

Road and Bridge Project Management and Implementation

Online

19 - 30 April 2026

UK Training

PARTNER



Road and Bridge Project Management and Implementation

Code: PM28 From: 19 - 30 April 2026 City: Online Fees: 2800 Pound

Introduction

Roads and bridges are critical components of infrastructure development, driving economic growth and enhancing regional connectivity. This specialized training course is designed to equip professionals with the technical, managerial, and regulatory skills necessary to successfully plan, manage, and execute road and bridge projects.

The course covers the entire project lifecycle – from feasibility studies and engineering design to construction supervision, cost control, safety, and environmental compliance. Participants will gain hands-on knowledge in project management road maps, bridge project management, and road management best practices to ensure projects are delivered on time, within budget, and to the highest quality standards.

Course Objectives

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

- Understand the lifecycle of road and bridge projects from feasibility to commissioning.
- Apply project management techniques including planning, scheduling, and budgeting.
- Interpret design standards, engineering drawings, and technical specifications for road and bridge projects.
- Monitor project implementation in accordance with quality, safety, and environmental requirements.
- Manage procurement, stakeholder engagement, and contract management effectively.
- Ensure road safety management services and compliance with international standards.

Course Outlines

Day 1: Fundamentals of Road and Bridge Projects

- Overview of road and bridge infrastructure.
- Importance of transportation infrastructure in national development.
- Project lifecycle: planning, design, execution, and closure.
- Key stakeholders in public infrastructure projects.
- Common challenges and risk factors in road and bridge project management.

Day 2: Feasibility Studies and Preliminary Planning

- Site selection and route alignment for optimal performance.
- Traffic and environmental impact assessments for sustainable design.
- Topographic and geotechnical surveys for site analysis.
- Preliminary cost estimation and economic justification.
- Risk assessment and mitigation planning for project stability.

Day 3: Engineering Design and Specifications

A graphic featuring the text 'UK Training PARTNER' in black, with 'PARTNER' in a larger, bold font. The text is positioned above a chessboard with several chess pieces (a king, a queen, and a pawn) in the foreground, set against a background of concentric circles.

- Road design standards and geometric design elements.
- Types of bridges and structural design considerations.
- Pavement design: flexible vs. rigid road surfaces.
- Drainage systems and erosion control mechanisms.
- Preparation and interpretation of engineering drawings.

Day 4: Project Planning and Scheduling

- Work breakdown structure WBS and task sequencing.
- Critical Path Method CPM and Gantt Charts for scheduling.
- Resource allocation and productivity planning.
- Time-cost trade-offs and schedule optimization.
- Monitoring tools: MS Project, Primavera for real-time project tracking.

Day 5: Budgeting, Cost Control, and Financing

- Cost estimation methods for accurate project budgeting.
- Budget preparation and financial planning for road and bridge projects.
- Cost monitoring and control mechanisms to prevent overruns.
- Public and private sector funding options for infrastructure projects.
- Financial reporting and auditing for transparency and accountability.

Day 6: Procurement and Contract Management

- Types of contracts: EPC, BOT, FIDIC, and more.
- Tendering processes and bid evaluation.
- Contract negotiation and administration for successful execution.
- Dispute resolution and claims management.
- Coordination with subcontractors and suppliers for smooth project flow.

Day 7: Construction Supervision and Site Management

- Site setup and logistics planning for efficient workflow.
- Earthworks, roadbed preparation, and bridge foundations.
- Material testing and quality assurance for durability and compliance.
- Construction progress monitoring and documentation.
- Ensuring compliance with health, safety, and environmental regulations.

Day 8: Quality Control and Risk Management

- Quality management systems ISO 9001 in infrastructure projects.
- Inspection and testing protocols to ensure standard compliance.
- Non-conformance reporting and corrective action planning.
- Risk identification and response strategies for project stability.
- Effective document control and record-keeping for project traceability.

Day 9: Environmental and Social Safeguards

- Environmental management plans EMP for sustainable construction.

A graphic of a chessboard with several chess pieces. A large gold king piece is in the foreground, with a silver pawn and a gold pawn behind it. The board has a checkered pattern of light and dark squares.

UK Training
PARTNER

- Pollution control: air, water, and noise mitigation.
- Social impact mitigation and resettlement policies.
- Stakeholder consultation and community engagement.
- Compliance with national and international environmental standards.

Day 10: Project Closure and Sustainability

- Final inspection and handover procedures for completed projects.
- Post-construction evaluation and lessons learned.
- Maintenance planning and infrastructure asset management.
- Innovations in road and bridge construction technologies.
- Course wrap-up, group presentations, and certification ceremony.

Why Attend This Course: Wins & Losses!

- Master Road and Bridge Project Lifecycles: Understand each phase from feasibility to commissioning.
- Improve Planning and Cost Control Skills: Learn to schedule, budget, and optimize costs effectively.
- Interpret Technical Drawings and Specifications: Develop the ability to read and analyze engineering designs.
- Ensure Quality and Safety Compliance: Monitor construction activities to meet international standards.
- Expand Career Opportunities: Enhance your skills for roles in road management, bridge management, and infrastructure development.

Conclusion

By the end of this course, participants will have the confidence and skills to lead and manage road and bridge projects from concept to completion.

They will be equipped to plan strategically, supervise effectively, mitigate risks, and deliver sustainable infrastructure that supports national development goals.

Join this course to become a leader in road and bridge management, ensuring that critical infrastructure projects are delivered on time, within budget, and with exceptional quality.

Blackbird Training Cities

Europe



Malaga (Spain)



Sarajevo (Bosnia and Herzegovina)



Oporto (Portugal)



Glasgow (Scotland)



Edinburgh (UK)



Oslo (Norway)



Annecy (France)



Bordeaux (France)



Copenhagen (Denmark)



Birmingham (UK)



Lyon (France)



Moscow (Russia)



Stockholm (Sweden)



Podgorica (Montenegro)



Batumi (Georgia)



Salzburg (Austria)



Florence (Italy)



London (UK)



Istanbul (Turkey)



Amsterdam



Düsseldorf (Germany)



Paris (France)



Athens (Greece)



Barcelona (Spain)



Munich (Germany)



Geneva (Switzerland)



Prague (Czech)



Vienna (Austria)



Rome (Italy)



Brussels (Belgium)



Madrid (Spain)



Berlin (Germany)



Lisbon (Portugal)



Zurich (Switzerland)



Manchester (UK)



Milan (Italy)



Blackbird Training Cities

USA & Canada



Los Angeles (USA)



Orlando, Florida (USA)



Online



Phoenix, Arizona (USA)



Houston, Texas (USA)



Boston, MA (USA)



Washington (USA)



Miami, Florida (USA)



New York City (USA)



Seattle, Washington (USA)



Washington DC (USA)



In House



Jersey, New Jersey (USA)



Toronto (Canada)

ASIA



Baku (Azerbaijan)
(Thailand)



Maldives (Maldives)



Doha (Qatar)



Manila (Philippines)



Bali (Indonesia)



Bangkok



Beijing (China)



Singapore (Singapore)



Sydney



Tokyo (Japan)



Jeddah (KSA)



Riyadh (KSA)



Melbourne (Australia)
(Kuwait)



Phuket (Thailand)



Shanghai (China)



Dubai (UAE)



Kuala Lumpur (Malaysia)



Kuwait City



Seoul (South Korea)



Pulau Ujong (Singapore)



Irbid (Jordan)



Jakarta (Indonesia)



Amman (Jordan)



Beirut



Blackbird Training Cities

AFRICA



Kigali (Rwanda)



Cape Town (South Africa)



Accra (Ghana)



Lagos (Nigeria)



Marrakesh (Morocco)



Nairobi (Kenya)



Zanzibar (Tanzania)



Tangier (Morocco)



Cairo (Egypt)



Sharm El-Sheikh (Egypt)



Casablanca (Morocco)



Tunis (Tunisia)



Blackbird Training Clients



MANNAI Trading
Company WLL,
Qatar



Alumina Corporation
Guinea



Booking.com
Netherlands



Oxfam GB International
Organization,
Yemen



Capital Markets
Authority,
Kuwait



Waltersmith Petroman Oil Limited
Nigeria



Qatar National Bank
(QNB),
Qatar



Qatar Foundation,
Qatar



AFRICAN UNION ADVISORY
BOARD ON CORRUPTION,
Tanzania



KFAS
Kuwait



Reserve Bank of
Malawi,
Malawi



Central Bank of Nigeria
Nigeria



Ministry of Interior
Kingdom of Saudi Arabia
KSA



Mabruk Oil Company
Libya



Saudi Electricity
Company,
KSA



BADAN PENGELOLA
KEUANGAN Haji,
Indonesia



NATO
Italy



ENI CORPORATE
UNIVERSITY,
Italy



Gulf Bank
Kuwait



المؤسسة العامة للتأمينات الاجتماعية
General Organization for Social Insurance
KSA



Defence Space Administration
Nigeria



National Industries
Group (Holding),
Kuwait



Hamad Medical
Corporation,
Qatar



USAID
Pakistan



STC Solutions,
KSA



North Oil company,



EKO Electricity



Oman Broadband



UNITED NATIONS
UN.



Authority for

UK Training
PARTNER

Blackbird Training Categories

Management & Admin

Entertainment & Leisure
Professional Skills
Finance, Accounting, Budgeting
Media & Public Relations
Project Management
Human Resources
Audit & Quality Assurance
Marketing, Sales, Customer Service
Secretary & Admin
Supply Chain & Logistics
Management & Leadership
Agile and Elevation

Technical Courses

Artificial Intelligence (AI)
Hospital Management
Public Sector
Special Workshops
Oil & Gas Engineering
Telecom Engineering
IT & IT Engineering
Health & Safety
Law and Contract Management
Customs & Safety
Aviation
C-Suite Training



 International House 185 Tower Bridge
Road London SE1 2UF United Kingdom

 +44 7401 1773 35
+44 7480 775526

 Sales@blackbird-training.com

 www.blackbird-training.com

UK Training
PARTNER

