



SOUTH AFRICAN ROAD FEDERATION

Will present a two day Virtual course on

ROAD PAVEMENT REHABILITATION

PRESENTER
Mr. Mike White

**Monday 8th - Tuesday 9th
February 2021**

Virtual Via MS Teams

**Delegates can claim
2 ECSA CPD Points**



**24 CPD Hours
Allocated**

Course Description

This course is intended and will provide practical guidelines for those involved in the pavement rehabilitation of **surfaced** roads. It is not intended as a manual on routine road maintenance but for larger rehabilitation projects requiring more sophisticated inputs and design considerations. Construction would also be on a larger scale, most often requiring the use of specialist contractors. Un-surfaced or gravel roads are not covered in these notes as they require special but more routine maintenance work than surfaced roads.

Background

As the road infrastructure of South Africa is becoming older more surfaced roads are approaching the end of their design life and need to be rehabilitated to, at least, preserve part of the investment made in the infrastructure and to provide the road user with an acceptable road network free from hazards. It is accepted that routine road maintenance would be regularly carried out to protect the road and associated road elements from premature deterioration and failure. Even with the best routine maintenance the road pavement and other elements would deteriorate or be damaged in time due to a variety of factors of which the following are the most important:

- ✚ Traffic loading associated deterioration;
- ✚ Routine maintenance strategy.
- ✚ Environmental factors
- ✚ Geometric upgrading for higher traffic volumes

Course objectives

This course only gives an overview of strategies and procedures to be followed in road pavement rehabilitation. It is not the intention to be a comprehensive pavement design manual as this is a rather complicated and extensive subject on its own. It will, however, endeavour to point the participant in the right direction. References are given for the participant to make use of existing more sophisticated procedures currently in use in South Africa. The participant is encouraged to make use of these references and expertise currently specialising in certain aspects of pavement engineering.

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.

Programme

- ✚ Introduction
- ✚ Pavement Condition Assessment
- ✚ Project Level Assessment
- ✚ Pavement Analysis
- ✚ Selection of Rehabilitation Options
- ✚ Materials Design
- ✚ Construction
- ✚ Occupational Health and Safety and Environmental Issues
- ✚ References

COURSE FEES PER DELEGATE INCLUDING VAT

SARF Members	R3 500
Non-SARF Members	R3 950

Interested delegates should register on-line
www.sarf.org.za

Terms and conditions apply
**Registrations close on Tuesday 2nd February
2021**

SARF Contacts: Sybul/ Tshidi
Tel: 011 394 9025/1459
E-mail: sybul@sarf.org.za /
tshid@sarf.org.za