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ASIAN TRANSPORTATION RESEARCH SOCIETY
สมาคมวิจัยวิชาการขนส่งแห่งเอเชีย

ESTABLISHED 2008
HEADQUARTERS, THAILAND
REGISTERED NO. JAW.4674/2551

**Crash scene investigation of heavy vehicles crash
: A Case Study of Songkhla Province
(Paper ID.SCS11-015)**

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Outline


- Introduction
- Case study 1
- Case study 2
- Conclusions and recommendations

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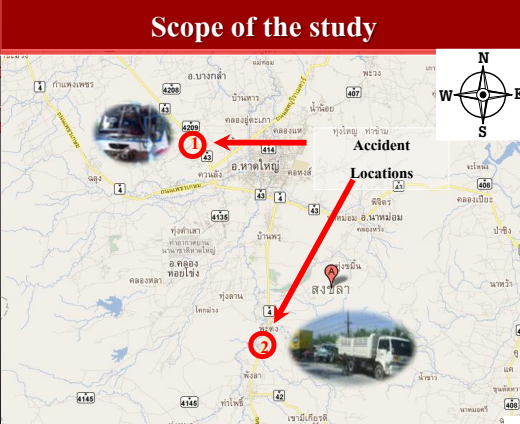
Objectives of this paper

- 1) To investigate traffic accidents involving heavy vehicles
- 2) To propose preventive countermeasures in order to prevent/solve the traffic accident problem



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Scope of the study



Accident Locations

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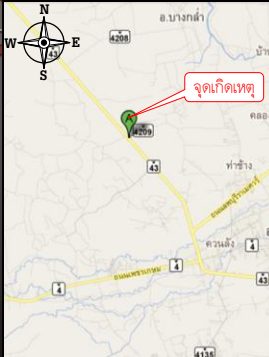
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Case Study 1

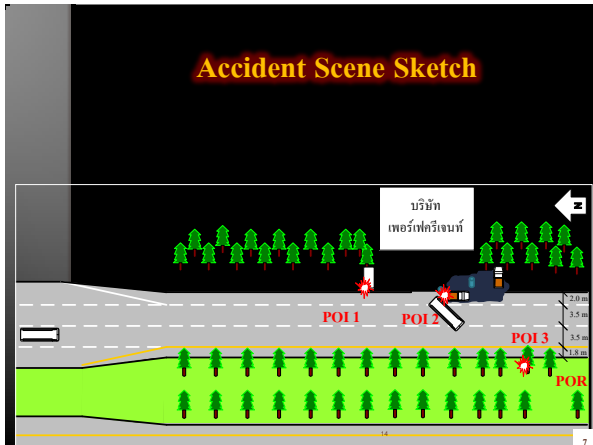
Drowsy driver of Phatthalung-Hat Yai intercity bus lose control

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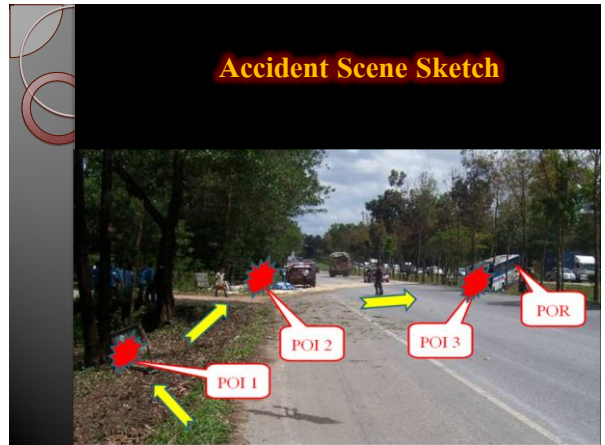
Location of the accident

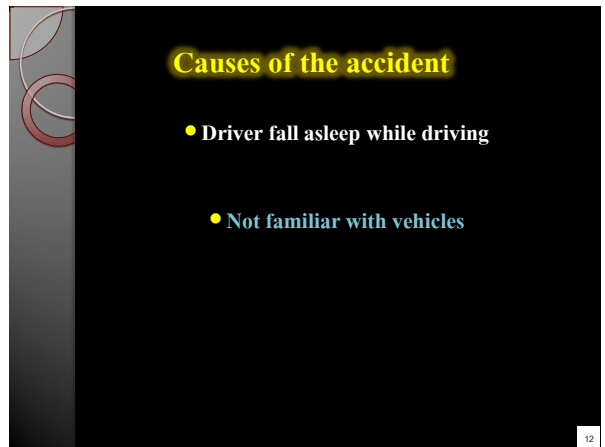


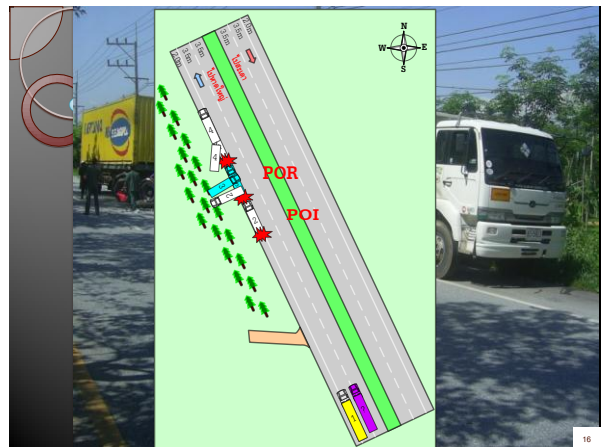
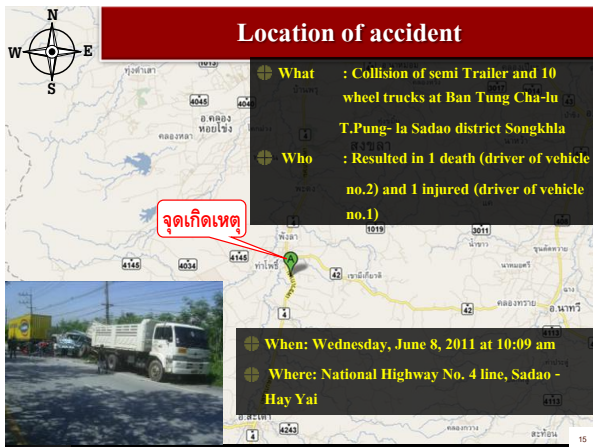
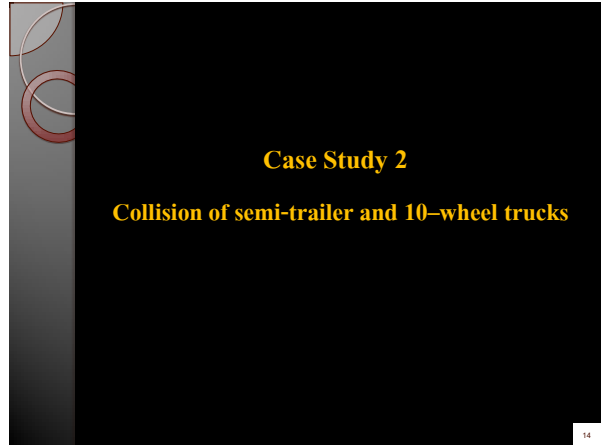
- What : The bus driver doze off causing the accident
- Who: the bus driver has a broken leg and 21 passengers have a minor injuries
- when : Saturday, March 19, 2011 at 1:00 pm
- Where : National Highway No. 43 T.Ta-chang BangKlam district Songkhla Province



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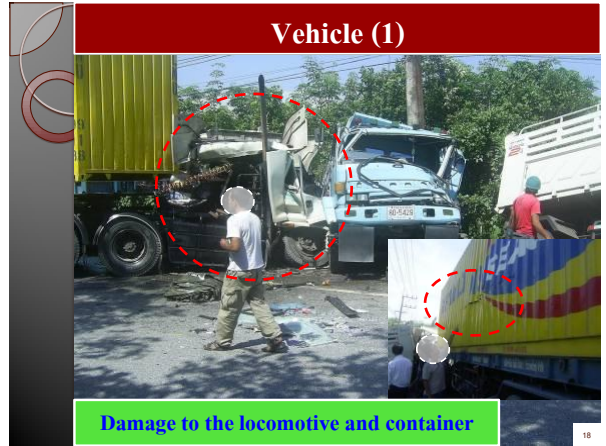








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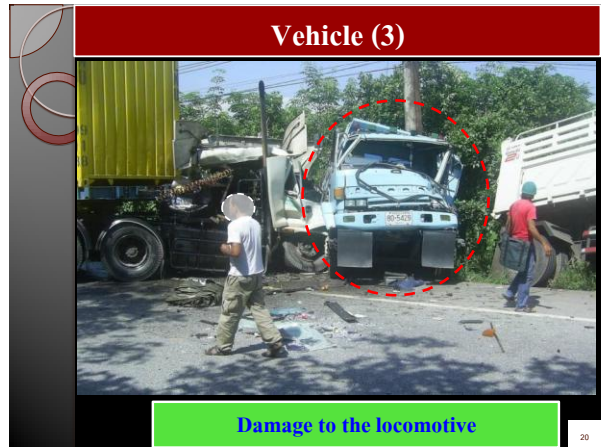
Damage to the locomotive and container

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Front and rear damage

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Damage to the locomotive

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Why : Accidental Analysis

People

- Due to the fast driving of the driver of vehicle no.1, and unable to stop causing the collision
- Careless Driving

Severity result from the accident

- The speed is carried by the vehicle no. 1 collision with a standing still vehicle no.2 causing a fatal accident

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Conclusions & Recommendations

The accident from heavy vehicles causing to a major loss aspects of life and property more than small vehicles so we should improve safety standard for heavy vehicles.

- There should be a law enforcing with driving hours, and the condition level of Driver.
- The Department of Highway should consider to revise roadside design and construct with standard.

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**Conclusions & Recommendations
(Cont.)**

- There should be more publication regarding with safe driving and taken into design process for some vehicles parking along the road shoulder.
- Traffic police should be enforcing speed limit to prevent accidents.
- The Department of Land Transport should promote a safety measurement prevention course such as training, education, etc. to avoid traffic accident.

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