Roadworks and Temporary Traffic Management (TTM) 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

Roadworks and Temporary Traffic Management (TTM) are critical components of modern infrastructure development, ensuring safety, efficiency, and minimal disruption on our roads. With the rise in urbanization, smart city projects, and increasing vehicular traffic, professionals in construction, civil engineering, and traffic management need advanced skills in planning, implementing, and supervising temporary traffic solutions. Roadworks and Temporary Traffic Management (TTM) Training Course leverages cutting-edge safety protocols, real-world case studies, and industry best practices to equip participants with the expertise required for effective roadworks and TTM operations.

Participants will gain practical knowledge on risk assessment, traffic control strategies, signage compliance, and emergency response management, making them proficient in handling complex roadwork environments. By integrating hands-on simulations, interactive workshops, and real-life project analysis, this training empowers professionals to deliver high-impact, safe, and efficient traffic management solutions. The course is designed to enhance professional competency, reduce workplace incidents, and align with the latest regulatory standards, digital monitoring tools, and sustainable infrastructure practices.

Programme Curriculum

Roadworks and Temporary Traffic Management (TTM) Training Course

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Course Duration

5 days

Course Objectives

1. Master the principles of Temporary Traffic Management (TTM) for diverse roadwork scenarios.
2. Understand and apply risk assessment and hazard identification methodologies.
3. Implement traffic control strategies to minimize congestion and accidents.
4. Apply signage, barricades, and road marking protocols as per legal standards.
5. Develop site-specific traffic management plans using modern software tools.
6. Enhance workplace safety awareness and compliance with OSHA/ISO guidelines.
7. Utilize smart city technology for real-time traffic monitoring.
8. Manage emergency response and incident handling effectively.
9. Analyze case studies of complex roadworks projects for practical insights.
10. Integrate sustainable and eco-friendly traffic management solutions.
11. Improve team leadership, communication, and stakeholder coordination on-site.
12. Employ digital simulation tools for predictive traffic planning.
13. Stay updated on latest TTM trends, regulations, and industry best practices.

Target Audience

1. Road construction engineers
2. Traffic management coordinators
3. Civil engineers
4. Highway safety inspectors
5. Project managers in infrastructure projects
6. Urban planners
7. Construction supervisors
8. Public safety officers

Course Modules

Module 1: Introduction to Roadworks and TTM

- Overview of TTM principles and scope
- Legal and regulatory frameworks
- Importance of safety and risk mitigation
- Key TTM tools and equipment
- Case Study: Urban roadworks management

Module 2: Risk Assessment and Safety Planning

- Hazard identification techniques
- Conducting site risk assessments
- Emergency preparedness and response
- Safety audit protocols
- Case Study: High-risk highway construction project

Module 3: Traffic Control Strategies

- Lane closure planning and traffic diversion
- Pedestrian and cyclist safety measures
- Coordinating with law enforcement and emergency services
- Traffic flow optimization techniques
- Case Study: Major city intersection redesign

Module 4: Signage, Barricades, and Road Markings

- Types of temporary signage and applications
- Barricade placement and material selection
- Pavement marking standards
- Compliance with local and international regulations
- Case Study: Night-time roadwork signage efficiency

Module 5: Site-specific Traffic Management Plans

- Steps to develop effective TTM plans
- Using digital tools for planning
- Stakeholder engagement strategies
- Documentation and reporting best practices
- Case Study: Multi-lane highway expansion project

Module 6: Emergency Response and Incident Handling

- Incident response protocols
- Coordination with emergency responders
- Evacuation planning and traffic rerouting
- Post-incident analysis and reporting
- Case Study: Accident management during roadworks

Module 7: Advanced Tools and Smart Technology

- Traffic monitoring software
- Smart cones and sensor technology
- Real-time traffic data analysis
- Predictive modeling for congestion
- Case Study: Smart city traffic management pilot

Module 8: Sustainable and Efficient Traffic Solutions

- Minimizing environmental impact
- Use of recycled materials in TTM setups

- Energy-efficient lighting and signage
- Green traffic planning practices
- Case Study: Eco-friendly urban roadwork implementation

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:

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