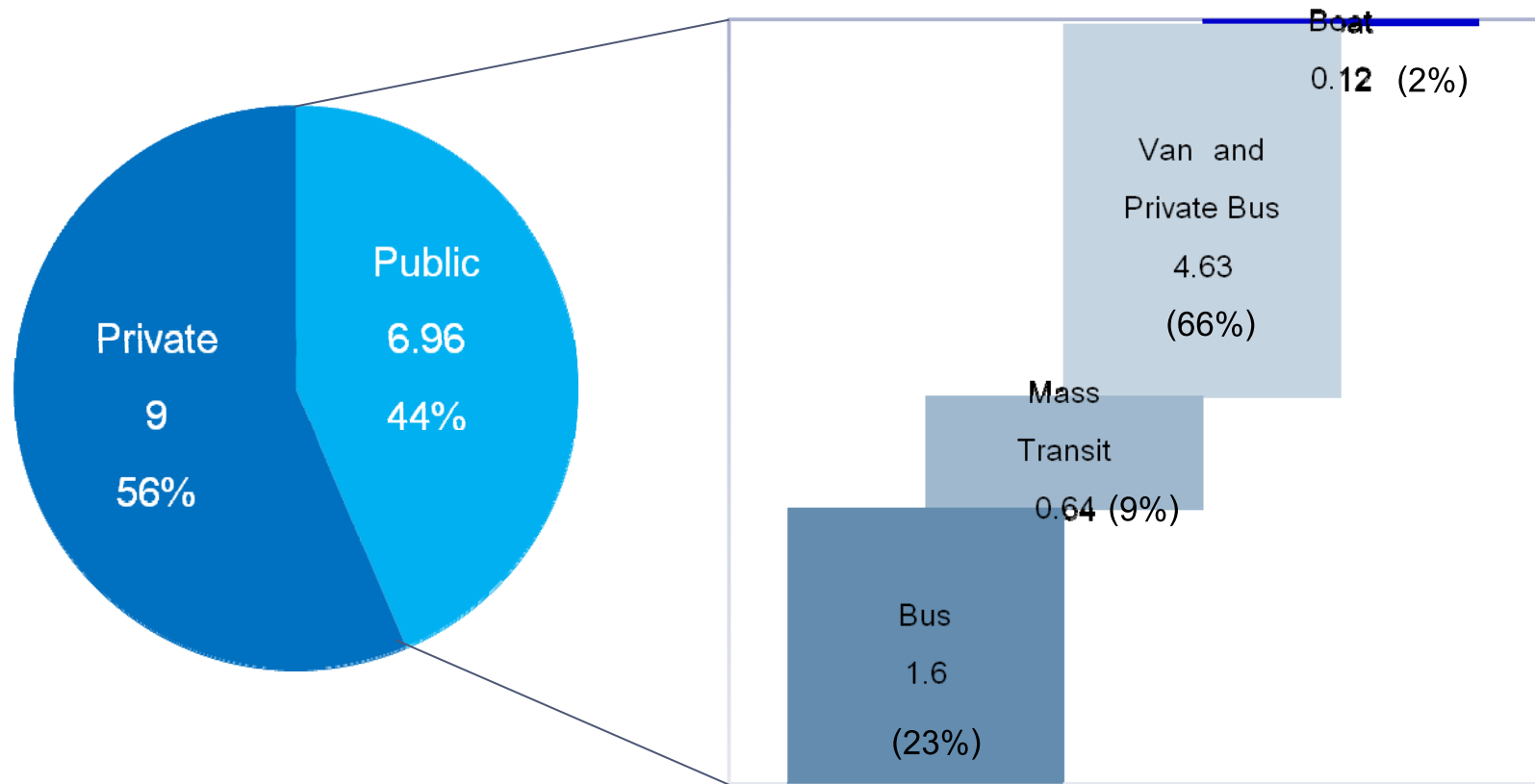
Green line Operate (BTS Light Green (Mo Chit-On Nut) and Dark Green (National Stadium-Wongwian Yai) 23 Km.

Blue line Operate (Hua Lamphong-Bang Sue) 20 Km.

Source : Ministry of Transport

# Transport Mode in Bangkok and vicinity area in 2008

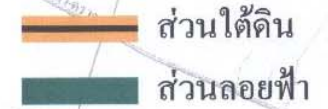
Unit : Mil-Passenger – Trip/day



Source : Ministry of Transport



Distance 291 Km. 7 lines



# Mass Transit Master Plan

Cabinet Approval on March 18, 2008

Distance 300 Km. Investment 770,734 Mil-Baht

**Bangsui-Talingshun  
(Cabinet Approval)  
(15 km.)**

**Bangsui-Rungsit  
(Cabinet Approval)  
(26 km.)**

**3. Morchit-Sapanmai  
(Ongoing Project) (13 km.)**

**5 . Bangkapi-Bangbamru  
(Plan) (24 km.)**

**7 . Bangkapi-Minburi  
(Plan) (27 km.)**

**9 . Airport Rail Link  
(Ongoing Project)  
(28 km.)**

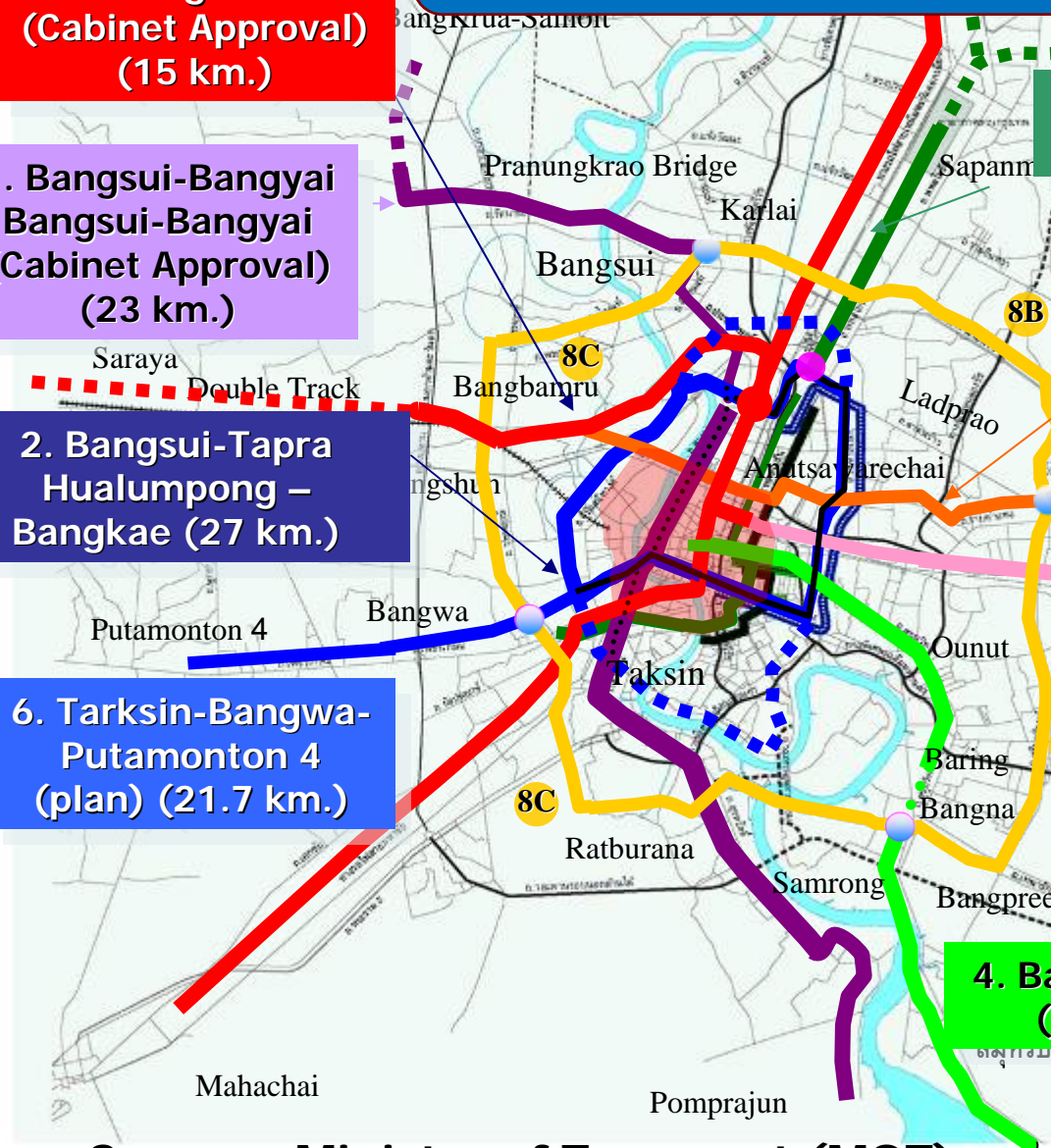
**8. Outer ring (A-D)  
(Plan) (95 km.)**

**4. Baring-Samgrong-Smutprakarn  
(Ongoing Project) (14 km.)**

**1. Bangsui-Bangyai  
Bangsui-Bangyai  
(Cabinet Approval)  
(23 km.)**

**2. Bangsui-Tapra  
Hualumpong –  
Bangkae (27 km.)**

**6. Tarsin-Bangwa-  
Putamonton 4  
(plan) (21.7 km.)**

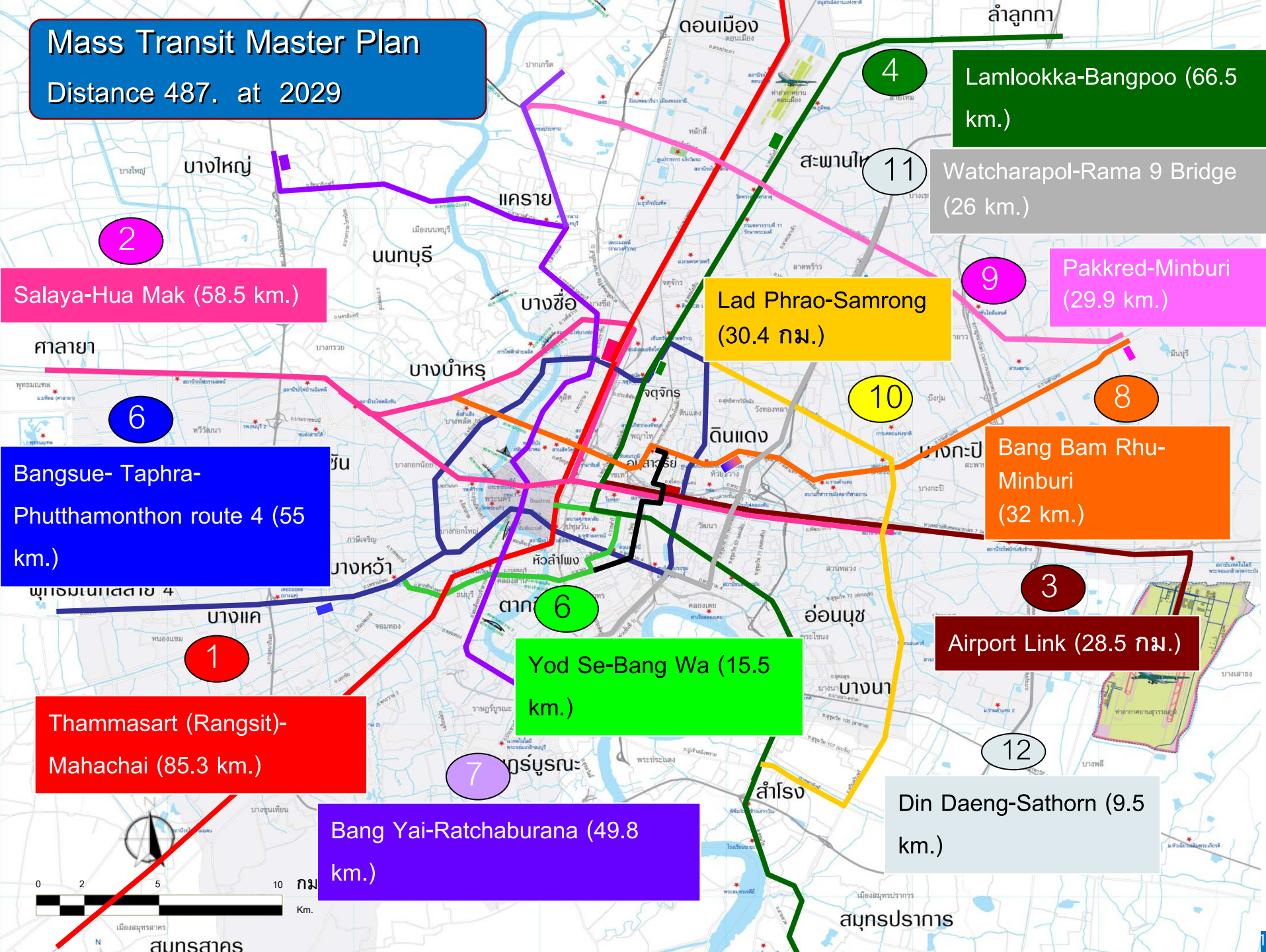


Source : Ministry of Transport (MOT)



# Mass Transit Master Plan

Distance 487. at 2029



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# Stimulus Package II

## Rationales

- On January 13, 2009, the Cabinet approved the First Stimulus Package (SP I) worth 116,700 Mil-Baht (3,334 Mil-US\$) in order to cushion the immediate impact from global financial crisis during Q2-Q3/ 2009
- IMF forecasted that the world economy would contracted by 0.5-1.0% and recovery would be prolonged. Consequently, Thai economy, specially unemployment, would be severely affected
- Thus, Thai government have initiated the Second Stimulus Package (SP II) (2010-2012) in order to create jobs and generate incomes through public projects investment, aiming to enhance Thailand's competitiveness and to induce private investments in the future

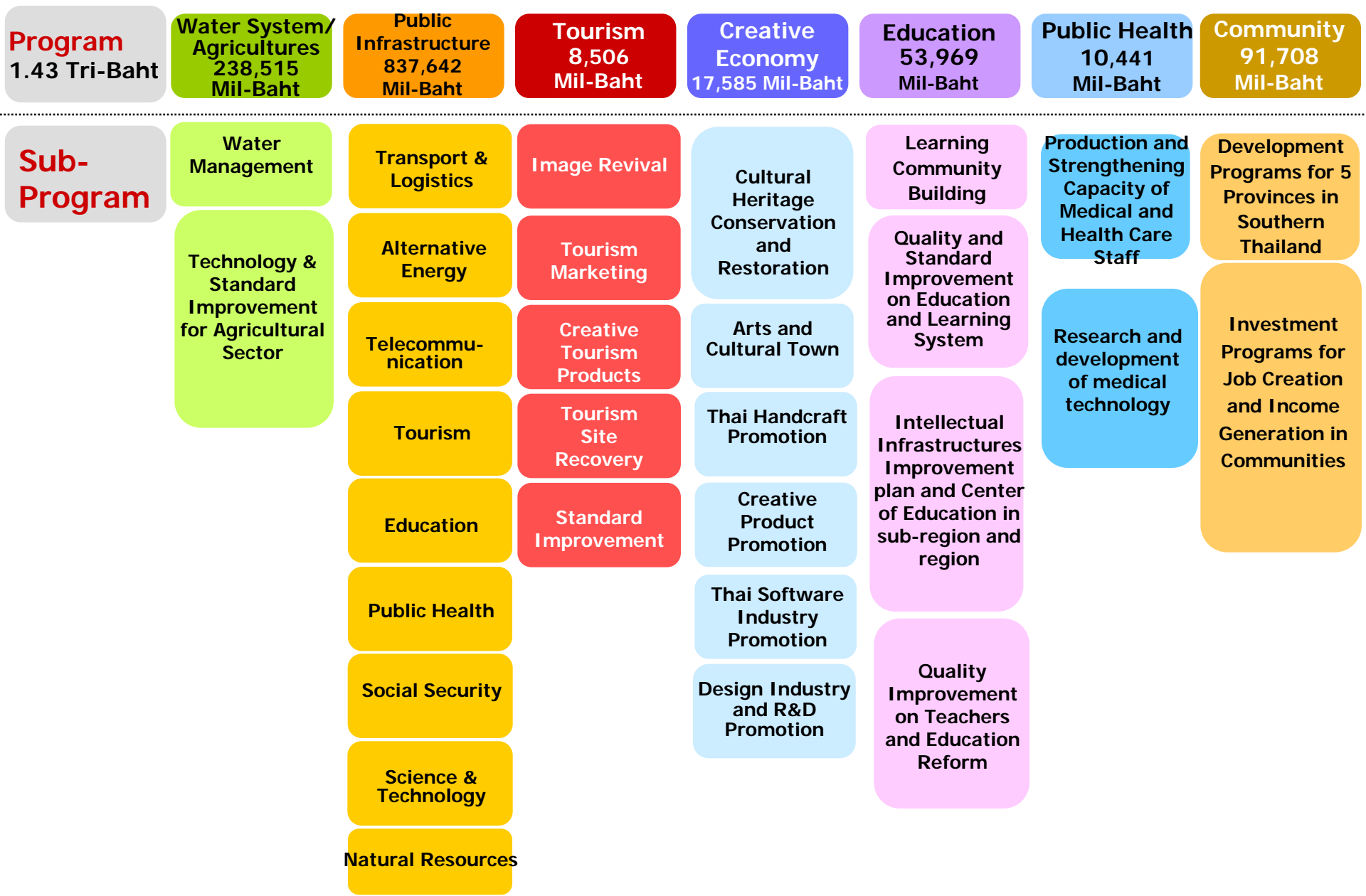
## Objectives

1. To enhance food and energy security, including increase productivity of agricultural and industrial sectors
2. To upgrade public infrastructures for both economic and social services to improve economic competitiveness and quality of life
3. To improve income-generating capacity of tourism sector
4. To create new income-generating sectors in the Creative Economy.
5. To upgrade quality of education and holistically modernize learning system
6. To raise quality of public health care system for all Thais
7. To create jobs and increase incomes for people at community levels in order to improve their quality of life

## Targets

1. Stimulate the economy through an increase in government spending by 5% of Gross National Products and open up opportunities for private sector participation in public investments under this program
2. Create new jobs for approximately 1.6 Mill. people within the next 3 years, expected to serve around 85% of unemployed in 2009
3. Distribute investment budgets for various public infrastructures in rural areas

# Stimulus Package II



# Cabinet Resolution on 6<sup>th</sup> May 2009 for Final Stimulus Package II

Unit : Mil-Baht

Sector	Cabinet Resolution 7 <sup>th</sup> April 09	Cabinet Resolution 6 <sup>th</sup> May 09			
		Tier 1 *	Tier 2 **	Tier 3 ***	Total
1. Water System	230,645	222,477	7,224	8,814	238,515
2. Public Infrastructures	967,134	546,816	165,904	124,921	837,642
2.1 Transport & Logistics	676,251	335,893	164,285	71,344	571,523
2.2 Alternative Energy	212,893	156,621	0	49,184	205,805
2.3 Telecommunication	28,254	24,811	0	0	24,811
2.4 Tourism	10,237	5,638	0	4,393	10,031
2.5 Education	83,269	74,659	9,346	-	84,006
2.6 Public Health	89,614	87,793	549	616	88,958
2.7 Social Security	15,154	8,482	0	0	8,482
2.8 Sciences & Technology	11,900	11,202	928	0	12,130
2.9 Natural Resources	12,445	4,169	691	0	4,860
3. Tourism	6,637	3,939	620	3,947	8,506
4. Creative Economy	20,134	3,818	13,768	0	17,585
5. Education	60,145	53,969	-	-	53,969
6. Public Health	9,290	10,441	-	-	10,441
7. Projects for communities	100,000	59,761	31,600	348	91,708
<b>Total</b>	<b>1,566,867</b>	<b>1,063,673</b>	<b>229,011</b>	<b>138,646</b>	<b>1,431,330</b>

\* Tier 1: Ready to implement and reimburse during 2009 and/or beginning of 2010 fiscal year

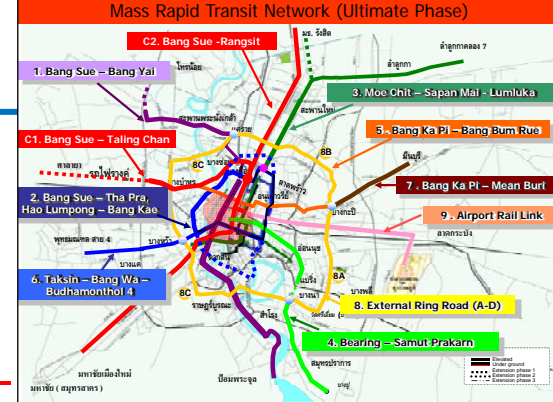
\*\* Tier 2: Ready to implement and reimburse within 2010

\*\*\* Tier 3: Ready to implement and reimburse by 2011



## Mass Transit

1. **Red Line** Taling Chan – Bang Sue and Bang Sue – Rangsit
2. **Purple Line** Bang Sue – Bang Yai
3. **Blue Line Extension**  
(Bang Sue – Tha Pra and Hao Lumpong – Bang Kae)
4. **Green line extension** (Mochit-Saparnmai and baring – Samutprakarn)



- Investment approximately 162,060 Mil-Baht (2010-2012)
- Distance 118 Kilometer
- Responsible Agency SRT (41 km) MRTA (77 km)





Public-Private Partnership : Joint Investment/Concession

Rolling Stock and Signaling System for Mass transit  
Projects



Construction and Equipment Supply

Civil Work and Rolling Stock equipment for Mass Transit



Management Contract and Consultancy Services

Project Management Consultant/Advisory Services Etc.

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- Government Policy consistency on Mass Transit
- Land use and Urban Development Direction
- Private sector participate in Mass Transit
- Common Ticket and Clearing house implement
- Manufacture and Production for Rolling Stock and Signaling system in Thailand