



ADVISORY BOARD MEETING

Henry Center, Michigan State University
October 17, 2017
8:30 a.m.

Presiding: *Chairman:* Jim Moulthrop.

Present: *Board Members:* Richie Beyer, Paul Degges, Colin Durante, Venkatesh Kodur.

Center Personnel: Judith Corley-Lay, Larry Galehouse, Neal Galehouse, Patte Hahn, Dennis Tang.

Visitors: Brian Price (Crafco), Rick Reynolds (Asphalt Materials, Inc.).

1. Welcome and Introductions

The meeting began at 8:30 a.m. with the Chairman, Jim Moulthrop (FP² Inc.), recognizing the participation of the Advisory Board and extending his appreciation to all the members present for their attendance.

Attendees then introduced themselves and stated their affiliations.

2. Approval of Agenda

Jim Moulthrop invited the Board to review the meeting agenda and suggest any modifications. There were no modifications and the agenda was adopted without modification.

3. Year in Review

Judith Corley-Lay presented a year in review at the National Center for Pavement Preservation. There have been a number of personnel changes at NCPP over the past year. Larry Galehouse stepped down as Director after 14 years in the position and Judith Corley-Lay was named the new Director on April 3, 2017. Larry will remain with the Center in a part-time role. Other changes to NCPP staff in the past year include a new accountant, videographer, and administrative assistant.

For the current year 47 states provided voluntary contributions to the TSP•2 program. With a new videographer, Zach Trost, who is skilled at photography, there has been an effort to capture a photo collage of each partnership meeting to

put out to others in the preservation community through the website, Facebook page, etc.

Ideas being shared with the partnerships include:

- Developing small research ideas and submitting them to TSP•2 for possible funding.
- Holding a midyear call for each partnership that includes all members, not just the directors. The midyear call for the Northeast Pavement Preservation Partnership (NEPPP), scheduled for November, has almost 50 people signed up so far.
- Have task group chairs report at the monthly director's call to ensure that activities are moving forward.

Last year, the TSP•2 Oversight Panel approved the updating of the Research Roadmap. John O' Doherty is currently updating the Research Roadmap for pavement projects while John Hooks is updating the Research Roadmap for bridge projects.

Colin Durante expressed interest in having TSP•2 provide information about who is attending the partnership meeting from agencies and what value industry receives from attending the partnership meetings.

Venkatesh Kodur would like to continue to bring NCPP and the Civil Engineering Department closer together. NCPP brings visibility for the Department. University wide there is a focus for Centers to be research oriented. He would also like to bring NCPP expertise to students through increased interaction such as classroom lectures. If there are new research initiatives in the Department with autonomous vehicles, such as vehicle pavement interaction, the Department would like to have NCPP involved in it.

4. **Administration of AASHTO's TSP•2**

(a) **Pavement Preservation Program**

Larry Galehouse reported that the National Pavement Preservation Conference was held in Nashville last October and was a great success. Attendance for the event was over 700. Planning for the 2020 meeting should begin within the next year. Nashville has hosted the last two National Conferences and the initial reason for choosing this location is that Tennessee is in close proximity to a number of other states. Nashville can be reached by about 70% of the population within a one day drive. Some considerations for future meetings include the cost of hosting the event. Hotels in Nashville continue to get more expensive and there is uncertainty whether the costs will price the meeting out of Nashville in the future. Another issue is pulling together demonstrations which is difficult and takes a tremendous time commitment. For the 2016 meeting, Gene Arnold of Ergon volunteered to do this, but we may not be able to have the same people continue to volunteer for this much work at the next national

meeting. Finally, it may be beneficial to move the national meeting off an election year so that states don't have travel restricted due to the politics of an election year.

Richie Beyer commented that it would be beneficial if NCPP were to get the meeting dates out sooner for the following year. Travel budgets and schedules for some agencies are set well in advance and putting notice out around December/January may be too late. For his agency, Richie would like to have dates by July. Going forward NCPP will attempt to identify the location and the approximate month of the meeting as early as possible.

Larry Galehouse talked briefly about the PPRS coming up in Nice, France in March 2018. We have granted use of the NCPP logo in promoting the event but are not providing financial support. Larry and Jim Moulthrop are on the planning committee for this conference. Jim Moulthrop added that Europe has a little different view of preservation and addresses things differently. There is a skew lately from the planning committee to talk about autonomous vehicles at the conference. Since the meeting is six months away, it's uncertain how well this meeting will come together or if NCPP or FP² will attend the conference.

(b) Bridge Preservation Program

Judith Corley-Lay provided an update to the Bridge Preservation Partnerships. The bridge program is preparing for the 2018 National Bridge Preservation Conference in Orlando next April. The theme of the conference will be "Practices We Can't Afford Not to Do Now". The conference expects to attract 600+ attendees and more than 50 exhibitors. For the national meeting, we would love to see case studies from industry and agencies.

The partnerships have a number of task groups working to address specific issues such as social media, research, and coatings. The partnerships also have excellent working relationships with the Subcommittee on Maintenance (SCOM) task group and as a result are able to have their research needs feed to SCOM with good consensus as to priority.

5. Administration of AASHTO's Equipment Management TSP

Judith Corley-Lay discussed the activities of EMTSP over the past year. The EMTSP has been very successful in getting research funded over the past few years, due in part to their continuous work at SCOM to develop well thought out research problem statements.

The EMTSP also received approval of its triennial review by Standing Committee on Highways (SCOH) this past May. There were no questions or changes to the scope of the program.

Neal Galehouse stated that EMTSP has continued development of a web-based training program this year. The NCPP has been contracted to develop the technical content for these courses on behalf of EMTSP. The first web-based training course *Preventive Maintenance Concepts* was completed in late 2016 and turned over to AASHTO Transportation Curriculum Coordination Council (TC3) in early 2017 for hosting on the TC3 site. A signed MOU between EMTSP and TC3 allows the course to be offered free of charge to state employees regardless of whether their state contributes to TC3 Technical Service Program. The use of a government email address should grant access to the course. The second web-based training course on benchmarking has been developed and is under final review by EMTSP. This course should be available on the TC3 website in early 2018. The third web-based training course has recently been selected and NCPP will begin content development this fall.

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

Neal Galehouse briefed the Board on progress of the TSP•2 certification program over the past year. The TSP•2 Oversight Panel approved certification in April 2016. Since that time separate exams have been developed for agency employees and contractor employees on chip seals, slurry systems, and crack treatments (a total of 6 exams). The exams cover project selection, materials, design, equipment, construction practices, and quality assurance.

To date over 400 exams have been given, with approximately 280 examinees passing which corresponds to a pass rate of approximately 70%. Examinees who pass receive a certification card good for 3 years and their name is entered into a searchable database on the TSP•2 website.

The NCPP is undertaking a number of initiatives to increase awareness about the certification program including presentations at meetings and conferences, a certification webinar to be held in the Fall of 2017, an article in the upcoming Pavement Preservation Journal, and through social media.

Examinees can sign up to take exams at the examinee's facilities, at TSP•2 partnership meetings, at the ISSA Slurry Systems Workshop, or at testing centers associated with the National College Testing Association (NCTA).

Paul Degges commented that for a number of agencies there are a limited number of employees to handle oversight of all the projects going on. The "A-team" inspectors will typically be sent to the high dollar projects. Most other inspectors are maintenance workers and cover these low dollar projects on the side and may not have much familiarity with the treatment.

Jim Moulthrop asked why the scores on the crack treatments exam are lower than chip seal and slurry systems (average score of approximately 50%)? Larry Galehouse and Judith Corley-Lay responded that people were not spending

sufficient time reviewing the material and it seemed a lot of test takers didn't believe that there was much involved in placing a crack treatment. Brian Price stated that he was not surprised by the results and runs into this issue with a number of groups that perform crack sealing and crack filling. He feels that there is a need to improve the competency of those performing crack treatments and those who inspect it.

Larry Galehouse mentioned that University of Nevada-Reno wants to develop a regional certification program. We are trying to keep the focus of the preservation community on the fact that our certification is the AASHTO approved certification. Paul Degges commented that states should look at their own needs as an add-on to certification, over and above a national certification initiative. A lot of states are going to on-call consultants for inspection and there is likely an opportunity to reach out to them through the American Council of Engineering Companies (ACEC). Colin Durante stated that as the agencies begin to have good inspectors, the contractors will begin to fall into place because it becomes more cumbersome not to have highly competent employees.

7. **Bridge Product Database**

Dennis Tang briefed the Board on the development of a bridge product database and provided a brief demonstration of its capabilities. The Bridge Product Database initiative grew out of needs identification by the TSP•2 Bridge Partnerships. It allows states to see who is using various products and then states can communicate with each other for more information. The design of the database has been completed and states are beginning to populate it with deck sealers. Future bridge preservation treatments will follow. The database is not intended to compete with AASHTO Product Evaluation List (APEL). Colin Durante pointed out that APEL only covers new products while existing products fall under a separate AASHTO database. A task force was assembled to address this issue but ultimately was dissolved because they weren't successful in getting a comprehensive AASHTO product database.

8. **Other Planning Activities**

Patte Hahn reported on other planning activities NCPP has undertaken in the past year. One new activity is planning for the International Intelligent Construction Technologies Group (IICTG). This group alternates between meeting in the United States and meeting overseas. This year the meeting was held in the United States and next year the meeting will be in China. When the meetings are in the United States, the NCPP will do the meeting planning for the conference. Another new activity is planning for a pooled fund study led by Dave Huft of South Dakota DOT. This pooled fund meets twice per year, one meeting is held independently and the other is in conjunction with the Road Profilers User Group (RPUG) which is also planned by NCPP.

9. Research Efforts

Larry Galehouse reported that Iowa State was awarded the EDC-4: How contract by FHWA, to which NCPP is a subcontractor. For this project there are a number of peer exchanges planned to discuss different preservation treatments. For each peer exchange there is one lead state and up to four exploring states. The goal of this is to get states to start using treatments they have not used in the past. We would like to have these peer exchanges as an add-on to the 2018 TSP•2 Partnership Meetings with FHWA paying for the extra day after the meeting. This will be discussed with FHWA during the next conference call.

Judith Corley-Lay presented other research efforts undertaken in the past year. NCPP was established with three core functions: outreach, education, and research. In addition to the EDC-4 contract, NCPP was awarded a contract with Michigan DOT on Accelerated Bridge Preservation. The NCPP was successful on 2 proposals out of 7 total proposals developed and placed 2nd on three of the unsuccessful proposals and 3rd on another.

Paul Degges cautioned that if NCPP begins to put more effort into the research area, there may be issues with meeting expectations of AASHTO on outreach initiatives for the states.

Larry Galehouse commented on the growth that NCPP has had over the years, from one employee in the beginning to over 14 employees and 3 students today. There are space issues in the current location and NCPP doesn't have the ability to grow any more with the current space. Larry Galehouse informed Venkatesh Kodur that the Highway Traffic Safety group occupies two offices and a large storage room in the building that are significantly underutilized. Their space is only occupied for few hours each week and they do not perform any research. NCPP currently has two research projects and doesn't have the office space to handle more. Venkatesh Kodur stated that he will continue to look into the space issue.

Jim Moulthrop commented that NCPP shouldn't be performing research for the sake of doing research. There needs to be a good fit between the topic of the research and the focus of NCPP.

10. Finances

Judith Corley-Lay presented the FY 2017 actual income and expenses to the Board and an estimated budget for FY 2018. Larry Galehouse commented that the AASHTO contract is still not signed even though it was submitted to AASHTO in early July. Patte Hahn stated that Gummada Murthy at AASHTO has been made aware of the problem and is working to get it signed.

Colin Durante commented on the Gifts line item for the Preservation Councils. The intent of this gift account is for the funds to be used for training. The money in the account can supplement shortages in providing training for the local

agencies. For example, if a training is scheduled that requires 40 people to break even and only 10 sign up, the balance should come from the gift account to cover NCPP's cost for holding the training.

11. Looking Forward

Judith Corley-Lay presented future efforts and direction of the center. One was to increase involvement of local agencies in preservation. The NCPP already offers preservation councils in Florida, Georgia, and South Carolina as well as NCPP in-person training courses. Local agencies often voice interest in training but getting them to sign up when it is offered is sometimes challenging. In the past few months Judith has spoken at the Michigan Asset Management Conference and at the APWA Roads and Equipment Meeting. A couple of ideas to increase local participation may be for the partnerships to sponsor a scholarship for LTAP coordinators or create a special class of membership for LTAP centers at a lower cost. NCPP will try to reach out to LTAP Centers including Michigan, Idaho, North Carolina, Nevada, Indiana, and North Dakota. Richie Beyer suggested that NCPP try to talk to the LTAPs at a national level. There is a national president of the LTAP groups and they hold a board meeting at NACE each year.

Judith Corley-Lay stated that NCPP will need to develop a new strategic plan in 2018. The focus will remain on the "three legged stool" of research, outreach, and education. Judith would like to have periodic conference calls with advisory board members during the upcoming year to discuss updates to the strategic plan and have advisory board members on one of three workgroups (research, outreach, and education) to review and comment on the draft plan.

Finally, Judith asked if the Advisory Board would be interested in meeting in conjunction with one of the Partnership Meetings in 2018 instead of meeting in East Lansing. No one from the Board expressed opposition to trying it that way. Jim Moulthrop asked NCPP to look at the industry calendar before selecting a date for the 2018 Pavement Partnership Meetings to try and avoid scheduling a meeting in conflict with a major industry or association meeting.

12. Advisory Board Vacancy

Richie Beyer informed the Board that he will need to resign his seat following this year's meeting due to some new job requirements. He thanked the Board and NCPP for their work and dedication to the preservation field. He will be working with NACE to identify a replacement who is involved in preservation.

13. Other Topics

There were no other topics for discussion.

14. Adjournment

The meeting was adjourned at 3:15pm.