



**SOUTH AFRICAN
ROAD FEDERATION**
*will be presenting the following
courses in Sept and Oct 2011.*

**CONCRETE ROAD DESIGN &
CONSTRUCTION**
PORT ELIZABETH - 28 Sept
AND
GAUTENG - 18 Oct
**Presenters: Mr. Bryan Perrie &
Dr. Pieter Strauss**
2 CPD Credits

The course focuses on the technology applied in the design and construction of concrete pavements. It covers the supporting layers, thickness design using computer program, cncPave, and joint design, detailing and layout. Concrete materials and mix design, construction, modes of distress and failure and rehabilitation are also included.

Minimum entrance requirements

A degree or diploma in civil engineering is recommended. A number of years' experience in road design and/or construction is highly recommended.

**PRACTICAL ROAD PAVEMENT
ENGINEERING**
CAPT TOWN
4 – 6 October
Presenters
Mr. D Wright and Mr. A Lewis
3 CPD Credits

This course provides a practical overview of pavement engineering giving useful advice on a wide range of related topics. Time does not permit detailed designs such as Rubicon, seals or asphalt.

The course looks at the practical aspects involved in road pavement engineering, and includes rehabilitation as well as new road pavements. The course uses a mixture of theory, fieldwork and workshops to transfer the information to the delegates.

THIS IS NOT A HIGH LEVEL COURSE. It is aimed at young engineers and technicians, as well as those seeking a 'refresher' in this field. The seminar will benefit individuals as well as employers in the following groups:

Roads authorities
Municipalities
Consultants
Contractors
Funding agencies

**BRIDGE AND CULVERT
INSPECTOR'S VISUAL
ASSESSMENTS AND
INTRODUCTION TO BRIDGE
MANAGEMENT**
PRETORIA
5 – 6 OCTOBER
PRESENTERS:
Mr. E Kruger – SANRAL,
Mr. P Nordengen & Mr. M. Roux
– CSIR Built Environment
Other invited guest presenters
2 CPD Credits

COURSE DESCRIPTION

The course will be based on the CSIR Struman Bridge Management System which is used by national, provincial and municipal authorities.

The course is open to all, but specifically aimed at those who have made bridges and culverts their area of expertise. Each client body sets its own qualification and experience requirements although some rely on SANRAL accreditation. However, attendance of the course is only ONE of the requirements for those wishing to become an accredited bridge or culvert inspector for SANRAL. The course is also compulsory for previously accredited culvert inspectors who wish to upgrade to bridge inspectors. Attendance of the course will not

necessarily lead to SANRAL accreditation. The next round Phase 2, of the SANRAL 2011/2012 bridge and culvert inspection is scheduled to take place in 2012. Phase 1 has already been tendered and awarded to various firms.

**ENVIRONMENTAL
MANAGEMENT IN THE
CONSTRUCTION AND
MAINTENANCE OF ROADS**
GAUTENG
5 OCTOBER
1 CPD Credit
Presenter : Mr. E. Hinrichsen

ABOUT THE COURSE

The course aims to equip the participants with a broad overview of environmental management, but specifically as this applies to the development, construction and maintenance of roads. The course covers the environmental laws that apply to roads projects and illustrates how environmental management aspects are an essential component in projects related to the construction and maintenance of roads.

Participants to the course will gain a better insight into the environmental management framework for roads projects and will be coached in the use and / or understanding of environmental management tools such as EIA's, management plans, codes of practice, audits and environmental method statements. The course will also cover environmental aspects typical to roads project, including water and soil management, dealing with bitumen and waste, stockpiles and borrow pits, rehabilitation measures and dealing with authorities, the public and complainants.

**ENVIRONMENTAL
MANAGEMENT IN THE
ASPHALT INDUSTRY**
GAUTENG
6 OCTOBER
Presenter : Mr. E. Hinrichsen
1 CPD Credit

The course aims to equip the participants with a broad overview of environmental management, but specifically as this applies to the development, construction and maintenance of roads. The course covers the environmental laws that apply to roads

projects and illustrates how environmental management aspects are an essential component in projects related to the construction and maintenance of roads.

Participants to the course will gain a better insight into the environmental management framework for asphalt plants (both mobile and static) and will be coached in the use and / or understanding of environmental management tools such as EIA's, management plans, codes of practice, audits and environmental method statements. The course will also cover environmental aspects typical to the asphalt sector, including storage and handling of fuels and bitumen, aggregates, end products, all air quality related matters, carbon footprinting, waste management and dealing with authorities, the public and complainants.

**ROAD PAVEMENT
REHABILITATION**
BLOEMFONTEIN
17 – 18 OCTOBER
Presenter: Mr. G Jordaan
2 CPD Credits

The main course objectives are:

- Pavement condition assessment and An introduction to Pavement Management Systems.
- Initial pavement assessment
- Detailed pavement assessment
- Selection of maintenance or rehabilitation options
- Practical considerations.
- Materials designs
- Construction tips.
- Operational Health and Safety and
- Environmental issues.

Investigation and maintenance measure selection
Safety aspects
Rehabilitation, improvement and upgrading

**For more information and to
register on line please visit our
website on www.sarf.org.za**

**Contact SARF Head office on
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