



**Technical Committee SAPL**  
**Technical Committee Meeting Agenda**  
**Wednesday, March 4, 2020 10:00AM – 11:00AM**

**Attendees (Bold indicates present):** Jeff Syar, Brian Carmody, **Steven Ingram**, Courtney Wallace, **Carlton Spirio**, Chase Knight, **Andrew Blackburn**, **Michael Pelham**, Kean Ashurst, **Therese Kline**, **Cabell Garbee**, Danny Lane, Philip Peloquin, John Schuler, John Rublien, **Whitney Wise**, **Robert Sherwood**, **Shawn McCormick**, **Keith Walker**, **Joseph Royer**, Steven Henning, Mike Kappler, **Chip Johnson**, **Katheryn Malusky**

**1) Call to Order and Introductions**

- Courtney Wallace is the new NTPEP liaison for SAPL

**2) Update-Program Status**

- 8 industry partners within datamine: 3 resins based 5 cementitious
- Kathy & Jeff had a call with another resin SAPL company end of January 2020

**3) User Guide Published**

- Is posted on NTPEP website
- DOT's can review to see how they would use information from the workplan

**4) Discussion of any Proposed Work Plan changes or Industry or Testing Lab Concerns**

a) Discussion on C-1609 vs C-78 testing

- (1) Industry has concerns that C-1609 is not beneficial since no cementitious SAPL products have shown residual strength, which is what C-1609 is set-up for
- (2) C-1609 is set up for fiber reinforced concrete that has residual strength after the first crack
- (3) Should we keep C-1609 for another vendor not currently in the program that may have this technology?
  - (a) Should C-78 be adopted until another vendor requests it?
  - (b) Relative cost between the two tests: C-78 \$40-50 C-1609: \$185-200
- (4) Suggested adding C-78 back into the workplan and making C-1609 an optional test in the workplan
  - (a) If vendor chooses C-1609 then C-78 wouldn't be required
  - (b) Sample size would be the same between the tests – 2 inch beams

b) AASHTO T358 surface resistivity

- (1) Recommendation to increase curing time from 28 days to 56 days.
- (2) Mentioned that DOT's often require more than 28 days
  - (a) Looking to move to 56 days for a more realistic number
    - (i) Shawn (SGS) is not opposed to 56
      1. It will not affect testing

- 2. Greener approach
  - (b) Would not increase the test cost
- c) Physical Material Testing Frequency
  - i) Current have 4 year frequency
    - (1) Work plan indicates 3 years after initial submission under section 11.4
    - (2) Recommend changing to 4 years after initial publication
      - (a) Kathy: as long as it is spelled out in the work plan it will be better for the states to understand
      - (b) How are industry partners notified?
        - (i) Up to them, there is no indicator in Datamine or from AASHTO
        - (ii) Rely on industry to keep up with the re-evaluation
- d) Joe Royer suggested adding a fingerprint test in the workplan to address product changes between what is used at the DOT and what is tested in NTPEP
  - (a) Can serve as a check for the DOT
  - (b) Joe will send information regarding the fingerprint test for cementitious products to Jeff; Jeff will forward to the members on the TC.
    - (i) Could be added for resin and cementitious SAPL
    - (ii) Resin fingerprint – IR test
    - (iii) Cementitious would be a little more complicated given the different add mixtures and fibers
- e) Proposed changes to the workplan will be made by Jeff and will be forwarded to the TC members before the annual meeting in June in Columbus
  - i) Voting will be done at the annual meeting
- 5) Update on SAPL pooled funded research**
  - a) Ohio is the lead state
    - i) 7 DOT's involved
  - b) Active for 2 years with 1 more year to go
    - i) Looking to be completed in December of 2020
  - c) Soil box testing is underway
    - i) Control pipes (corrugated metal pipe) circular and pipe arch shape
      - (1) Intact invert-Completed
      - (2) Removed invert-Completed
    - ii) Resin SAPL
      - (1) Circular shape-Completed
      - (2) Pipe arch-Finishing up this week
    - iii) Cementitious SAPL
      - (1) Circular shape will begin next month (April)
      - (2) Pipe arch after circular
      - (3) 7 days curing time prior to soil box loading
        - (a) Joe Royer was concerned that strength will not be maximized due to curing time
        - (b) Jeff indicated that there isn't enough time in the research project for 28 day curing and that the Vendor has been consulted
        - (c) Jeff will share Joe's comments with Research Team
  - d) If other DOT members are curious, contact Jeff for more information regarding research
- 6) Questions**
  - a) None