

HVSIA meeting September 2006



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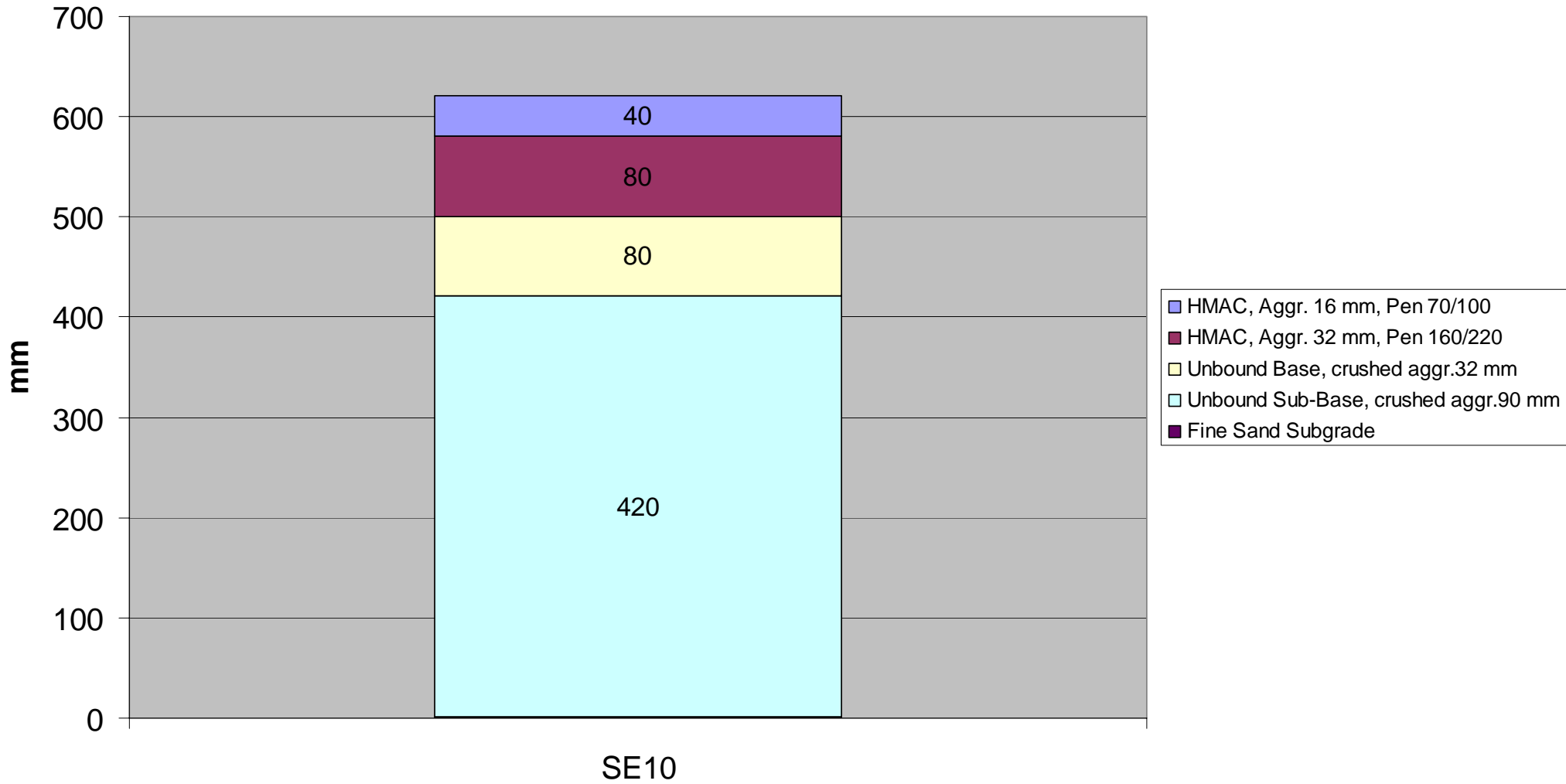


Future plans

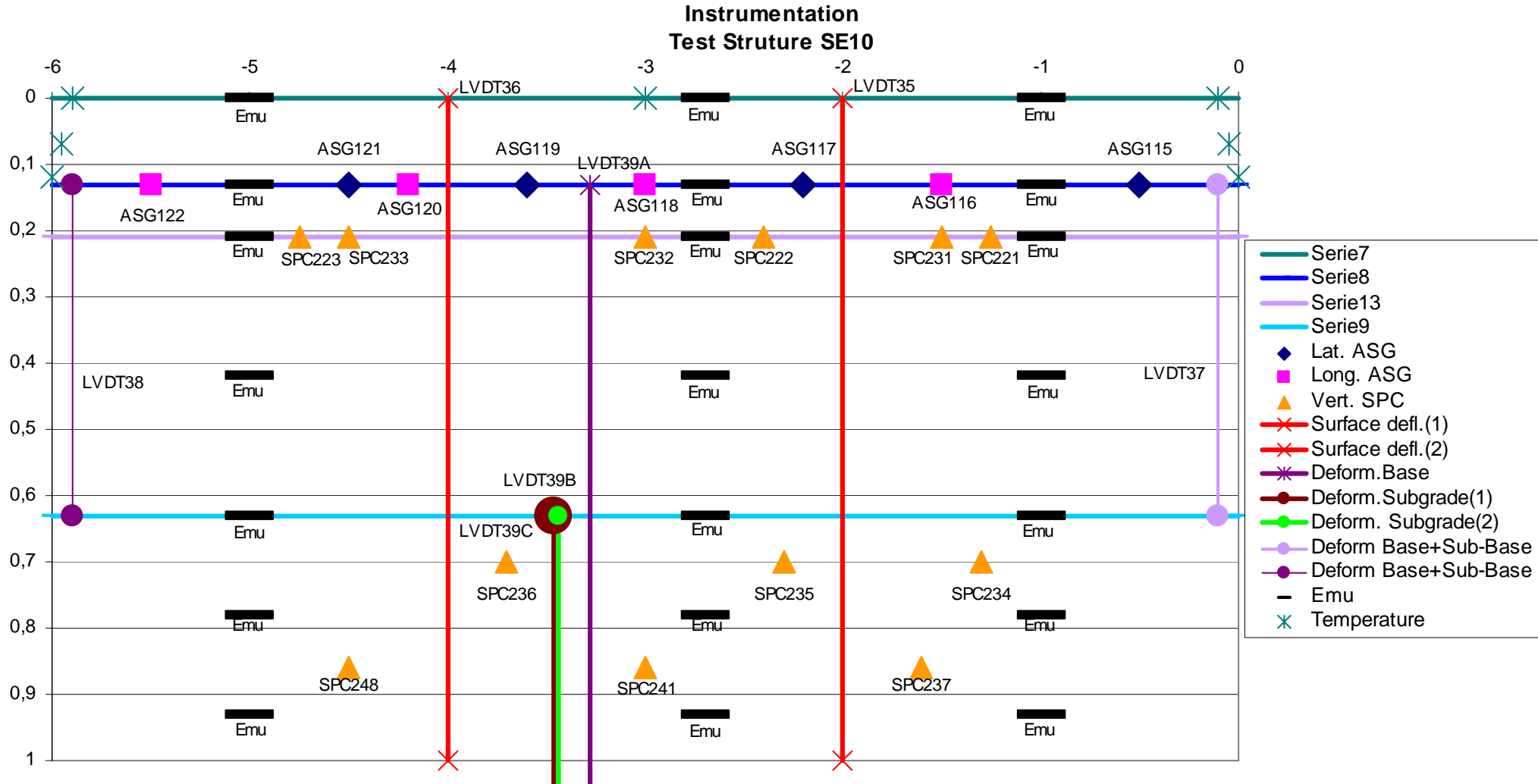
- Evaluation of different strengthening strategies on existing road in some European countries, (if the European Union accepts the proposal).

Teststructure, SE10

Swedish reference

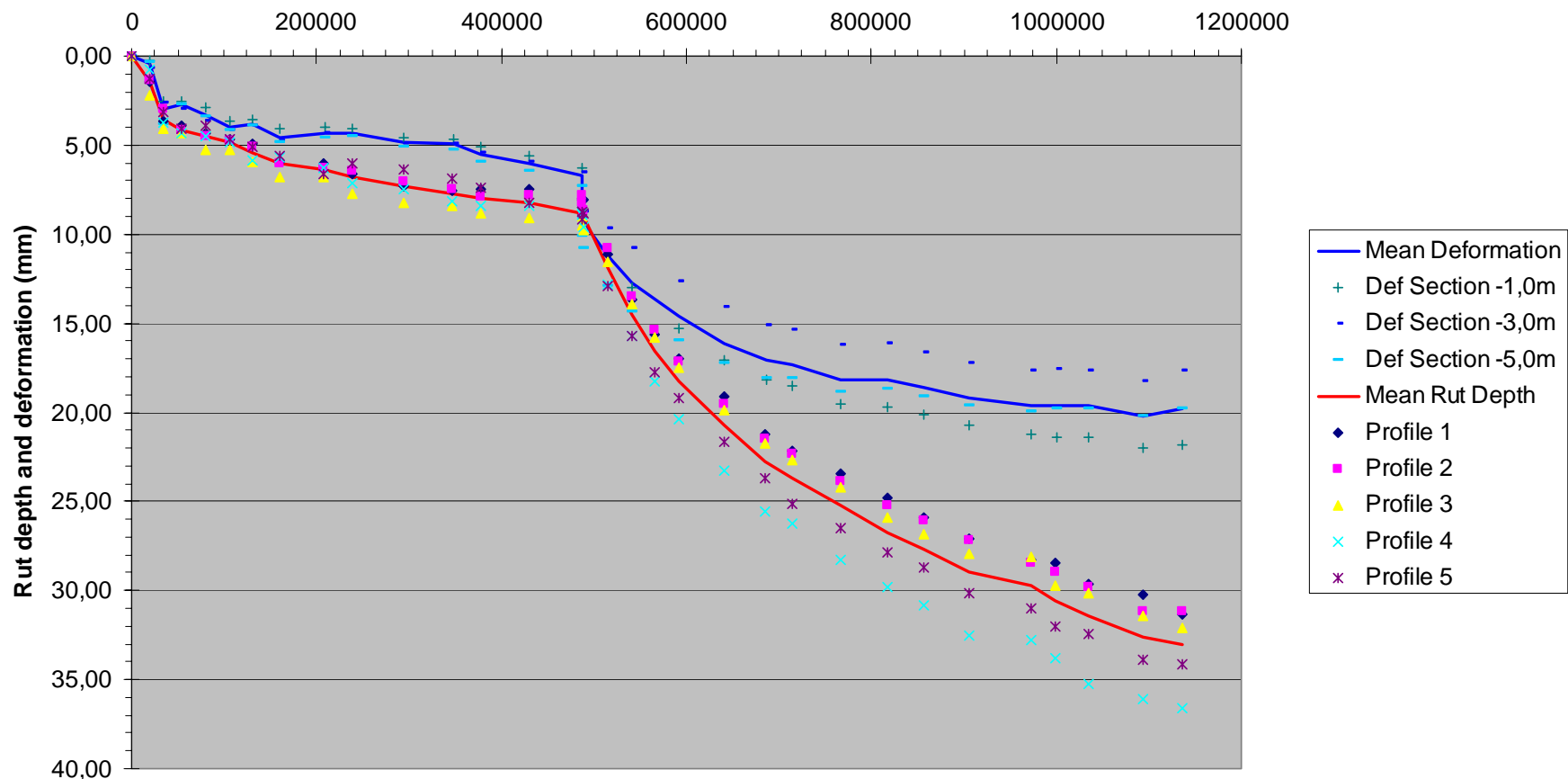


Instrumentation SE10



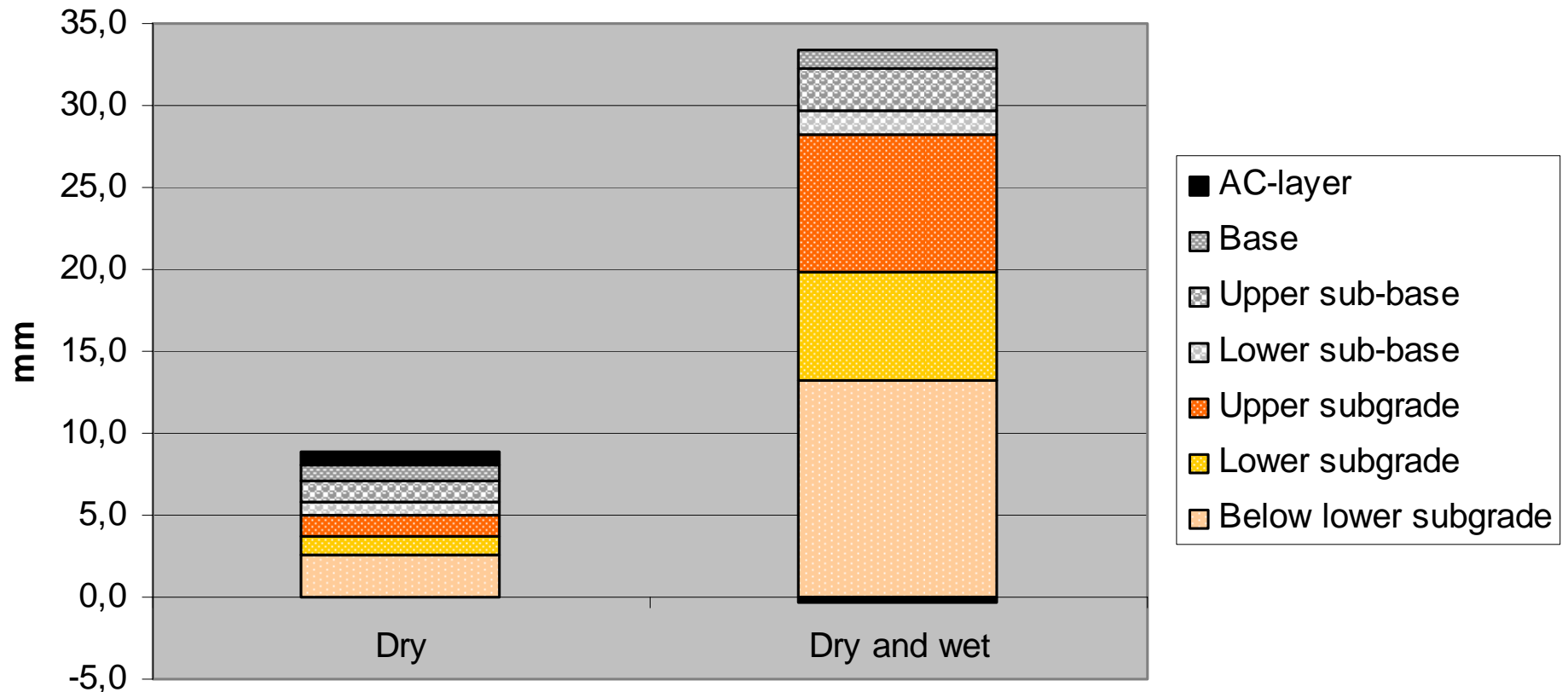
Surface Rut Depth and EMU Deformation HVS SE10

Load repetitions



Contribution to rut depth

SE10, Plastic deformation in layers

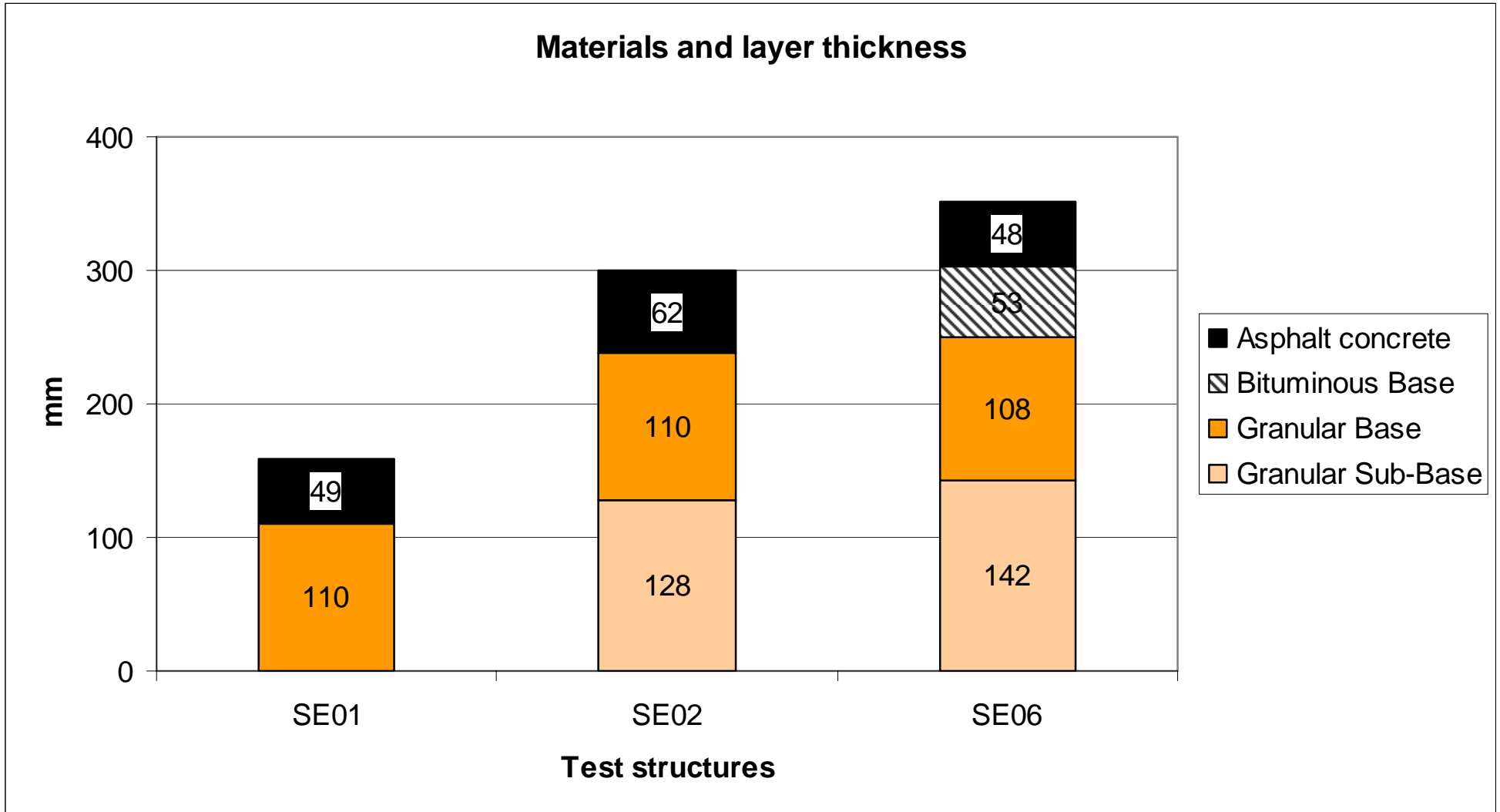


Dry = 500,000 and Dry & wet=1100,000 passes

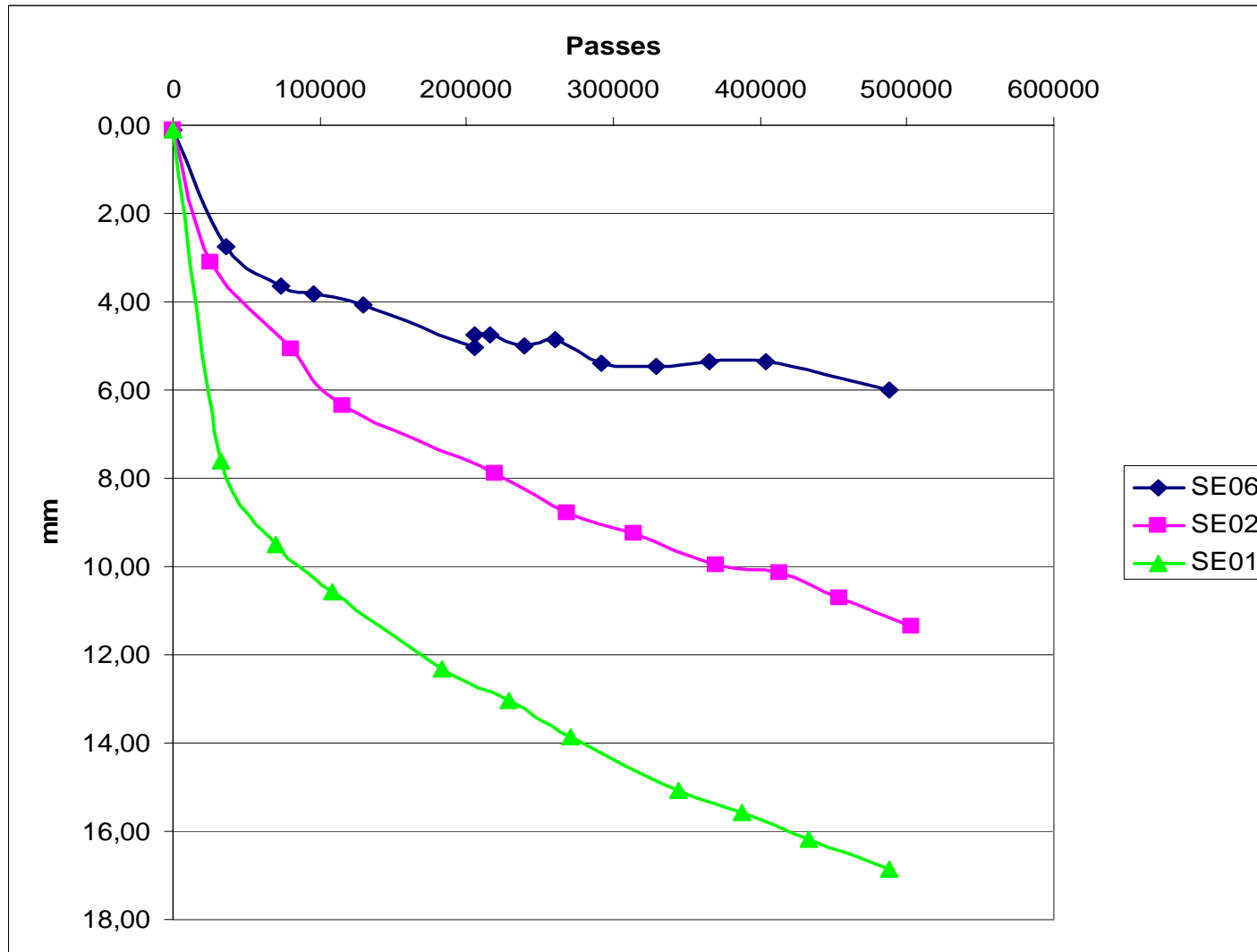
Some result from previous tests

SE01+SE02+SE06

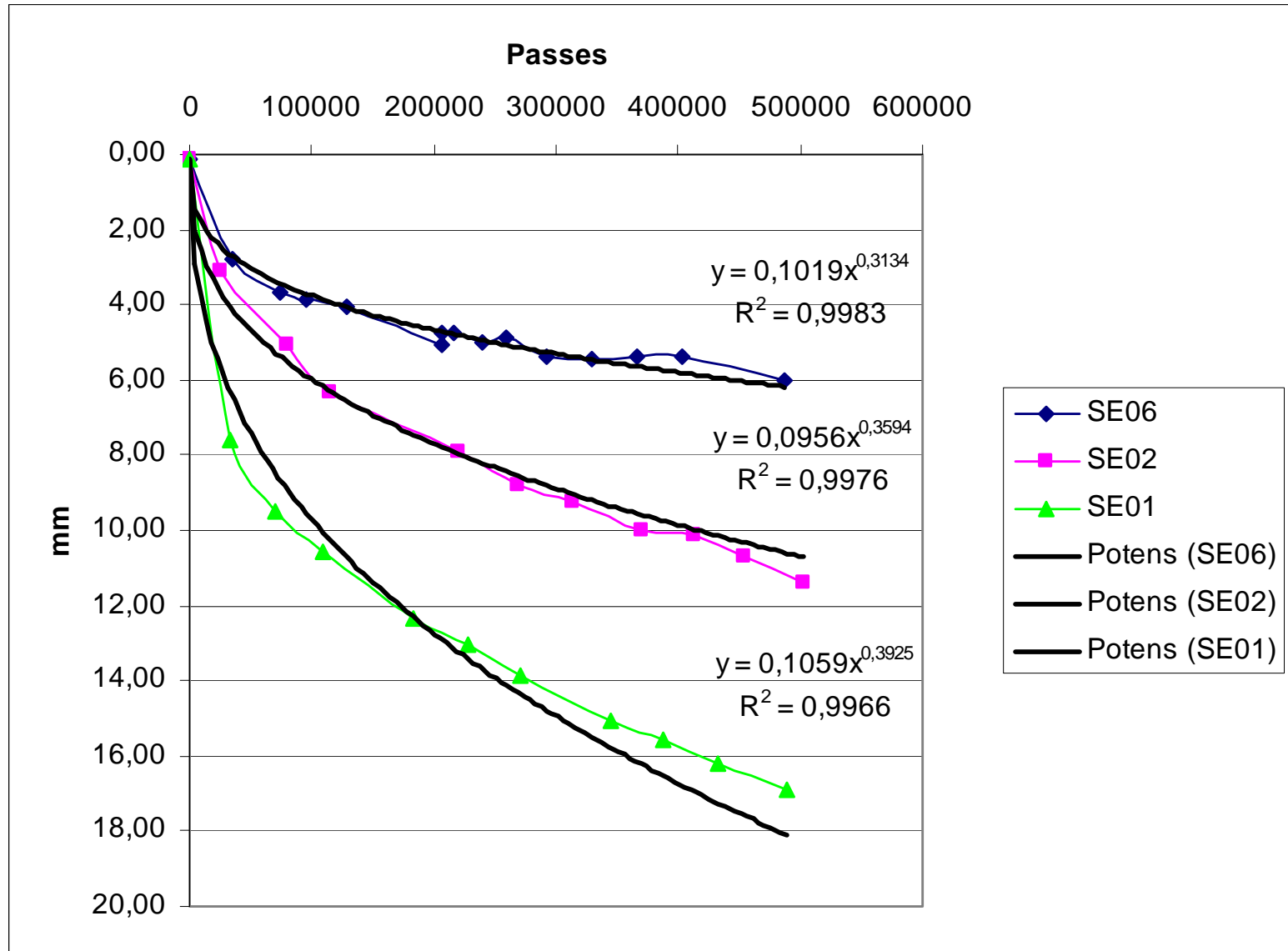
Test Structures



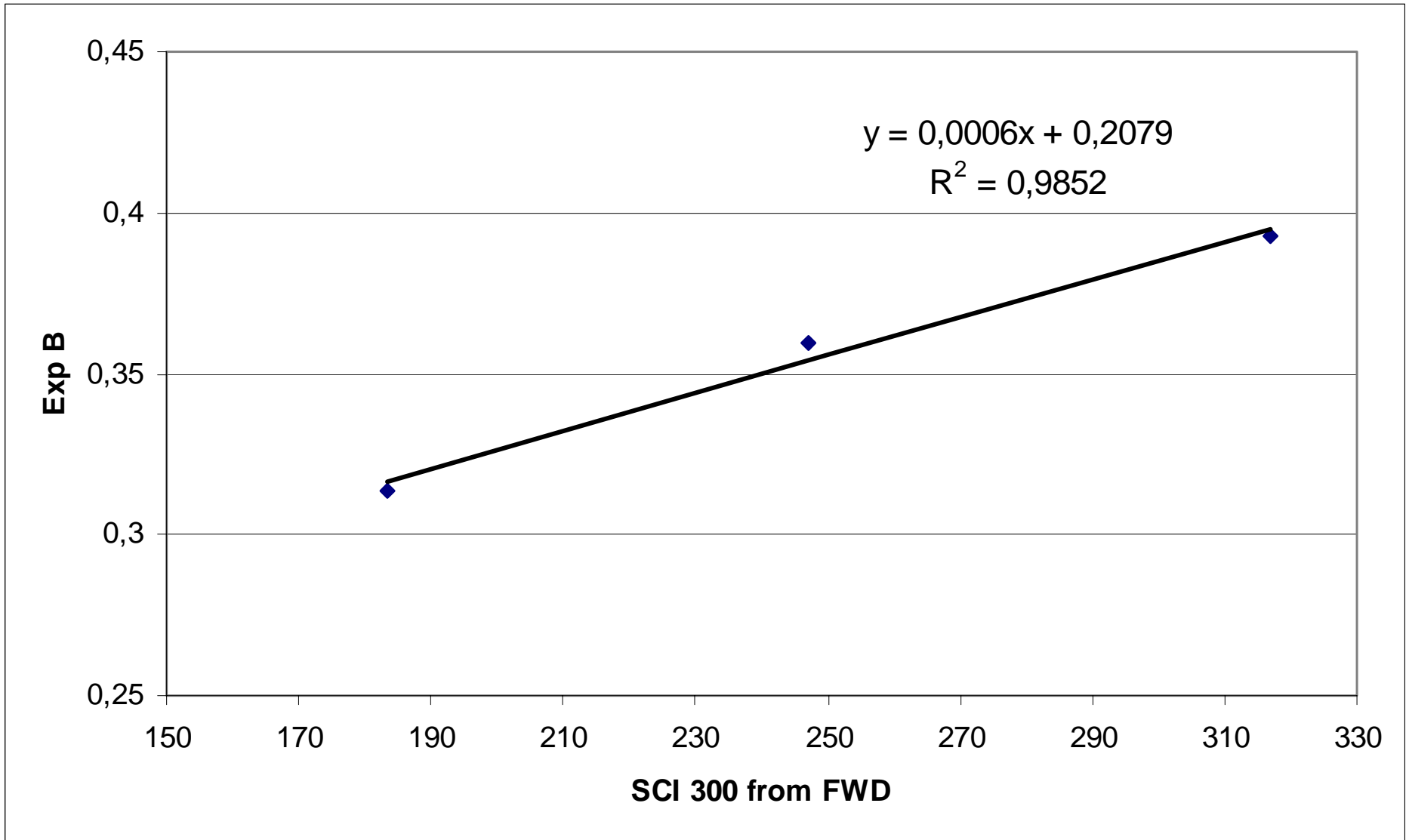
Rut depth propagation



Regression Lines



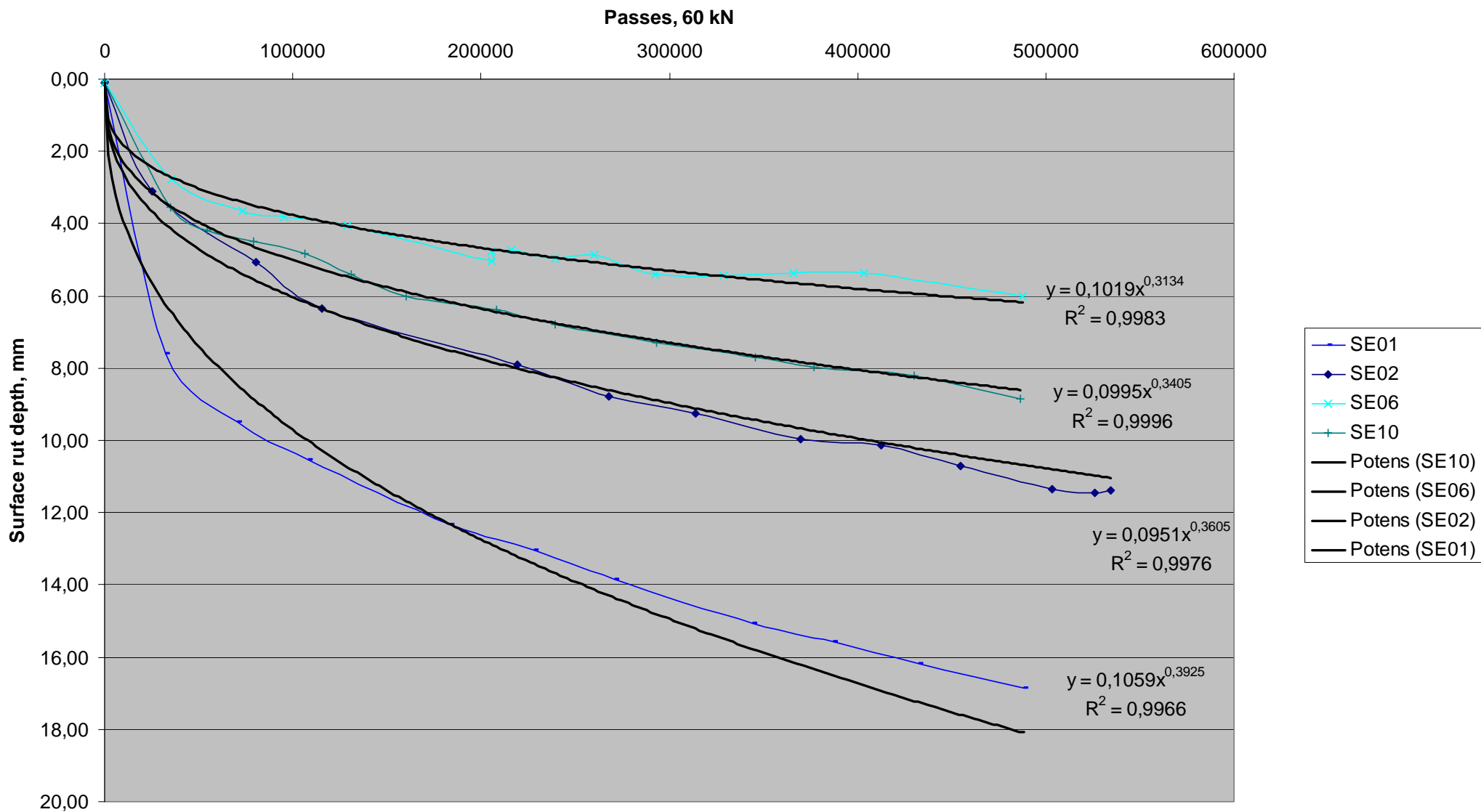
Response vs Performance



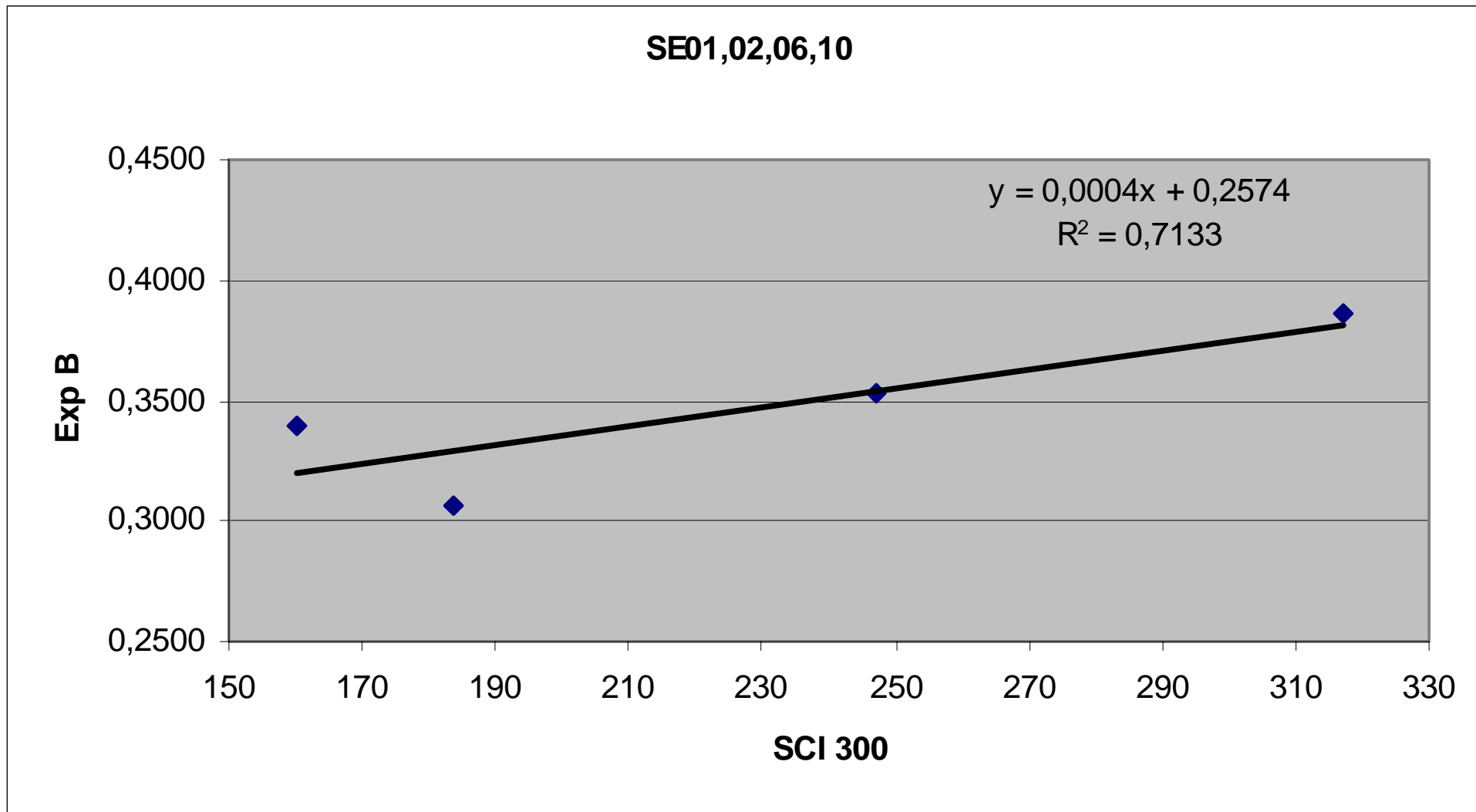
Then?

» HVS Rutting = $0,10 \times N^{(0,0006 \times \text{SCI } 300 + 0,2079)}$

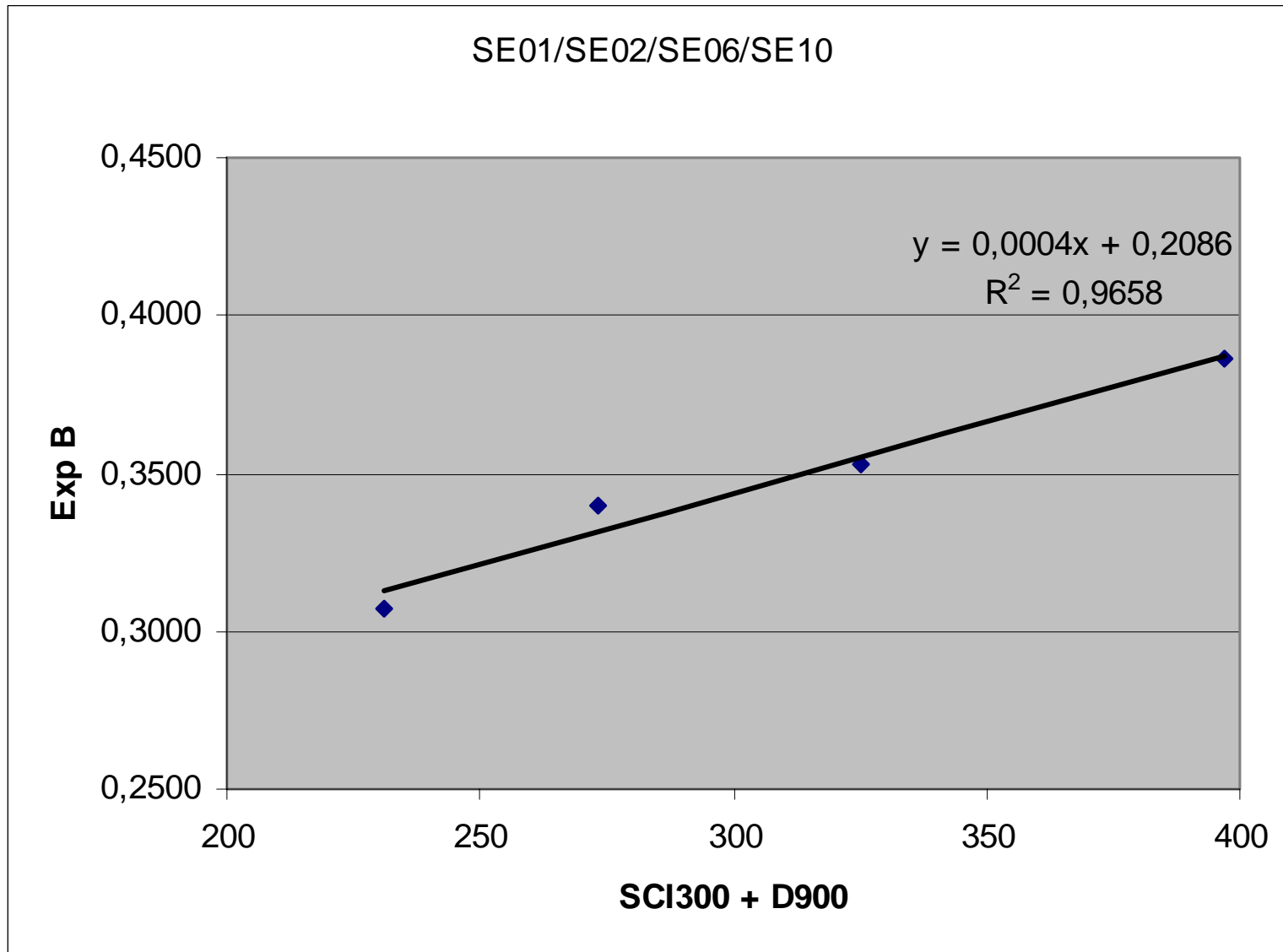
Mean rut depth propagation dry condition



SE01,SE02,SE06 & SE10



SE01, SE02, SE06 & SE10



VTI rapport 544A

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