

Mix Design and Analysis Track Pooled Fund TAC Meeting TPF 5(205)

National Concrete Pavement
Technology Center



Pooled Fund 5(205)

- Participating States (8)
 - IA, KS, MI, MO, NY, OK, TX, WI
- Contract Status
 - FHWA contract ended in July 2012
 - Pooled fund contract ends in June 2013
 - Will be applying for an extension - \$50K not under contract

Pooled Fund Tasks

- Tests
 - Portable XRF
 - Complete
 - Foam drainage
 - Ongoing
 - Protocol for integral waterproofers
 - Complete

Pooled Fund Tasks

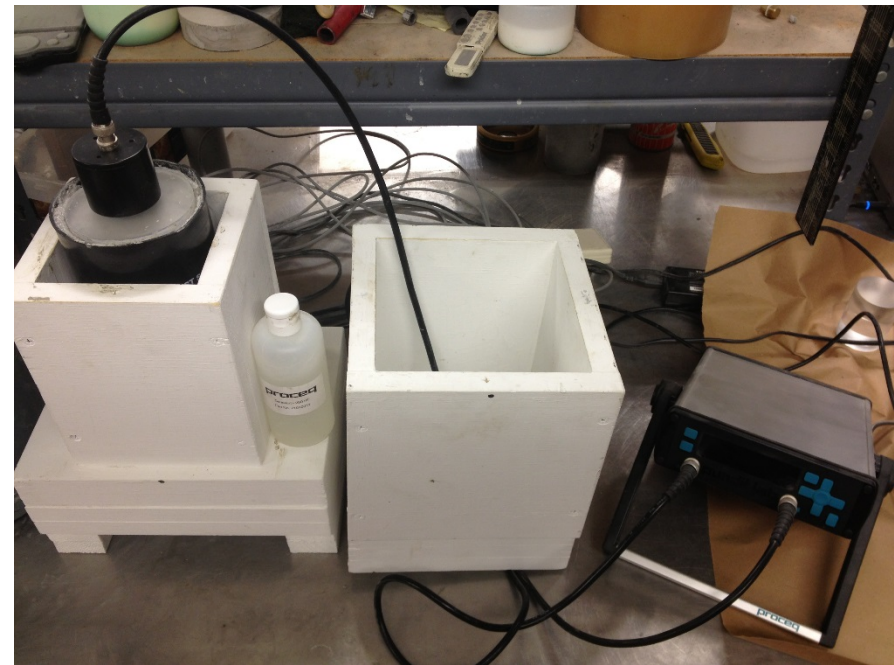
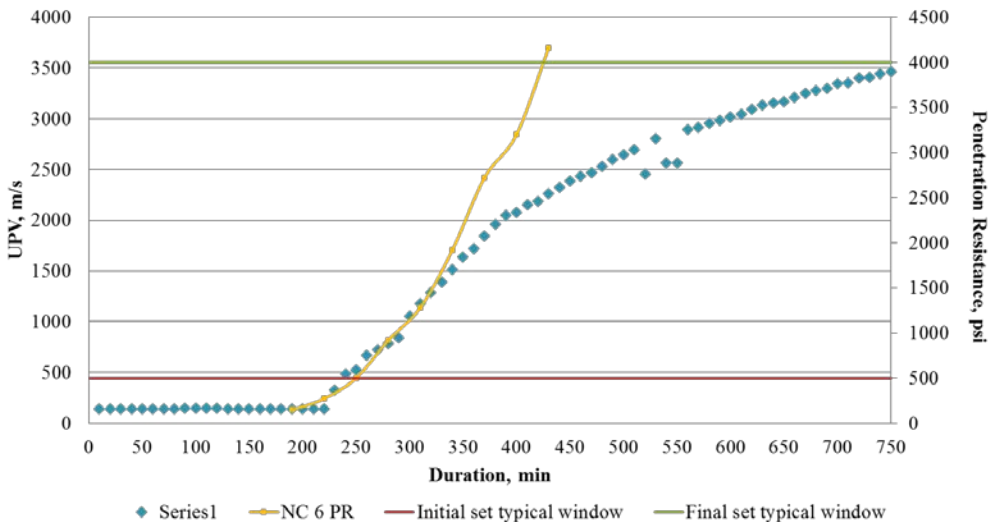
- Models
 - What air do we really need
 - Complete (Ley)
 - Mix proportioning
 - Complete (Ley)
 - Wrapping up (Yurdakul)

Pooled Fund Tasks

- Specifications
 - Guide specification
 - Complete
- Tech Transfer
 - Reports written for complete work
 - Papers in journals and conferences

Pooled Fund Tasks

- Tests (Proposed)
 - P-Wave for Setting / Sawing
 - Device on loan from Proceq
 - Lab work looks promising
 - Want to get it in the field



Pooled Fund Tasks

- Tests (Proposed)
 - Workability for Paving Mixtures
 - Slump – too simple
 - Vibrating slope apparatus – did not work
 - Rheology
 - Only for fluids
 - No vibration effect
 - Plot Flow vs Energy
 - Vibrating Kelly Ball
 - Modified VSA



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