ARRB IMPACT

Content Date:
1 June – 15 June

Live Q&A:
16 June – 3.00pm

BEST PRACTICE GUIDES

SEALED WORKSHOP

COURSE INFORMATION

Australia's population relies heavily on our road network for providing access to communities, enabling movement of goods and services, and facilitating educational, recreational and tourist pursuits.

With over a third of the cumulative network length consisting of sealed roads, it is important that their design, construction and ongoing condition is appropriately planned, executed and managed to ensure that road user safety and community expectations are satisfied.

This workshop is based on the Sealed Roads Best Practice guide content, and will assist participants in gaining an understanding and appreciation for the major aspects involved in the design, construction and management of sealed roads.

LEARNING OUTCOMES

The learning outcomes for the workshop are:

- Broad appreciation for the approaches used in the asset management of sealed roads.
- An understanding of the development and implementation process for works programs.
- Awareness of the key aspects involved in pavement design.
- Understanding of the typical pavement construction process and involved considerations.
- Knowledge of different surfacing types, and their selection, usage, design, construction and typical maintenance activities.

OUTLINE OF COURSE

- **Module 1**
  - Presents the objectives and strategies involved in managing a sealed road, alongside the development and implementation of works programs.
- **Module 2**
  - Highlights the key considerations and factors impacting the design and construction of sealed road pavements.
- **Module 3**
  - Explores the different surfacing types used for sealed roads, and provides guidance on their selection, design, construction and maintenance.

CLICK HERE TO REGISTER >

80a Turner St, Port Melbourne, 3207 VIC, Australia | +61 3 9881 1555 | arrb.com.au/workshop

PRESENTERS

DR. TIM MARTIN

CHIEF TECHNOLOGY LEADER, ASSET MANAGEMENT

Dr. Tim Martin is the National Discipline Leader for Performance Modelling at ARRB, and works within the Road Asset Performance team.

Tim has over 40 years of industry experience, and prior to joining ARRB in 1990, Tim spent 17 years in the investigation, planning, design, contract management and economic evaluation of major Australian and international engineering projects that included bridges, dams, river diversions and open cut mining works.

At ARRB, Tim has been involved in long-term pavement performance and maintenance studies, pavement life cycle cost analyses, and residual risk model development as an aid for decision making in fund allocation across asset classes.

His research at ARRB has lead to the development of pavement deterioration and works effects models for arterial roads, as well as deterioration models for unsealed and sealed local roads, which are used in pavement life-cycle costing analyses as part of Pavement Management Systems (PMS), the estimation of marginal road wear costs, and as the basis of a refined road track cost allocation matrix.

STEVE PATRICK

SENIOR TECHNOLOGY LEADER FUTURE TRANSPORT INFRASTRUCTURE

Steve is a Senior Technology Leader in ARRB's Future Transport Infrastructure team, with a focus on bituminous surfacings.

Steve holds a Master of Pavement Technology and has over 15 years of industry experience.

At ARRB, Steve has been involved with research activities for sprayed sealing practices (design and application), bitumen sprayer calibration, field testing, and the preparation of guidelines and standards.

TYRONE TOOLE

CHIEF TECHNOLOGY LEADER ROAD ASSET PERFORMANCE

Tyrone is a Chief Technology leader in ARRB's Road Asset Performance team, with over 40 years of experience in a wide range of highway engineering and management projects, and in institutional development and training in over 20 countries.

Tyrone specialises in the management and delivery of multi-disciplinary projects, and has specific experience in institutional development and reform and in research and the provision of advice in the management and design of low and high-volume roads in developed, developing and emerging countries.

At ARRB, Tyrone is a chief advisor for asset management and leads contributions to training and dissemination in road management and decision support tools worldwide, and in road asset management and performance for Australian road authorities and internationally.

STEVEN MIDDLETON

SENIOR PROFESSIONAL LEADER FUTURE TRANSPORT INFRASTRUCTURE

Steven is a Civil Engineer with a Masters of Pavement Technology and 8+ years' experience in the pavements engineering field.

He joined the Australian Road Research Board's (ARRB) Western Australian office in 2019 and he has worked on both road and airport projects in Western Australia and Queensland.

He has experience in visual condition surveys, destructive and non-destructive investigations, pavement design, tender preparation, and contract management.

WHO SHOULD ATTEND?

The e-workshop is primarily aimed at, but not limited to:

- Engineers
- Consultants
- Contractors
- Practitioners in related areas

Especially engineers and practitioners in local government (although not limited to the above)

CLICK HERE TO REGISTER >