

# PRINCIPLES AND PRACTICES

## FOR CONCRETE ROAD PAVEMENTS

### DATE

### LOCATION

Online course

### COURSE PRESENTER

Geoff Ayton

### COURSE FEE

for the full course

#### Fees (ex-GST)

ASCP Member \$550

Non-Member \$650

Group Bookings \$POA

includes ASCP Individual membership for current year.

#### Fee includes

attendance, course notes, certificate on completion.

#### Payment options

Credit card

Invoice

#### Disclaimer

This course is presented for learning and information. The contents of the course do not constitute advice. The information presented does not necessarily represent the views of ASCP

This course is recommended for **construction** and **maintenance** project teams including:

- > engineers
- > project managers
- > surveillance teams
- > maintenance staff
- > designers and specifiers
- > testing staff

### TO REGISTER

All registrations must be made through the ASCP website.

Fees must be paid not later than 5 weekdays prior to the course date.

No refunds for cancellations made after 5 weekdays prior to the course date, but substitute attendee will be accepted.

[REGISTER HERE](#)

### BRING TO THE COURSE

Pen & paper or laptop to take notes (PDFs of course slides will be emailed prior to the course).

-  Design
-  Construct
-  Verification
-  Maintenance
-  Intermediate

CPD

8h

### COURSE ELEMENTS

- > Rigid pavement structure
- > Structural and jointing basics
- > Concrete mix design basics
- > Batching, mixing and slump control
- > Compaction
- > Paving
- > Finishing, texturing and curing
- > Jointing and structural, field issues

### PROGRAM (EACH OF TWO HALF DAYS)

Welcome & Introduction	<b>8.30am</b>
Sessions	<b>8.45am</b>
Morning Tea Break	<b>10.30am</b>
Sessions	<b>10.45am</b>
Discussion	<b>12.15pm</b>
Course End	<b>12.30pm</b>

# PRINCIPLES AND PRACTICES FOR CONCRETE ROAD PAVEMENTS

## DATE

Thu Nov 25, 2021  
and  
Fri Nov 26, 2021

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## DETAILS OF COURSE ELEMENTS

### RIGID PAVEMENT STRUCTURE

- > Base formats, subbases, earthworks support etc

### STRUCTURAL AND JOINTING BASICS

- > Joint types, tiebars, slab reinforcement
- > Terminal anchors, etc

### CONCRETE MIX DESIGN BASICS

- > Fresh and hardened properties
- > Aggregate gradings
- > Test methods and end product specifications

### BATCHING, MIXING AND SLUMP CONTROL

- > Water / cement ratio
- > Minimum mixing times and retempering
- > Mixer uniformity testing
- > Field control of water / cement ratio

### COMPACTION

- > Compaction practices in pavements
- > Slipform and fixed-form practices

### PAVING

- > Paving trials – key issues
- > Analysis of test results
- > Tiebars
- > Transverse construction joints
- > Temperature controls

### FINISHING, TEXTURING AND CURING

- > Surface profiles, ride quality
- > Finishing techniques
- > Curing for strength and durability
- > Plastic cracking

### JOINTING AND STRUCTURAL, FIELD ISSUES

- > Subbase cracking
- > Reinforcement
- > Jointing plans
- > Sealants
- > The influence of construction quality on durability

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