



**ROADS CONSTRUCTION,
MAINTENANCE &
REHABILITATION**

**PRESIDENT HOTEL NAVAL
HILL, BLOEMFONTEIN**

EVERYTHING YOU NEED TO KNOW ABOUT ROADS CONSTRUCTION

This is a 3-Day course on the practical fundamentals of roads construction, pavement assessments, technical aspects of materials, the surfacing of roads, distress identification and repairs, road furnishing. This course will also up-skill you on the new technology and sustainability of roads, and the safety issues surrounding all of these processes.

WHO SHOULD ATTEND

Contractors, Sub Contractors, Consulting Engineers, Clients, Junior to Senior Engineers, Technicians, Technologists, Civil Engineers, Pavement Specialists, Road Engineers, Construction Professionals, Road Construction Managers, etc.

JULY

20-22, 2020

8:30AM - FINISHED

Book and pay before
29 June 2020
and get a discount per
delegate.

in association with:



accredited by:



ECSCA: 3 CPD Points
SACPCMP: 12 CPD Hours

ROADS CONSTRUCTION, MAINTENANCE & REHABILITATION TRAINING SEMINAR

DAY ONE

08:00 ARRIVAL & REGISTRATION

08:30 MORNING SESSION

SESSION 1: INTRODUCTION TO ROADS

- A brief history of road building
- Preconditions for road building and maintenance
- List of TRH, TMH and UTG documents
- Glossary and abbreviations

SESSION 2: ROADS FUNDAMENTALS

- Role players in civil projects in South Africa
- Design process and considerations

13:00 LUNCH BREAK

14:00 AFTERNOON SESSION

SESSION 3: ROAD MANAGEMENT

- Asset management
- The Laffer curve
- PMS
- Maintenance types

SESSION 4: PAVEMENT ASSESSMENTS AND INVESTIGATIONS

- Field investigation
- Compilation of data
- Analysis

16:00 END OF DAY ONE

DAY TWO

08:00 ARRIVAL & REGISTRATION

08:30 MORNING SESSION

SESSION 5: TYPES OF PLANT AND EQUIPMENT

- Small plant and tools
- Earthmoving equipment

SESSION 6: TECHNICAL ASPECTS OF MATERIALS & ROADS

- Terminology and standard units
- Types of materials for construction and maintenance

DAY TWO MORNING SESSION CONTINUED...

- Safety aspects of materials
- Basic material mechanics
- Quality assurance and testing
- Effect of weather on roads

13:00 LUNCH BREAK

14:00 AFTERNOON SESSION

SESSION 7: THE CONSTRUCTION PROCESS

- Reading from plans and drawings
- Visual assessment
- Clearing and grubbing
- Earthworks
- Layer works
- Services
- Confined and restricted areas
- Water handling
- Subsoil drains

SESSION 8: SURFACING ROADS

- General
- Surface seals
- Other surface types
- Reseal

16:00 END OF DAY TWO

DAY THREE

08:00 ARRIVAL & REGISTRATION

08:30 MORNING SESSION

SESSION 9: DISTRESS IDENTIFICATION AND REPAIRS

- Distress types
- Cracks
- Crack sealing
- Potholes and patches
- Deformation
- Rigid defects
- Surface enrichment treatments
- Shoulder maintenance
- Summary

SESSION 10: ROAD FURNISHING AND ANCILLARY WORKS

- Road signs
- Kerbing
- Minor concrete works

Easy ways to register

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DAY THREE MORNING SESSION CONTINUED...

- Drainage
- Erosion protection
- Guardrails and finishing
- Drainage maintenance
- Structure maintenance
- Traffic facilities maintenance
- Road reserve maintenance

13:00 LUNCH BREAK

14:00 AFTERNOON SESSION

SESSION 11: NEW TECHNOLOGY & SUSTAINABILITY

- New technology
- Sustainability
- Rehabilitation and recycling

SESSION 12: ROAD SAFETY AND OHSAct

- Safety
- Traffic management

SESSION 13: SUMMARY AND CLOSE

16:00 END OF DAY THREE



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ABOUT THE TRAINER

Theuns Eloff graduated with a B.Eng Degree (Civil) from the Rand Afrikaans University (University of Johannesburg) and started his Engineering career at Raubex Construction as a Civil Contractor where he was involved in the construction, maintenance and rehabilitation of various National and Provincial roads. He then joined Patula Construction where he spent 9 years gaining experience in all fields of the business, working on major earthworks, dams, open canals, water reticulation, rehabilitation, construction & maintenance of roads across the country.



He resigned as Contracts Director and Shareholder in the company to start Construction Consultant in 2007. The main purpose of Construction Consultant is to help develop the SMME bracket of the industry and facilitate quality work in the Civil Engineering sector. He has since been involved as Projects/Contracts Manager for a number of clients.

Theuns has been utilised by organisations such as SAICE, Candidate Academy, EHI and ABC as presenter and facilitator for various courses throughout Southern Africa. Since 2009, Theuns has presented more than 220



Make an enquiry today

REGISTRATION INFO / FEES

Event: Roads Construction, Maintenance & Rehabilitation Training Seminar
Date: 20-22 JULY 2020
Venue: PRESIDENT HOTEL NAVAL HILL BLOEMFONTEIN
Price: (excluding VAT and per delegate)
Early Bird: R9490 + vat (pay before 29 Jun 2020)
Standard: R10490 + vat
Group Discount:

4-6	10%	calculated on standard price
7-11	13%	
12+	20%	

AUTHORIZATION

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STATUS

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TERMS AND CONDITIONS

Payment Terms:
 Payment is required within five (5) days on receipt of tax invoice
 Following completion and return of the registration form, full payment is required within five (5) days from receipt of tax invoice and an invoice will be sent as receipt of payment. We reserve the right to refuse admission and withhold CPD points and certificate if payment is not received on time, a payment or an official purchase order must be received prior to the conference or training seminar.

Fees:
 Fees are exclusive of VAT
 Bulk discounts are not calculated on early bird price. Invoiced amounts need to be paid on or before the early bird date to receive the rate. If names and/or ID numbers are not confirmed before documents are sent through to the venue, you will be liable to pay the courier fee.

Cancellation Policy: Written cancellations made within 48 hours of the receipt of the signed registration form will receive a full refund. Cancellation received in writing 1 month prior to the start of the event will receive a 50% refund or discount on the invoiced amount. Cancellation within 1 month of the start of the event will not receive any refund and will be liable for the full invoiced amount, however a substitution of the delegate will be allowed.

Indemnity: Should for any reason outside the control of CPD Africa conferences or training events, the venue or speakers change, or the event is cancelled due to an act of terrorism, extreme weather conditions or industrial action, CPD Africa conferences and training shall endeavour to reschedule but the client hereby indemnifies and holds CPD Africa conferences and training harmless from and against any and all costs, damages and expenses, including attorney's fees, which are incurred by the client. The construction, validity and performance of this agreement shall be governed in all respects by the laws of South Africa and to the exclusive jurisdiction of whose courts the parties hereby agree to submit.

No-shows: Registrants who do not attend the event, without written notices as per the cancellation policy will be liable for 100% of the invoiced amount.

***Important Notice:

This booking form constitutes as a legal binding contract.
 Whilst every reasonable effort will be made to adhere to the advertised brochure(s), CPD Africa reserves the right to change venues or location.



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