

# *Road Pavement Forum*

*Report back on the Ultra-Thin Reinforced  
Concrete Pavement (UTRCP)*

*November 2009*

**CSIR**

*our future through science*

# Mthatha Quarry Road

- **Quarry Access Road completed Nov 2008**
  - At the end of maintenance period,
  - Final inspection at the end of November 2009,
  - Pavement performing well,
  - Currently in negotiation with Authority to continue monitoring.



# Gautrans 20T Projects



- Shoshanguve Streets
  - Completed November 2008, currently at end of maintenance period
  - Remedial Action required on Ash Concrete section:
    - Completed at end of contract and contractor was under pressure to complete due to road opening,
    - Fly-ash formed lumps in concrete,
    - Ash concrete disintegrating on part of the slab,
    - Testing currently taking place to determine cause,
    - Ash concrete to be replaced.





# Gautrans 20T Projects (Cont.)

- **Mamalodi and Atteridgeville Streets**
  - Construction currently at an advance stage,
  - Vibrating beam not giving the desired finish,
  - Currently testing a roller-beam:
    - Roller screed gives the required finish,
    - Construction team cannot keep up, contractor requested using ready mix to speed up production and to meet construction deadline,
    - Requires a high slump concrete (100mm), 75mm not giving the compaction at the start and sides,
    - Cores to be taken and compared with sections completed with vibrating beam.
- **HVS Testing**
  - Currently on hold, testing still needs to be completed once funding becomes available.









# Recognition and Awards

- Fulton Commendation - 2009
- SAICE Award in the community based category - 2009

# Questions