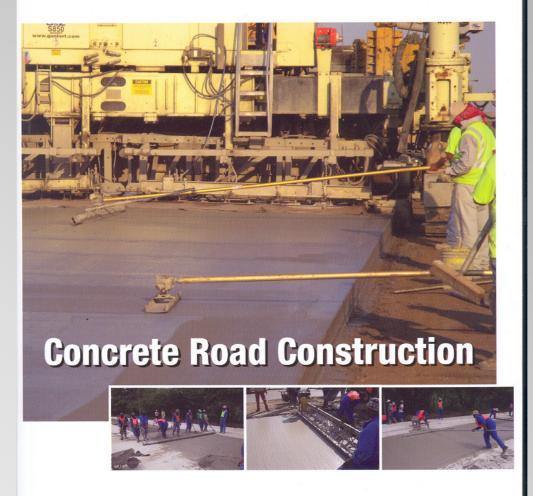
Concrete Road Construction Manual

Road Pavement Forum

George May 2009









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Dennis Rossmann

- Rick Mundy
- Dennis Brown
- Graham Selby
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CONTENTS

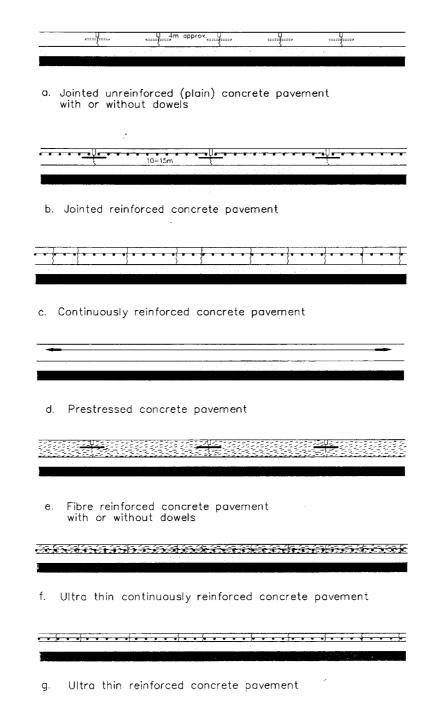
- Pavement Design
- Construction



Pavement Design

- Pavement elements (including terminology)
- Concrete pavement types
- Function of concrete pavements
- Concrete pavement design and construction objectives
- Joints



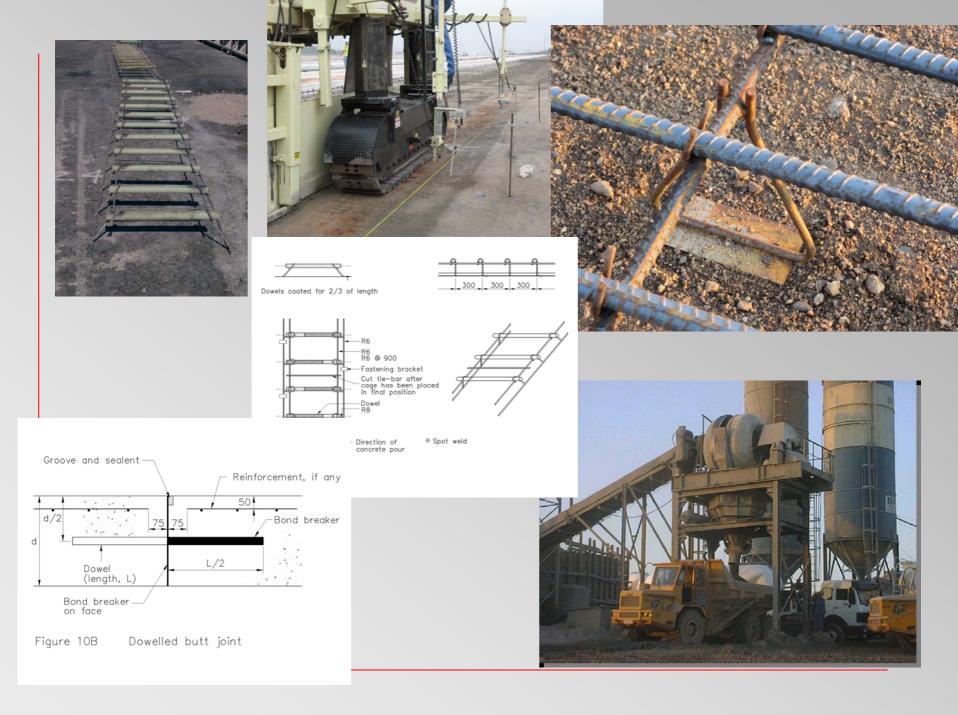


cement &

Construction

- Paving Methods
- Subgrades and subbases
- Forms and stringlines
- Joint assemblies and reinforcement
- Concrete
 - Materials
 - Mix design
 - Production

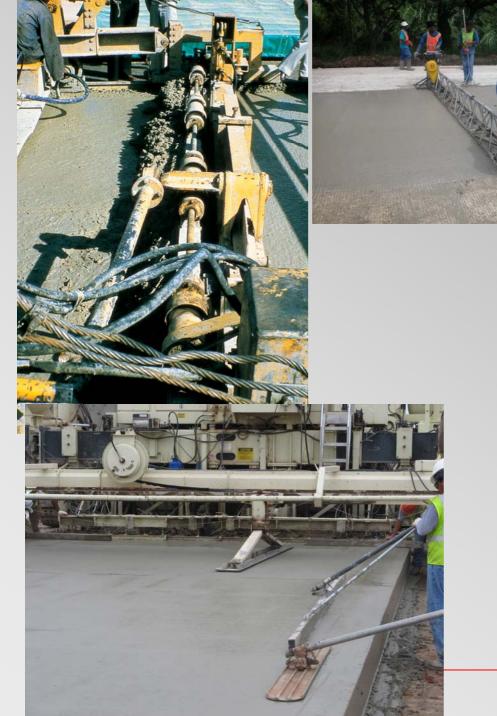




Construction (cont.)

- Side form construction
 - Mechanized
 - Hand
- Slipform paving
- Finishing
- Texturing
- Protection and curing









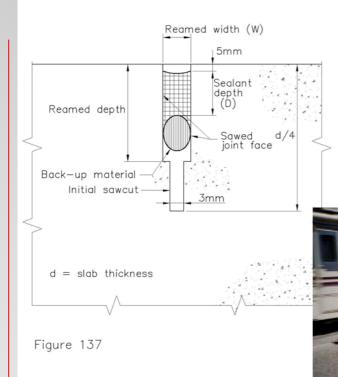




Construction (cont.)

- Joint construction
- Joint sealing
- Opening to traffic
- Tolerances
- Overlays
 - Asphalt
 - Concrete
- Inlays









Construction (cont.)

- Fasttracking
- Annexures
 - Mix proportioning
 - Quality control
 - Trial sections
 - Checklist for trial sections



www.cnci.org.za

harry.mabaso@cnci.org.za

