Road Safety Audits and Inspections Training Course

Professional Development Training Course Outline

Category	Traffic Management & Road Safety	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Road safety has become a critical global concern due to increasing traffic volumes, urbanization, and complex transportation networks. Effective Road Safety Audits (RSA) and inspections play a pivotal role in identifying potential hazards, mitigating accident risks, and enhancing sustainable mobility. Road Safety Audits and Inspections Training Course is designed to equip professionals with advanced skills in risk assessment, traffic engineering, and infrastructure safety management, ensuring roads are safe for all users. Participants will gain hands-on experience in evaluating road projects, implementing proactive safety measures, and complying with international road safety standards.

With a focus on data-driven decision-making, hazard identification, and preventive strategies, this course provides a comprehensive understanding of modern road safety practices. By integrating real-world case studies and interactive exercises, participants will learn to conduct audits efficiently, recommend actionable solutions, and foster a culture of safety across transportation networks. Whether for new road projects or existing infrastructure, the training emphasizes evidence-based recommendations, sustainable road design, and regulatory compliance, empowering professionals to reduce accidents and save lives.

Programme Curriculum

Road Safety Audits and Inspections Training Course

Introduction

Road safety has become a critical global concern due to increasing traffic volumes, urbanization, and complex transportation networks. Effective Road Safety Audits (RSA) and inspections play a pivotal role in identifying potential hazards, mitigating accident risks, and enhancing sustainable mobility. Road Safety Audits and Inspections Training Course is designed to equip professionals with advanced skills in risk assessment, traffic

engineering, and infrastructure safety management, ensuring roads are safe for all users. Participants will gain hands-on experience in evaluating road projects, implementing proactive safety measures, and complying with international road safety standards.

With a focus on data-driven decision-making, hazard identification, and preventive strategies, this course provides a comprehensive understanding of modern road safety practices. By integrating real-world case studies and interactive exercises, participants will learn to conduct audits efficiently, recommend actionable solutions, and foster a culture of safety across transportation networks. Whether for new road projects or existing infrastructure, the training emphasizes evidence-based recommendations, sustainable road design, and regulatory compliance, empowering professionals to reduce accidents and save lives.

Course Duration

5 days

Course Objectives

1. Understand the fundamentals of Road Safety Audits (RSA) and inspections.
2. Develop skills in hazard identification and risk assessment techniques.
3. Apply international road safety standards and best practices.
4. Conduct pre-construction and post-construction audits effectively.
5. Utilize data-driven methods for accident and traffic analysis.
6. Improve road user safety through proactive engineering measures.
7. Learn pedestrian, cyclist, and vehicle safety considerations.
8. Recommend cost-effective road safety improvements.
9. Implement sustainable and eco-friendly safety solutions.
10. Evaluate the effectiveness of road safety interventions.
11. Analyze case studies of successful road safety audits worldwide.
12. Integrate smart transport technologies in safety planning.
13. Enhance professional competency in road safety project management.

Target Audience

1. Traffic and Highway Engineers
2. Road Safety Auditors and Inspectors
3. Urban Planners and Transport Consultants
4. Government Road Authorities
5. Infrastructure Project Managers
6. Construction Supervisors
7. Road Safety Advocates
8. Civil Engineering Students and Academics

Course Modules

Module 1: Introduction to Road Safety Audits

- Overview of **road safety principles** and objectives
- Types of **road safety audits**
- Legal and regulatory frameworks
- **Stakeholder roles** in RSA
- **Case study:** RSA implementation on urban highways

Module 2: Road Risk Assessment Techniques

- Identifying **hazards and high-risk zones**
- **Crash data analysis** and interpretation
- Prioritizing risk mitigation measures
- Quantitative and qualitative assessment tools
- **Case study:** Reducing accident hotspots using predictive analytics

Module 3: Pre-Construction Road Safety Audits

- Audit process for new road designs
- **Design evaluation techniques** for safety
- Risk prediction using modeling software
- Recommendations for **safe road layouts**
- **Case study:** Highway expansion project RSA

Module 4: Post-Construction Road Safety Inspections

- On-site safety inspection methodologies
- Monitoring **road furniture, signage, and markings**
- Evaluating traffic flow and behavior
- Implementing **corrective actions**
- **Case study:** Accident reduction after road modifications

Module 5: Road User Safety and Human Factors

- Understanding driver, pedestrian, and cyclist behavior
- **Human error analysis** in crashes
- Enhancing safety with **traffic calming measures**
- Community awareness and education strategies
- **Case study:** Pedestrian safety in urban intersections

Module 6: Data-Driven Road Safety Management

- Collecting and analyzing **traffic accident data**
- Using **GIS and simulation tools** for safety planning
- Predictive modeling for crash prevention
- Reporting and documentation standards
- **Case study:** Smart city traffic management for safer roads

Module 7: Sustainable and Innovative Road Safety Solutions

- Eco-friendly materials and road designs
- **Intelligent Transport Systems (ITS)** for safety
- Innovative signage and lighting solutions
- Integrating **green mobility solutions**
- **Case study:** ITS deployment in high-risk corridors

Module 8: Audit Reporting and Recommendations

- Preparing structured **audit reports**
- Communicating findings to stakeholders

- Cost-benefit analysis of proposed interventions
- Monitoring and follow-up strategies
- **Case study:** RSA impact on national road safety policy

Training Methodology

This course employs a participatory and hands-on approach to ensure practical learning, including:

- Interactive lectures and presentations.
- Group discussions and brainstorming sessions.
- Hands-on exercises using real-world datasets.
- Role-playing and scenario-based simulations.
- Analysis of case studies to bridge theory and practice.
- Peer-to-peer learning and networking.
- Expert-led Q&A sessions.
- Continuous feedback and personalized guidance.

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call +254769199797

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

Ready to enroll or request a customized program? Book online or contact us:

Register Online Now

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com