Flagship Projects of the Department of Highways

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Overview of
The Department of Highways
The DOH is responsible for 3 types of highways:

- National Highways
- Motorways
- Concession Highway (for more than 60,000 Km.)
Flagship Projects

- Construction of Four-lane Highway Widening Projects
- Intermodal–supporting Highway Development
- International Highway Development Projects
- Major Intercity Highway Maintenance
- Construction of Overpasses and Flyover
  U–turns on Major Highways
- Construction of Intercity Motorways
Intercity Motorway Network
Present Motorway Network under our Responsibility

- Motorway Link No. 7
  Bangkok – Chon Buri (- Pattaya)
- Motorway Link No. 9
  Bang Phli – Bang Pa In
Flagship Motorway Projects

1. Motorway Link: Pattaya – Map Ta Phut

2. Motorway Link: Bang Pa-In – Nakhon Ratchasima

3. Motorway Link: Bang Yai – Kanchanaburi
Flagship Motorway Projects

- Feasibility Study (FS)
- Survey and Detail Design
- Environment Impact Assessment (EIA)
- Expropriation Law

Bang Pa-In – Nakhon Ratchasima
196 Km. / 84,600 Million Baht.

Bang Yai – Kanchanaburi
96 Km. / 55,620 Million Baht.

Pattaya – Map Ta Phut
32 Km. / 20,200 Million Baht.
1. Motorway Link: Pattaya – Map Ta Phut

Project Overview

- 4 lane tolled road, Distance 32 Km.
- Extension of M7 Bangkok – Chon Buri – Pattaya
- Total capital expenditure 20,200 Million Baht
  - Construction Cost 14,200 Million Baht
  - Land acquisition compensation 6,000 Million Baht
- Economic Internal Rate of Return (EIRR) 17%
- Timeline for Project Construction 2016 – 2019

Project Status

- Presently, the civil work has already been under construction, using Procurement Public Sector Comparator (PSC or Traditional Procurement)
- Financing from “Construction Financing from Toll Collection Fund”
- For the operation and maintenance, the DOH plan to implement by ourselves.
- For the service center, the DOH will open to Public Private Partnership (PPP).
2. Motorway Link: Bang Pa-In – Nakhon Ratchasima

**Project Overview**

- 4 – 6 lane tolled road
- Distance 196 Km.
- Total capital expenditure 84,600 Million Baht
  - Construction Cost 77,970 Million Baht
  - Land acquisition compensation 6,630 Million Baht
- Economic Internal Rate of Return (EIRR) 19%
- Timeline for Project Construction 2016 – 2019

**Project Status**

- The procurement process of the civil work was already stared, using Procurement Public Sector Comparator (PSC or Traditional Procurement)
- Financing through government budget for all the civil work.
- The construction work are about to start at the end of this April.
- For operation and maintenance, the DOH intends to seek the Public Private Partnership (PPP); in addition, the private firm shall itself invest in utility work.
3. Motorway Link: Bang Yai – Kanchanaburi

**Project Overview**

- 4 – 6 lane tolled road
- Distance 96 Km.
- Total capital expenditure 55,620 Million Baht
  - Construction Cost 50,200 Million Baht
  - Land acquisition compensation 5,420 Million
- Economic Internal Rate of Return (EIRR) 15 %
- Timeline for Project Construction 2017 – 2019

**Project Status**

- The procurement process of the civil work is to be stated in this month, using Procurement Public Sector Comparator (PSC or Traditional Procurement)
- Financing through government budget for all the civil work.
- The construction work are planed to begin in July this year.
- For operation and maintenance, the DOH intends to seek the Public Private Partnership (PPP); in addition, the private firm shall itself invest in utility work.
Inter - City
Motorway
Master Plan
PPP Projects
PPP Projects in Road Sector

• PPP for the Operation and Maintenance processes
  • Bang Pa In – Nakorn Ratchasrima Motorway Link
  • Bang Yai – Karnchanaburi Motorway Link

• PPP for the entire project lifecycle (Construction, Operation and Maintenance)
  • Nakhon Pathom – Cha Am Motorway Link
  • Extended Motorway Link: Uttara Pi Muk - Bang Pa In
  • Thonburi – Paktho Motorway
    (elevated tolled road on National Highway No. 35)
  • Hat Yai – Thai – Malaysia (Sadao) Border Motorway Link
  • All Rest Areas and Service Centers in the Motorway Network
Thailand Future Fund
Presently, the State Enterprise Policy Office (SEPO) and the Department of Highways plan to include the existing motorway No. 7 and 9 into the Thailand Future Future Fund.

However, this is still in the phase of beginning. Many challenges are still ahead:

- Legal issue (Tolled Road Act of Legislation)
- Financial Possibility
The End

Question ?