

# BEST PRACTICE GUIDES SEALED WORKSHOP

**Date:**  
27-28 Sept  
**Time:**  
9am - 5pm

## 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.

## WHO SHOULD ATTEND?

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

- Junior engineers
- Field staff
- Design and asset management engineers
- Contractors responsible for the design, construction, and operation of unsealed roads.

The workshop is also a useful refresher course for more senior practitioners regarding current best practice.

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## PRESENTERS



### **BRENDAN WILLIAMS-**

SENIOR PROFESSIONAL LEADER  
FUTURE TRANSPORT INFRASTRUCTURE

Brendan Williams has previously spent 7 years as a Works Engineer for two rural NSW councils. Both councils have extensive sealed and unsealed pavement networks which required routine maintenance and rehabilitation. He managed the Routine Maintenance Council Contract for both the Golden and Kamilaroi Highways for Transport for NSW.

Brendan joined ARRB in early 2021 and has authored standards, and reports over a diverse range of topics; including unsealed trails and seal designs.



### **CASSANDRA SIMPSON**

PRINCIPAL PROFESSIONAL LEADER,  
ASSET MANAGEMENT

Cassandra Simpson completed a Bachelor of Engineering (Civil) and Master of Engineering in Pavements in 2012. She joined ARRB in 2019 as a Principal Professional Leader within the Next Generation Asset Management team. Prior to ARRB, Cassandra worked in the transport industry managing routine maintenance/ rehabilitation/ resurfacing contracts, development of asset management programs including field assessment of road conditions, providing technical advice for pavements and bituminous surfaces, field inspections of bituminous surfaces in urban and rural environments to create resurfacing programs, writing and review of specifications, research into field performance of bituminous surfaces, review and advice on skid resistance issues, pavement asset management using pavement management systems (DTIMS).

At ARRB, she is responsible for bid/tender preparation, coordination, project management and business development of pavement asset management projects and research, asset management modelling, service level determination of assets, specialist surfacing treatment selection and advice.

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