

Status of

Environmentally Sustainable Transport

In Brunei Darussalam



*3rd Regional Environmentally Sustainable Transport (EST) Forum
Singapore*

17 March 2008

Country's Vision

- **The accomplishments of its Well - Educated and Highly Skilled People**
- **The Quality of Life**
- **The Dynamic, Sustainable Economy**

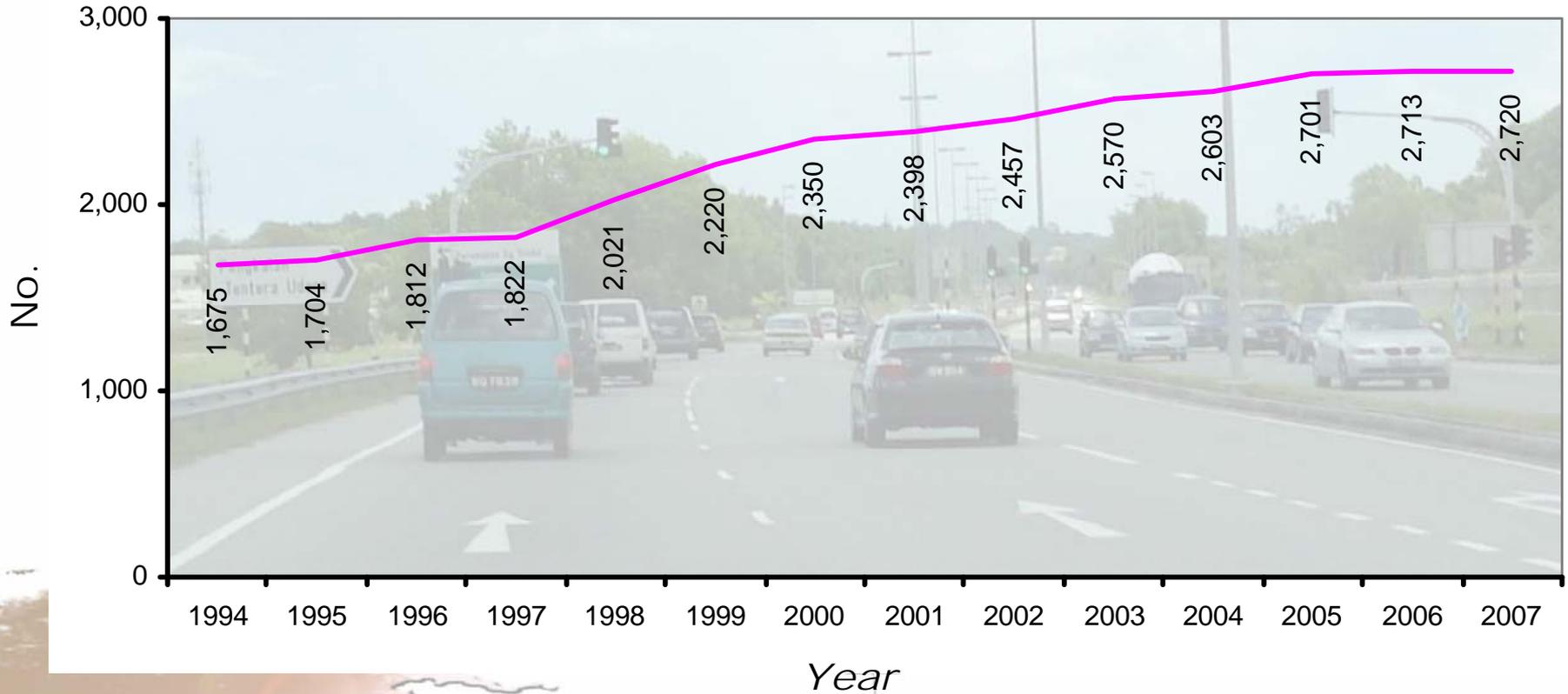


Challenges

- Imbalance & rapid Commercial Development in Urban areas
- Constraint Land Use Planning (Urban areas)
- Increase car ownership; Total Vehicles 360,000 (as of 2006)
- Decline demand for public transport (Buses & taxies)
- Insufficient Public Transport facility
- Traffic Congestion @ major junctions & schools routes
- Road Safety – Increase fatality in road accident
- Avg. BND\$ 0.5 Billion spent on Roads Infrastructures in every NDP(5 yrs)

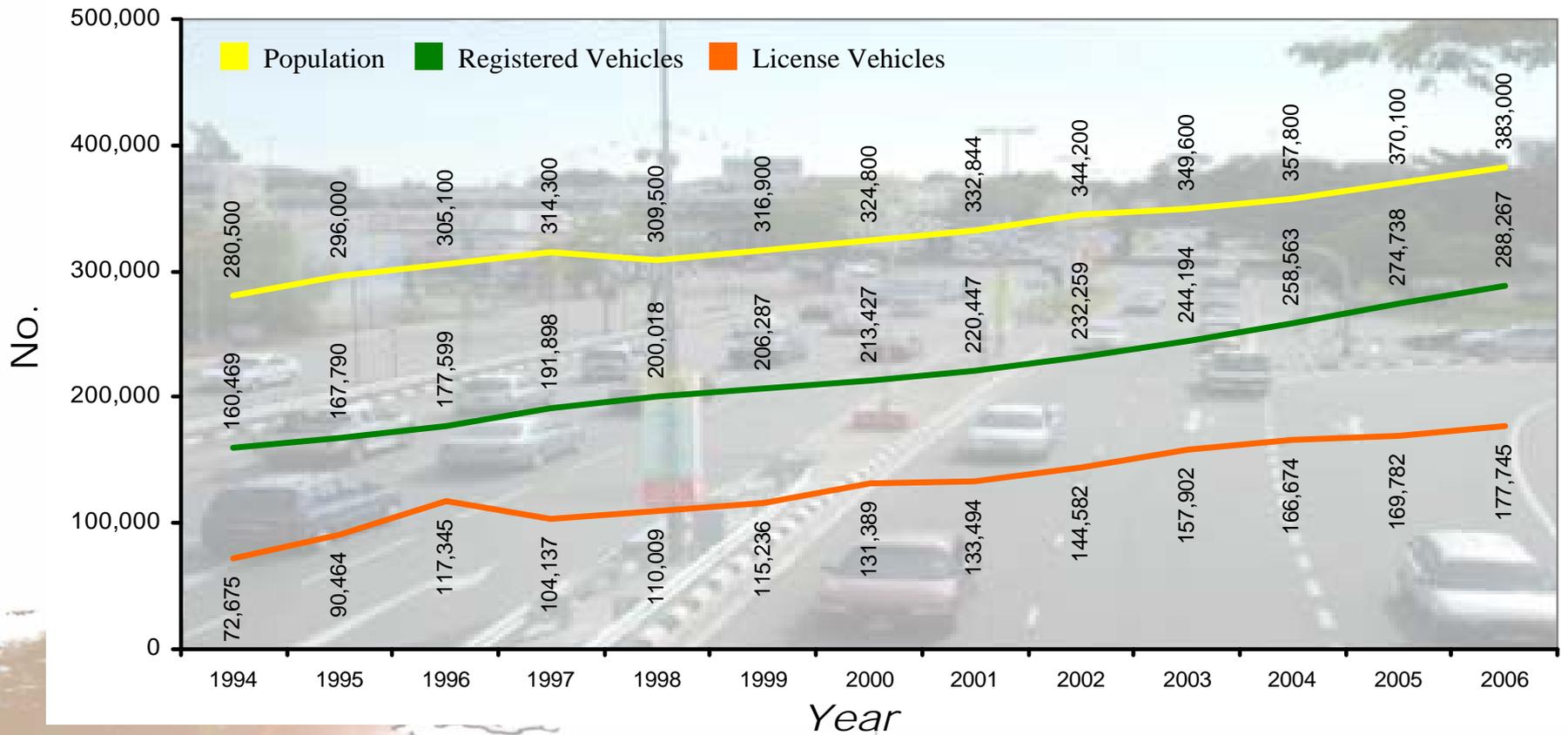


Transport Trends - Road Length (carriageway KM)



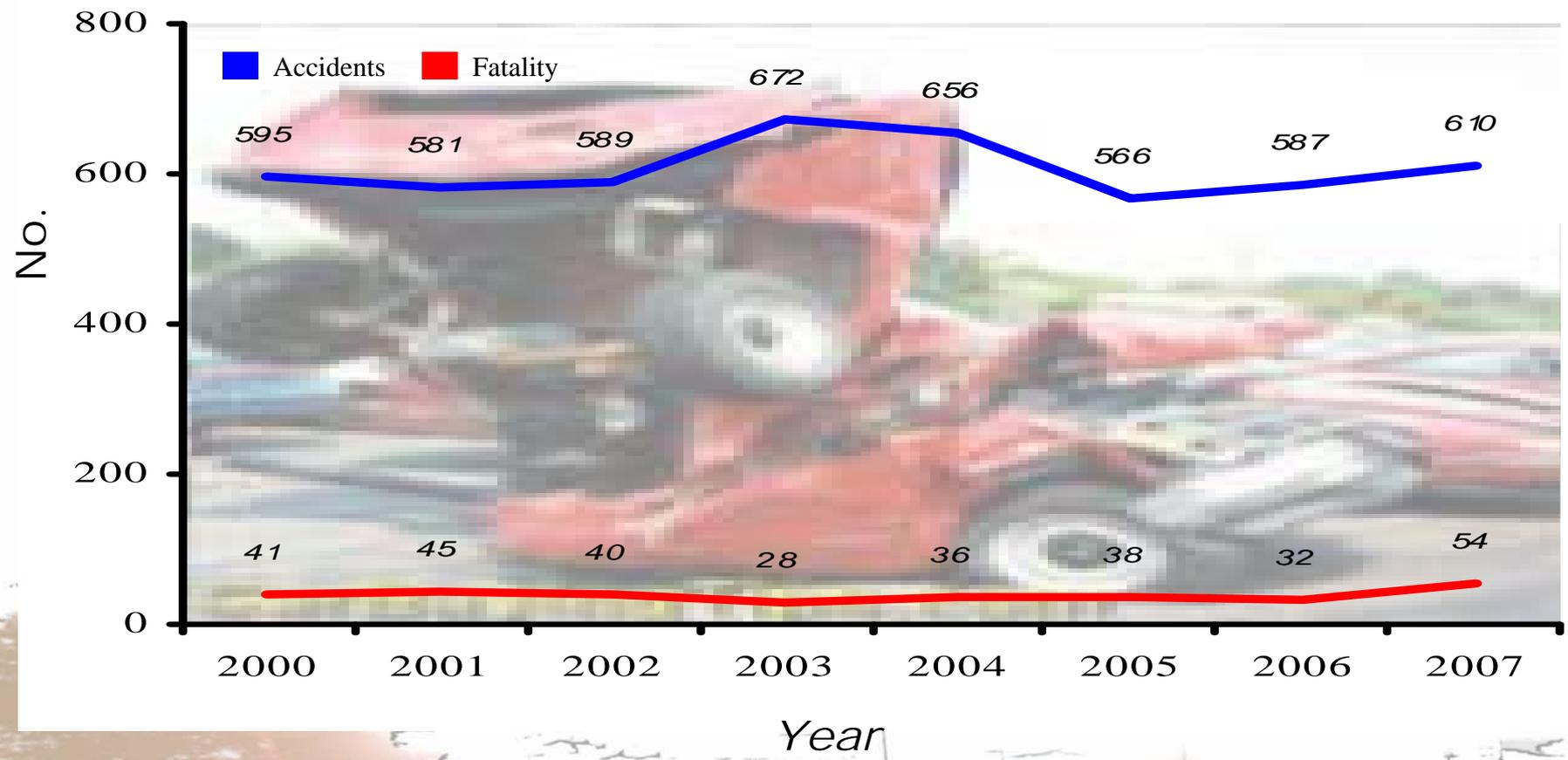
(Source : Public Works Department, Ministry of Development)

Transport Trends - Population vs Vehicles



(Source : Land Transport Department, Ministry of Communication)

Road Safety - Accident vs Fatality



(Source : Police Department, Prime Ministers Office)

Urban Transport Master Plans

• **Brunei Darussalam Master Plan Studies 1986 - 2006**

• District Development Plan

- Master Plan Review & Land Availability Study
- Brunei Muara District Plan
- Tutong District Plan
- Belait District Plan
- Temburong District Regional Plan

• Local Development Plan

- BSB Central Area Improvement Plan
- Kampong Ayer Improvement Plan
- Kampong Ayer Hill Park Plan
- Subok Ridge Heritage Plan
- Mulaut Local Plan
- Tutong Central Area Plan
- Tutong Coastal Recreation Plan
- Telisai & Danau Local Plan
- Lamunin Local Plan
- Mumong Local Plan
- Sg. Teraban Local Plan
- Bangar Local Plan
- Batang Duri Local Plan

• **Brunei Darussalam National Master Plan Review 2006 - 2025**

City Development Strategies

Brunei Darussalam Long Term Development Plan (2007 – 2017)

*I*mplementing the highest environmental standards for existing and new industries in Brunei Darussalam in accordance with established international standards and practices

*S*trictly enforcing appropriate regulations regarding the maintenance of environment that affect public health and safety

*S*upporting global and regional efforts to address trans-border and regional environmental concerns

*A*ccelerate infrastructure development include rural connectivity and public transport accessibility

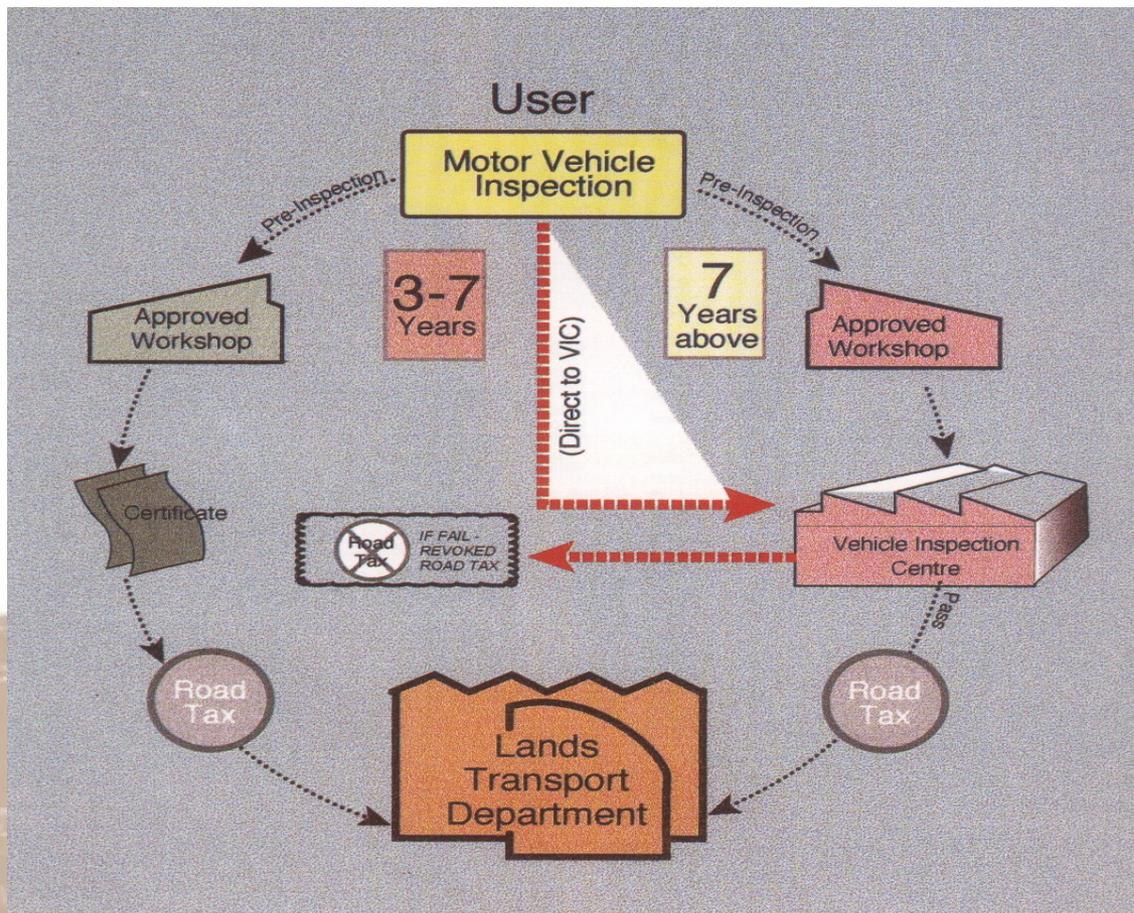
*T*o enhance safety, security and to promote environmental friendly industry which compliance with international security, safety and environmental standards (ICAO/IMO)



Best Practices

Vehicles Inspection Centre (VIC)

Objective to promote a high level of safety and a cleaner environment in Brunei Darussalam



Policies

Policy Statements of National Land Use Master Plan 2006 – 2025

*T*ransit oriented development principles shall be support in the future urban development of Brunei-Muara District

*R*oad based transport remain a major component of a national transport network, and shall be continually improved and upgraded so as to improve traffic movement and support the development of the preferred settlement pattern of the National Land Use Master Plan (NLUMP)

*M*ajor extensions to the national land - based transport network shall be explored with a view to providing a more direct and controlled route for inter-state land based transport. Priority shall be given to initiating inter-state consultations

*A*ir and Sea transport infrastructure shall be enhance to effectively service the national freight and passenger needs

*F*uture strategies for a long term national transport network in Brunei shall incorporate a technologically advanced and energy efficient mass transit line haul system.



Programmes

A. National Development Plan 2007 – 2012

New Road Linkages to provide accessibility and promote development at rural areas, matching forecasted growth in traffic demand

Upgrading Major Interchanges to increase capacity, relief traffic congestion and improve road safety by providing a grade separated interchanges with free flow traffic and removing 'U – turns' at traffic safety hazards

Upgrading of District Roads and Junctions to higher capacity to deal with future anticipated traffic flows. Also as a continuous road maintenance programme to lengthen the life span of the road network to enhance traffic convenient, safer roads and support socio economic development

Feasibility Study for new linkages, new bridges and ITS - road traffic integration to enhance road safety and congestion control at major roads and interchanges



Programmes

B. Brunei Urban Transport Development Project, 2007 – 2009

Objective – to develop a world-renewed environmentally – friendly, efficient & sustainable Transport system that help to position the capital city as Borneo’s commercial centre

Phase I :

Preparation of master Plan (Completed)

- Task 1 – Review existing situation & identification issues
- Task 2 – Primary data collection
- Task 3 – Transport demand analysis
- Task 4 – Identification of policies , objectives & potential improvement measures
- Task 5 – Preparation of strategic land use / transport framework
- Task 6 – Identification of high priority projects
- Task 7 – Preparation of master plan

Phase II :

Feasibility Study & Implementation Plan

- Task 1 – Develop Feasibility Study
- Task 2 – Examination of financing options
- Task 3 – Implementation schedule & organization

Phase III :

Project Implementation

- Task 1 – Prepare detailed project designs
- Task 2 – Bidding document
- Task 3 – Project implementation & supervision
- Task 4 – Advise Implementation of Public Awareness Programs

Programmes

C. Road Safety Action Plan – ADB / ASEAN Regional Road Safety Strategy and Action Plan (2005 – 2010)

*C*oordination and management of roads safety

*R*oad safety education for children

*D*river training and testing and licensing

*V*ehicle roadworthiness and safety standards

*T*raffic police and law enforcement

*R*oad safety research

*P*artnership and collaborations



the *END*

- Thank You -

