

Concrete Pavement Design Fundamentals

Learning: *Live Online Course*

Investment:

\$778.50 early bird \$865.00 regular

\$750.00 ASCP Members

Incl. GST, and Course Notes

8
CPD
hours



Centre for Pavement
Engineering Education

course overview (2x half days) | 2021

Intended to inform on the principles & practices involved in concrete pavement design, the course program will closely follow the content in the appropriate Chapters of the Austroads Guide to Pavement Technology – Part 2: Pavement Structural Design and Part 4C: Materials for the Concrete Pavements, which are used as the principal references.

The materials content will however cover more information than is in the current Guide, as the selection of materials is critical to producing a road/pavement design that will deliver both structural and functional performance. Appropriate joint types and their design are key elements and will be discussed in detail.

topics

PART A (Day 1)

11.00am – 12.45pm & 1.15pm - 3.00pm

- Background Design Systems
- Environment Considerations
- Subgrade Evaluation & Subbase Design
- Concrete Materials - Subbase & Base

PART B (Day 2)

11.00am – 12.45pm & 1.15pm - 2.50pm

- Traffic Estimation
- Workshop Exercise - Traffic
- Thickness Design
- Design of Lightly Trafficked Pavements
- Joint Design and Layouts

WORKSHOP (optional) 3.00 - 4.00pm

- Design Exercises and live Q&A session

BONUS INCLUSION!

- ▶ Folder of text & PPTs to delegates prior to course. Can only be guaranteed if registration is made 5 working days prior to course start date.
- ▶ Optional Workshop.
- ▶ \$750.00 ASCP Members.
- ▶ All delegates will receive 12 months free ASCP Membership.



primary presenter

Justin Moss – Technical Director (Pavements), Arcadis & President ASCP

Justin's experience encompasses most facets of pavement engineering, including rigid pavements, flexible pavements, asphalt, sprayed sealing, materials technology, pavement condition and strategy development in both operational and research contexts. As ARCADIS' national Technical Director (Pavements), Justin has presided over the growth of one of the largest non-government Pavement Design team, training initiatives, detailed designs and strategic investigations. Additionally, Justin was appointed President of the Australian Society of Concrete Pavements (ASCP) in April 2019 and also holds the position of Director, International Society for Concrete Pavements Inc. Whilst at Roads and Maritime Services as Supervising Pavement Engineer Rigid Pavements, he was responsible for developing and promoting technical expertise in rigid pavement design and construction in order to deliver improved road pavement performance, minimise life-cycle costs and manage current and future technical risk in RMS.

This Course is for uptake of primary knowledge on the topic and will provide an ideal base preparation for those intending to study the CPEE Distance Learning Unit "CPE610: Rigid Pavement Construction" which is part of the CPEE post graduate distance education programs specialising in Road & Pavement Engineering.

Registration easily done online at <https://www.pavementeducation.edu.au/> then 'short courses'



The following Austroads Guide is used
as the key reference.

Guide to Pavement Technology
Part 2: Pavement Structural Design



course supported by



who should attend

- State road agency and local government engineers and managers with responsibilities in the provision, approval, design, construction or maintenance of concrete roads & pavements. This to also include project managers and senior supervisors.
- Consulting engineers with involvement in road and/or pavement projects.
- Road & Pavement construction contractors, engineers, project managers and supervisors.
- Local Government engineers, project managers and senior supervisors.
- Technical operatives and Engineering graduates and “cadets” looking for specialist knowledge for career development.

CPEE professional development (CPD)

This course, with content based on the relevant CPEE postgraduate distance learning study Unit, is facilitated and delivered by recognised practitioners in the field and is of such technical content that the number of hours involved should be fully acceptable toward Continuing Professional Development (CPD) standing.

organiser & endorsements

Centre for Pavement Engineering and Education (CPEE): This course is presented by CPEE, a non-profit, specialist higher education private provider (roads, pavements & infrastructure asset management), founded by AUSTRROADS and the Australian flexible Pavement Association (AfPA). CPEE offers Graduate Certificates in Pavement Technology & Asset Management, and a Master of Technology: Pavements qualification in roads, pavement engineering and infrastructure asset management, and has formal links to the University of Tasmania.

course size, enquiries & management

Due to its practical nature, numbers are limited for this course so it is advisable that you register quickly to avoid missing out on its unique and targeted content.

CPEE is supported by

Austrroads: Austrroads is the peak organisation of Australasian road transport traffic agencies. Austrroads members are the Australian state and territory road transport and traffic authorities, the Department for Infrastructure, Transport, Regional Development and Local Government, the Australian Local Government Association (ALGA), and the New Zealand Transport Agency. Austrroads members are collectively responsible for the management of over 900,000 kilometres of roads valued at more than \$250 billion representing the single largest community asset in Australia and New Zealand.

Australian Society for Concrete Pavements: The Australian Society for Concrete Pavements (ASCP) was formed in October 2007 to facilitate improvements in the design, construction & quality of concrete pavements in Australia through education, information and technology transfer, and research. Members enjoy many benefits including access to ‘member only’ areas of the ASCP web site, as well as discount on seminar and conference fee.

IPWEA: The State Divisions of the Institute of Public Works Engineering Australasia are professional organisations providing member services and advocacy for those involved in and delivering public works and engineering services to the community. Previously known as the Institute of Municipal Engineering Australia (IMEA), the organisation has expanded its traditional local government engineering focus to public works and thereby covering all levels of government and private practice.

Pavement Recycling and Stabilisation Association (AustStab): The Australian Stabilisation Industry Association is a national organisation set up to educate and inform the civil engineering industry of the environmental and economic advantages of road recycling and all types of stabilisation. Its members are contractors, binder suppliers, government road authorities and plant manufacturers.

REAAA: The Road Engineering Association of Asia and Australasia – Australian Chapter serves to develop technical, professional and commercial links within and between countries in the Pacific region. REAAA has some 1000 members in 26 countries in Asia and Australasia.

Roads Australia: Roads Australia is a not-for-profit, non-political industry association. Members are drawn from all corners of the Australian road sector, and we champion the interests of a vital national asset - Australia's road transport system - and provide a forum for policy development, networking and communication. Further, we seek to draw attention to the importance of Australia's road network to the economic and social fabric of the nation, and to ensure that information and decision-making in relation to roads and road transport is well informed and reflects an appropriate level of priorities.

SRAs: State Road & Transport Agencies are responsible for the management of the road network, which includes planning, designing, construction and maintaining road use through registering vehicles, licensing drivers and traffic management, and providing information and other road user services. SRAs also provide quality assured integrated investigation, testing and design services in the pavement technology and geotechnical engineering disciplines, and provide support to CPEE in developing expertise and undertaking education in all aspects of the road construction and pavements sector.

Cancellation Policy:

- ▶ Cancellations made 10 working days or more prior to the events start date: Full refund.
- ▶ Cancellations within 9-5 working days of the event start date: 50% refund.
- ▶ Cancellations less than 5 working days of the events start date or after the event has started: No refund.

If you are unable to attend this event a substitute attendee may take your place, without penalty. CPEE reserves the right to cancel or reschedule any course, whereby a full refund or course transfer will be provided.

For more information:

Administration: Patricia Patricia@pavementeducation.edu.au
Content: Ray Farrelly ray@pavementeducation.edu.au
Contact: Tel: +61 3 9890 5155 www.pavementeducation.edu.au

