



Queensland

**IPWEA**

INSTITUTE OF PUBLIC WORKS  
ENGINEERING AUSTRALASIA

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**UP TO  
7 CPD  
HOURS**

# PAVEMENTS, MATERIALS AND GEOTECHNICAL MASTERCLASS

**There have been many recent developments in pavement design, its construction and monitoring practices. It is critical that technical and engineering professionals have a practical understanding of the selection and performance characteristics of pavement materials to achieve desired performance characteristics and low whole-of-life costs.**

This Masterclass will provide attendees with a unique opportunity to learn from technical experts while providing an opportunity for a technical exchange of ideas between TMR, Local Government and private sector technical staff.

## Who should attend?

This Masterclass is suitable for practitioners involved in the design, construction, and maintenance of road pavements. Typical attendees include:

- Engineers
- Designers
- Technical Officers
- Project Managers
- Inspectors

## Outcomes

Attendees will learn about:

- TMR's 4 Year Technology Strategy for pavements, materials and geotechnical
- up-to-date data and technical developments in asphalt and sprayed seals (e.g. recycled glass in asphalt, EME2, MRTS18 update, pilot sealing specifications, TN186, crumb rubber research/pilot specifications).
- advances in recycling and the role we play in sustainability and resilience.
- Bridge deck wearing rehabilitation techniques
- Risk based Auditing and Materials Testing for Quality
- Geotechnical solutions for Natural disaster events

## Topics

- Recent updates and developments in asphalt and sprayed seals
- Proposed approach for high friction and coloured surfacings
- Recycled materials – what can be done now and current research
- Highlights of MRTS104 asphalt geosynthetics Specification & Foamed Bitumen (FB) - Improvement to resilience to flooding
- Bridge asphalt DWS rehabilitation – Metro and North Queensland learnings
- Materials testing
- Case studies - Natural disaster events and responses by Geotechnical Section

*This Masterclass is a collaboration between IPWEAQ and the Department of Transport and Main Roads.*

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