

**IMESA Northern Provinces Branch in collaboration with SARF presents a 2-day course on**



# ROAD PAVEMENT REHABILITATION

28 – 29 March 2023

## VIRTUAL

### 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

**PRESENTER**  
**Mr Mike White**

**2 ECSA CPD points**

[Validation no. SARF21/RPR02/24](#)

**SACPCMP 24 Hours CPD points**

[SACPCMP/cpd/16052](#)

### COURSE FEES (incl. VAT)

IMESA Members (in good standing)	FREE
Municipal Officials	FREE
SARF Members (normal course fees apply)	R4,425

**For more information and to register, contact Ollah Mthembu at [np@imesa.org.za](mailto:np@imesa.org.za)**

**Course Link will be sent on confirmation of registration!**