

ROAD MAINTENANCE TRAINING

“Extending the Life of Roads through Smart Maintenance Practices”

Schedule

Venue (InHouse)	Fees
At Your Organization Premises	Ask For The Quotation

► **Available delivery methods:** In-House Training

Introduction

Road infrastructure is one of the most valuable public assets, and its proper maintenance is vital for safety, performance, and cost-efficiency. This training program provides participants with a comprehensive understanding of modern road maintenance principles, techniques, and management strategies. It focuses on preventive maintenance, repair methods, pavement evaluation, and sustainable maintenance planning to ensure long-term performance of road networks.

Objectives

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

- Understand the principles and importance of road maintenance.
- Identify types of pavement deterioration and their causes.
- Apply appropriate maintenance and repair techniques.
- Plan and manage road maintenance programs effectively.
- Evaluate pavement condition using modern inspection methods.
- Integrate sustainability and safety into maintenance operations.

Why Attend

This course helps professionals enhance their knowledge and practical skills in maintaining and managing road infrastructure. Attending will enable participants to minimize lifecycle costs, improve road safety, and ensure optimum serviceability of road networks.

Target Audience

- Civil and Highway Engineers
- Road Maintenance Supervisors and Inspectors
- Transportation and Infrastructure Managers
- Project Engineers and Technicians
- Government and Municipal Officials responsible for road works

Individual Benefits

- Strengthened technical understanding of road maintenance processes.
- Improved ability to identify and prioritize maintenance needs.
- Enhanced skills in planning and executing maintenance programs.
- Better career prospects in infrastructure and transportation sectors.

Organizational Benefits

- Improved road network performance and longevity.
- Reduced maintenance costs and resource wastage.
- Enhanced safety and service quality for road users.
- Compliance with national and international standards.

Instructional Methodology

The course uses a combination of:

- Interactive presentations and expert lectures
- Real-life case studies and group discussions
- Hands-on workshops and practical exercises
- Multimedia visuals and performance evaluations

Course Outline

Day 1: Fundamentals of Road Maintenance

- Importance and objectives of maintenance
- Types of road maintenance (routine, periodic, emergency)
- Pavement structures and materials overview

Day 2: Pavement Deterioration and Evaluation

- Types and causes of pavement failures
- Pavement inspection and condition assessment methods
- Maintenance prioritization and decision-making

Day 3: Maintenance and Repair Techniques

- Crack sealing, patching, resurfacing, and overlays
- Drainage maintenance and shoulder repairs
- Maintenance of unpaved and rural roads

Day 4: Maintenance Management and Planning

- Maintenance management systems (MMS)
- Budgeting, scheduling, and resource allocation
- Performance-based maintenance contracting

Day 5: Sustainability and Case Studies

- Environmentally friendly maintenance practices
- Road safety in maintenance operations
- Global best practices and successful project examples

Certification

Participants who successfully complete the training will receive a Certificate of Completion in Road Maintenance Training, recognizing their expertise and commitment to infrastructure excellence.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
- **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.
- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
- **Client-Focused Solutions:** Customized programs designed to achieve your organisation's unique goals.

In-House / Customized Training

Interested in running this course for your team?

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