1) Test Deck Status
   a) 2002 Penn and Miss deck completing measurements for the second year.
   b) 2004 Test Decks
      i) Wisconsin with Minnesota and Wisconsin University
         (1) Temporary tapes to be installed May 11 & 12, 2004
         (2) All other products installed the week of July 12
         (3) Total products – 115 with a dozen of temporary tapes
      ii) Mississippi
         (1) Product installation to begin June 14
         (2) Total products – 96 with ten temporary tapes
   c) Test Decks will be using the new work plan which is a “live document”
   d) Future decks Industry ask for test decks to be identify in November of the previous year so they can plan what products they will use on the decks.

2) Presentations
   a) Greg Shay – Dow Chemical
      i) Dow’s Traffic Marking Survey that was sent out to all the states.
         (1) Noted the common used PM material for long line is Waterborne paint and Thermoplastic for a durable marking
         (2) Brief explanation of Durable Waterborne – 2 year using Dow DT400 or R&H HD21 resin with a 25-30 mils wet thickness.
   b) Wendy Ealding – VADOT
      i) ASTM Liaison
         (1) ASTM D04.38 – new standard for wet reflectivity pavement is still being work on.
         (2) ASTM D4592 – Removal Tape specification revised Oct 2003 main change is the deletion of the abrasion test which has already been deleted out of the permanent markings.
         (3) ASTM D6359- Min Retroreflectivity of newly applied marking is up for its 5 year review and will be worked on soon. The old spec is currently out of date.
         (4) ASTM subcommittee is actively working on these specs.
      ii) Lead free marking
         (1) What is lead free paint?
            (a) HVD – standard is 0.069% max.
            (b) EPA – disposing standards < 5 ppm in TCP test
            (c) OSHA – no numbers but regulations during the removal in regards to exposure to workers
         (2) What does lead come from?
(a) Filler materials or carry over from the plant from other products

(3) State Standards per Wendy’s survey
   (a) VADOT 100 ppm max
   (b) 6 States use HVD limit
   (c) 4 States use 100 ppm
   (d) 4 States use 5 ppm
   (e) 3 States use 10?
   (f) 8 States say no lead

(4) NTPEP testing lead? At this point is in time NTPEP industry just notes on their form if their product is lead free or lead but no test are done to see what their limit is for both.

(5) Whether or not lead testing to be included in a future decks to be voted later in meeting.

3) Industry Work Plan concerns
   a) Wet Reflectivity measurement – discussed late in the work plan
   b) Data Mine – subcommittee was develop to explore the Data Mine for problems or need additions ie graphs or comparison between products
   c) Use of multiple test decks for States – Industry asked why Northern states can’t use other northern decks instead of just using one ie PENN deck. If States use other decks it will help Industry in getting products approved earlier instead of waiting for the next deck.
      i) No comments except Penn Dot uses their deck mainly because of the consistency of the testing and when other decks are consistent with their testing PENN may use Wisconsin Deck. The new work plan will pave the way for consistent testing.
   d) Concern discussed during a telephone conference called in April mentioned by Industry “How do we know that the same mil thickness is being applied on the deck as was applied during the calibration process.” It was suggested that the upcoming Test decks do some panel samples during the test deck application to check the mil thickness. *This will be done on the 2004 decks as a check.*

4) New Work Plan Modifications, Clarifications or Additions
   a) Dave noted that everybody could review the work plan on the Utah T2 wed site an send in their comments.
   b) Photographic log
      i) Frequency of pictures – quarterly for all three years – *State and Industry agreed to this frequency.*
   c) Nighttime color and Wet Reflectivity measurements
      i) This was discussed for a while outside of the general meeting by the PM panel and the attached chart explains the outcome of those measurements to be adjusted in the 2004 work plan.
   d) Other work plan comments mentioned during the meeting:
      i) Page 3 Field evaluation
         (1) Under No. 1 - the test deck State shall mention if studded tire and chain usage is allowed within the test deck.
         (2) Under No. 9 – the test deck State shall note the type of plow and plow blades and/or if shoes are being used during winter maintenance.
ii) Page 44 Calibration – the glass bead measurement calculation shall be check to make sure it is accurate for mil thickness other than 15 mils.

iii) Lab testing – “Contrast ratio testing” we need to confirmed that the correct mil thickness of 15 has been addressed in the work plan.

5) Data Mine
   a) A sub-committee consisting of the following has been established to review the PM Data Mine to determine if there are any problems or additional functions to be included in the Data Mine.
      i) Dave Kuniega – PennDOT (Lead), John Corcoran NHDOT, Ned Schmitt, WisDOT, Phil Lancaster FDOT, Burt Sutker Trelleborg, and Klyne McCarty Ennis Paint
      ii) The committee will have a conference call in the Fall of 2004 and Spring 2005. *John Corcoran will initiate this conference call through the Lead person.*

6) Procedural Lab Test
   a) Three sub-committees where developed to standardize lab composition testing for thermoplastic, tapes and multi-plural components which give the NTPEP labs a reference guide when noting the specifics of these pavement marking materials.
      i) Tape Sub-committee – Burt Sutker Trelleborg (Lead), Dave Kuniega PennDOT, Neil Hudson 3M, Bill Phillips Swarco
      ii) Thermoplastic committee – Craig Graham Vtrans (Lead), Klyne McCarty Ennis Paint, Susannah Dobbs Dobco, Philip Lancaster FDOT
         (1) This committee will break out performed and screed thermoplastic
      iii) Multi-Plural Components Committee – Dave Villani Ennis Paint (Lead), Michael Mourad Epoplex, Neil Hudson 3M, Meredith McDiarmid NCDOT
      iv) The committees will have a conference call in the Fall of 2004 and Spring 2005. *John Corcoran will initiate this conference call through the Lead person.*

7) Open Discussion
   a) Dave K asked if States and Industry where interested in developing a standard PM specifications per a regions similar to what NEPCOAT has done in the Northeast with Bridge painting.
      i) Jim McGraw MinnDOT noted that the Mid-western region has talked about during this during their regional meetings. They are still in the developmental stages at the present time.
      ii) At this point in time no other States are interested.

8) Items voted on by the PM Panel
   a) Panel new members due to retirement of Mark Andrews Okla. DOT and Paul Harkins FDOT
      i) Ned Schmitt WisDOT
      ii) Philip Lancaster FDOT
      iii) Michael Mourad Epoplex may replace Boyd Zollingel of Epoplex

   b) Lead Testing to be included in the Lab Test in the future test decks (2005)
      i) Presently, Industry just notes lead or non-lead on their product submittals and States do not know what requirements they are meeting.
ii) **Approved**

iii) *Standardize Testing will need to be developed over the next year to be included in the work plan*

c) Photo Log will be taken at the initial application, pre & post winter and the end of the year.

i) **Approved**
2004 PM Committee To Do List

- Sub-committee Telephone conference calls - John
- Test Performance Measures Tracking - John
  - Begin and completed on time
- Review work plan for withdraw policy
- Lead testing for 2005 Test deck – a future conference discussion item
- Panel Conference calls coordinated through Mike – John
  - Agendas to be drafted by the PM committee