



Queensland

IPWEA

INSTITUTE OF PUBLIC WORKS
ENGINEERING AUSTRALASIA

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UNSEALED LOCAL ROADS

Up to
12.5 CPD
hours

Overview

Unsealed roads remain a significant part of our road network. This two-day workshop will provide an understanding of the latest practices in the management of unsealed roads. The program will address practical applications such as field testing and site inspections. The workshop will encourage group participation and included sharing experiences, field laboratory, site testing and inspection of various unsealed road sites.

Attendees of this popular workshop will gain invaluable skills and knowledge through the formal and practical learning opportunity provided by industry experts and the experience of other participants.

Content

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).

Learning strategies

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

Who should attend

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

- Federal, State and Local government (Road managers, engineers, supervisors and field staff).
- Resource Groups (Forestry, Mining, Gas, managers, engineers and field staff).
- Consultants (Engineers and supervisors)
- Contractors (Contract managers, road engineers, supervisors and field staff).

Outline

Day 1 will focus on:

- Course overview - the BIG picture
- Knowing your network
 - Network, road class and pavement type
 - Geometry (cross-section & alignment)
 - Drainage
- Climate, traffic, and wear & tear
- Condition, service & maintenance
- Pinch points, and major works

Day 2 will focus on:

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

Course materials

This program will reference the ARRB Best Practice Guide for Unsealed Roads. Participants can download the guide from the ARRB website.

Delivered in partnership with *arrb*



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