

THE SOUTH AFRICAN PAVEMENT ENGINEERING MANUAL (SAPEM)

WORKSHOP

Hosted by

THE SOUTH AFRICAN NATIONAL ROADS AGENCY SOC LTD



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Quoting from Nazir Alli's Foreword:

“The South African Pavement Engineering Manual (SAPEM) is the culmination of many hours of work by dedicated and passionate road industry professionals. SANRAL will always remain indebted to those who so generously gave of their time. The *spirit and generosity of South Africa's road industry* is reflected in the manual.

This is a comprehensive guideline manual, *not a policy manual*. It is to be regarded as a best practice guideline, providing the sequence of steps for practitioners. Its benefits will manifest over time with its use, with the harmonization of designs and standards.”

SAPEM Launch

- Workshop 1
 - ✓ Gallagher Estate, Johannesburg 22-23 April 2013
- Workshop 2
 - ✓ Moses Madiba Stadium, Durban 22-23 May 2013
- Workshop 3
 - ✓ STIAS, Stellenbosch 29-30 May 2013

You are here



BACKGROUND

1. Introduction

2. Pavement Composition and Behaviour

TESTING AND LABORATORY

3. Materials Testing

4. Standards

5. Laboratory Management

INVESTIGATION

6. Road Prism and Pavement Investigations

7. Geotechnical Investigations and Design Considerations

8. Material Sources

DESIGN

9. Materials Utilisation and Design

10. Pavement Design

DOCUMENTATION AND TENDERING

11. Documentation and Tendering

IMPLEMENTATION

12. Construction Equipment and Method Guidelines

QUALITY MANAGEMENT

13. Acceptance Control

POST CONSTRUCTION

14. Post-Construction

SAPEM is a “Living Document”

Feedback: sapem@nra.co.za

Download: www.nra.co.za

Workshop and Update

- **Target – update early in 2014**
- **Workshop at November RPF**
 - ✓ Volunteer for attendance
 - ✓ Send email to sapem@nra.co.za

Conclusion

- **SAPEM has ambitious objectives**
- **SAPEM is a best practice guideline**
 - ✓ It is NOT a policy document
- **SAPEM is a first stop shop (ROADMAP)**
 - ✓ It is NOT all encompassing
 - ✓ It does provide many references
- **Explains role players and their applicable:**
 - ✓ Environ, Mineral and Health and Safety Legislation
 - ✓ Budget and time scheduling