

**MINUTES OF THE APT STEERING COMMITTEE MEETING
12th OCTOBER 2005
GAUTRANS LABORATORY**

| PRESENT: | | | | | |
|------------------|-------------------------------------|------------------|-------------|--------------|--|
| Name | Representative | Telephone | Fax | Cell | E-mail |
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| APOLOGIES: | | | | | |
|-------------------|---|------------------|-------------|--------------|--|
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| | | Action |
|----------|--|---------------|
| 1 | WELCOME Ms Sadzik welcomed the members of the Steering Committee and welcomed new member, Mr Bruce Morton. | |

2 MINUTES OF PREVIOUS MEETING

The minutes of the previous meeting were accepted as correct, with one item of clarity:

- Page 2, Item 4, first bullet; “With regard to ultra thin asphalt, attention needs to be given to the impact on the whole industry, especially the aggregate ~~crushing sector~~ producers.” (Eliminate “crushing sector” and insert “producers”).

3 STRATEGIC PLAN 2004 – 2007

Mr Sampson presented the Strategic Plan to calibrate thinking within the meeting and the presentation is shown in Appendix A.

Mr Theyse gave feedback from the RPF Pavement Design Task Group which is attached in Appendix B. The following items were noted:

- Ratings are still being received and priorities will be adjusted as appropriate.
- The Information System will contain information related to the life cycle of the pavement.
- Concrete pavements have been considered, but flexible pavements will be investigated first. Integration will be done at a later stage.
- Work on the Task Group has not been taken to project level as yet. The process will still require some effort and thinking.
- The damage models for HMA have been identified as important and will impact on APT testing.
- It was agreed that pavement design should be added to the APT strategy as one of the focus areas.
- The Gautrans APT strategy will require revision so that it can be submitted to top management for approval for the next financial year. The revised strategy will be prepared by end of January 2006 and circulated for comment.
- It was agreed that Mr Theyse will prepare a section on pavement design for inclusion in the strategy document. The submission should be in line with that prepared for the Research Advisory panel meeting in November 2005 with a focus on relevant projects for APT. This should be submitted to Mr Sampson for inclusion in the revised strategy document by the end of November 2005.

ES/LS

ES/LS

HT

A document, “Strategic Agenda for Transport in Gauteng” will be circulated electronically by Ms Sadzik to the Steering Committee. Comments should be sent back to Ms Sadzik by the end of November 2005. The revised APT strategy will need to be linked to the overall strategic agenda presented in the document.

ES/LS

4 HMA: FORENSIC TESTING

The preliminary forensic study was completed earlier this month and presented by Mr Verhaeghe. The presentation is attached in Appendix C.

The following actions were noted:

- The document related to the first phase of the forensic study is available for comment and should be submitted to the following advisory group identified at the meeting:
 - ✓ F Hugo
 - ✓ D Rossmann
 - ✓ A Taute
 - ✓ E Sadzik
 - ✓ B Verhaeghe
 - ✓ E Fletcher
- The document should also be submitted to Mr Myburgh of Sabita.
- The meeting agreed that the HMA HVS testing scheduled to start in January 2006 should begin with a study into rut resistant asphalts at intersections. Sabita will be approached to lobby its members to become involved in the manufacture of sections for testing.
- It was also agreed that life expectancy of the hot mix asphalt related to thickness (30 v 40mm) would be an important parameter to investigate related to standard mixes used by Gautrans. This should also be related to the effect of the environment and tyre pressures on the mix.

BV/Advisory
Group

BV

ES

BV

5 FEEDBACK FROM RECENT HVS TESTING

N12 & Concrete

Mr du Plessis gave feedback on recent HVS testing on the N12 ETB Laboratory Study as well as the HVS testing of Ultra Thin CRCP which is attached in Appendix D-1.

SIM

Prof de Beer gave feedback on recent HVS testing for the SIM and is attached in Appendix D-2.

Bitumen Stabilisation

Ms Sadzik reported that Dr Jooste was not able to give the presentation on bitumen stabilisation. The inception report for mix design and structural design for the project has been prepared. Dr Jooste will give further feedback at the next meeting.

6 HVSIA

As the majority of the Steering Committee was present at the HVSIA meeting in September, no further presentation or discussion was held.

7 QUESTIONNAIRE ON HVS PROGRAMME

Ms Sadzik presented a summary of the results v objectives of the HVS Programme questionnaire as handed out in hard copy at the meeting.

The following was noted from the discussions:

- It was agreed that holding the Steering Committee meeting twice per year in the foreseeable future will continue but will be scheduled for 1½ days.
- Marketing and dissemination of information is a major concern. Feedback to the industry on findings from APT projects should be done in various centres and given on a broad base, independent of the RPF. The Asphalt Academy or Society for Asphalt Technology could be used as vehicles to present the relevant information.
- The use of articles in relevant publications should also be considered as a suitable method for information dissemination.
- A detailed marketing/information dissemination/technology transfer plan should be included in the revised APT strategy document.
- The new guidelines for presentation of documentation from APT projects require a high quality summary report to be prepared as a final outcome of the project. A document of this nature should also improve the feedback of information.
- It was agreed that any suitable young persons entering the industry who were available to spend time with the HVS and its associated research projects could be accommodated on the project. Any persons identified in this regard should have their names forwarded to Ms Sadzik for further action.

ES

ES/LS

All/ES

8 CLOSURE

Ms Sadzik thanked all persons present for attending the meeting.

9 NEXT MEETING

The date of the next meeting will be in April 2006 for 1½ days. Further details will be communicated at a later date.

Appendix A

STRATEGIC PLAN

Mr Les Sampson

Appendix B

**FEEDBACK FROM THE RPF PAVEMENT DESIGN
TASK GROUP**

Mr Hechter Theyse

Appendix C

HMA: FORENSIC TESTING

Mr Benoit Verhaeghe

Appendix D-1

FEEDBACK FROM RECENT HVS TESTING

- **N12**
- **Concrete**

Mr Louw du Plessis

Appendix D-2

**FEEDBACK FROM RECENT HVS TESTING
SIM**

Prof Morris de Beer