



JICA's Cooperation in Urban Transportation Sector in the JABODETABEK Area

JICA Indonesia Office

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Japan International Cooperation Agency



Outline

- 1. History of JICA's Cooperation**
- 2. Current Traffic Issues in JABODETABEK**
- 3. JICA's Recent Cooperation in JABODETABEK**
- 4. Future Approach**



1. History of JICA's Cooperation

20% of Metropolitan toll roads (343 billion JPY*) since 1970s



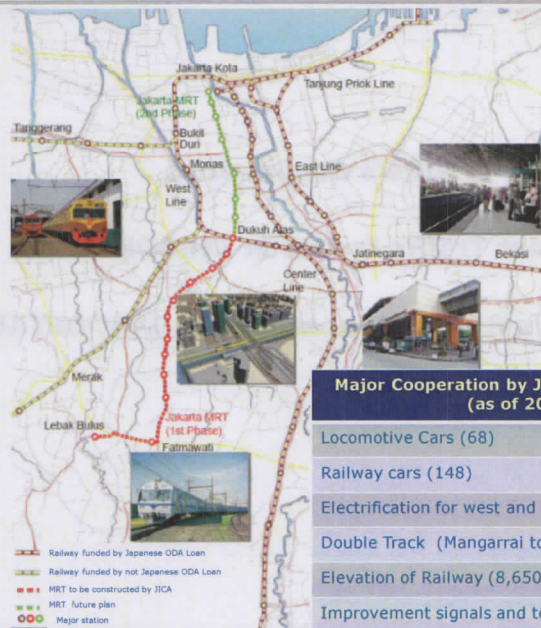
*ODA loans

2



1. History of JICA's Cooperation

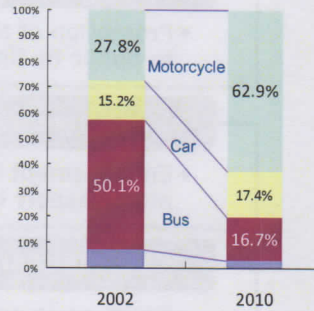
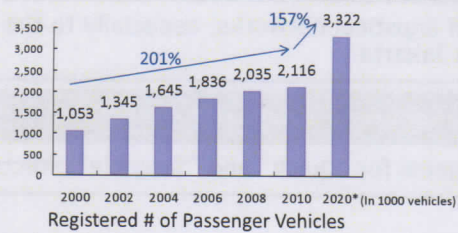
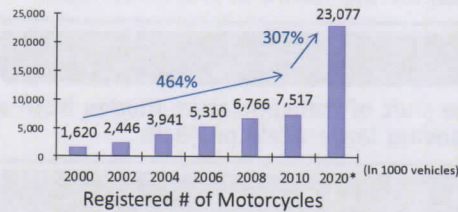
Major railway system in JABODETABEK has been funded by Japan's ODA since 1960s



2. Current Traffic Issues in JABODETABEK

Public transportation plays only a minor role

- The number of registered motorcycles and passenger vehicles continues to increase drastically, whereas the share of bus in transportation use has decreased over the past 10 years.



Change in Modal Shares

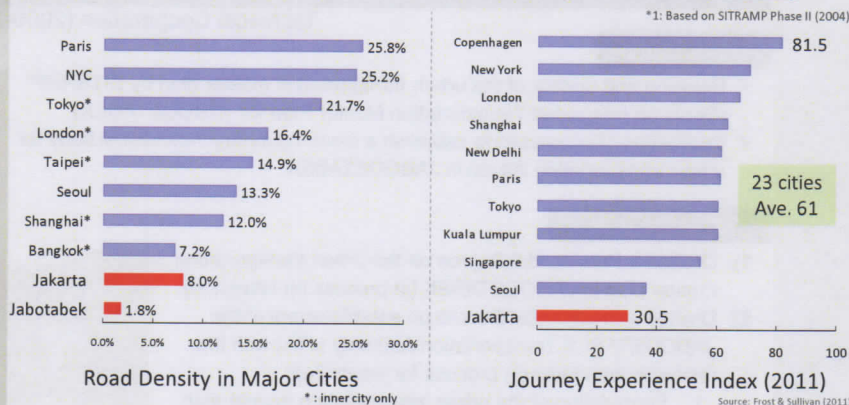
Source: JUTPI Commuter Survey, 2010

Source: Polda MetroJava, *: estimate

2. Current Traffic Issues in JABODETABEK

Road density & commuting: Jakarta/ Metropolitan area among the worst in the world

- High traffic growth makes the current road capacity insufficient
- Jakarta is ranked the least satisfied city for commuting (among 23 major cities)
- Economic losses from traffic problems: **Rp 65 trillion (2002-2020 cumulative)*1**



Source: Sustainable transport development in East Asian mega cities(2005) [except Jakarta & Jabodetabek], dalam angka 2010 (for Jakarta), Study on Integrated Transportation Master Plan for JABODETABEK(II) (2002) (for Jabotabek)

A comprehensive approach of countermeasures is needed to meet the increasing traffic demands



3. JICA's Recent Cooperation in JABODETABEK

Comprehensive approach from policy integration to small projects

1) Policy Integration

- Integration of urban transportation policies and macro-development plan for the future of JABODETABEK

2) Modal Shift

- Promotion of the shift of transportation modes from auto to public by financing large-scale projects

3) Improvement of Road Network

- Enhancement of logistical networks, especially to the main seaport in Jakarta

4) Further Enhancement Measures

- Small-scale projects for "Quick" and "Tangible" effects

6



3-1). Policy Integration (1)

Integration of urban transportation policies

Project on JABODETABEK Urban Transportation Policy Integration (JUTPI)

Technical Cooperation (2009-2012)

Project Outline

- ✓ Revision and update of the urban transportation master plan by SITRAMP (Study on Integrated Transportation Master Plan for JABODETABEK)
- ✓ Facilitation of processes to establish a cross-boundary/institutional body for urban transportation issues in JABODETABEK

JICA's Contribution

- 1) Drafted a Presidential Decree on the urban transportation master plan in JABODETABEK (in process for issuance)
- 2) Drafted a Presidential Decree on establishment of the JABODETABEK Transportation Authority (JTA) with the following mandates (in process for issuance):
 1. Formulation of the urban transportation master plan
 2. Monitoring of projects by transportation authorities
 3. Implementation of cross-boundary/institutional projects



7



3-1). Policy Integration (2)

Macro-development plan for the future of JABODETABEK

Study on Master Plan for Establishing Metropolitan Priority Area (MPA) for Investment and Industry in JABODETABEK Area

Technical Cooperation (2011 – ongoing)

Project Outline

- ✓ Cabinet-level initiative between GOI and GOJ to make JABODETABEK an attractive target of investment through the development of key infrastructure by 2030
- ✓ Identification of Fast-Track Projects (to start construction within 2013) and Priority Projects (to be completed by 2020)

Outputs of Study

- ✓ Master plan with 18 Fast-Track and 27 Priority Projects was agreed by cabinet members of both GOI & GOJ on October 9, 2012
- ✓ Some of key urban transportation projects was proposed, such as;
 - Jakarta Mass Rapid Transport (MRT)
 - Metropolitan Arterial Road Improvement Project
 - Station Plaza and Park & Ride System Enhancement
- ✓ Follow-up study of MPA master plan has been started in May 2013

8



3-1). Policy Integration (2)

Macro-development plan for the future of JABODETABEK (cont'd)

Conceptual Chart of MPA (Vision to 2030)



Source: MPA Study Team based on Regional Spatial Plan Jabodetabek-punjur (Presidential Decree No.54/2008)

9



3-2). Modal Shift

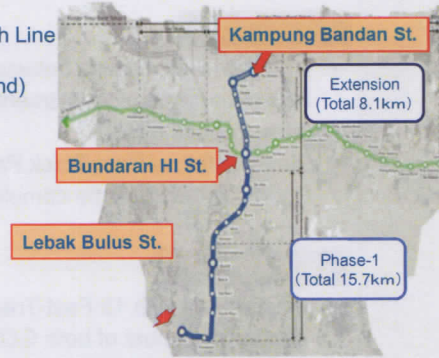
Modal shift from auto to public transportation

Jakarta Mass Rapid Transport (MRT)

Loan (2006 – ongoing)

Project Outline

- ▶ Construction of Jakarta MRT North-South Line
 - Total 23 km (10km above ground, 13km underground)
- ▶ N-S Phase1:
 - Lebak Bulus~ Bundaran HI
 - Total Length :15.7 km
- ▶ N-S Phase 2:
 - Bundaran HI ~ Kampung Bandan
 - Total Length : 8.1 km



JICA's Contribution

- ▶ N-S Phase 1:
 - 1st Loan for construction committed
 - Under Bidding Process
- ▶ N-S Phase 2:
 - Feasibility Study (F/S) has been conducted
 - Listed in Blue Book for Engineering Service
- ▶ East-West Line:
 - F/S has been conducted.



Block M Station

10



3-3). Improvement of Road Network

Enhancement of logistical network to the main port

Tanjung Priok Access Road Construction Project

Loan (2005 – ongoing)

Project Outline

- ▶ Construction of direct access roads to connect the Tanjung Priok International Port to the northeast of Jakarta Outer Ring Road and coastal road (12 km).
- ▶ Japan's expertise in road construction will contribute to adopting advanced technology



Overall Scope of the Project



JICA's Contribution

- ▶ A total of 53 billion yen I loans
- ▶ E-1 portion Completed (2010)
- ▶ NS-Link, E-2 and E-2A have been under construction

Greater Jakarta Area

11



3-4). Further Enhancement Measures

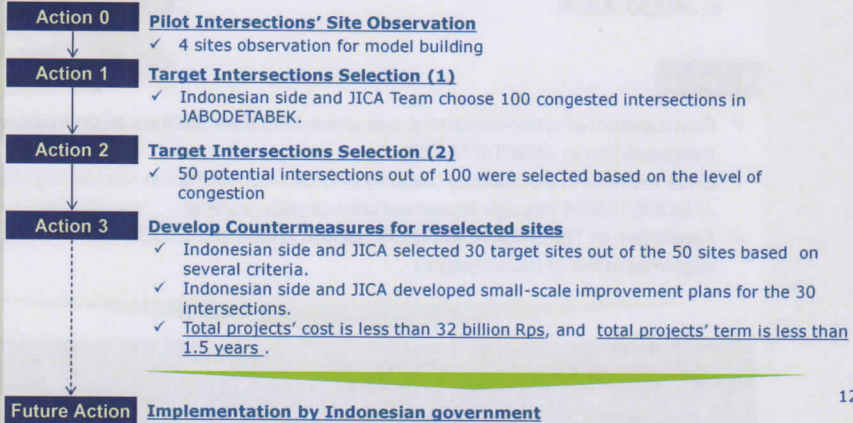
For Improvement of traffic management at intersections

Study on the Improvement of Traffic Congested Intersection in JABODETABEK Area

Study Duration

✓ March 2012 ~ November 2012 (9 months)

Flow of the Study



12

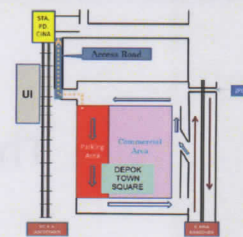


3-4). Further Enhancement Measures (2)

Pilot implementation of small-scale projects by JUTPI (Phase 1)

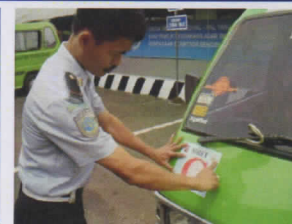
Park and Ride in Depok City

- ▶ **Project Duration:**
January to March, 2011 (3 months)
- ▶ **Project Site:**
Pondok Cina Station in Depok City
- ▶ **Project Activities**
 - Construction of a pedestrian way and its roof
 - Remove street vendors and parking space alongside of railway
 - Discount parking fare for P&R users (6,000 rupiah per day ⇒ 2,000 rupiah per day)



Mobility Management in Bogor City

- ▶ **Project Duration:**
September 2010 to September 2011
- ▶ **Project Site:**
Two (2) bus route for "Angkot (Minibus)"
- ▶ **Project Activities:**
 - Introduce three (3) shifts system in the two (2) bus routes in order to reduce oversupply of Angkot





4. Future Approach

New project, JUTPI Phase 2, to focus on tangible improvement

JABODETABEK Urban Transportation Policy Integration Project Phase 2 (JUTPI Phase 2)

Technical Cooperation (2013 – 2016)

Concept of the Project

- ✓ To facilitate "REAL" transportation improvement in JABODETABEK

Outputs

- ✓ Development of cross-ministerial and cross-boundary platform to promote urban transportation in JABODETABEK
- ✓ Enhancement of institutional capacity of urban transportation related organization in JABODETABEK through implementation of pilot projects
- ✓ Facilitation of Transit Oriented Development (TOD) in JABODETABEK through implementation of model project



Emphasis not only on policy integration and mega projects, but also on small-scale projects for quick & tangible improvement

14



Thank you for your attention

15