

2017/TPTWG/WKSP1/017

Traffic Weight Control

Submitted by: Thailand



Workshop on Regulating High Mass Heavy Road Vehicles for Safety, Productivity and Infrastructure Outcomes Brisbane, Australia 3-6 April 2017



Thailand Road Network



Department of Highways

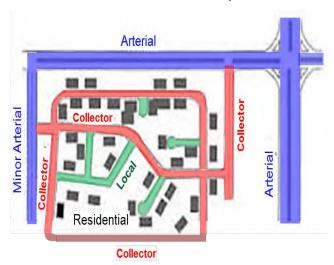
(DOH) – 51,811 KM | ARTERIAL

Department of Rural Roads

(DRR) – 47,303 KM COLLECTOR

- Local government
 - Local Roads 352,465 KM





Organization for Traffic weight control



-On Highways-

Department of Highways (DOH)

Office of traffic weight control

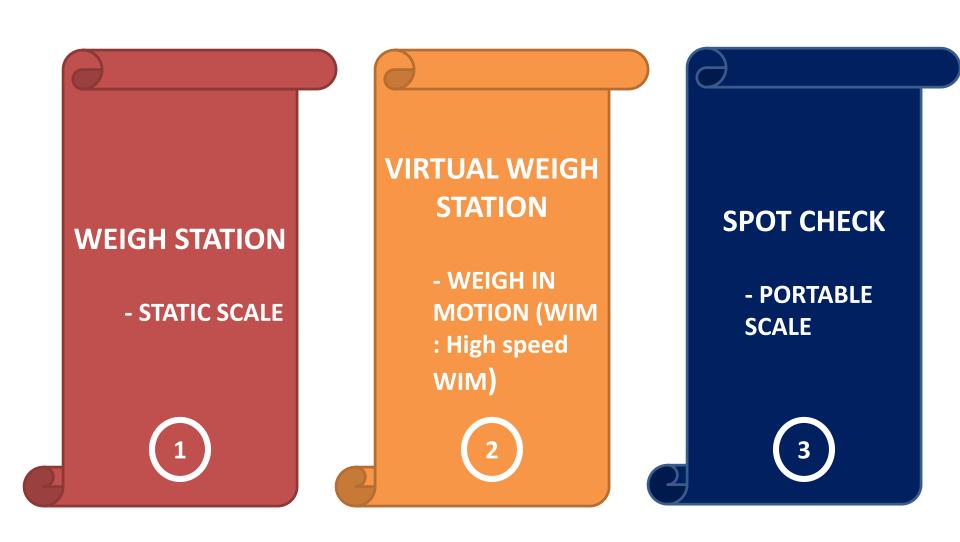


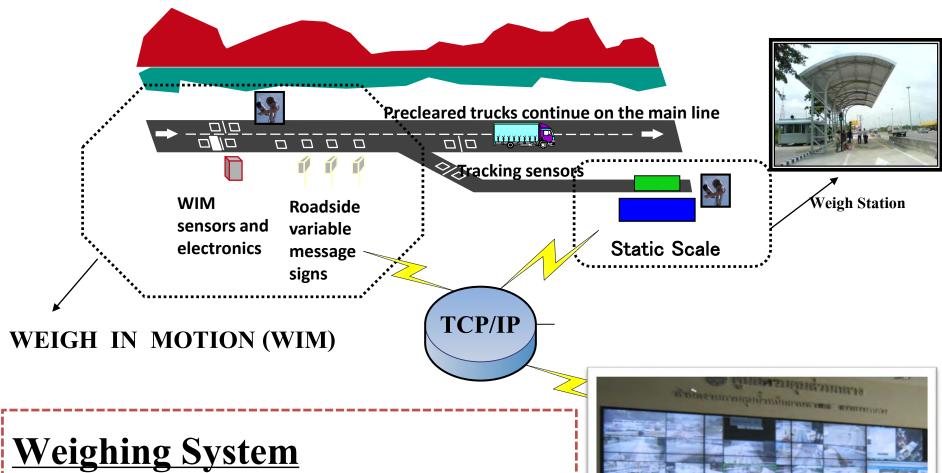
-On Rural Roads
Department of Rural Roads

(DRR)

Bureau of maintenance

Type of Traffic weight control





- 1. Weigh Station: for legally truck weighing
- 2. **Fast WIM**: for classification of overload truck
- 3. Monitor Room



Monitor Room

WEIGH STATION

STATIC SCALE

Weigh Station used for legally truck weighing













VIRTUAL WEIGH STATION

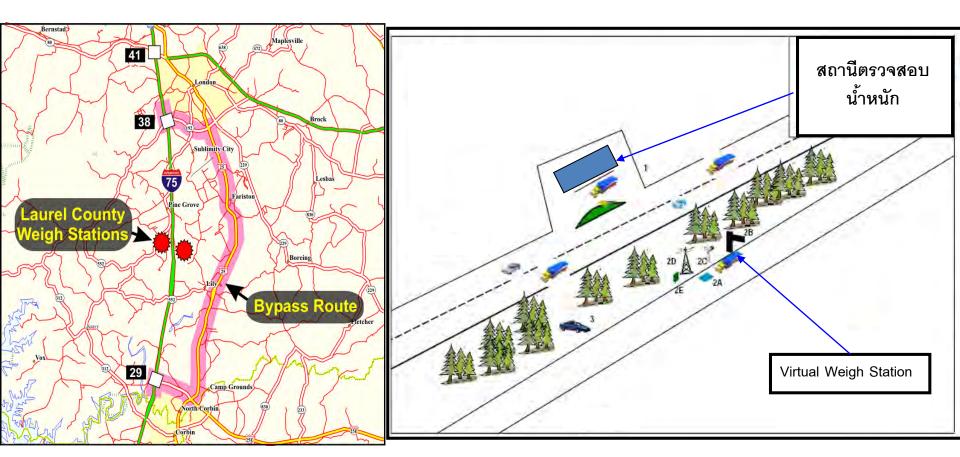
VIRTUAL WEIGH STATION

WIM used for classification of overloaded trucks





VIRTUAL WEIGH STATION



- Located on low proportion of truck route
- On the route use for transporting agriculture (seasonal)

SPOT CHECK

SPOT CHECK

Portable Scale used for legally truck weighing

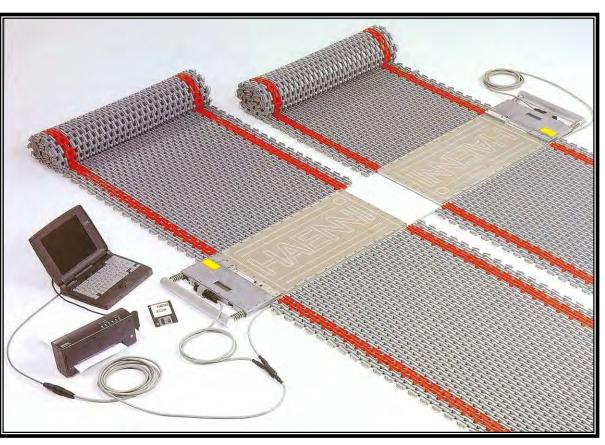








SPOT CHECK





Spot check's equipment



MONITOR ROOM

MONITOR ROOM

Monitor Room to operate for visual and audio

By process data from Weigh Stations and Virtual weigh stations







Weight control station in Thailand

DOH

WEIGH STATION 70 stations

VIRTUAL WEIGH STATION 9 stations

MONITOR ROOM 1 stations

DRR

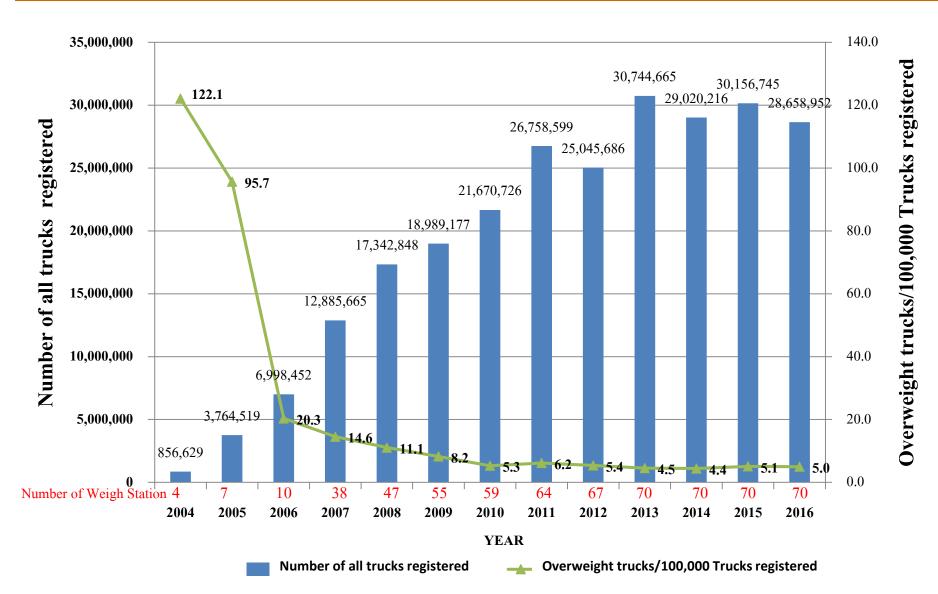
WEIGH STATION 2 stations

*Most of weight control station type in DRR is

spot check*



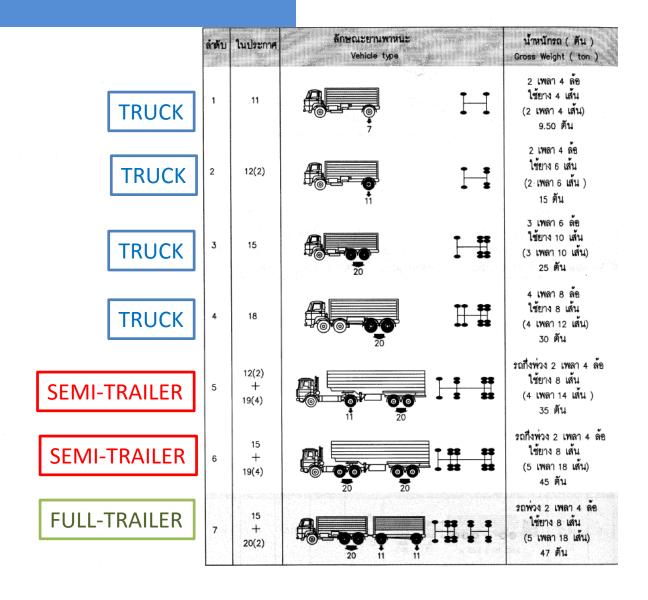
STATISTICS OF WEIGH STATION (DOH)



STATISTICS OF WEIGH STATION (DRR)

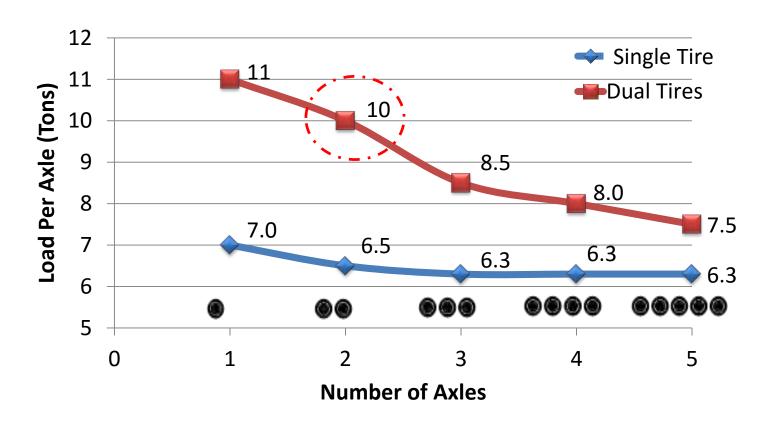
Fiscal year	Registered Truck On highways (vehicle)	Number of Trucks which are spot checked (vehicle)	Overload Truck (vehicle)	percent of overload truck on Rural Roads
2014	29,020,216	12,337	286	2.31
2015	30,156,745	10,588	195	1.84

Regulation of traffic weight control



LEGAL TRUCK IN THAILAND

Allowable Load per Axle



REMARK: DISTANCE BETWEEN AXLE 1.2-1.8 m.

Weight control regulation compare with AEC

TYPE OF VEHICLE	THAILAND (TONS)	ASEAN (TONS)
TF	25	21
T	RUCK 30	25
SE	MI-TRAILER 35	32
SEN SEN	MI-TRAILER 45	36
SEN SEN	MI-TRAILER 50.5	38

Process to enfoecement Overloading Trucks

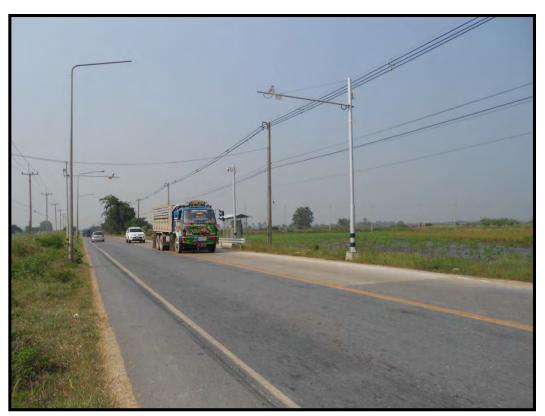
Court **Weighing Process Decide Penalty Penalty Form** Arrest records **Police Station Fine ≤ 10,000 Baht Imprisonment ≤ 6 Months** or Both

Highway Police

Thank You



Virtual weigh station:VWS

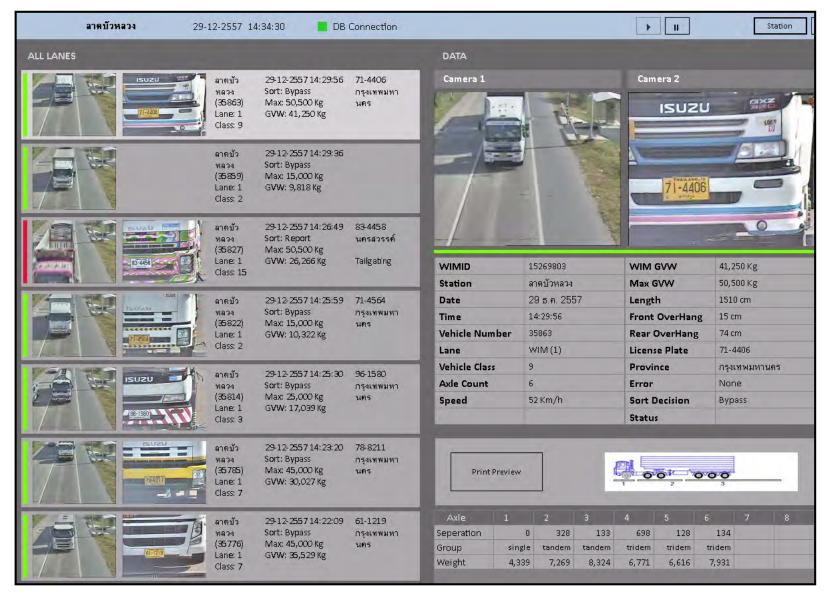








Virtual Weigh Station





Virtual Weigh Station

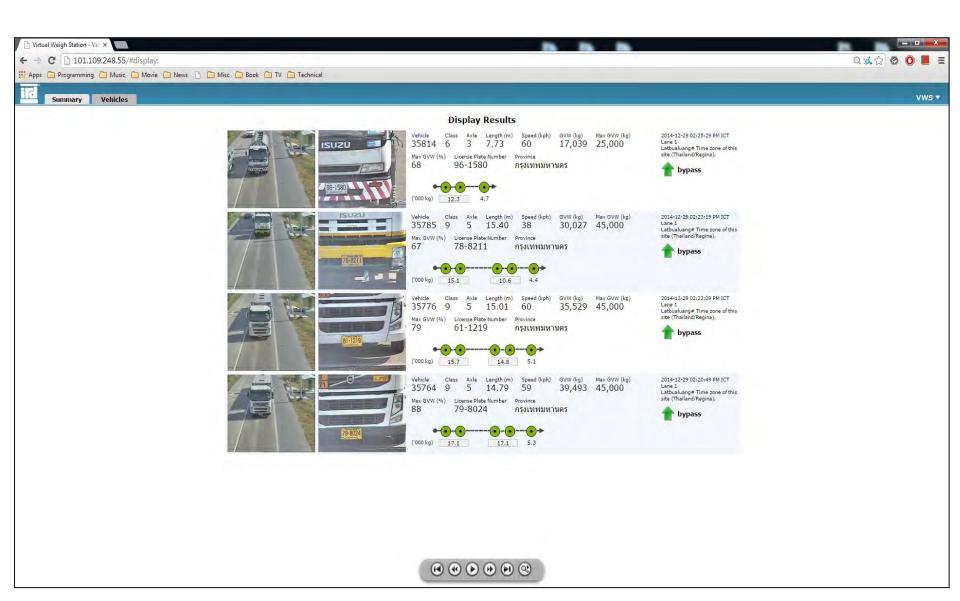




Image processing

