

Road Safety Audits & Inspections

INTRODUCTION

- After almost two decades of extensive experience with Road Safety Audit (RSA), this procedure is now recognized as one of the most efficient engineering tools. Road Safety Audit (RSA) is a highly efficient as well as cost-effective engineering tool for improvement of safety on roads. It is much cheaper to identify road safety deficiencies in the process of design than later after construction is completed. RSAs and their extended arm - Road Safety Inspections (RSI) are among the most cost-effective investments a Road Authority can undertake.
- This 5-day Road Safety Audits & Road Safety Inspections is designed to give a comprehensive knowledge of Road Safety Auditing (RSA) & Road Safety Inspections (RSI). It is a suitable background to RSA and RSI and advises them on safety issues correlated to several road elements. This will give an introduction and knowledge to the principles of RSA and RSI and to illustrate common problems that may affect road safety. The main aim of a road safety audit and inspection is to identify and address any road safety issues.

This training course will highlight:

- Organization of Road Safety Audits
- Types of Projects to Audit
- Road Safety Audit Process
- Specifics of Audit
- Audit Stages

OBJECTIVES

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

- Explain the purpose and procedures followed in Road Safety Audit (RSA) and Road Safety Inspections (RSI)
- Undertake Road Safety Audit (RSA) and Road Safety Inspections (RSI) more objectively and confidently
- Understand why we need to carry out Road Safety Audits and how to make it better
- Learn what is different between road safety audit and road safety inspection
- Write a good Road Safety Report and Corrective Action Responses
- Know the technicalities of Road Safety Audits: How to carry out a Road Safety Audit and write a Road Safety Audit procedure?
- Introduction to Practical Audit Sites
- Preparation of Audit Reports and Presentations

TRAINING METHODOLOGY

- This Road Safety Audits & Road Safety Inspections training course will use proven adult learning techniques, with the focus on case studies and solving actual problems through the guided examples. The instructor will use a theoretical basis, extended onto the practical examples of success and mistake stories, backed up with the videos and tabletop exercises.

ORGANISATIONAL IMPACT

- The training course focuses on the delivery of a practical working understanding for those looking for background and perception of the Road Safety Auditing (RSA) & Road Safety Inspections (RSI).

The participants in this training course will:

- Develop a better understanding of Road Safety Auditing (RSA) & Road Safety Inspections (RSI)
- Make less mistake working on Road Safety Auditing (RSA) & Road Safety Inspections (RSI)
- Know the difference between Road Safety Auditing (RSA) & Road Safety Inspections (RSI), and not mix it
- Improve and increase their knowledge

PERSONAL IMPACT

- The participants will obtain fundamental theoretical and practical knowledge, as well as integrated information about Road Safety Auditing (RSA) & Road Safety Inspections (RSI), as well as traffic safety, traffic accident, traffic design, etc. The participants on this Road Safety Audits & Road Safety Inspections training course is going to learn methods that help both experienced and beginner Auditor, provide the knowledge needed to avoid obstructions and mistakes in the Road Safety Auditing (RSA) & Road Safety Inspections (RSI).

The participants will gain or enhance their understanding by the following:

- Learn the process of Road Safety Auditing (RSA) & Road Safety Inspections (RSI)
- Understand the impact of road design on Road Safety Auditing (RSA) & Road Safety Inspections (RSI)
- Learn how to conduct effective incident investigation and analysis in Road Safety Auditing (RSA) & Road Safety Inspections (RSI)
- Gain knowledge in on-road fact-finding
- Understand how to properly Road Safety Auditing (RSA) & Road Safety Inspections (RSI) report

WHO SHOULD ATTEND?

- This Road Safety Audits & Road Safety Inspections is designed for all future Road Safety Auditing (RSA) & Road Safety Inspections (RSI) Engineers, as well as decision-makers, engineers, and other participants in RSA and RSI sectors.

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

- Researchers, Consultants, and all Practitioners in Road Safety Auditing (RSA) & Road Safety Inspections (RSI)
- Traffic engineers and Civil engineers involving in Management, Analytics, Optimization, Project Management and traffic optimization regarding Road Safety Auditing (RSA) & Road Safety Inspections (RSI)
- Engineering Technologist and Project Managers working for Local Government, or State and Federal Agencies, Consultants and Contractors in Maintenance Process
- Traffic Engineers, Civil Engineers and Transportation Engineers
- Highway and Road Engineers

Course Outline

What Road Safety Audit (RSA) and Road Safety Inspections (RSI) are?

- Introduction
- Historic Background
- Defining Road Safety Audit (RSA) and Road Safety Inspections (RSI)
- Principles of Road Safety Audits (RSA) and Road Safety Inspections (RSI)
- Road Safety Audit Concept

Audit Stages

- Audit Stages
- Feasibility (Planning) Stage
- Draft (Preliminary and Layout) Design Stage
- Detailed Design Stage
- Pre-Opening Stage
- Post-Opening (and Existing) Stage
- Recommended Stages for Various Projects
- Types of Projects to Audit
- The Audit Team

Specifics of Audit

- Roles and Responsibilities of Participants
- Organization of Road Safety Audits (RSA) and Road Safety Inspections (RSI)
- Training of Auditors

- Monitoring and Evaluation
- Road Safety Audit (RSA) and Road Safety Inspections (RSI) Process

Checklists

- Overview of Checklists for Road Safety Audits and Road Safety Inspections
- Checklist and Control Data
- Audit of Land Use Developments
- Roadside Hazards
- Audit of Road Works Traffic Schemes
- Priority Junctions, Roundabouts, Pedestrian and Cycle Crossings
- Traffic Signals

Cooperation with the Designers

- The Influence of Road Safety Audits (RSA) on the Design
- Best Practices to Implement Road Safety Audits (RSA) Findings
- The Designer Buy-in
- Common Problems and Solutions
- Discussion and Questions