

Fundamentals of Traffic Control & Safety at Temporary Road Diversions

A course brought to you by

LTA ACADEMY
SINGAPORE

17 – 18

February 2022

PEB-PDU Points : 13

LTA Academy is a division under

Land Transport Authority
We Keep Your World *Moving*

Introduction

In a country with limited land space, many infrastructure projects require temporary road diversions to facilitate construction. Some of these diversions may last a couple of months while others may last a few years. It is necessary to adhere to the LTA's "Code of Practice for Traffic Control at Work Zone" to ensure the safety of all road users and the site staff and to minimize unnecessary traffic congestion.

Objectives

- To raise the awareness on the need to carry out road diversion work properly and safely;
- To explain the engineering concepts (road design and traffic control) behind the Code of Practice with examples; and
- To illustrate the requirements for the correct submissions on temporary road diversions by consultants and contractors to the Land Transport Authority for approval.

Who Should Attend

The 2-day course is suitable for consultants, engineers and site managers & supervisors of infrastructure projects where temporary road diversions are required.

Our Resource Persons

This course is organised by the LTA Academy and delivered by the LTA and associate expert trainers who have vast experience in road safety and traffic management processes for LTA's land transport infrastructure projects.



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Course Content

At the end of the programme, participants will gain an understanding of the following areas:

- Fundamental principles and considerations of temporary road design, traffic control and road safety at the work zones
- Good and bad practices evaluations
- Road diversion plans
- Level of details to be shown on various stages of traffic diversion plans submission
- Submission process of road diversion plans
- Traffic operations considerations
- Introduction to Project Safety Review (Safe To Use) process for road projects
- Overview of safety considerations in temporary traffic scheme
- Site Implementation Audit – Common safety findings

Course Schedule and Venue

Please see next page for the details of course schedule

Venue: 71 Chai Chee Street, Blk 1 Level 2, Training Room 1&2, Singapore 468981

Registration

Please click on the link below or scan the attached QR Code to register for the course:

<https://go.gov.sg/ltaa-rddiversions>

Class Size: Seats are limited to 25 participants per class

Payment: Participants will received payment method via email upon confirmation



Course Fee

Fee per Participant: S\$700 + S\$49 (GST)

Enquiry

Email: LTA-Academy@lta.gov.sg / sian_chean_chin@lta.gov.sg

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Course Schedule

Day 1 (17 Feb 2022)

Time	Session	Speaker
9.00 am	Opening and Introduction of IES Chartered Engineer Accreditation	Mr Lew Yii Der, Group Director, Safety & Contracts, LTA
9.10 am	Administrative Briefing	LTA Academy
9.15 am	Road Design <ul style="list-style-type: none"> ▪ Objectives of traffic diversions ▪ Road hierarchy and cross-sections ▪ Stopping sight distance ▪ Vertical alignment, horizontal alignment and super-elevation ▪ Truck-mounted attenuator (TMA) ▪ Drainage of the road surface and skid resistance ▪ Clearance to structures ▪ Road safety barricades and barriers ▪ Common road defects 	Mr Gopinath Menon, Associate Trainer, LTA
10.45 am	Break	
11.00 am	Traffic Control <ul style="list-style-type: none"> ▪ Speed-Flow relationships ▪ Effect of road diversions ▪ Traffic signs and road markings ▪ Transition zone ▪ Hoardings and fencing ▪ Access control ▪ Drivers' vision ▪ Looking after the needs of buses ▪ Vulnerable road users ▪ Junction layout and traffic controls ▪ Portable traffic light system 	
1.00 pm	Lunch Break	
2.30 pm	Project Safety Review (Safe To Use) Process for Road Projects <ul style="list-style-type: none"> • Overview of LTA's Total Safety Management Framework • Overview of PSR (Safe To Use) Process 	Mr Chris Loh, Senior Manager, Project & Construction Safety, LTA
4.15 pm	Break	
4.30 pm	Site Implementation Audit – Common Safety Findings	Mr Terence Lee, Deputy Manager, Project & Construction Safety, LTA
5.30 pm	End of Day 1	

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Course Schedule

Day 2 (18 Feb 2022)

Time	Session	Speaker
9.00 am	Overview of LTA's Road Diversion Management and Road Diversion Plans Submission <ul style="list-style-type: none"> • Overview of Road Diversion Management • Level of Details to be Shown on Different Stages of Traffic Diversion Plans Submission • Submission Process • Traffic Operation Considerations 	Ms Lim Pei Xuan, Deputy Manager, Traffic & Road Operations, LTA
10.30 am	Morning Break	
10.45 am	Areas of Road Safety Issues in Temporary Traffic Scheme <ul style="list-style-type: none"> • Traffic Junction • Traffic Signs and Lane Markings • Vulnerable Road Users • <i>(short break)</i> • Delineation and Channeling Device • Safety Barriers 	Dr Ho Sze Hwee, Manager, Project & Construction Safety, LTA
1.00 pm	Lunch Break	
2.00 pm	Workshop on Road Diversions (I) <ul style="list-style-type: none"> ▪ Reference materials for road diversions ▪ Components of an activity zone ▪ Checklists for road diversions ▪ Major issues of road diversions 	Dr Lum Kit Meng, NTU
3.45 pm	Afternoon Break	
4.00 pm	Workshop on Road Diversions (II) <ul style="list-style-type: none"> ▪ Case studies, group discussions and sharing ▪ Quizzes 	
5.45 pm	Closing	Dr Lum Kit Meng, NTU
	Feedback Survey	LTA Academy
6.00 pm	End of Program	