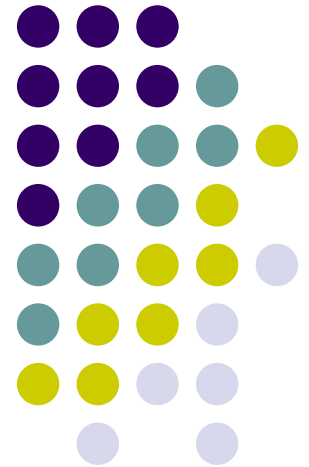




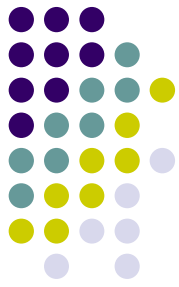
Gautrans Technology Development Symposium



24 May 2007
Elzbieta Sadzik



Gautrans Technology Development Symposium



Programme

09:00 – 09:30	Introduction	E Sadzik
09:30 – 10:30	Thin layer concrete	L Kannemeyer
10:30 – 11:00	Break	
11:00 – 12:30	Bitumen stabilisation	F Jooste
12:30 – 13:30	Lunch	
13:30 – 15:00	Validation of HMA Design	B Verhaeghe E Denneman W Steyn



Gautrans Technology Development Symposium



Introduction

- Management of HVS programme
- APT Strategic Plan 2006 – 2009
- Coming events

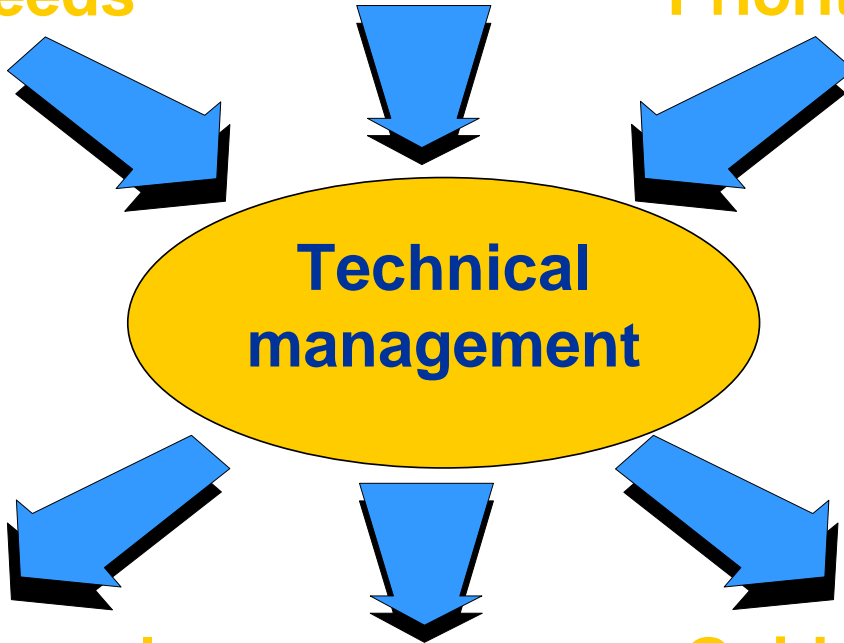




HVS Programme Management

APT Steering Committee

Needs **Scope** **Prioritisation**



Technical management

Proposals

Technical panel

Reports

Review Pool

Guidelines





APT Strategic Plan 2006 - 2009

Overarching Strategic Documents

- White paper on National Transport Policy
- White paper on creating an enabling environment for Recon & Dev in the Construction Industry
- The Gauteng white paper on Transport Policy
- GDPTRW strategic plan 2004 – 2009
- Strategic Agenda for Transport in Gauteng (2005)



APT Strategic Plan 2006 - 2009

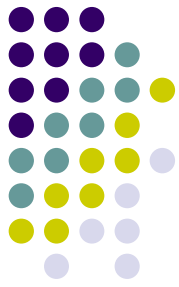


OVERALL FOCUS

- Cost-effective and efficient means of maintaining and rehabilitating the Gauteng road network with special attention given to:
 - Public Transport routes and Freight corridors
 - Maximisation of labour without compromising quality and performance



APT Strategic Plan 2006 - 2009

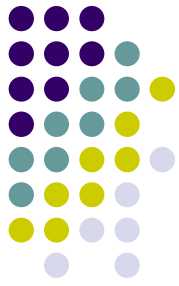


VISION

To provide cost-effective pavements through the application of appropriate technology and resources to assist in achieving a better quality of life for all



APT Strategic Plan 2006 - 2009

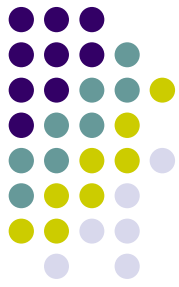


STRATEGIC APPROACH

- Optimisation of the various APT options with particular reference to the Gautrans HVS testing programme;
- The development of a coordinate approach to APT through strategic alliances and partnerships with other road owners and the private sector;



APT Strategic Plan 2006 - 2009



STRATEGIC APPROACH (cont.)

- The development of technologies in line with industry needs and ensuring appropriate transfer back to industry;
- Consultation with relevant stakeholders;
- Effective communication;
- Efficient dissemination of information; and
- Skills development programme with targets



APT Strategic Plan 2006 - 2009

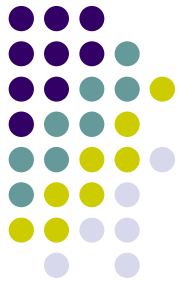


Focus Areas

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



HVS programme



Investigatory Categories

- Desk studies
- Heavy Vehicle Simulator (HVS) testing
- Other APT testing
- Laboratory testing
- Long Term Pavement Performance (LTPP)
- Other ad hoc field investigations



Gautrans Technology Development

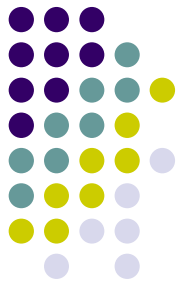


HVS programme: recent and current projects:

- Guidelines for Bitumen Stabilization (sponsors: SABITA & DPTRW)
- HMA HVS and Lab testing (sponsor: DPTRW)
- Thin CR concrete pavement (sponsors: SANRAL & DPTRW)



Gautrans Technology Development

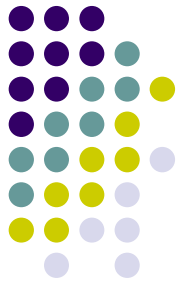


HVS programme: recent and current projects (cont):

- SIM testing: HVS & MMLS (sponsor: DPTRW)
- Job creation, skills development and empowerment in Road Construction (sponsors: DPTRW)
- LTPP monitoring: 2388, P243/1, N7, MR538 - ongoing – WCPA, GDPTRW
- Instrumentation for HVS (PSPA)- GDPTRW



HVS Programme

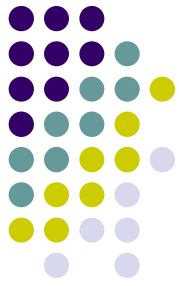


Information Dissemination

- Regular feedback and progress reports to industry (eg RPF)
- Publication of new best-practice documents through relevant channels
- Publication of papers (conferences, technical journals etc)
- Revision of best-practice documents
- Ad hoc seminars
- Ongoing update of the web site
- Site visits
- Ad hoc presentation of results at meetings
- Website



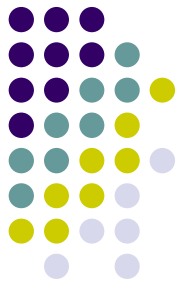
HVS programme website



HVS Website: www.gautrans-hvs.co.za



Gautrans Technology Development



Coming Events

SATC Session 4C: Workshop

Impact of HVS on Pavement Engineering

Thursday, 12 July 2007

