

Stabilization Sub-committee



P Paige-Green
BE CSIR



**cement &
concrete
institute**



Current status

- Workshop held – July 2009
- Results fed back at November RPF (50 problems)
- Decision made to prepare updated stabilization manual (basis of TRH 13 update??)
- Gautrans Stabilization Guide is most recent document – use as source document
- Remove Chap 2 (Mechanical stabilization) and Chapter 11 (Surface stabilization and fines retention on unsealed roads)

Current status

- Included project in 2010/11 CSIR PG allocation
- Will update and answer as many of the questions raised at the Workshop as possible
 - No new research specifically
 - Will identify gaps
- Review by Stabilization Sub-committee (\pm 12 members)
- Release for implementation (status? Basis of Draft TRH 13??)
- Will start shortly

CHEMICAL STABILIZATION (Non-traditional)

- Workshop on non-traditional (proprietary) stabilizers at the 4th African T² Conference, Windhoek 1/09/2009
 - Fed back at Nov 2009 RPF
- 12 areas requiring input identified
- 3 high priority
 - No 1: Compile existing information into a single comprehensive document (based on 108 slide presentation & other published information)

CHEMICAL STABILIZATION (Snake oils)

- Prepare a document
- On same basis as conventional chemical stabilization
- Different “steering (review) committee”





SNAKE OILS

- “State of the art”
- Not promoting any product
- Will cover
 - Types
 - Mechanism of “reaction”
 - Testing and validation
 - Etc
- Double document

The Sulfonated Petroleum Products

Toolkit 1

For Decision Makers



The Sulfonated Petroleum Products

Toolkit 2

For Engineers



INTERESTING FEEDBACK

- One of the SANRAL moisture and repeated testing sites
- Extracted large sample a couple of weeks ago
- N4 – W
- Built in 1991 – no traffic





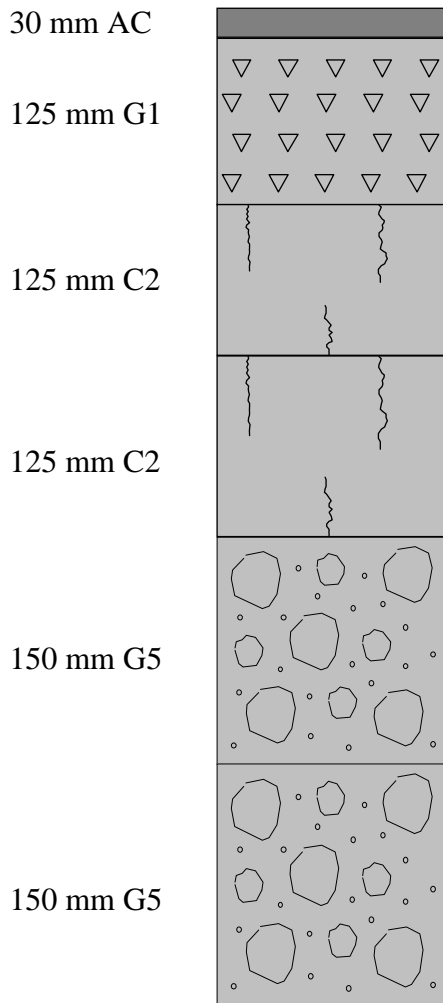


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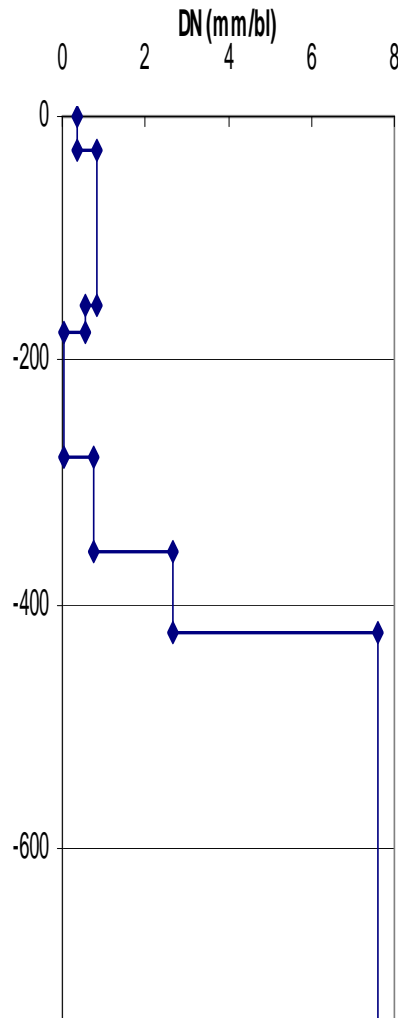


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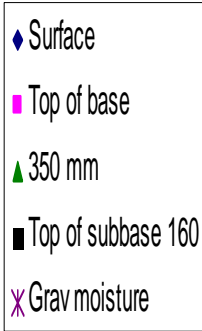
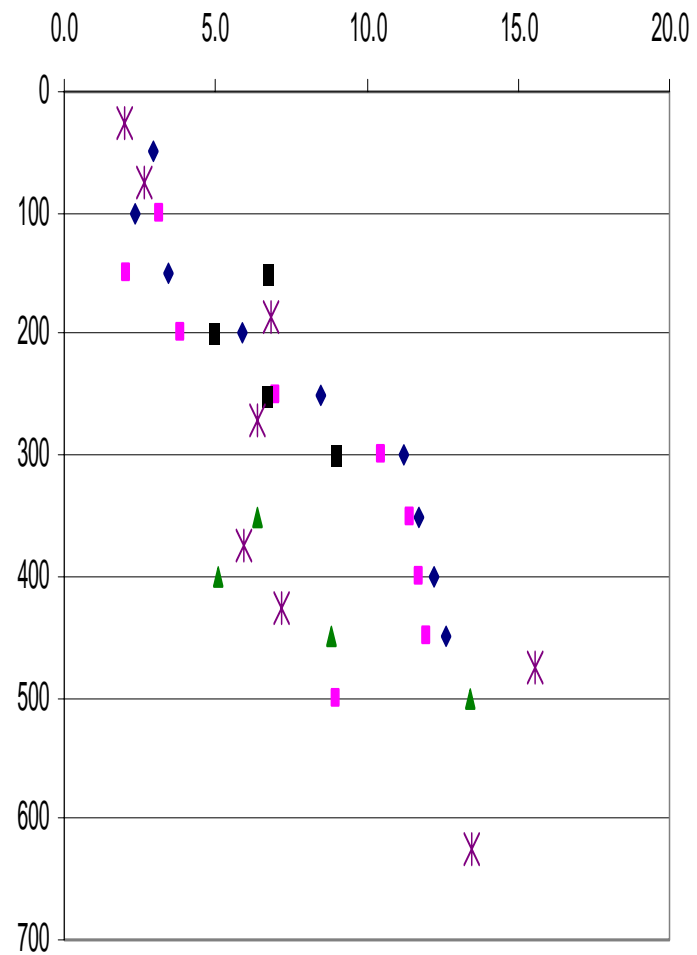




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Stratagauge & grav MC





THE END

THANK YOU