Job Creation, Skills Development and Empowerment in Road Construction Rehabilitation and Maintenance

RPF November 11 – 12 CSIR, Pretoria

HVS Technology Development Programme

APT Strategy 2006 - 2009



Focus Areas

- Sustainable Development and the environment (including cold recycling)
- Labour-intensive construction
- Asphalt performance
- Vehicle-pavement interaction (VPI)
- Provision of low volume roads
- Concrete pavements
- Structural Pavement Design Method

Background to Manual

EPWP

- Employment opportunities and training for >1 million unemployed in 5 years
- Increased labour content on government funded projects
- Application of appropriate labour-intensive technologies
- Focus on low volume roads, pipelines, stormwater drains and urban sidewalks
- Perception of inferior quality, cost and productivity
- RAs generally only allocates LVRs to LIC&M at the exclusion of the larger projects to minimise risk
- Developments in LIC technologies, labour optimisation and project management techniques have improved significantly
- Now possible to integrate labour as a critical & measurable component for the whole of the road construction sector
- GDPTRW best-practice guideline for formal and emerging sector to promote sustainable job creation and empowerment in all road construction, rehabilitation and maintenance projects

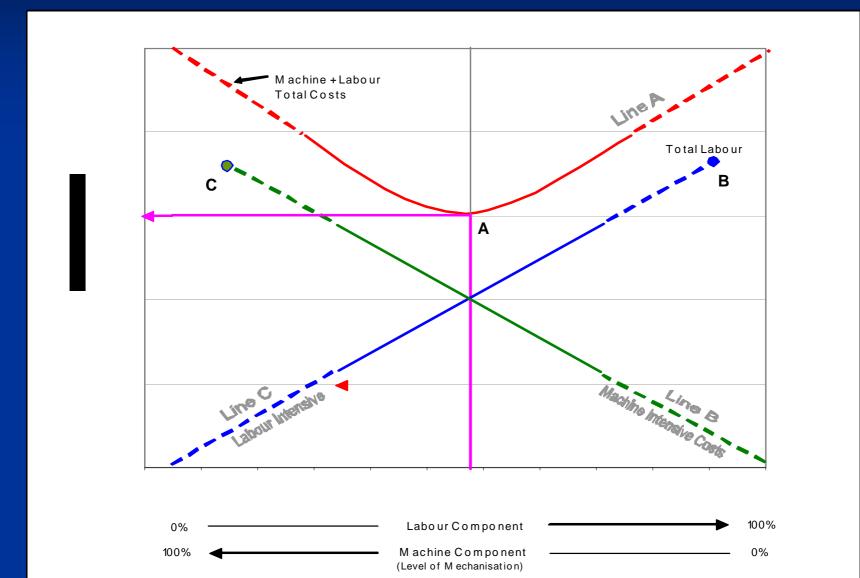
Scope of Manual

- To provide guidance to Road Authorities and their Consultants on:
 - Optimal labour components for specific design elements;
 - Appropriate contract documentation, specifications and tender evaluation procedures to encourage the use of labour;
 - Legal requirements related to the employment of unskilled and semi-skilled labour;
 - Quality and cost of labour related to group tasks and group balancing:
 - Training, mentoring and incubation programmes including the current requirements

Benefits

- Optimisation of the use of labour on all projects (new construction, rehabilitation and maintenance);
- Increased sustainability of job opportunities through the optimisation of labour on all projects;
- Increased use of appropriate labour -intensive technologies;
- Increased involvement by the formal construction sector in job creation and mentoring of emerging contractors;
- Improvement in performance of the emerging sector through, training, mentoring and incubation

Labour Optimisation



Sustainability of job creation

- Current programmes (eg EPWP)
 - Jobs created were temporary
 - Skills lost
- Manual encourages the creation of sustainable skills and jobs for the road sector through:
 - Increasing the total labour input on all projects;
 - Increasing the skills levels of emerging contractors and labour through training, mentoring and incubation;
 - Funding of labour-intensive programmes through the Departmental budget rather than ad hoc special programmes;
 - Involving the formal construction industry in labourintensive construction, in joint venture with the emerging contractors

Status of Document

- Draft document available for review (16 May)
- Circulation of document to reviewers for comment (return end June)
- Workshop to discuss comments on 8 Sept '08
 - Method statements (Appendix 2-26)
- Comments incorporated and draft manual finalised by 31 October for release to industry
- Launch the document in early 2009
- Electronic copy of manual on HVS web site www.gautrans-hvs.co.za

Reviewers

- GDPTRW
 - **EPWP**
 - Roads Dept
- APT S Com review
 - S Oloo KZN DoT
 - N Swarts Limpopo Road Agency
- Industry
 - Sabita Consultant, Contractor & Supplier members
 - C&CI involved in compilation of document