

PRINCIPLES AND PRACTICES

FOR CONCRETE ROAD PAVEMENTS

DATE

Wednesday
October 7, 2020
and
Thursday
October 8, 2020

LOCATION

Online course

COURSE PRESENTER

Geoff Ayton

COURSE FEE

for the full course

ASCP Member:

\$385.00

Non-Member:

\$550.00

includes ASCP Individual membership for current year.

Fee includes:

attendance, course notes, certificate on completion.

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

BRING TO THE COURSE

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

TO REGISTER

All registrations must be made through the ASCP website.

Payment options include: EFT, cheque to ASCP, credit card (MasterCard and Visa).

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.

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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 | 8.30am |
| Sessions | 8.45am |
| Morning Tea Break | 10.30am |
| Sessions | 10.45am |
| Discussion | 12.15pm |
| Course End | 12.30pm |

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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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