

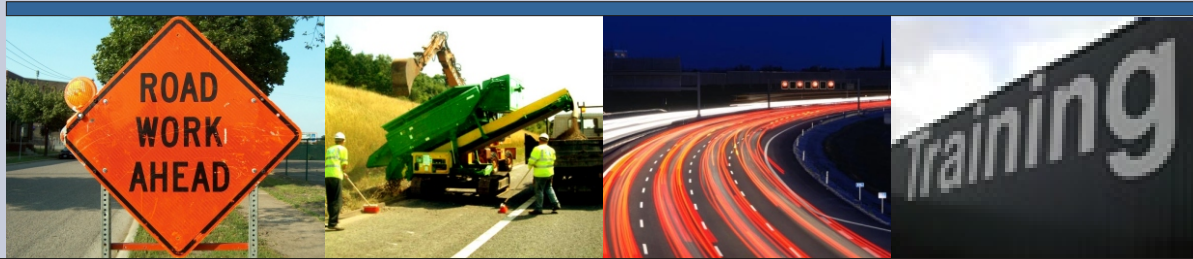
Engineering Development Pavement Maintenance & Rehabilitation

**ECSA CPD
Validated
Training Course
Reg No:
SAAMA00124**

An intensive two day short course, focusing on pavement maintenance and rehabilitation, for engineers and engineering technologists, project managers and senior supervisors working for state, provincial, or local municipalities, consultants and contractors.

"Maintenance and rehabilitation of pavements become increasingly important as road systems grow and mature, and fewer new roads and streets are built. As road and street systems grow, maintenance and rehabilitation also become more complex and difficult to manage and finance because new pavement often deteriorate at widely differing rates depending on traffic, environment, materials, design, construction, and other factors."

COURSE TRAINER:
Theuns Eloff
Director
Theuns Eloff
Construction
Consultant



COURSE DATES & VENUES:

15th - 16th February 2010
Safari Court Hotel,
Namibia

22nd - 23rd February 2010
University of Stellenbosch,
Management School, Bellville
Campus, Bellville

1st - 2nd March 2010
Garden Court, Marine Parade,
Durban

25th - 26th March 2010
Valverde Country Hotel,
Beyers Naude Ext, Plot 5
Lammermoor, Muldersdrift

Attend this informative event and gain practical insights into:

- Discussion of how to select the best rehabilitation strategy; choose the right process at the right time on the right project
- Overview of the various rehabilitation processes and their construction practices: asphalt reclamation, cold-in-place recycling, overlays, inlays, and new technology or processes; concrete rehabilitation, overlays, and new technology or processes
- Overview of material properties how they are used and how to get the best performance from them Introduction to pavement and network performance measures and specifications

Benefits include:

- Participation in an interactive workshop
- Learn from a recognised expert with cross industry experience
- Comprehensive course documentation
- Certificate of attendance
- Accredited to gain 2 CPD points by SAAMA

Endorsed by:



Organised by:



Effective Human Interventions
Reg. No. 1996/061415/23 VAT No. 4830236990

WHO SHOULD ATTEND:

- ✓ State road authority and local government engineers with responsibilities in the provision, approval, design and maintenance of flexible road pavements. This to also include project managers and senior supervisors
- ✓ Consulting engineers with involvement in road projects
- ✓ Road construction contractors, engineers, project managers and supervisors
- ✓ Local Government engineers, project managers and senior supervisors
- ✓ Engineers, managers, supervisors, and technicians responsible for pavement maintenance, design, and construction

Other ECSA accredited courses:
Electrical Installation Regulations - 1c credit
Understanding the Changing Electrical Environment - 5 credits
DC Machine Operations - 2c credits
Substation Maintenance & Testing - 2 credits
Road Construction & Maintenance - 2 credits
Air-Conditioning & Refrigeration - 3 credits
Practical Hydraulic Systems - 2 credits
Electrical Fault Analysis - 2 credits

Pavement Maintenance and Rehabilitation

Day One

Session 1: Introduction and Opening

Session 2: Glossary and Abbreviations

Session 3: Safety and OHS Act

Session 4: Road Management and Maintenance

- Asset Management
- Management Levels
- Pavement Management Systems
- Maintenance Types

Session 5: Pavement Materials, Identification and Basic Principals

- Technical and Theoretical
- Types of Materials

Session 6: Principles of Practical pavement Design and Philosophy

- Fundamental Principles
- Design Considerations
- Pavement Types

Day Two

Session 7: Road Surface Types and Material Design

- Surface Seals
- Asphalt
- Crack seal
- Stabilisation
- Other

Session 8: Pavement Assessment, Investigation and Analysis

- Field investigations
- Compilation of Data
- Analysis
- Economic Analysis

Session 9: Distress Identification Treatments and Repairs

- Distress Types
- Treatment methods and Options

Session 10: Rehabilitation and Reconstruction

- Methods and Options

Session 11 Drainage and Maintenance of Structures

- Distress Options
- Routine Maintenance

Session 12: Summary & Close

Registration will commence at 08:00 on the first day with the course beginning at 08:30 on each day. Refreshments will be provided at appropriate intervals, and lunch will be served at 12:30. The course will conclude at 16:30 on each day.

** All timings are approximate due to the interactive nature of the course.*

Course Synopsis

This course will briefly review the importance and types of maintenance, pavement distress modes and evaluation techniques. Preventative and periodic maintenance options will be fully explored and detailed.

With Pavement Rehabilitation being defined as "a process involving the application of any treatment which will overcome deficiencies in an existing pavement in order to provide structural and/or functional adequacy for a further analysis period". The course provides advice for the investigation of existing sealed road pavements and the selection and design of pavement strategies/treatments specifically for roads carrying normal loadings with a specific focus on flexible pavements.

By using case studies the course will cover the rehabilitation "strategy" involving scoping the project, investigation and evaluation of the existing pavement, development of treatment options and the selection and implementation of the most appropriate of these options.

About Your Course Facilitator

Theuns Eloff studied a 5 year degree at the Rand Afrikaans University in B.Ing (Civil) after completing his military service at Potchefstroom. He started his Engineering career at Raubex Construction as a civil contractor and his first few contracts were as a Junior site agent and mainly involved rehabilitation and construction of roads.

Theuns' first contract as Site Agent was for the National Roads agency as one of the first two site agents for a company called Road Mac surfacing. The contract was the rehabilitation of the N2 between Port Shepstone and Urntentweni. He was then approached by Dorstland Construction in 1999 to join them and started his first contract for them at Douglas Colliery in Witbank. This contract involved construction of clear water dams and major cut of drains around the open pit.

Patula Construction was born out of Dorstland construction and here he did various contracts such as, rehabilitation of roads for the North West Government: James Moroka Drive and Sekame Roads; various small water reticulation projects in the North West; rehabilitation of roads for Gautrans: R55 Olievenhoutbosch, K69 Hans Strijdom, R25 Bapsfontein, R42 Bronkhorstspuit, R55 Kaylami. These contracts all involved major rehabilitation, reconstruction and resurfacing; new road construction from Masia to Levubu for the Road agency Limpopo.

In 2001, Theuns became a Director at Patula Construction and subsequently a shareholder in the company in 2002. In 2007, Theuns started Construction Consultant, where he has been involved as Project / Contracts Manager for various companies on various projects.

Pavement Maintenance and Rehabilitation

PLEASE COMPLETE AND FAX THIS FORM TO: +27 21 979 0836

PLEASE INDICATE YOUR CHOICE:

- 15th - 16th February 2010, Safari Court Hotel, Namibia 2
- 2nd - 23rd February 2010, University of Stellenbosch, Management School, Bellville Campus, Bellville
- 1st - 2nd March 2010, Garden Court, Marine Parade, Durban
- 25th - 26th March 2010, Valverde Country Hotel, Beyers Naude Ext, Plot 5 Lammemoor, Muldersdrift

EARLY BIRD FEE

- Rand 4,999+ VAT per person**
(Book and pay before 11th Jan 2010 for Namibia, 18th Jan 2010 for Cape Town, 25th Jan 2010 for Durban and 18th Feb 2010 for Johannesburg event)

STANDARD REGISTRATION FEE

- Rand 5,999+ VAT per person**
(For bookings after early bird dates)

To Register

Contact: **Callie Kruger**

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Fax: +27 21 979 0836

Mobile: +27 82 789 9067

Email: callie@cpt-ehi.co.za

Effective Human Interventions (EHI)

Reg. No. 1996/061415/23

78, Odendaal Street

Aurora, Durbanville 7550

South Africa

PERSONAL DETAILS

Please print clearly or attach business card

DELEGATE 1: Surname (Dr/Mr/Mrs/Ms)

First Name

Job Title

Email

DELEGATE 2: Surname (Dr/Mr/Mrs/Ms)

First Name

Job Title

Email

DELEGATE 3: Surname (Dr/Mr/Mrs/Ms)

First Name

Job Title

Email

DELEGATE 4: Surname (Dr/Mr/Mrs/Ms)

First Name

Job Title

Email

DELEGATE 5: Surname (Dr/Mr/Mrs/Ms)

First Name

Job Title

Email

Organisation

Address

Postcode

Telephone

Fax

VAT Registration No.

I understand and accept the booking terms and conditions

Signature

Date

AUTHORISATION:

This booking is invalid without a signature. Signatory must be authorised to sign on behalf of contracting organisation

Approving Manager (Dr/Mr/Mrs/Ms)

Job Title

Department

Email (required)

Telephone

Fax

Signature

Date

By completing this form, you undertake to adhere our cancellation and payment terms.

Fees include course materials, lunches, refreshments for the duration of the programme. Incidental expenses: Effective Human Interventions (EHI) is not responsible for covering airfare or other travel costs incurred by registrants. Delegates will be responsible for their own accommodation.

Please note that EHI reserves the right to refuse admission to the training if proof of payments has not been received prior to the start of the course. An invoice will be sent upon receipt of registration form. Payment must be received in full prior to the course start. All registrations will be confirmed via email.

Cancellation Policy

A full refund will be given for cancellations received up to 20 working days before the event. Cancellations must be made in writing (fax or email) and reach our office before the 20 working days deadline. No refunds will be given to cancellations received less than 20 working days before the event. Of course, a replacement is always welcome.

In the event that we cancel an event, delegate payments at the date of cancellation will be credited to a future EHI event. This credit will be available for up to one year from the date of issuance. In the event that EHI postpones an event, delegate payments at the postponement date will be credited towards the rescheduled date. If the delegate is unable to attend the rescheduled event, the delegate will receive a 100% credit representing payment made towards a future EHI event. This credit will be available for up to one year from the date of issuance.

Disclaimer

We reserves the right to change or cancel any part of its published programme due to unforeseen circumstances.

Customer Information

EHI and/or its trading company will hold and use the data for administration purposes and to keep you informed of future events. If you would prefer not to receive further emails from us, please tick the box. ()