NEAUPG – Activity Report

Annual Meeting – Christiana, DE
October 11, 2006
Frank Fee
NEAUPG Meeting

- ‘06 Activities
- Steering Committee mtg. 3/20/06
  - NH reported concern with increase in paver segregation – much discussion but no firm action item developed
  - DE suggested some changes for the Binder QC Plans – a number of which were addressed
’06 Activities

- **PG+ specification for PMA**
- New test procedure (MSCR) proposed by John D’Angelo (FHWA) was sent to users & suppliers for evaluation & comment
  - ‘Research ‘ grade rheometer & software upgrades required = extra cost to do test
- AASHTO-SOM will adopt as a Provisional Procedure
‘06 Activities

- **PG+ specification for PMA**
  - As an interim step – looked for a standard Elastic Recovery (ER) procedure
  - ASTM vs. AASHTO – conflicting data on test variability
  - Only 5 agencies require – 4 use ASTM
- All agencies agreed to use **ASTM** test
## ’06 Activities


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<tr>
<th>Agency</th>
<th>Test Proc.</th>
<th>Conditioning</th>
<th>Specification</th>
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<td>PADOT</td>
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<td>PG 76 = 60min.</td>
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<td>PA Tpk.</td>
<td>ASTM Proc. A</td>
<td>ARTFO</td>
<td>PG 76 = 60min.</td>
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<td>NJ DOT</td>
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<td>NYDOT</td>
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<td>Port Auth.</td>
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<td>PG 64-28 - special mix = 60min</td>
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<td>PG 82 = 80min</td>
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‘06 Activities

- Develop Binder QC Plan for HMA plants
  - Problems with multiple grades and lack of understanding about binder contamination
  - Working with one HMA contractor to develop pilot plan
  - Why needed – Scope of work
Binder QC Plan for HMA Plants

- When only **one** Binder grade - no problem
- Increasing use of different PG grades
  - Requires switching storage tanks
  - Off loading tankers with different grades
  - Changing valves and supply lines
- Need to make HMA plant personnel aware of issues
- Best approach - Develop QC Plan for Binder at each HMA plant
Binder QC Plan for HMA Plants
Binder QC Plan for HMA Plants

- Tanks ID clearly labeled
- Identify the quantity of the tank 'heal'
- Many tank heals can change the grade by one or more
Binder QC Plan for HMA Plants

Some elements of the Plan

- Identify those responsible for ordering and handling AC at the HMA plant
- Develop plant infrastructure layout (e.g. tank location, size, configuration, etc.)
- Log for all incoming binder – time, operator, discharge tank, grade, BOL, quantity, etc.
- Protocol for switching grades in plant
- Sampling protocol and action plan if problem develops
The Plan should be written so that anyone in the organization can easily understand the protocol and assigned task.

Managers, operators, truck drivers, technicians, agency inspectors, and others involved, should know how to access the Plan and be trained in their responsibility for its use.

Potential implementation will be discussed at next Steering Committee meeting.
NEAUPG Meeting – ’06

- Web page – all presentations posted
- www.superpave.psu.edu/index.aspx
- Click on NEAUPG