



## ADVISORY BOARD MEETING

Westin Hotel, Detroit Metro Airport  
November 5<sup>th</sup>, 2019  
10:00 a.m.

**Presiding:** John Rathbun (in place of Jim Moulthrop)

**Present:** *Board Members:* Bucky Brooks, Don Brooks, Colin Durante, Rex Eberly, Kevin Lang

*Center Personnel:* Judith Corley-Lay, Neal Galehouse, Patte Hahn

1. **Welcome and Introductions**

The meeting began at 9:53 a.m. with the John Rathbun recognizing the participation of the Advisory Board and extending his appreciation to all the members present for their attendance.

2. **NCPP Outreach Efforts**

Judith Corley-Lay commented that outreach continues to be the largest mission of the center and discussed a few presentations made by NCPP during the 2019 TSP•2 Pavement Preservation Partnership meetings including:

- “Many Roads to Preservation” made at the NEPPP
- “Pavement Preservation Champions: at the RMWPPP
- “Pavement Preservation Research Roadmap” made at the MPPP and RMWPPP
- Updates on the PPETG and the Emulsion Task Force (ETF)
- Presentations on Pavement Preservation Certification

Total participation in the Partnership meetings for 2019 was approximately 550 for the Pavement Partnerships and 790 for the Bridge Partnerships. Part of the difference is explained by the large number of National Industry Members that participate on the bridge side (42 vs. 18 in pavement). Each National Member is allowed 1 exhibit space at the meeting with 2 paid registrations.

NCPP’s viewership on YouTube continues to see substantial improvement. The number of subscribers has increased from 126 to 326, and total watch time has more than doubled from 27,000 minutes in 2016 to 56,000 minutes in the first 10 months of this year.

The Triennial review of TSP•2 is now conducted by the AASHTO Maintenance Committee (MaC) rather than the Standing Committee on Highways (SCOH). The Triennial review of TSP•2 was considered this year at the MaC meeting in Grand Rapids, Michigan. Following submission of a written report and a presentation by NCPP during the meeting, the continuation of the program was balloted and approved for another three years.

The ETF has been successful in developing Materials Specs and processes for Pavement Preservation activities. There is some outreach funding being requested by the ETF through NCHRP. If granted, this should be made available during the next year.

The Florida Pavement Preservation Council (FPPC) has a new Coordinator, Chris Evers has taken over the role from Todd Buckles. The coordinator is responsible for promoting training classes, arranging training locations, and encouraging contacts to sign up. Another change within the FPPC group is that Jon Rice has retired as the Local Agency Outreach Coordinator and Larry Galehouse has stepped in to fill that role. Going forward, the group will continue to conduct training courses and is in the process of updating the FPPC webpage to make technical resources easily accessible to local agencies.

Neal Galehouse wrote an article for the current issue of the Pavement Preservation Journal about the creation of a local agency membership category for TSP•2. This article has also been shared with NACE and the National LTAP in an effort to increase local participation. Local agency participation at the Pavement Preservation Partnership meetings has typically been a couple agencies from the host state, but it is difficult to get continuing participation or participation at out-of-state meetings. Judith Corley-Lay is writing an article for the spring issue of the Pavement Preservation Journal on the pavement preservation research roadmap and will be preparing a future article about building a pavement preservation culture.

**3. NCPP Teaching Efforts**

Larry Galehouse provided training and certification testing for a group of about 25 employees from Nova Scotia TIR this summer and Judith-Corley provided a workshop on using PMS data to make pavement decisions for the New York Highway School.

Ed Welch, Pete Weykamp, and John Hooks have been teaching Bridge Preservation Training to local agencies including a class this year to local agencies in Alabama.

**4. NCPP Research Efforts**

Neal Galehouse reported that NCPP has completed an update of the existing checklists from the FHWA Pavement Preservation Checklist series and the

creation of 8 new checklists under the EDC-4 How initiative. The old checklists were a printed handout, the new checklists will be incorporated into a mobile app and supplemented with short video clips on each treatment by the end of the year. In addition, Larry Galehouse and Larry Scofield facilitated several peer exchanges. A survey of the states done under the existing FHWA peer exchange model did not yield a good fit between leading states and learning states. As a result, a peer exchange was done at each of the 4 TSP2 Pavement Preservation Partnership meetings to find out what treatments states wanted to learn about. Subsequently, 10 state-to-state peer exchanges were held in the fall of 2018 and spring of 2019. A total of 37 states participated in the state-to-state exchanges which was far in excess of the 20 states that would've been included under the FHWA model. Some of the high-value information from these peer exchanges will be developed into FHWA Tech Briefs. One of the takeaways from the peer exchanges was a comprehensive "Knowledge Book" that is being developed by MnDOT. One is for asphalt and one for concrete. The agency hires someone to sit down with subject matter experts prior to retirement and gather key information they've learned from their time on the job and enter it into a comprehensive knowledge book. This book is posted on the agency website and available for remaining employees to look at and learn from.

Judith Corley-Lay reported that NCPP completed an update to the Pavement Preservation Research Roadmap which was originally developed in 2008. After 10 years an update was needed as the landscape has changed due to MAP-21 and the FAST Act which has moved agencies towards an asset management focus. FHWA decided against funding travel so a series of 7 conference calls were held with invitees from state and local agencies, consultants, academia, industry and FHWA. The roadmap covers 6 umbrella topics:

- Asset Management, Pavement Management, and Pavement Preservation
- Treatment Design
- Materials
- Treatment Application and Contracting
- Performance
- Benefits

From these umbrella topics a total of 37 abbreviated research needs statements and 9 synthesis statements were created. Going forward, a roadmap caretaker has been recommended who would:

- Identify ongoing research at least 2 times per year
- Link research to roadmap
- Assign reviewers for projects
- Modify roadmap as appropriate
- Report annually to FHWA and PPETG

Following the completion of the project, NCPP will be working to focus the Research Task Groups of the various Pavement Preservation Partnerships towards developing problem statements from the needs identified by the project.

NCPP is also doing a research project for Michigan DOT on Accelerated Bridge Preservation. The goal is a methodology to consider both lifecycle cost analysis and user impacts in determining bridge treatments. Two surveys were used in developing the products of the project. The first survey is a national survey of the types of treatments done, how long they last, how long they take to construct, and processes or products used to speed up preservation. The second survey is a survey of Michigan DOT Bridge Managers and their reactions to the National Survey. The resulting product from this project is an Excel based tool that calculates the Bridge Activity Cost (BAC) and User Delay Cost (UDC). This project should be completed in the spring of 2020.

**5. AASHTO TSP•2 Pavement Preservation Treatment Certification Report**

Judith Corley-Lay briefed the Board on progress of the TSP•2 certification program over the past year. As of July 2019, exactly 700 exams have been given with 473 certifications issued. Cumulative pass rates have increased by 3.5% for agencies over the past year and 1.2% for contactors.

Nevada DOT was the first state to require certification for both agency and contractor employees but is not currently following that requirement. Rex Eberly expressed concern that not enough agencies are adopting certification requirements. His belief is that agencies need to start adopting certification or the program will die. It was agencies that asked for the creation of a certification program and it has largely been industry that has been buying into the program and taking the exams, the agencies need to get it going. Need to approach certification as the agency and contractor community coming together and doing this in partnership.

Neal Galehouse stated that current participation in the individual certification is probably around a 60/40 split industry to agency although agencies have not fully adopted certification. There are several agencies who have taken certification exams as a group such as Indiana, Tennessee, and Nova Scotia but agencies have yet to adopt certification requirements for the contractor.

Neal Galehouse has had conversations with several agencies who are trying to implement certification, including one with whom NCPP is having a conference call this coming Thursday. Some agencies have mentioned they have an issue getting the Construction Office on board, since it is Construction who maintains the Specifications for the Agency, while others say the issue is getting funding allocated for certifying their employees. There continues to be interest among agencies in certifying although getting them through their internal process has been very slow.

6. **MPPP Data Task Force**

Judith Corley-Lay discussed a project being led by Francis Todey of Iowa DOT to develop a database covering quantity and costs for the various preservation treatments. Currently, treatments are submitted in an excel spreadsheet and are provided in various units which makes comparisons and trends difficult to obtain. Neal Galehouse and Dennis Tang at NCPP are developing the database for the Task Force. The user will select a treatment from the list and input the number of lane miles and lane width as well as cost. The system can convert between square yard, square foot as well as converting between English and Metric, and US Dollars and Canadian Dollars. Reports can be provided using several different units. This is an effort to come to a standardized value and make comparisons easier. A beta test of the database will be sent to Task Force Members in November, final edits should be completed by February, and the database should begin accepting data for the next data cycle in March 2020.

Colin Durante commented that a previous effort to collect this data was made through the AASHTO APEL, but the group found that states did not want to use the APEL system to submit data. There was an effort made to work with AASHTO on this. He stated that industry would be very interested in viewing the information contained in the database once it is finished.

Kevin Lang mentioned that the resulting database from the MPPP Data Task Force might also be of interest to NACE. The NCPP could make a video of it to distribute to NACE and/or send it to the NACE Preservation Committee.

7. **Finances**

Patte Hahn presented the FY 2019 actual income and expenses to the Board and an estimated budget for FY 2020. There was a slight increase in total revenue for FY 2019 due to increased research. For FY 2020, the research projects will be wrapping up, and as a result effort will be made to increase participation on certification exams, contractor company certification, training, and other outreach revenue sources.

8. **Advisory Board Vacancies**

Judith Corley-Lay stated there are two state DOT vacancies on the board that need to be filled as well as no active representative from FHWA. Bill Hoffman of Nevada DOT and Kirk Steudle of Michigan DOT have both retired. FHWA has not participated for the past 3 or 4 years.

Several names were mentioned from various agencies for consideration by the group. Judith Corley-Lay asked about the possibility of having one position filled by someone with a bridge background since participation in the TSP2 Bridge Partnerships continues to be very strong. The Board indicated they were open to the possibility of a bridge representative. The Board decided to have Judith Corley-Lay prepare a short bio for each of the possible candidates and send them out for review.

**9. Other Topics**

Colin Durante mentioned the cost of deploying new technology. Many states ask for a demonstration of the product, which can get expensive when considering the time involved as well as the cost of mobilization and material cost. States should look at what others have already done before asking for demonstrations. Rex Eberly stated that webinars are an excellent way to get the word out.

**10. Adjournment**

The meeting was adjourned at 2:20 pm.