
STATUS AND CHALLENGES FOR ITS DEVELOPMENT IN LAO PDR

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Phanthaphap Phounsavath
Director
Department of Transport
Ministry of Public Works and Transport, Lao PDR
Presentation Outline

I. Country Profile
II. Transport Policy
III. Development Progress
IV. Challenges
V. Recommendation
I. Country Profile

- Land Area: 236,800 km²
- Population density: 35 persons/km² (growing at 1.7% pa)
- Border length of 5,083 km
  - Myanmar 235 km
  - Cambodia 541 km
  - China 423 km
  - Thailand 1,754 km
  - Viet Nam 2,130 km
- The economy base: agriculture, mining, hydro power and services
- GDP growth 7% pa
II. Transport Policy

Relevant domestic laws:
- Road Transport Law
- Road Traffic Law

Lao PDR Transport Vision by 2030:

“Lao Transport sector shall be highly effective and efficient with integrated sustainable Transport”.
III. Development Progress

Current implementing projects with ITS application:

1) Vientiane Sustainable Urban Transport Project

**Financing Source:**
US$99.7 mil. from 6 sources

**Project component:**
1. Bus Rapid Transit “BRT”
2. Parking management and enforcement
3. Traffic management system
4. Public space and non-motorized transport
5. Institutional capacity
improve urban transport operations and capacity in Vientiane by establishing a transport management entity, high-quality bus services and bus rapid transit; by improving traffic management, parking system and vehicle registration; and improving accessibility for pedestrians and non-motorized transport.

The project started in June 2015 and expected completion by 2022.
NS1-Talat Sao

(After-option2)
NS1-Talat Sao

(After-option2)
NS3-VTE High School

(After)
Rue Heng Boun (after)
Rue Francois Ngin (before)
III. Development Progress

2) Modernised weighing station projects
2 modernised weighing station development project along AH No. 16 supported by JICA and AH No. 11 supported Thailand System linkage
III. Development Progress

Weighing Station

Provincial Transport Bureau

Ministry of Public Works and Transport

Number Plate Reading Camera
III. Development Progress

Past experience on road and bridge damages:
New Projects under discussion:

1) Traffic Management Center
2) Vehicle Control Center (GPS Tracking system for both domestic and foreign commercial vehicles)
3) Vehicle Registration and Driving Licensing System
IV. Challenges

- Lack of political will (No specific Master Plan / Strategy on ITS).
- Unclear knowledge and understanding among stakeholders on ITS application.
- Current road infrastructure are below standard and do not support the application of ITS.
- Lack of in – house capacity to identify, proceed ITS application.
- Lack of budget for the development, still rely on foreign assistance.
- Long terms sustainability to continue the operation and maintenance of the project due to the lack of funds and capacity e.g. system or equipment break down, funds for repairs/maintenance and purchasing new equipment.
V. Recommendation

◆ Develop National Master Plan/Strategy or Guideline on ITS.

◆ Establish a Committee/Council (all relevant agencies) to responsible and consensus on development and application of ITS.

◆ Require funds for ITS facilities development and equipment installation (either grant, loan or PPP investment).

◆ Require capacity program for relevant institution and organization e.g. training for high level policy makers, trainer level, implementation and enforcement level, and specific IT technical level.

◆ Require development of stronger cooperation and coolaboration among member states and international organization to experience and updates ITS activities.
Thank you for your kind attention!

Mr. Phanthaphap Phounsavath
Director, Department of Transport
Tel: 021 417 293; 020 5634 4434
Fax: 021 415 563
Email: phanthaphap_ph@hotmail.com