



The 4th meeting of the Working Group on the Asian Highway and
Expert Group Meeting on Progress on Road safety Improvement in
Asia and the Pacific Bangkok, Thailand,
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Thailand Country Report

“The Status of the Asian Highway Development in Thailand ”

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Asian Highways in Thailand



AH1: Aranyaprathet-Hin Kong-Bang pa –in (-Bangkok)-Mae Sot, **715.5 Km**

AH2: Sa Dao-Hat Yai-Bangkok-Chiang Rai-Tachilek, **1913.5 Km**

AH3: Chiang Kong -Chaing Rai, **121 Km**

AH12:Nong Khai-Udon Thani-Nakhon Ratchasima-Hin Kong, **571.5 Km**

AH13: Nakhon Sawan-Phitsanulok-Huai Kon, **550.5 Km**

AH15: Nakhon Phanom-Udon Thani, **249 Km**

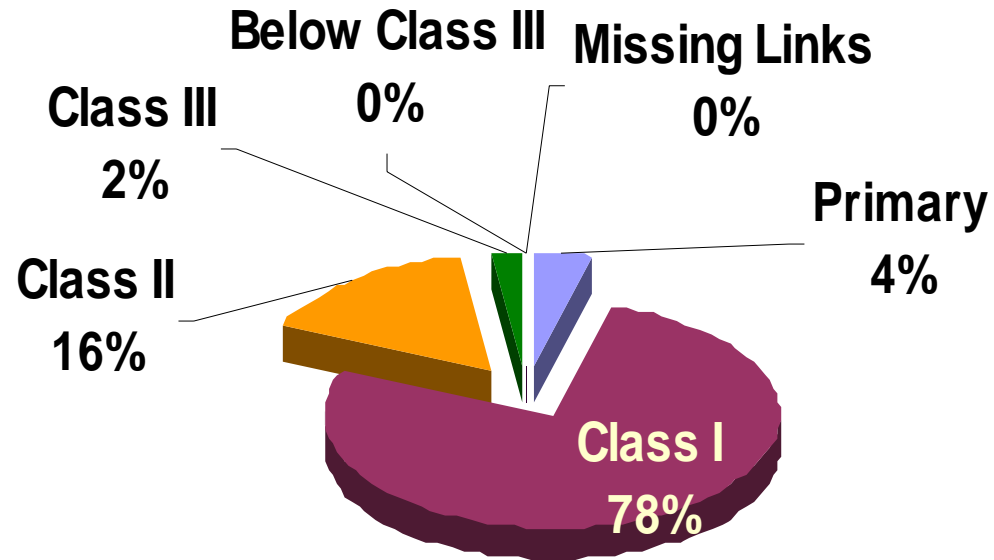
AH16: Tak- Khon Kaen-Mukhdahan, **703 Km**

AH18: Hat Yai-Sungai Kolok, **311 Km**

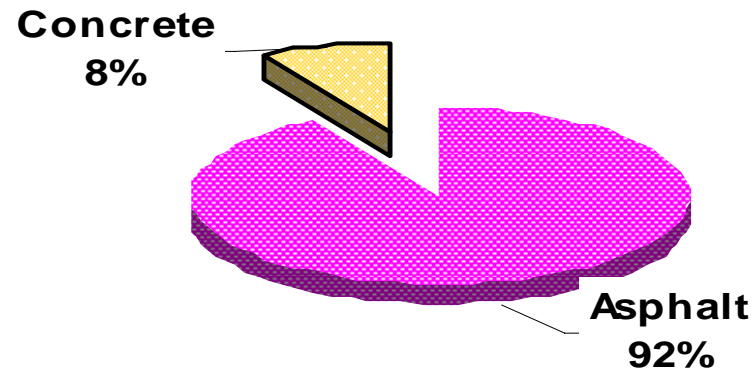
AH19: Bangkok-Laem Chabang-Kabin Buri-Nakhon Ratchasima, **364 Km**

Total 5,499 Km

Shares of the Asian Highways in Thailand categorized by AH Design Standard



Shares of Asian Highways in Thailand categorized by Surface Types



AH Numbering Sign in Thailand (completed)



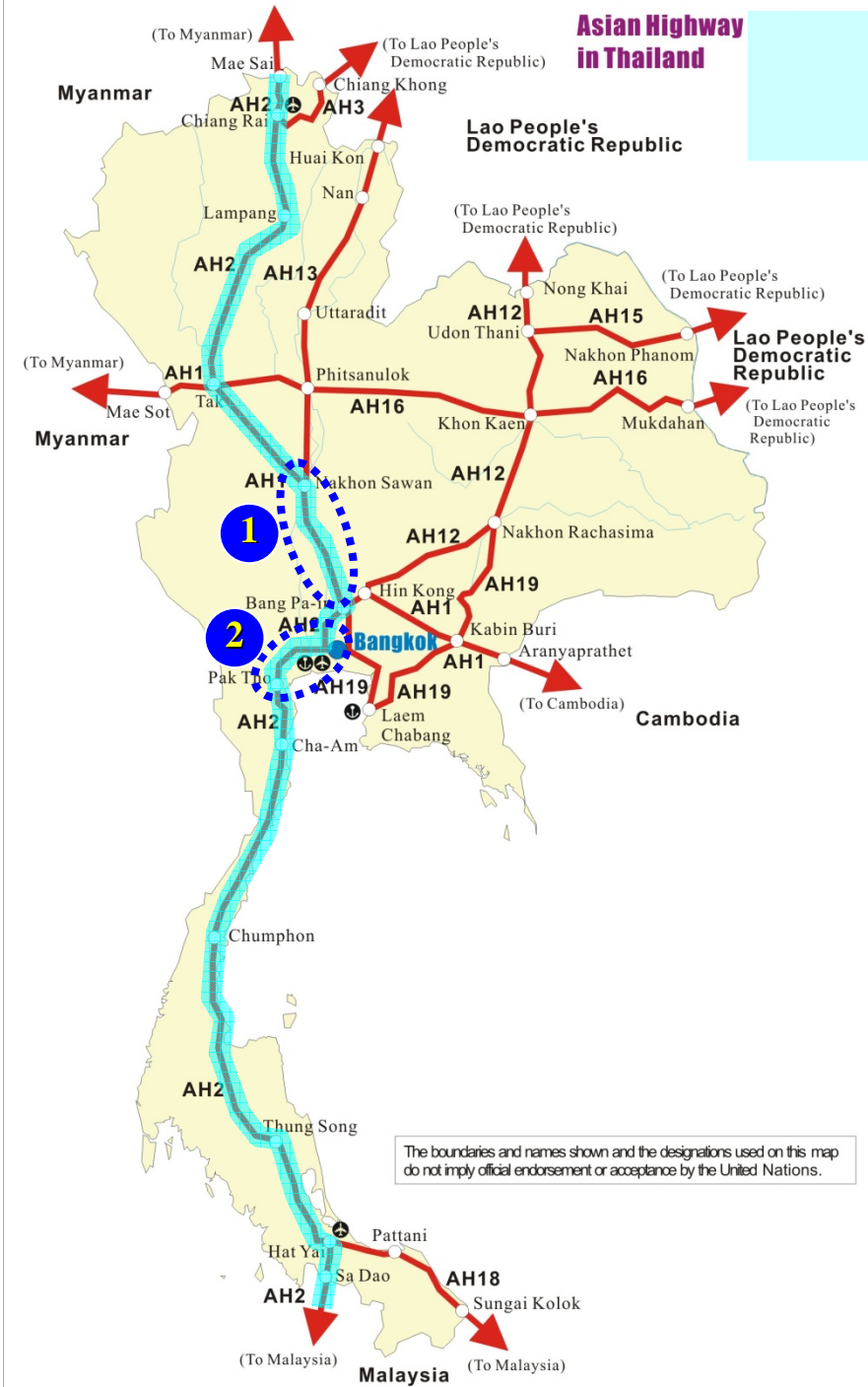
Asian Highways in Thailand (On-going Projects)



**AH 1: Aranyaprathet
(Thailand/Cambodia border)-Hin
Kong-Bang Pa In (Bangkok)-Mae
Sot (Thailand/Myanmar border),
715.5 Km**

- The Intercity Motorway project along the National Highway Rt.5 from Bang Pa In - Nakhon Sawan is under the EIA study.
- The estimated investment cost is 1,079.5 mil. USD (32,380 mil. Baht).

Asian Highways in Thailand (On-going Projects)



AH2: Sa Dao (Thailand/Malaysia border)-Hat Yai-Bangkok-Chiang Rai-Mae Sai/Tachilek (Thailand/Myanmar border), **1,913.5 Km**

1. The Intercity Motorway project along the National Highway Rt.5 from Bang Pa-In - Nakhon Sawan is under the EIA study.
The estimated investment cost is 1,079.5 mil. USD (32,380 mil. Baht).
2. The Intercity Motorway project along the National Highway Rt.8 from Nakhon Pathom - Samut Songkhram - Cha-Am is under the EIA study.
The estimated investment cost is 1,276.5 mil. USD (38,290 mil. Baht).

Asian Highways in Thailand (On-going Projects)



AH3: Chiang Kong - Chaing Rai, 121 Km

1. **The Chiang Khong/Houayxay Bridge Project:** This project at the length of 11.6 km. including 480-m bridge length is under construction with Thailand and PRC sharing half each of the construction cost of about 50 mil. USD (1,486 mil. Baht). It has 24.68% in progress of work
2. **The Chiang Rai–Chiang Khong Highway Widening Projects:** two sections of the AH 3 along the National Highway Rt.1152 and Rt.1020 are under widening to 4-lane highway. The first 11.1-km section with the construction cost of about 11 mil. USD (320 mil. Baht) is completed. The second section of 18.9 km. with the construction cost of about 22 mil. USD (664 mil. Baht) has 71.52% in progress.
3. **The Chiang Rai–Chiang Khong Feasibility Study:** about 75 km. of the AH 3 along the National Highway Rt.1152 and Rt.1020 is under the economic, engineering, and environmental impact feasibility studies at the cost of 0.33 mil. USD (9.8 mil. Baht).

Asian Highways in Thailand (On-going Projects)



AH12: Nong Khai (Thailand/Laos border) - Udon Thani-Nakhon Ratchasima-Hin Kong, 571.3 Km

- The Intercity Motorway project along the National Highway Rt.5 from Bang Pa-In - Nakhon Sawan is under the EIA stud.
- The estimated investment cost is 1,079.5 mil. USD (32,380 mil. Baht).

Asian Highways in Thailand (On-going Projects)

**AH15: Nakhon Phanom (Thailand/Laos border) -
Udon Thani : 249 Km**

- The Nakhon Phnom/Khammouane bridge project on the National Highway Rt.22 in Nakhon Phanom province. This project at the length of 5.2 km. including 780-m bridge length is under construction with Thailand grant of the construction cost of about 57.5 mil. USD (1,724 mil.Baht).
- It has 94.05% in progress of work
- To be open to traffic on 11/11/11



Asian Highways in Thailand (On-going Projects)

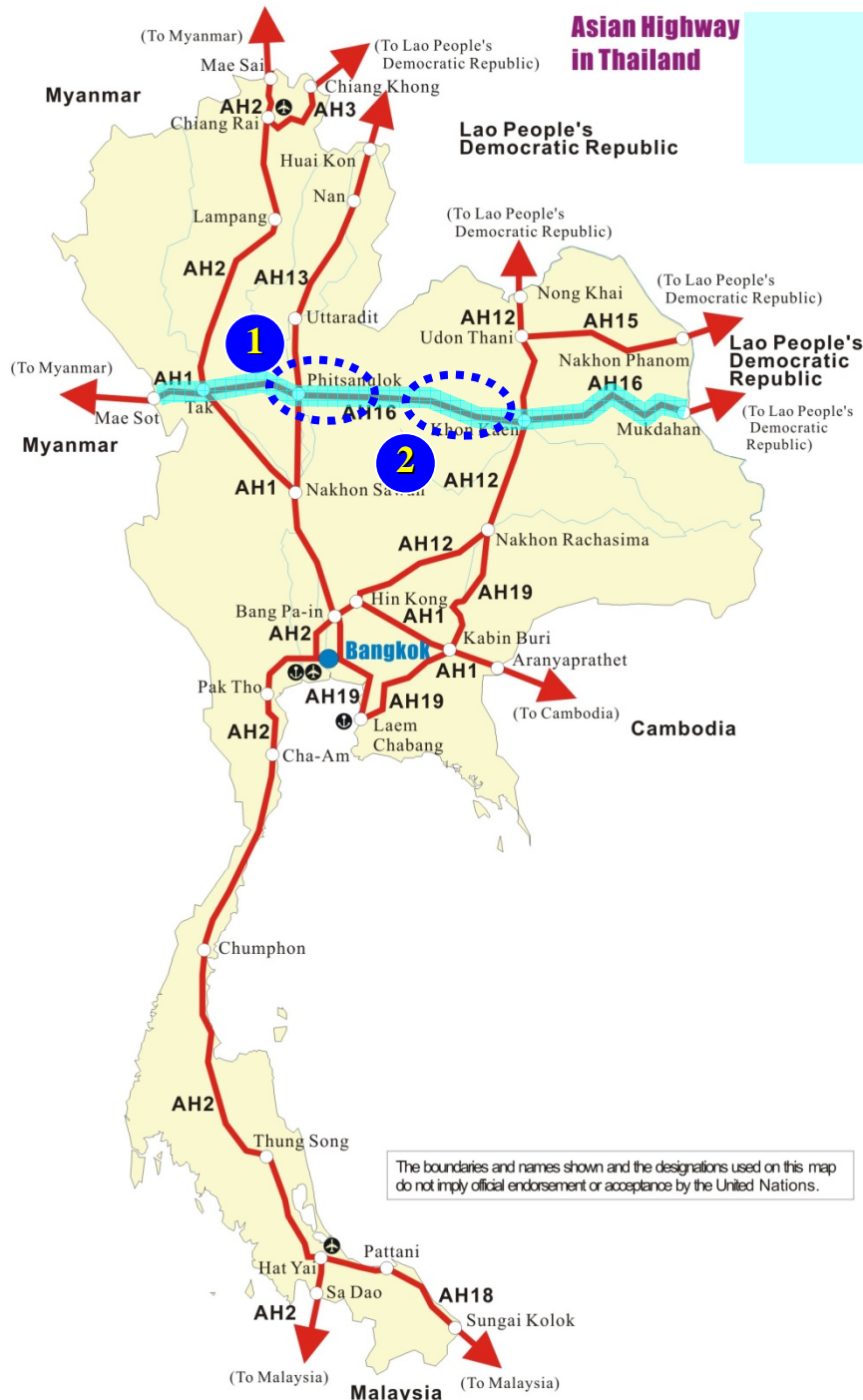
AH16: Tak- Khon Kaen-Mukhdahan: 703 Km

1. The Phitsanulok-Lom Sak Highway Widening Project along the National Highway Rt.12 is under widening to 4-lane highway for 105 km. at estimated construction costs of about 111 mil. USD (3,340 mil. Baht).

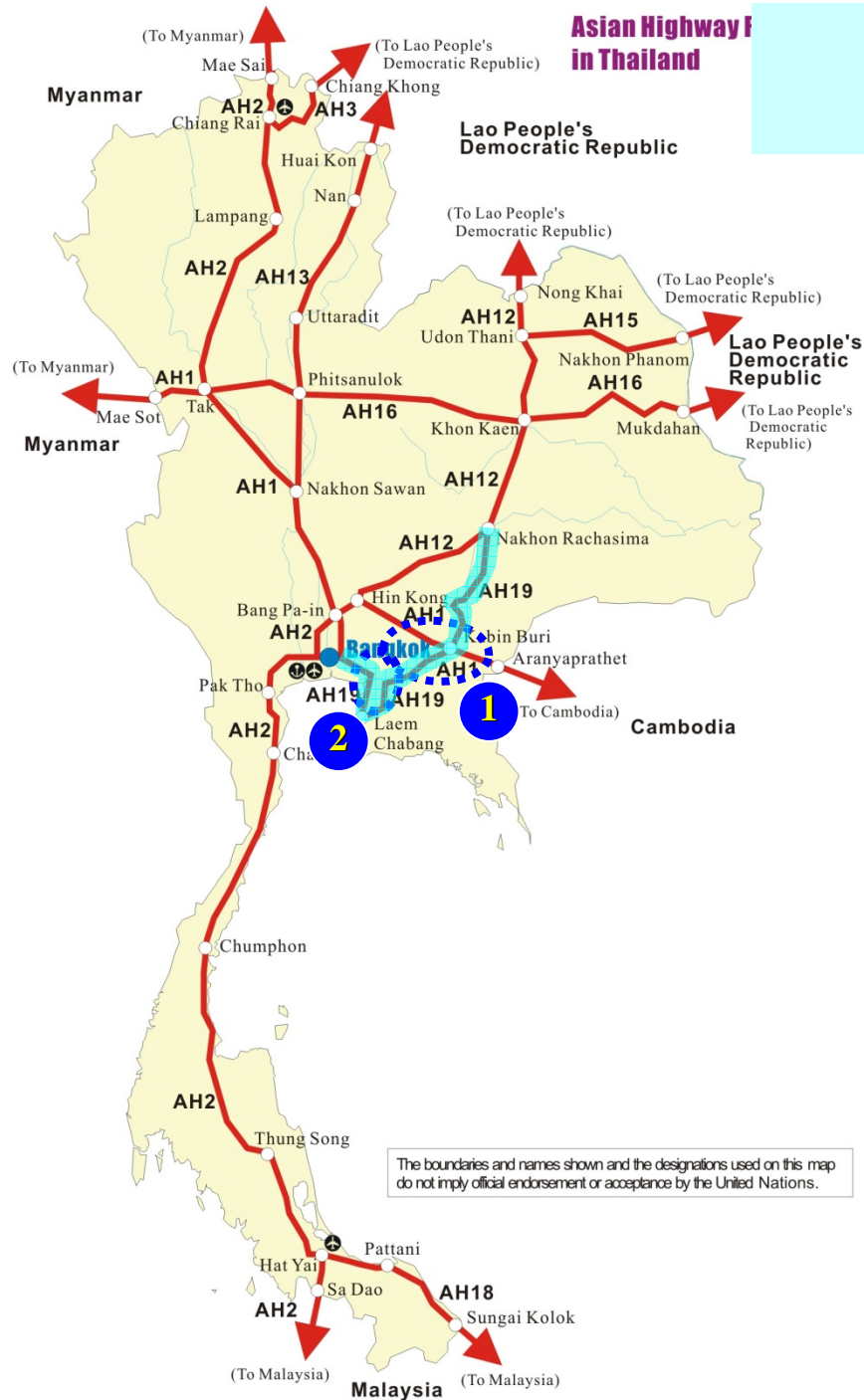
This construction cost comprises half of the Thailand government budget and the other half from the ADB loan. The project is currently under procurement process.

2. Two parts of the Nong Rua – A. Chum Phae – A. Khon San Section 2 along the National Highway Rt.12 are under widening to 4-lane highway. The first 16.5-km part with the construction cost of about 18.5 mil. USD (555 mil. Baht) has 69.14% in progress..

The second part of 9.8 km. with the construction cost of about 8.5 mil. USD (253mil. Baht) has 20.04% in progress.



Asian Highways in Thailand (On-going Projects)



AH19: Bangkok-Laem Chabang-Kabin Buri-Nakhon Ratchasima, 364 Km

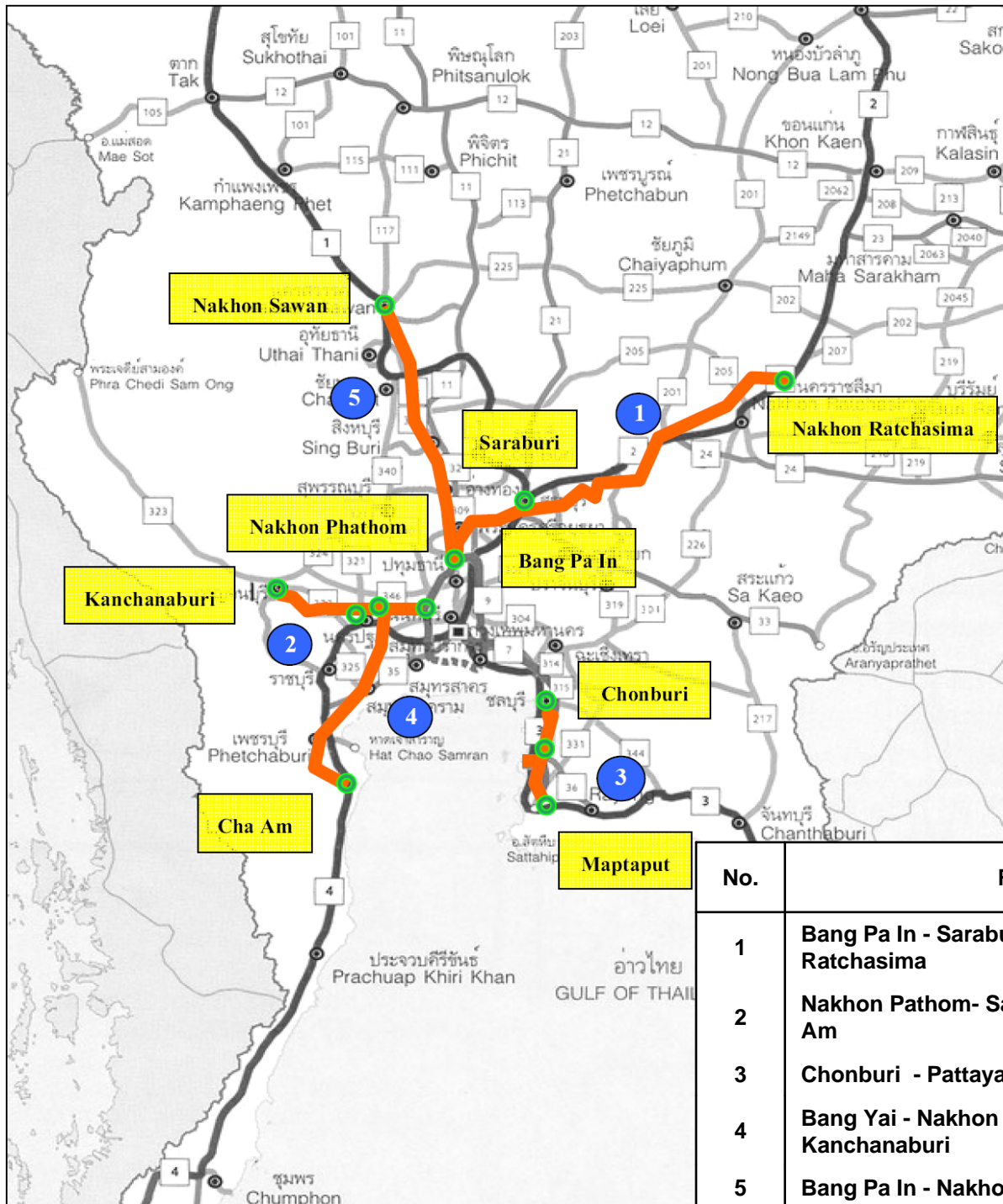
1. The 4-lane highway widening project on the National Highway Rt. 331 from Sattahip-Phanom Sarakham (28 km) is at estimated construction costs about 25 mil. USD (750 mil. Baht).

This construction cost consists of half of the Thailand government budget and the other half from the WB loan. The project is now under procurement process.

2. The Intercity Motorway project along the National Highway Rt.7 from Chon Buri - Pattaya - Map Ta Phut is under the EIA study and detailed design.

The estimated investment cost is 496.5 mil. USD (14,895.3 mil. Baht).

The 2011-2022 Action Plan for Intercity Motorway Projects



No.	Route	Estimated investment costs (Million USD)
1	Bang Pa In - Saraburi - Nakhon Ratchasima	2,023
2	Nakhon Pathom- Samut Songkhram-Cha Am	1,276.5
3	Chonburi - Pattaya - Map Ta Phut	496.5
4	Bang Yai - Nakhon Pathom - Kanchanaburi	1,210
5	Bang Pa In - Nakhon Sawan	1,079.5

Road Safety Situation on the AH Routes in Thailand

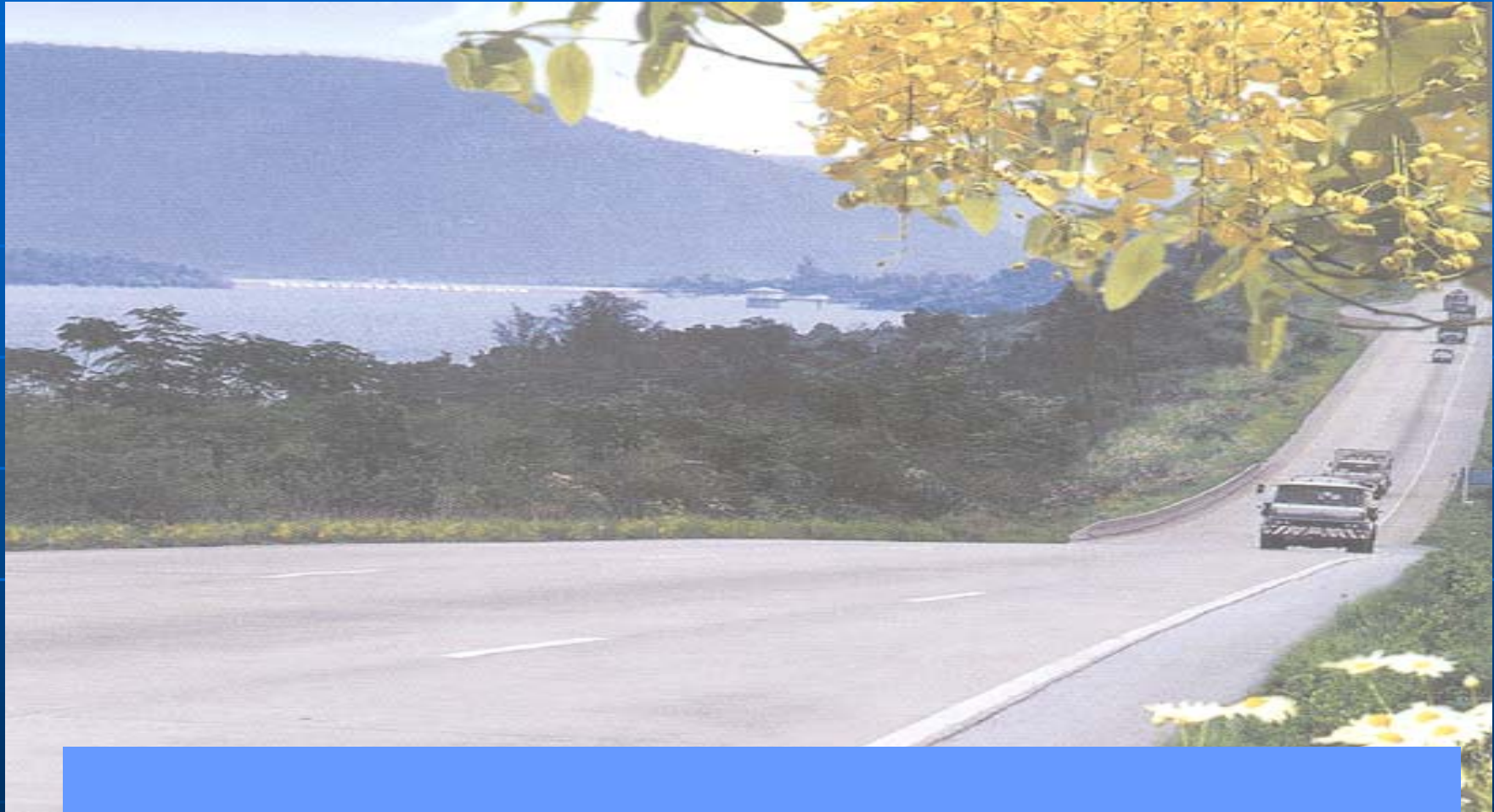
- safety of the AH complies with engineering and international standards
- in 2009, the number of accidents on highways under the DOH responsibility shows the record of 13,672 accidents or 16%; 1,378 deaths or 13%; and 10,415 injuries or 17% of the national total.
- The 2004-2009 records, the accident rate has been decreased

DOH Activities to Improve Road Safety

- **Road Accident Prevention and Mitigation Measures:** Thai Khem Khang Action Plan 2012 allocated 87 mil. USD to the DOH's road safety plan. In 2010, 6.7 mil. USD used to improve 1,453 road accident-prone locations
- **Road Accident-Prone Locations Improvement:** by installation of luminous lights and traffic signals.
 - 16, 975 intersections of the National Highways in total, 3,787 locations with luminous lights and traffic signals, 8,363 locations with luminous lights only, and 1,415 locations with traffic signals only

Conclusion

- the national budget constraint
- investment options in the motorway development policy : PPPs
- seeking new sources of capital and bring private operational efficiency
- strategic importance for the development of the AH transport network with safety and high capacity standard
- AH: mainly designated Transit Transport Rts
- to facilitate goods in transit in ASEAN and further enhance the ASEAN Connectivity



Thank You for Your Attention!!