1. (10 Min) Introduction of Panel Members
   Chairman – Jim Swisher
   Vice Chair – Jason Davis (or designee)
   Welcome new NTPEP/SSM Liaison – Vince Glick
   Welcome new TC Members
   *Jim Swisher gave a description of SSM/RUP program*

2. (5 Min) Minutes of 2016 Meeting – Grand Rapids, MI and 2016-2017 Conference Calls
   Minutes on NTPEP Website for review.

3. (5 Min) Data Mine 3.0 Update
   New SSM Module complete. Live version to be evaluated by DOT’s and Industry.
   DM 3.0 Question/Answer Session – was Monday, March 13...any more questions? – *Please continue to work with the new version and send any questions to Jim. Take a screen shot whenever you are sending an issue to Jim.*

   *Have any of the Mfgs. or DOTs found any missing data since the migration from 2.0 to 3.0? 2017 submittals were put into 2.0 and then migrated. Some issues were found. Some of the 2011-2012 released data is coming up with an (*). May be due to the new test fields. This will be investigated.*

   *Mfgs. should collate their responses with regard to data issues to determine if they have similar issues. Industry Rep. (Chris) will coordinate this effort.*

   *Want to thank the four DOTs who do the hard work for DM3.0: LA, MO, MN, & AZ.*

   *Survey Info from Bill R. – information will be released very soon regarding NTPEP Sign Sheeting Program usage.*

4. (5 Min) AASHTO Subcommittee on Materials (SOM) Liaison Report
   AASHTO/ M268 updates:
   NCHRP Project 20-07/Task 374 – Guidelines for Selecting Sign Sheeting Materials for AASHTO M268
TTI was chosen for this study. – Proposal to provide information (User Guide) to the Engineer who selects the sign sheeting for their use. This study will not cover how to use the data for product selection. Contact Jim with any questions.

5. (5 Min) ASTM Liaison Report (Jason Davis) – Working on clarifications to the Scope. D4956 should not be used in place of the MUTCD. M268 & D4956 need to “educate”. ASTM now has a “purple” color included.

6. (10 Min) Old Business
   A. Data Mine Problems – DM 2.0
   B. Round Robin data release to Industry
   C. Digital Printing
   D. Microscopic Identification of Sign Sheetng – PennDOT
   E. Proposal to drop Lab (Bench) Luminance (Y-Total) Testing on Fluorescent samples.

7. (70 Min) New Business
   A. 2017 Submittals to be fabricated week of April 24th:
      SSM = 75 samples, RUP Submittals + small number – barricade sheeting has three samples submitted (2 different Mfgs.) Manufacturers have been charged twice in Datamine. Need to fix
      B. Data Mine Problems experienced in 2016: - Is LIVE, will discuss issues next conference call
      C. Lab Audit of AZDOT. Report to be published on NTPEP/SSM web site. – AZ did a very good job on the audit. Met all of the requirements. Looked at Specifications, Training, Calibrations, Data Mgt., Timeline/Schedules for Testing, Reporting, Test Deck Procedures, Round Robin Testing, etc.
      D. Round Robin Data – Data to be available with Lab Audit Report. – planning to share with the Mfgs.
      E. Digital Printing – New updates and information on different printer technologies and equipment. – Good data shared at ATTSA Meeting. Some printers can do both.
         To form Task Group on Digital Printing Durability Evaluation – AR uses this type of printing. Has helped out on labor. Some Vendors have a warranty on their product. Mfgs. do require a UV film with these printers. Durability – would like to see more data from the Mfg. (or DOT) on long-term Durability. Some of the digital products have been under NTPEP testing for several years now. ILDOT is looking into digital printing and testing in the field. Could we work together to look at this issue? (ILDOT, VDOT, FLDOT - Developmental 994)
         ILDOT ran some UV testing on samples without the UV protectant for 1000+ hours with no real effect. Would we want to keep the NTPEP digital samples under weathering evaluation for longer than current time limits of the program? Industry questions this approach.
      F. Update on Sheetng Identification Task Group – (PennDOT) – Did not receive anything since last year. Industry did not do anything since last year as well. Can we get something for next year? Industry will try.
      G. Discussion on the need to add additional retroreflective data after weathering (adding a 0.5 degree OBS) – TTI has stated that the 0.5 degree observation angle will help to give a better evaluation. Any interest in looking into this? Hearing nothing, contact Jim with any questions.
      H. Proposal to drop Lab (Bench) Luminance (Y-Total) Testing on Fluorescent samples – Appears to have wide variability in round-robin testing between labs. Propose to ballot elimination of Lab (Bench) Luminance (Y-Total) Testing on Fluorescent samples. LADOT: Think that even though you don’t have complete agreement in values, does the data not still give some valuable information? Some equipment does not have the UV filter attachments. Need to look at “filter-in” vs “filter-out”. What does Industry recommend? The data is valuable. Colorflex is the referee. Industry will look into this.

8. VDOT looking into using LED Lighting for over-head sign lighting – Anyone else looking into thee? NO
9. Industry Concerns:
   a. DM3.0 - need to play with this
   b. Finger-Printing – OK with this
   c. Round Robin – Status? Would like to look at all the labs first. At least the four Mfgs. have completed the testing? Where are the DOTs?
   d. Only able to have one “quarterly” conference call since last year. Can we get back on a quarterly schedule? Will try.

10. Items to consider for digital printers
    a. Cost
    b. Integrated component system
    c. Quality/speed
    d. Consistency
    e. Software
    f. Size
    g. Specs.
    h. Certified training
    i. Warranty coverage
    j. Tested by independent lab