1) 12:40 PM-12:45 PM: Call to Order and Introductions
   Allen Gallistel started the meeting at 12:43
   iPad sign in announcement - iPad circulated for confirmation of attendance

2) 12:45 PM-12:50 PM: Committee Leadership
   Jason Trembly has changed roles in his DOT – no longer able to participate as chair
   Allen indicated that he would be willing to step into that role and has been involved
   in this TC as part of the testing program
   Brian K opened the floor for nominations. Jerry nominated the Allen and Stephen
   seconded. Affirmed by the committee as Chairman
   Brian noted this does create an opportunity for someone to participate in the process
   and encouraged members to talk with Allen or AASHTO staff for the position.

3) 12:50 PM-12:55 PM: Update – Program Status
   Last Product Submittals are from 2012 – they have completed testing or will be
   complete in the next year
   Crack Sealants - The current deck in VT - All readings are complete and released to
   Manufacturers on 5/15/15
   Future Deck to be done in TX

   Joint Sealants
   Current Deck in NC – all data is public through year 2 and year 3 readings will be in
   March 2016
   Deck to continue in NC

   We need to assess the status of the TC and determine why we have not had
   participation over the last couple of years. With the deck in TX there will be a hot
   weather deck later this year. Hopefully this will spur additional activity in the
   committee.
4) 12:55 PM-1:05 PM: Survey Results
There were 27 respondents to the recent CS/JS survey.
26/27 states use CS and 26/27 use JS
12 use the lab data
9 use field
5 of 27 states have a recertification requirement
Not being used for various reasons such as accepting on certification, no control in what is used, or testing to state specification.
Higher state participation would probably increase the manufacturers’ participation as well

Brian K. – the survey was sent to the NTPEP voting member with instruction to send on to the SME in the state.

A map of the participation is included on the NTPEP web site.

With the change in leadership we will work on getting more state participation and with the TX deck work to get participation from the Manufacturers.

5) 1:05 PM-1:15 PM: Re-Evaluation (lab only rates and should field be included?)
Recertification currently required for lab testing. This 3 year requirement is not clear when it starts, after end of field evaluation or after submittal date. There is no separate lab rate published to cover this requirement. So far this has not been enforced.

This should be 3 years beyond the release of the 3 year data. Lab evaluations for ‘recertification’ should be done on the products submitted in 2009.
Allen opened the floor to comments/discussion on how to proceed with this.

AZ – does a 5 year time frame before a recertification and accepts supplier data for updates (certification and test data)

Allen – since the retest cycle would essentially be on products submitted 6 years ago – have to believe there is a change in raw materials, but does this change the product as formulated, lab testing could indicate if the product itself is significantly different.

If required to do a retest we need to know cost of testing.

Brian K – will work with MN and get that information updated. We will look at the 2009 data and will archive data if the manufacturer chooses not to participate.

The states have asked for independent laboratory reports not necessarily the NTPEP data.

Will the retest cycle just be for lab data every 3 years?
Those changes need to be discussed and will be dependent on state’s needs. We will get the laboratory test costs together and forward the notification to the manufacturers of the 2009 products.

Allen reviewed the laboratory tests that are currently detailed in the work plan for both CS and JS

It was suggested that a chromatograph or XRF would be a better fingerprint than the FTIR.

We would like to have input from the industry regarding the test protocols and any suggestions for improvement.

6) 1:15 PM-1:30 PM: Texas CS Test Deck and TxDOT Evaluation Methods
The submittal period is open for this deck on US 377.
It is 2 lanes north bound starting at the RR tracks just north of SH 171 in Cresson, Johnson County and going north about 3,000 feet.
An overlay was done 2 years ago and already has reflective cracking. Most of the pictures show transverse cracks but we do have 1 intermittent longitudinal crack.

We typically crack seal in the winter months – so it would be done in December or January.

We typically do not evaluate the longitudinal joint. If you wanted to seal the longitudinal crack we would not use the data from that application.

We have probably as many longitudinal as transverse. Area is coming out of a drought and has had a lot of rain. The soil is expansive clays so there is currently a lot of movement of the sub base.

We typically do not have a lot of temperatures below 32F.

Would MN do the lab testing? There may be a need to adjust the test conditions based on the materials

Since we have had only cold weather test decks – we may need to adjust the testing criteria.
What if the manufacturers got together and created the specification for running the tests. We have discussed at ASTM about creating a test plan for warm weather applications.

Jerry – as far as I know the TXDOT crack sealant specifications are unique. We do not want something that is going to be so soft that it will track.

We want to submit different products for the hot weather test deck.

With making the move to the warm weather deck this definitely needs to be discussed and changes made in the WP.

We would be looking at a change in DM as well.
Do we need to capture the TXDOT and manufacturer data? What are the other southern states using for testing specifications? How are they different?

We would want to submit products that are more advanced than the original materials were developed.

Some of these changes we can take care of prior to installation of the products for the Texas Deck as that won’t happen until late 2015 / early 2016.

7) 1:30 PM-1:40 PM: Discuss DataMine 2.0 and DataMine 3.0 Items
Maybe in the DM revisions we can talk about how to better address some of the discrepancies that showed up in the data.

If it has pulled out it is adhesive failure and it should be included in the adhesive failure total.

The pullouts happened between year 2 and 3 according to the data.

Report as an adhesive failure and the percentage of pullouts.
Questions regarding extracting data – these should be addressed in DM3.0

We probably need to adjust our submittal cycle – depending on how this will affect the NC deck. So that the manufacturers know the full picture -

Data Export in the revised DM will be easier – there will be an excel download and there will be ‘datalink’ there will be the ability for a manufacturer to provide a state a direct link to the data.
We are revising the payment methods in DM as well to expedite recording of payment and testing.

8) 1:40 PM-1:50 PM: Industry Concerns
The testing we have discussed and will talk about on the quarterly call.

The NC deck concerns have been resolved. Data release has improved.

9) 1:50 PM-2:00 PM: Open Discussion
AZ – do you test mastics?
No, it has been considered and we are looking into test ideas and if you would get in touch with me we will discuss our conference calls.

Manufacturer – we don’t have a specification available for testing protocol for this material at this time. We are working through ASTM for development of testing on finished product.

TX has a specification with some procedures for evaluation.

Has there been any consideration of making the track a more controlled environment? Like the Auburn test track?
We have looked at that facility for other products and it appears that it would be too expensive.
10) 2:00 PM-2:15 PM: Action Items for 2015:
   a) Review test procedures for warm weather applications
   b) Revise Work plan to include any revised test procedures
   c) Open submittal cycle for longer period of time to allow clarification of methods to be used
   d) Determine recertification fee and update posted fee sheet.
   e) Assess necessary changes for the module in DM
   f) Discuss Mastic evaluations in the conference calls.
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Asphalt Crack Sealant and Concrete Joint Sealant Technical Committee (CS/JS)

2015 NTPEP Annual Meeting
Scottsdale, AZ
Meeting Agenda

1) 12:40 PM–12:45 PM: Call to Order and Introductions
2) 12:45 PM–12:50 PM: Committee Leadership
3) 12:50 PM–12:55 PM: Update – Program Status
4) 12:55 PM–1:05 PM: Survey Results
5) 1:05 PM–1:15 PM: Re–Evaluation (lab only rates and should field be included?)
6) 1:15 PM–1:30 PM: Texas CS Test Deck and TxDOT Evaluation Methods
7) 1:30 PM–1:40 PM: Discuss DataMine 2.0 and DataMine 3.0 Items
8) 1:40 PM–1:50 PM: Industry Concerns
9) 1:50 PM–2:00 PM: Open Discussion
10) Action Items for 2015
Introductions

- Reminder – this year the sign in process is being done by electronically by I-Pad
  - Find your name
  - Click Edit to verify or change contact information
  - Indicate you are present
  - Save your information and selection
Current Chair Jason Trembly has changed jobs within VT DOT and will no longer be able to continue with his participation in NTPEP given his new role, therefore:

- New Chair is needed
  - Volunteers? – if vice chair takes over, any volunteers for that position?
- Current Vice Chair – Allen Gallistel, MnDOT
  - New Chemical Laboratory Director with MnDOT, position that was held by Jim McGraw prior to retirement
Program Status

- Last Product Submittals are from 2012
- Crack Sealants
  - Current Deck in VT – all readings complete, year 3 data was released to manufacturer review on 5/15/15
  - Future Deck to be done in TX
- Joint Sealants
  - Current Deck in NC – all data is public through year 2 and year 3 readings will be done in March of 2016
  - Future Deck to continue in NC
Survey Results

- There were 27 respondents to the recent CS/JS survey
  - 26 out of 27 states use asphalt crack sealants and 26 out of 27 use concrete joint sealants
  - 12 of 27 states use the lab data
  - 9 of 27 states use the field data
  - 5 of 27 states have a recertification requirement ranging from 4 – 5 years
  - Not being used for various reasons such as accepting on certification, no control in what is used, or testing to state spec
Recertification

- Currently Work Plans require a lab recertification only, with a three year frequency
  - This 3 year requirement is not clear when it starts, after end of field evaluation or after submittal date
  - There is no separate lab rate published to cover this requirement
  - So far this has not been enforced
Lab Tests – Crack Sealants

- Bond to Concrete
- Resilience
- Cone Penetration
- Asphalt Compatibility
- Apparent Viscosity
- Fingerprinting
- Softening Point
Lab Tests – Joint Sealants (1 of 2)

- Hot Poured – same as Asphalt Crack Sealants
- Cold Poured, Chemically Curing
  - Tack Free Time
  - Effects of Heat Aging
  - Bond to Concrete
  - Ultimate Elongation and Tensile Stress
  - Effects of Accelerated Weathering
  - Slump
  - Fingerprinting
  - Resilience
  - Hardness
  - Flow
Lab Tests – Joint Sealants (2 of 2)

- Preformed
  - Tensile Strength and Elongation
  - Type A Hardness
  - Oven Aging
  - Oil Swell
  - Low Temperature Stiffening
  - Low Temperature Recovery @ –10C
  - Low Temperature Recovery @ –29C
  - High Temperature Recovery
  - Compression – Deflection
Texas Crack Sealant Deck

- TX DOT has offered to host a 2015 CS Deck
  - US 377 Northbound 2 lanes starting at the RR tracks just north of SH 171 in Cresson, Johnson County and going north about 3,000 feet.
  - The road was overlaid by Maintenance 2 years ago and already has reflective cracking. Most of the pictures show transverse cracks but we do have 1 intermittent longitudinal crack.
TX – Deck Pictures (2 of 2)
TX – Evaluation Methods

- Presentation and Discussion
  - Richard Williammee – TX DOT, chair of ARA TC
Data Mine 2.0 and 3.0

- Recent Issues
  - How to address pullouts
  - Data Presentation / Extraction
- AASHTO Staff Update
Meeting Wrap UP

- Industry Concerns
- Open Discussion
- Action Items for 2015
  - 1
  - 2
  - 3