

# PRINCIPLES AND PRACTICES

## FOR CONCRETE ROAD PAVEMENTS

### DATE

Wed June 02, 2021  
and  
Thu June 03, 2021

### LOCATION

Online course

### COURSE PRESENTER

Geoff Ayton

### COURSE FEE

for the full course

#### Fees (ex-GST)

ASCP Member \$340-\$380  
Non-Member \$450

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.

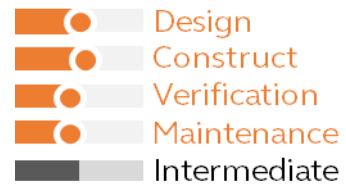
Fees must be paid not later than  
5 weekdays prior to the course  
date.

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).



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>

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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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