



# Road Asset Management Fundamentals Training Course Synopsis



# Course overview

An effective road asset management system comprises the processes, tools, data and policies necessary for the management of all the physical assets for which road authorities have a responsibility with the objective of providing the required level of service in the most cost-effective manner.

As a discipline aimed at facilitating decision-making, road asset management is a powerful tool for both national and local road agencies, providing a framework for managing their networks and prioritizing further investments using a long-term life-cycle approach.

This course will cover the principles, concepts, components, techniques and benefits of managing road and transportation assets. The contents will be based on international, national, state and government practitioner handbooks as well as the hands-on experience of the course instructors. The course will teach the most relevant best practices as they relate to strategic asset management, tactical asset management planning and operational asset management & service delivery.

**After attending our Road Asset Management course, participants should be able to:**

- Better understand each of the aspects of Strategic, Tactical and Operational Asset Management and their related functions
- Recognise the need to further develop asset management capacity and capability for their organisation, and have some methods to do so
- Understand the importance of 'aligning' asset management practices and approach to achieve organisational objectives
- Identify and develop appropriate delivery models for asset management and maintenance services that ensure optimum return on investment and excellent service delivery performance
- Be able to undertake, or support the development of asset management strategies and plans, lifecycle activities, and evaluate different service delivery and performance management options
- Understand the considerations for, and implications from climate change impacts and carbon reduction measures to improve asset management sustainability.
- Apply risk management principles to road assets
- Understand the principles and requirements of the ISO55000 Series Asset Management Standard and how it applies to road and transport assets

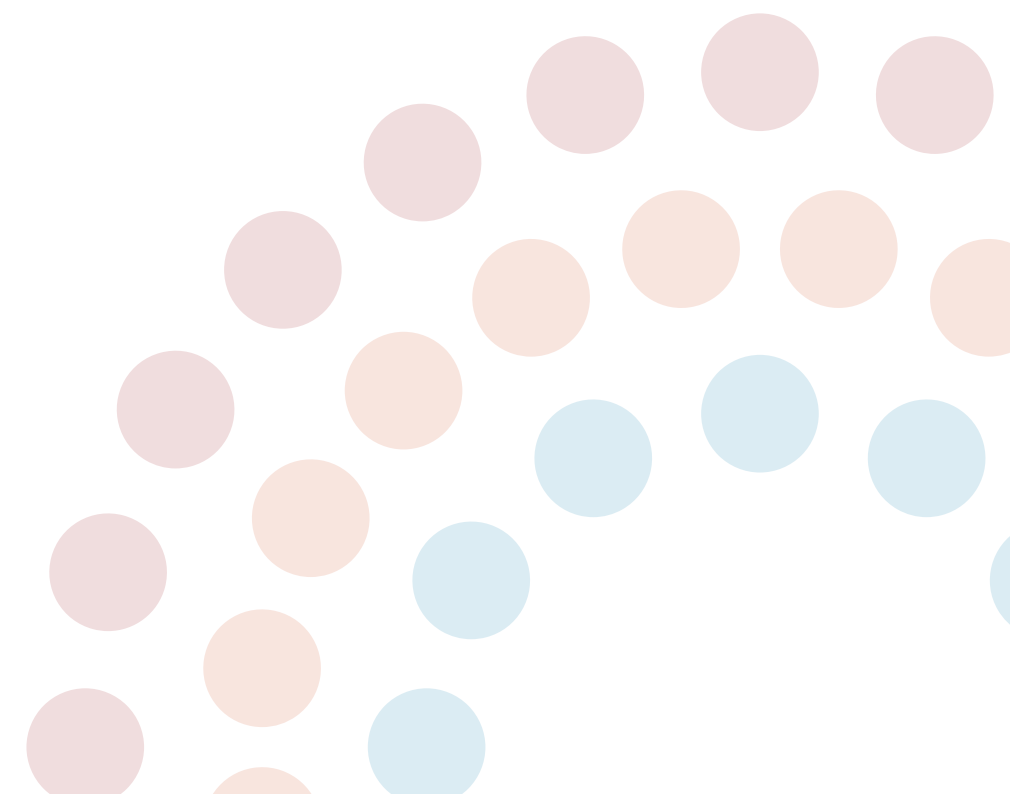
**How we'll work together during the course:-**

- Structured elements for each session, with established timeframes
- Course consists of live online learning, collaborative group activities, individual learning opportunities, as well as nominated presentation sessions
- Informal learning settings with all attendees encouraged to contribute
- Ample opportunity to share ideas, discuss challenges and create solutions and a better way forward together

**Who Should attend this Training?**

Ideally this training is targeted at those working within the respective road service with low to medium level experience in applying asset management principles and practices. This would typically include:

- road engineers and technicians
- transport planners and planning technicians
- roads maintenance team members
- roads programme and project managers
- other roles involved in managing and maintaining road and transport assets.





## Course schedule

**Our Course will be delivered via an Online Training Portal and will consist of:**

- A pre-training questionnaire designed to gauge experience and knowledge levels to be completed 2 weeks prior to course commencement and will allow Trainers to identify and target key areas as needed.
- Eight (8) x 2-hour interactive training sessions
- These 8 Modules to be delivered over a 4-week period (2 modules per week x 4 weeks) (this can be amended through discussion and agreement with attendee group)
- Mandatory End of Course on-line Examination – pass required for completion.
- Post-Training Evaluation assessing effectiveness of the Training
- Completion of the training will provide recognized Continuing Professional Development (CPD) as endorsed by the International Road Federation (IRF Global)

We will also be offering this course in the future as a series of pre-recorded instructor-narrated sessions in the same format and course content as described above.

## Cost of the course

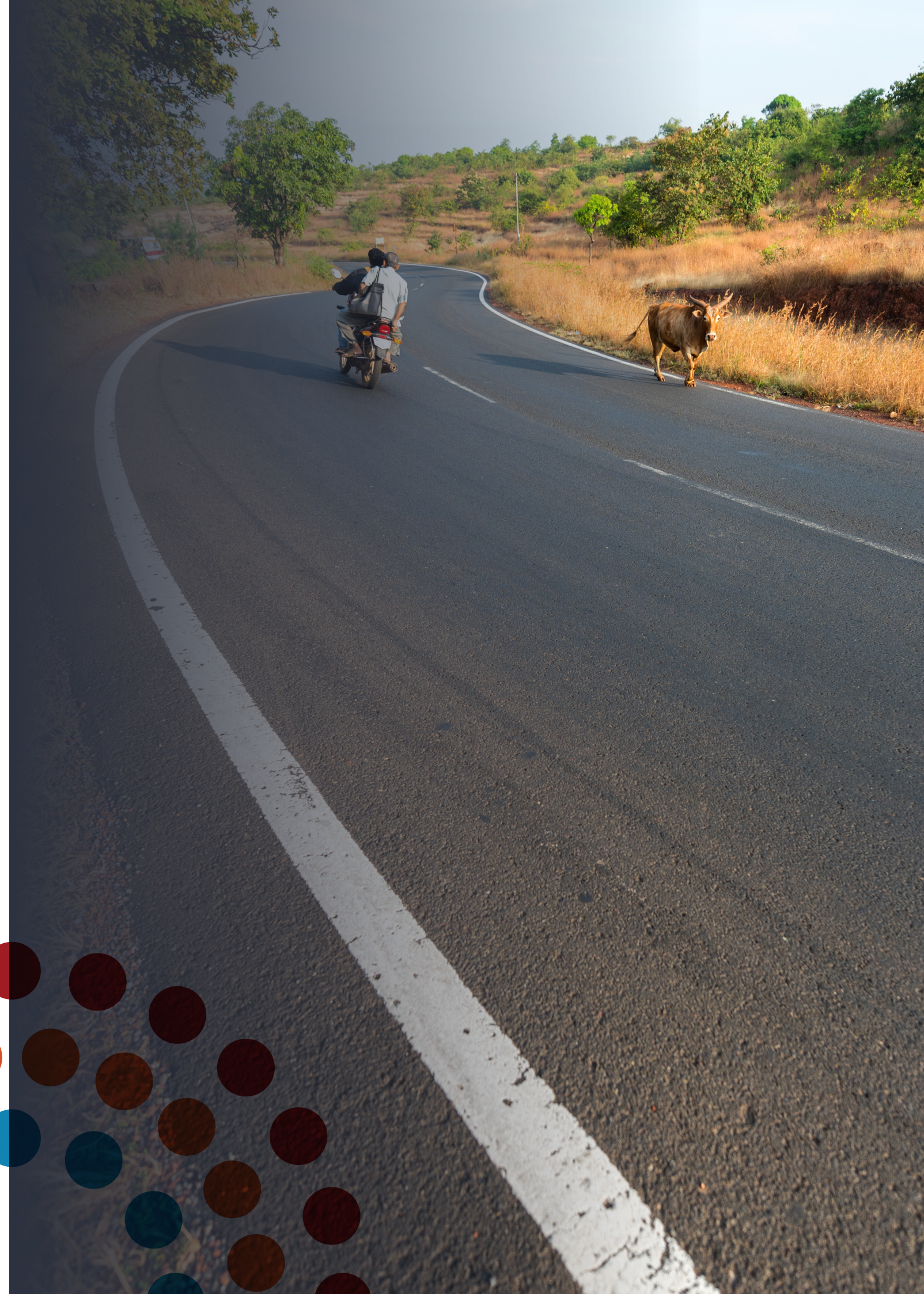
This Course is offered on the basis of the full eight (8) training sessions over the prescribed period, and pricing is applied on this total course completion, and not on a module-by-module basis.

Depending on the number of attendees and format for the training, our Training & Development Coordinator can discuss pricing and payment options that best suit your organisation's needs.

Our Training & Development Coordinator will be our key contact point for all correspondence prior to, during and following the training.

Contact [elaine@essencyconsulting.com](mailto:elaine@essencyconsulting.com) or [training@essencyconsulting.com](mailto:training@essencyconsulting.com)

If you are unable to attend one of these sessions live, please let the Training & Development Coordinator know.





# Roads Asset Management Fundamentals Course Structure

<b>Session 1:</b> ASSET MANAGEMENT SYSTEM OVERVIEW	Session 1 learning objectives: <ul style="list-style-type: none"> <li>• Welcome</li> <li>• What is Asset Management?</li> <li>• History &amp; Background</li> <li>• Overview &amp; Principles</li> <li>• Benefits &amp; Risks</li> </ul>
<b>Session 2:</b> ASSET MANAGEMENT SYSTEMS	Session 2 learning objectives: <ul style="list-style-type: none"> <li>• Defining the AMS and its role within the Organisation</li> <li>• What is a Road Asset Management System and how should it work?</li> </ul>
<b>Session 3:</b> STRATEGIC ASSET MANAGEMENT	Session 3 learning objectives: <ul style="list-style-type: none"> <li>• Developing an Asset Management Framework, Policy and Strategy</li> <li>• Implementing the Asset Management Framework</li> </ul>
<b>Session 4:</b> TACTICAL ASSET MANAGEMENT	Session 4 learning objectives: <ul style="list-style-type: none"> <li>• Asset Data &amp; Information</li> <li>• Data Collection</li> </ul>
<b>Session 5:</b> LIFECYCLE PLANNING	Session 5 learning objectives: <ul style="list-style-type: none"> <li>• Lifecycle planning</li> <li>• Investment Planning / Funding Strategies</li> <li>• Lifecycle approach and processes</li> </ul>
<b>Session 6:</b> RISK MANAGEMENT AND STAKEHOLDER ENGAGEMENT	Session 6 learning objectives: <ul style="list-style-type: none"> <li>• Risk Management</li> <li>• Stakeholder Management</li> <li>• Communication</li> </ul>
<b>Session 7:</b> ASSET MANAGEMENT SERVICE DELIVERY MODELS	Session 7 learning objectives: <ul style="list-style-type: none"> <li>• Delivery of Works</li> <li>• Outsourcing / Insourcing</li> <li>• Contract Mechanisms</li> </ul>
<b>Session 8:</b> PERFORMANCE MANAGEMENT & COURSE SUMMARY	Session 8 learning objectives: <ul style="list-style-type: none"> <li>• Performance Contracts</li> <li>• Service Levels / KPI's</li> <li>• Implementing Performance Management</li> <li>• Course review and Summary</li> </ul>

## Meet your instructors

### Scott Bloxsom

Scott Bloxsom is a Chartered Professional Engineer with over 30 years' experience in a wide range of asset management and engineering projects. Scott has worked extensively with both public and private sector clients in Australia, United Kingdom, Europe and the Middle East advising and implementing asset management principles and performance-based contract development, delivery and review. He is the Principal and founder of Essency Consulting Limited, an asset management and contract services

company delivering tailored services to clients in the infrastructure sectors.

Scott is a Chartered member of Engineers Australia, a member of the Institute of Asset Management (UK) and Asset Management Council of Australia, and a qualified assessor to the ISO55000 and PAS55:2008 Asset Management standards.

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### Craig Nelson

Craig has over 30 years of experience in a wide range of Asset and Project based businesses. He has worked extensively with both public and private sector clients in Australia and Asia.

His experience and work preference has a strong bias to collaborative process improvement through the implementation of best practice methodologies and standards. Commencing as a cost controller on major infrastructure projects and broadening out over the years into other project management disciplines of time control, risk analysis, value management and process improvement.

In recent years Craig has focused on assisting large public and private organisations with improving their asset and project performance by utilising risk-based

processes and systems in a wide range of industry segments including Mining, oil and Gas Rail, Water, Road and Busways.

His experience includes the successful implementation of a number of asset management, project management and cost control frameworks for major projects and large mining, oil and gas and infrastructure organisations. Craig takes a hands-on approach to the whole lifecycle of costing systems development from initial user requirements definition through system selection/development implementation and ongoing support.

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Our specialists are ready and keen to support you with your asset management challenges, please get in touch.



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