



Asia Masters Center

Traffic Engineering



Traffic Engineering

➔ Course Objective

- This course presents a comprehensive overview of traffic and transportation engineering.
- The emphasis of this course is to provide solutions to transportation problems and to facilitate the management of transportation systems.
- Among the areas covered are characteristics of the transportation system, traffic analysis and operations, transportation studies, intersection capacity, traffic and highway planning, geometric design, transportation systems management.
- Traffic safety and Intelligent Transportation Systems (ITS).

➔ Target Audience

- Traffic Engineers
- Highway Safety Managers
- Accident Analysts
- Consultants and other specialists
- Clients Representative
- Fees included
- Training Fees
- Hand out

- Transportation
- Accommodation
- Site Visit
- Certificate tour



Course Outline

Day 1

System Components

- Road Users Characteristics
- Vehicle Characteristics
- Highway Characteristics

Traffic Demand Studies

- Speed Studies
- Volume Studies
- Parking Studies

Day 2

Traffic Characteristics

- Traffic density, traffic flow and speed
- Traffic Flow Theory and Models
- Level of Service Criteria

Traffic Behavior And Supply Characteristics

- Capacity of Uninterrupted flow
- Freeways Traffic Flow
- Types of Continuous Flow Facilities
- Service flow

Day 3

Interrupted Flow Characteristics

- Capacity of Interrupted Flow
- Intersection Control and Analysis
- Design of Traffic Signals

Traffic Operation and Control

- Traffic Control Devices
- Traffic Signs and Marking
- Traffic Management and Congestion.

Day 4

Traffic Safety at Intersections

- Traffic and Median Barriers
- Intersection Design Elements
- Sight distance at intersections

Accident Studies and Analysis

- Factors causing crashes
- Types of accidents
- Collision diagram of accidents
- Condition diagram of accident sites

Day 5

Accident Data Collection and Statistics

- Accident rate calculations
- Accident Reporting
- Filing system of accident data record
- Accident Statistics



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Work Zone Safety

- principles of work zone control
- Work zone areas and their components
- Taper lengths and types
- Advanced traffic control devices
- System Components
- Road Users Characteristics
- Vehicle Characteristics

➤ The Feature Of Asia Master Training And Development Center

- we pick up the customer from the airport to the hotel.
- we give the participant training bag includes all the necessary tools for the course.
- Working within groups to achieve the best results.
- All our courses are confirmed and we do not postpone or cancel the courses regardless of the number of participants in the course.
- We can assist you in booking hotels at discounted prices if you wish to book through us.
- We offer the certificate from Asia Masters Center for Training and Administrative Development.

➔ **The Cost Of The Training Program Includes The Following:**

- 1) Scientific article on flash memory.
- 2) Training Room.
- 3) Training.
- 4) Coffee break.
- 5) The training bag includes all the tools for the course.

Price (USD)

**Communicate with the training department
to know the participation fees**

➤ **There are offers and discounts for groups**

The details of the bank account

Bank name: CIMB Bank Berhad

Account name: Asia Masters Center SDN. BHD

Bank account number: 80-0733590-5

Swift code: CIBBMYKL

IBAN: Null