

Status of Transportation Statistics in Thailand

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Topics

- Availability of transportation data in Thailand
- On-going related activities at the Chulalongkorn University

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Transportation Data in Thailand

- A study “Review of Database for Transportation Planning in Thailand” completed in 2003.
 - To investigate current and future needs for data used in transportation planning
 - To review data presently collected and disseminated by various agencies
 - To identify the gaps of readily available data
- Personal experience

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Needs for Transportation Data

- Transportation demand
 - Freight and passenger
 - Volume and value
 - Origin-destination
 - Purpose
 - Intra-city and inter-city
- Transportation service providers
 - Service capability/coverage
 - Financial performances
 - Operational capability

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Needs for Transportation Data

- Routes
 - Cost: Capital and O&M
 - Capacity
 - Traffic volume
- Vehicles
 - Type & number
 - Operational performances i.e. utilization
- Terminals
 - Physical characteristics
 - Financial performances
 - Operational performances

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Needs for Transportation Data

- Energy
 - Demand and supply
 - Efficiency
- Fares
- Regulation
- Transportation plans
- Planning data

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Data Availability

- Passenger travel demand
 - Extensive data on urban travel demand for major cities
 - Lack of detailed data on intercity travel demand
- Freight transportation demand
 - Lack of detailed data on domestic freight movements, both urban and intercity freight
 - Extensive data on imports and exports collected by the Customs Department

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Data Availability

- Transportation supply data: suppliers, vehicles, routes, and terminals
 - Collected by many agencies: lack of consistency
 - Data on quantity available to a certain extent but virtually no data on performances
 - Service charges publicly informed but no data on costs

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On-Going Activities

- The Institute has been providing technical assistance to the National Statistics Office in the nationwide Commodity Flow Survey (CFS)
- The Institute, commissioned by the Department of Land Transport, is conducting a nationwide roadside O-D survey of truck transportation
- A series of master and doctoral theses at the Department of Civil Engineering related to the development national O-D tables of freight movements