



GLOMACS
Training & Consultancy

Traffic Impact Analysis

Explore the Transportation and Land Use Interaction

22 - 26 Nov 2020, Dubai

Traffic Impact Analysis

Explore the Transportation and Land Use Interaction

Introduction

This GLOMACS Traffic Impact Analysis training course will provide a comprehensive understanding of the overall purpose, benefits, components of a traffic impact analysis, in addition to guidelines and the latest techniques utilized in data preparation and assessment processes.

Traffic Impact Analysis (TIA) is implemented to assess and evaluate the interaction between existing transport infrastructure and proposed land development projects. Development projects that would generate significant additional traffic require comprehensive Traffic Impact Analysis (TIA). Without a clear picture of the type of traffic movements or their scale, timing, and location, there is a high risk of the traffic movements to lead to unforeseen traffic congestion and safety concerns where the development connects to the roadway network. Preparing a Traffic Impact Analysis (TIA) report is a complex process.

The participants will have a thorough understanding of the gravity of a development project from the transportation perspective and will be able to conduct an in-depth Traffic Impact Analysis (TIA).

This GLOMACS training course will highlight:

- Purpose and the need for a Traffic Impact Analysis
- Overall Traffic Impact Analysis Framework
- Step-by-Step Operational and Safety Analysis
- Data Collection and Processing Tools, Techniques, for Historical Trends and Forecasting

Objectives

By the end of this GLOMACS training course, participants will be able to:

- Develop a solid base of knowledge in traffic impact analysis for types of a development project
- Evaluate the existing traffic and transportation conditions on different scales of networks
- Understand the overall framework of a Traffic Impact Analysis Study
- Identify potential adverse impacts on the current transportation system and to proposed development projects
- Evaluate the traffic conditions in the future year
- Recommend traffic improvement schemes to mitigate any deficiencies identified within the study area

Training Methodology

This GLOMACS Traffic Impact Analysis training course will have topics utilizing a variety of proven adult learning techniques, focused on case studies and best practices. This will include active participation in class practice cases, followed by active group sessions, video materials and tabletop activities.

Organisational Impact

The organization will benefit from understanding the guidelines and critical aspects of a Traffic Impact Analysis Study. This will guide and manage to reduce costs and enhance their organizations' workflow through the proper documentation of a Traffic Impact Analysis.

Impact on the organisation from delegates in attending this GLOMACS Traffic Impact Analysis training course includes the following benefits:

- Adopt an organized and planned way of Traffic Impact Analysis (TIA) Documentation
- Establish a solid foundation of their team in transport and land use interaction
- Reduce labor costs in Traffic Impact Analysis (TIA) documentation and reporting via enhancing the participants' efficiency
- Enhance the operational processes, policies and workflows
- Advance their comprehension in dealing with robust cases in traffic impact assessment
- Improve their public image

Personal Impact

This GLOMACS training course will personally benefit the participants to gain or enhance their understanding and knowledge by the following:

- Evaluate and assess the impact of any scale development project's impact on transportation
- Solid understanding of the framework, and each step of the methodologies
- Learn the latest data analytics techniques to process historical information and forecast future traffic of each transport mode
- Expertly integrate historical data/information, justify choices, and communicate results
- Confidence in making recommendations regarding the necessary improvements to the transportation authorities

Who Should Attend?

This GLOMACS Traffic Impact Analysis training course will significantly benefit to those who are involved in traffic and transportation engineering concepts, urban planning development, land use development, traffic management centers, and road infrastructure.

This GLOMACS training course is a suitable for a wide range of professionals but will significantly benefit:

- Traffic & Transportation Engineers and Professionals
- Professionals in Urban Planning and Development
- Project Managers in Infrastructure Solutions Consulting
- Data Analysts, Technicians in Traffic Management Centers
- Practitioners in Traffic and Transport Engineering
- Highway and Roadway Design Engineers
- Researchers and Consultants

DAY 1

Introduction to Traffic Impact Analysis and Studies

- Purpose of Traffic Impact Analysis
- Need for Traffic Impact Analysis
- Sustainable Transport Objectives
- Policy Context
- Methodology Meeting

DAY 2

Operational Analysis 1

- Traffic Impact Analysis Framework
- Identify Key Locations and Scenarios
- Analysis of Existing Conditions
 - Physical Characteristics and Data Collection
 - Traffic Volumes
 - Capacity / Level-of-Service

DAY 3

Operational Analysis 2

- Projected Traffic
 - Trip Generation
 - Directional Orientation (Trip Distribution)
 - Evaluation of Other Modes (Modal Split)
 - Traffic Assignment
 - Traffic Forecasting

DAY 4

Safety Analysis

- Crash History and Data Collection
- Data Analysis
- Conflict Analysis
- Intersection Sight Distance
- Signal Warrants
- Horizontal and Vertical Geometry
- Truck Movements

DAY 5

Overall Traffic Impact Assessment Process

- Traffic and Improvement Analysis
- Seasonal Variations
- Regional Demand Model vs. Growth Rates
- Overall Traffic Impact Assessment Process



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Code	Date	Venue	Fees
TE018	22 - 26 Nov 2020	Dubai - UAE	\$4,950

REGISTRATION DETAILS

LAST NAME: _____
FIRST NAME: _____
DESIGNATION: _____
COMPANY: _____
ADDRESS: _____
CITY: _____
COUNTRY: _____
TELEPHONE: _____
MOBILE: _____
FAX: _____
EMAIL: _____

AUTHORISATION DETAILS

AUTHORISED BY: _____
DESIGNATION: _____
COMPANY: _____
ADDRESS: _____
CITY: _____
COUNTRY: _____
TELEPHONE: _____
MOBILE: _____
FAX: _____
EMAIL: _____

PAYMENT DETAILS

- Please invoice my company
 Cheque payable to GLOMACS
 Please invoice me

CERTIFICATION

Successful participants will receive GLOMACS' Certificate of Completion

4 WAYS TO REGISTER

Tel: +971 (04) 425 0700
Fax: +971 (04) 425 0701
Email: info@glomacs.com
Website: www.glomacs.com

TERMS AND CONDITIONS

- Fees - Each fee is inclusive of Documentation, Lunch and refreshments served during the entire seminar.
- Mode of Payment - The delegate has the option to pay the course fee directly or request to send an invoice to his/her company/ sponsor. Credit card and cheque payments are both acceptable.
- Cancellation / Substitution - Request for seminar cancellation must be made in writing & received three (3) weeks prior to the seminar date. A US\$ 250.00 processing fee will be charged per delegate for each cancellation. Thereafter, we regret that we are unable to refund any fees due, although in such cases we would be happy to welcome a colleague who would substitute for you.
- Hotel Accommodation - is not included in the course fee. A reduced corporate rate and a limited number of rooms may be available for attendees wishing to stay at the hotel venue. Requests for hotel reservations should be made at least three (3) weeks prior to the commencement of the seminar. All hotel accommodation is strictly subject to availability and terms and conditions imposed by the hotel will apply.
- Attendance Certificate - a certificate of attendance will only be awarded to those delegates who successfully completed/ attended the entire seminar including the awarding of applicable Continuing Professional Education Units/Hours.
- Force Majeure - any circumstances beyond the control of the Company may necessitate postponement, change of seminar venue or substitution of assigned Instructor. The Company reserves the right to exercise this clause and implement such amendments.
- Fair Access / Equal Opportunities - In the provision of its services as a world-class Training Provider, the Company is committed to provide fair access / equal opportunities throughout the delivery of its courses and assessment leading to the completion of training seminars, or 3rd party qualifications/certifications.

