



NATIONAL TRANSPORTATION  
PRODUCT EVALUATION PROGRAM

**Spray Applied Pipe Liners (SAPL)  
Technical Committee (TC) Meeting Agenda  
Working Session # 6  
Wednesday, June 17<sup>th</sup>, 2020 1:30PM – 3:00PM**

- 1) **1:30PM-1:40PM: Call to Order, Introductions, and Role Call for Current TC Members**
- 2) **1:40PM-1:50PM: Brief summary of the Technical Committee**
  - a) SAPL is used to rehabilitate storm water conveyance conduits. It can be applied to conduits of many shapes, sizes, and materials. SAPL can be structural or non-structural in this NTPEP Technical Committee. The Host conduit may require additional repairs prior to the application of the SAPL. The material of the SAPL can be resinous (polyurethane, polyurea, epoxy, etc.) or cementitious (Portland cement or geopolymer cement).
  - b) This committee develops a work plan that performs uniform and consistent material testing; provides testing comparisons of applicable design considerations.
  - c) Testing is currently being performed by SGS TEC Services. DOT members have access to data through [data.ntpep.org](http://data.ntpep.org).
- 3) **1:50PM-2:00PM: Review of how to access data in DataMine for this specific Technical Committee**
  - a) To access information on DataMine, please sign up on [data.ntpep.org](http://data.ntpep.org) and select the committees you are interested in viewing data for.
- 4) **2:00PM-2:20PM: Review of Revised Workplan with Discussion**
  - a) ASTM C 78 will replace ASTM C 1609. ASTM C 1609 will become optional to manufacturer.
  - b) Fingerprinting test: ASTM E 1252 was proposed to be added to ensure product consistency
  - c) Other fingerprint tests C114 was suggested by Clockspring.
  - d) Florida DOT suggested use of thermogravimetric test for finger printing. Will send additional information after meeting.
  - e) **Action Item: Work Plan changes will be formally balloted to the committee soon.**



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- 5) **2:20PM-2:35PM: Update – SAPL Pooled Funded Research Project**
- a) **Study Number: TPF-5(356)**
  - b) **Goal is to develop structural design methodology for SAPL. The full structural capacity of SAPL material renewed fully deteriorated culvert is unknown. ASTM F 1216 (Appendix X1) for CIPP is currently used.**
  - c) **There is currently no standard procedure for SAPL installation which can cause issues with performance or defects.**
  - d) **Seven DOT members participating**
  - e) **\*\*\*\*\*insert task list and methodology chart from Dr. Najafi's presentation\*\*\*\*\***
  - f) **Preliminary results: Polymer SAPL improved load carrying capacity for all thickness.**
  - g) **Performance specifications:**
    - i) **Polymeric – relatively low thickness needed to provide structural support; flexible behavior**
    - ii) **Cementitious – relatively high thickness needed to provide structural support; rigid behavior**
  - h) **December 2020 due date for final results but could be delayed due to COVID**
- 6) **2:35PM-2:50PM: New Business Items/Industry Discussions**
- 7) **2:50PM-3:00PM: Open Discussion**

