

ICHVSU

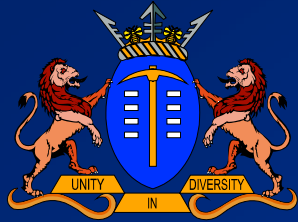
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DEPARTMENT OF PUBLIC TRANSPORT, ROADS & WORKS



ICHVSU 1st Meeting

16 & 17 October 2003

ELZBIETA SADZIK



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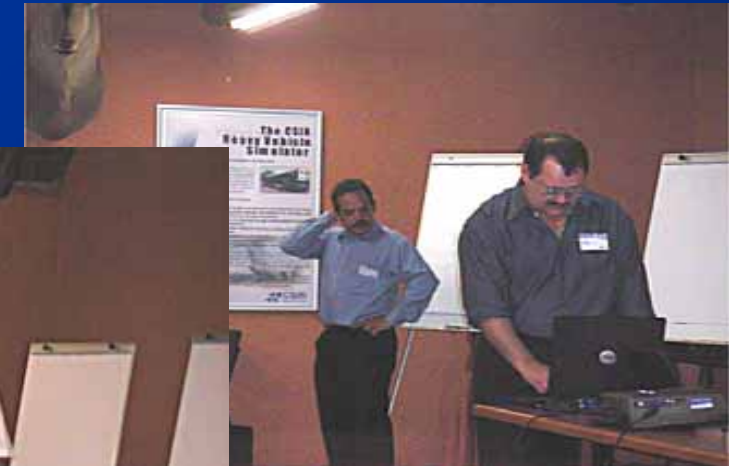
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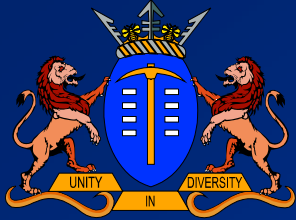
Summary of previous meeting

International HVS Workshop

7 & 8 October 2002

Intudla Game Lodge





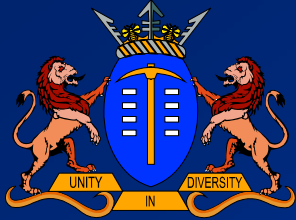
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Summary of previous meeting

Programme

- **Overviews from the HVS organizations**
- **Final product(s) of the workshop**
- **Session A: HVS Tests vs. Field Performance**
- **Session B: Analytical/Performance Prediction Issues**
- **Session C: Equipment/Instrumentation/Data Collection Issues**
- **Session D: Open Discussion on Collaboration Opportunities**



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Summary of previous meeting

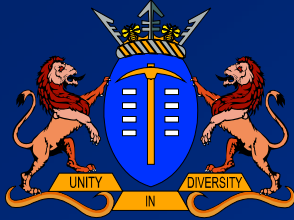
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Session Summary

Session A: HVS Tests vs. Field Performance (Fenella Long (Chair), Niclas Odermatt, Elzbieta Sadzik)

- Should not expect a 1 to 1 relationship between HVS and field performance;
- Test the sections to failure for comparison;
- LTPP is essential to compare APT test section to real-life performance.



Summary of previous meeting

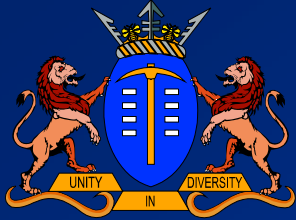
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Session Summary

Session B: Analytical/Performance Prediction Issues

(Hechter Theyse (Chair), Carl Monismith, Reed Freeman)

- Model must be appropriate for materials, load level, complexity
- Must understand assumptions
- APT link with real world – making transfer function; developing models
- Lab testing must include minimum to characterize materials in test section; parameters for model development
- Testing should better address environmental and geologic effects on mechanical properties
- Performance very dependent on construction variability
- Important part of APT is expanding few cases/simple conditions to many cases of full pavement life predictions
- Need consistent APT terminology
- Should account for soil/moisture interaction
- HVS testing with dynamic loading
- Using lab tests to determine level of distress: compare distressed and undistressed pavements



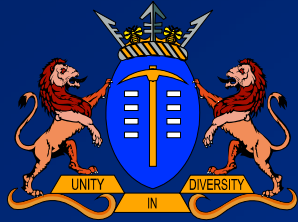
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Summary of previous meeting

Issues carried over from the previous meeting:

- Draft protocols for using APT for evaluation of real life pavements – VJ, FL, FH, RF (Session A)
- Effects of environment on pavement performance - NC (Session B)



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Summary of previous meeting

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Consensus:

- Formation of ICHVSU
- Gautrans – lead agency
- E Sadzik - chair