

UNSEALED LOCAL ROADS

**ARRB
WORK-
SHOPS**

25-26 March 2019
CAIRNS

UNSEALED LOCAL ROADS

ARRB is pleased to offer a two-day training workshop on the latest practices in the management of unsealed roads including practical aspects during field testing and site inspections. The workshop will encourage group participation, including sharing experiences, field laboratory and site testing and inspection of various unsealed road sites. Attendance at the popular workshops will be invaluable to learn and share knowledge and experience with other participants.

ARRB

25-26 MARCH 2019
CAIRNS
CAIRNS SHERIDAN
HOTEL



PURPOSE

Key learning outcomes cover both the basics and latest developments in:

- Asset management activities, identifying network pinch points, intervention levels for unsealed roads, when to seal?
- Appropriate material selection, adapting local materials and pavement design for unsealed roads
- Road design for improved road safety, better drainage, and reduced maintenance costs
- Maintenance practice, including causes and cures, unsealed shoulder on sealed roads
- Environmental considerations including dust, water (sedimentation & erosion), protection (flora & fauna).

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WHO SHOULD ATTEND

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

- Federal, State and Local government (Road managers, engineers and field crew).
- Resource Groups (Forestry, Mining, Gas, managers, engineers and field crew).
- Consultants (Engineers and supervisors)
- Contractors (Contract managers, road engineers, supervisors and field crew).
- Government officers (Elected officials, CEOs and other senior management).

[CLICK HERE TO REGISTER](#) >

TO REGISTER FOR THIS WORKSHOP AND MAKE PAYMENTS PLEASE CLICK THE ABOVE BUTTON.



LEARNING STRATEGIES

- Lectures
- Case studies
- Group Discussions
- In-class activities

OUTLINE

DAY 1 will focus on:

- Course overview, The BIG Picture , Resources, the role of ARRB, housekeeping, delegate introductions
- Knowing your network (part 1): Network, Road Class and Pavement Type
- Knowing your Network (part 2): Geometry (Cross-section & Alignment)
- Knowing your network (part 3): Drainage
- Climate, Traffic and Wear & Tear
- Condition, Service & Maintenance (part 1):
- Condition, Service & Maintenance (part 2):
- Pinch Points, and Major Works:
- Open forum

DAY 2 will focus on:

- Road making materials & Road Base Test Kit (RBTK)
- Specification & (mix) design of road making materials
- OPTION 8a: Soil stabilisation and dust reduction
- OPTION 8b: Sealing a gravel road
- Field Trip
- Conclusion

PRESENTERS

TYRONE TOOLE

CHIEF TECHNOLOGY LEADER, SUSTAINABILITY AND RESILIENCE

Tyrone Toole has over 25 years in-depth experience in a wide range of highway engineering and management projects, and in institutional development and training in over 15 countries. He has specific experience in research and the provision of advice in the management and design of low and high volume roads in developing, emerging and developed countries. Tyrone is a leading contributor and co-author of a number of international publications on pavement design, low volume roads and road management systems.

ANDREW BEECROFT

SENIOR PROFESSIONAL

Andrew worked in the Materials Science team from November 2011 to June 2012. This primarily involved work on asphalt mix designs and pavement testing, as well as projects on unbound materials, bitumen and concrete. From June 2012 to August 2013, Andrew worked in the Safe Systems team and was involved with speed management and data analysis projects, as well as studies into a number of treatment types for Safe System projects. Andrew moved to the ARRB Brisbane office in September 2013 as part of the Pavement Technology team, where he has worked on research projects in the fields of asphalt technology, unbound granular materials, asset management, economic evaluation and emerging technologies.

KNOWLEDGE TRANSFER ACCREDITATION

This workshop provides the underpinning knowledge to align with nationally recognised units of competency from the Certificate IV in Civil Construction Supervision as well as other civil construction qualifications.

COURSE MATERIALS

- For the field trip component of this course, participants are required to bring: high visibility safety vest, safety boots, and gloves (for materials testing), hat, sunglasses and sunscreen or wet weather gear and a clipboard

The workshop provides the skills and knowledge required for RIIMPO402D, Apply the principles of earthworks construction which is a unit in Diploma of Civil Construction Design, Certificate IV in Civil Construction Design, Certificate IV in Civil Construction Supervision, Certificate IV in Civil Construction Operations, and Certificate IV in Surface Coal Mining (Open Cut Examiner). Participants would need to complete the tasks during the workshop as well as an assignment in their own time following the workshop. More information will be available at the workshop.

RIIMPO402D: Apply the principles of earthworks construction

FEES

PRICE PP: \$2,100 PLUS GST

PRICE PP: \$1,800 PLUS GST
(FOR IPWEAQ MEMBER)

Registration fee includes morning and afternoon refreshments and lunch. All prices are quoted in Australian Dollars.

ENDORSEMENTS

Institutes of Engineers, Australia (IEAust). This course is recognised by Engineers Australia for Continuing Professional Development.



Engineers Australia members can choose to record CPD hours for attendance at this event in their personal CPD logs. Members should refer to Engineers Australia's CPD Policy for details of requirements and conditions.



PRIVACY STATEMENT

Personal information provided by you is managed in accordance with the Privacy Act 1988 (Privacy Act). ARRB and IPWEAQ is committed to providing confidentiality to and protecting the privacy of its clients, participants, employees and contractors. We guarantee that we will not sell personal information to any third party.

ARRB and IPWEAQ will not provide individual personal or training information to unauthorised third parties unless prior written permission has been received from the individual. The ARRB and IPWEAQ Privacy Policies can be viewed on each entities website.

CANCELLATIONS

If you are no longer able to attend this event a substitute attendee may take your place. However, if you wish to cancel your registration a full refund, minus a \$220 (incl GST) service fee, will be given provided you have notified us in writing, by email, letter or fax, at least 10 business days before the start of the workshop. No refund is available for cancellations under 10 days.

NATIONALLY RECOGNISED TRAINING

ARRB is progressively obtaining formal accreditation for many of its workshops.

[Click here](#) for further information.