

Minutes

Expert Task Group on Pavement Preservation

Saratoga Springs, New York
Gideon Putnam Resort and Conference Center
Wednesday, September 15, 2004

Introductions and Welcome

The meeting began at 8:12 am after which the agenda was reviewed and approved (See attachment 1).

Mr. Jim Sorenson, the Expert Task Group on Pavement Preservation (ETG) Co-Chair, welcomed the committee members and guests and thanked them for their attendance. See participant list (Attachment 2).

Mr. Sorenson then sought approval of the February 24, 2004 Meeting Minutes and in the absence of any changes, the minutes were approved.

Five Year Strategic Plan Task Force Reports:

Mr. Dennis Jackson, ETG Co-Chair, having outlined the strategic plan updated in San Diego, California during the February 2004 meeting (Attachment 3), called for the presentation of task force reports.

Pavement Preservation Acceptance & Implementation. Mr. Jerry Geib of the Minnesota DOT provided a handout (Attachment 4) that highlighted the various accomplishments of the committee during the last six months.

The first short term goal was to provide input and support for development of a Pavement Preservation Technical Advisory. The Transportation System Preservation (TSP) Team had drafted an FHWA Guidance Memo/Technical Bullet and a Policy Memo and is now obtaining signatures.

The second short term goal was to establish a Pavement Preservation library, housed at the National Center for Pavement Preservation (NCPPE), Foundation for Pavement Preservation (FP2), and the Federal Highway Administration (FHWA). The team considered the three sites and concluded that the NCPPE should be the principal repository, providing a one-stop shopping site for “best of the best”, hard-to-find documents. One of the ETG’s functions should be to notify and assist the NCPPE of new information that should be placed in the library.

The third short term goal was to develop ideas for and scope training courses (certification level) and curricula with the Transportation Curriculum Coordination Council (TCCC). While acknowledging a need for contractor certification, the committee felt this was more of a long term goal as substantial time and effort will be

needed to get the program going. The committee also felt that the results of the NCHRP 20-07 survey would help define the needs of training versus certification. It was noted that the development of any training or certification program takes money and a funding source would need to be identified.

Research Programs

Ms. Janice Williams of the Louisiana DOT reported that the ETG Task Force on Research Programs had the short term goals of working to support and promote NCHRP 20-7 (Task 184) and NCHRP 14-14 and provide NCPP with technical advice in their research efforts. The task force has been working with Mr. David Peshkin of Applied Pavement Technologies (APT) on the two NCHRP projects and the NCPP has not requested any assistance from the ETG Task Force on Research Programs.

Integration of Pavement Preservation into Pavement Management Systems

David Peshkin of APT reported that the NCHRP 14-14 project is about the optimal timing of preventive maintenance, and the topic of implementation was not addressed. Although the project is finished, the report is not expected to be published until this fall. Mr. Sorenson indicated that FHWA will be able provide funding to create a workshop, but not to deliver it. When this project is complete, the ETG Research committee should facilitate its implementation through NCHRP. Mr. Sorenson, Ms. Williams, and Mr. Franco volunteered to write a letter to NCHRP seeking funding to supplement implementation and delivery of the project's findings.

Mr. Peshkin reported that the NCHRP 20-7 (Task 184) project is to identify research needs for Pavement Preservation. A draft report will be ready in about one month and the project is expected to be finished in about a year. Mr. Peshkin is awaiting the completion of surveys and expects to receive at least 40 responses. Mr. Vance of the Mississippi DOT and AASHTO Subcommittee on Maintenance volunteered to send an E-mail reminder to state maintenance engineers asking them to complete the survey. Mr. Peshkin will provide Mr. Vance with a list of non-responders so the appropriate people can be targeted. Mr. Franco of the Rhode Island DOT will assist Mr. Vance in obtaining the responses.

Mr. Peshkin reported that there had been no requests to date to deliver the new NHI Course "Integration of Pavement Performance and Pavement Management Systems".

Identify and Address Customer Needs

On behalf of the Customer Needs Task Force, Mr. Gary Hildebrand of Telfer/WFC reported that the committee had not accomplished much in the last six months. Mr. Sorenson recommended that the committee, at its working group meeting, should set a goal to do a survey. Mr. Bill O'Leary of Prime Materials and Supply Co. felt that a survey was an important first step. He volunteered to assist the task force in this effort. It was also noted that while funding is needed to do surveys, none had yet been identified.

Support Pavement Preservation Centers, Regional, and State Organizations

Ms. Lita Davis of San Diego County reported that the task force had completed their task of reviewing the three premier pavement preservation websites (NCPPI, FP2, and FHWA) and had generated improvement recommendations which they had sent to the NCPPI several weeks ago. Mr. Larry Galehouse of the NCPPI acknowledged receiving the recommendations and said that the review was very well done and appreciated. The NCPPI had implemented most of the items identified by the committee. After completing the FHWA web site review, the task force will forward the results to Mr. Chris Newman of the FHWA for implementation. The FP2 web site was being totally redesigned and any suggestions or reviews should be forwarded to Mr. Jim Moulthrop at Fugro Consultants, LP.

Interrelationships Between FP2, PP ETG, and NCPPI:

Mr. Sorenson discussed the history of the PP ETG and explained that it was formed to provide technical support to the FHWA which lacks staff or expertise in the areas of Research, Maintenance, and Materials. The FP2 was formed by ARRA, AEMA, and ISSA to provide assistance to the industry. Although the FHWA and the FP2 partnered in many preservation activities, there was still a bigger need for research coordination and technical support, prompting formation of the NCPPI. In its capacity as an operating arm for public agencies, the NCPPI is well suited to perform pooled fund studies. The three groups are independent organizations. The PP ETG is comprised of approximately 33% industry members, 33% state members, and several federal employees. The ETG has been the workforce on tasks from the FP2 and our own working groups. During March 2004, a meeting was held in Dallas, Texas to help define clearer responsibilities and roles for each group. Mr. Sorenson felt comfortable that the meeting demonstrated that all three groups are needed.

Mr. Denny Jackson provided an overview of the Dallas meeting from his perspective. He felt that the FP2 was originally formed to do research, but that now their role had evolved away from research to education and marketing. He believed NCPPI was ideally suited to do research and its associated marketing. He also felt that the ETG had a responsibility to use their areas of influence in overseeing the general pavement preservation effort rather than duplicating the efforts of the NCPPI or FP2.

Mr. Sorenson asked Mr. Gerry Geib to prepare a document clarifying the roles and working relationships between the ETG, NCPPI, and FP2. Mr. Sorenson then volunteered to arrange for FHWA to distribute the document.

Old Business:

Activities Update

1. GSB-88 – Jerry Geib, Minnesota DOT

Mr. Geib presented an overview of the \$400,000 project of which 20% was being sponsored by FP2.

2. NCHRP 35-02 Chip Seal Best Practices Synthesis Report Update – Larry Galehouse, NCPP and Lita Davis, County of San Diego

Mr. Galehouse reported that the surveys were now complete and two draft versions of the report had been reviewed. The committee was awaiting comments from the 20-5 oversight panel. After being reviewed by the TRB, the final draft is expected to be published in January 2005. Mr. Galehouse also stated that the Pavement Research Committee had submitted a Chip Seal Research proposal to AASHTO for research funding in the Spring. It was generally acknowledged that most Pavement Preservation Research fails to obtain AASHTO funding. Mr. O’Leary suggested using the same problem statement that was submitted to AASHTO as the basis of a pooled fund study.

3. Caltrans Task Group on Pavement Preservation (PPTG) Update (Attachment 5) – Shakir Shatnawi, Caltrans and Gary Hildebrand, Telfer/WFC

Mr. Shatnawi explained that the PPTG provides a forum to foster coordination and continuous improvement in pavement preservation in California. Caltrans and Industry each provides representatives for a balanced group. Meeting monthly, the task group serves mainly in an advisory role and does some work associated with specifications, guidelines, and policy changes. Mr. Hildebrand stated that industry is very enthusiastic about the group, knowing that input is afforded to all companies, large and small. Mr. Shatnawi observed that with dedicated support from Caltrans, the group provides a forum for change and is now seeking innovative ideas.

4. MTAG Guide – James Sorenson, FHWA

Mr. Sorenson described this as a maintenance technical advisory containing technical guidelines covering project selection, design, construction, troubleshooting, and project acceptance of pavement preservation treatments for CALTRANS personnel. This excellent document has a CD and web site:

<http://www.dot.ca.gov/hq/maint/roadway.htm> FHWA is arranging the transfer of this information to a computer based training tool. The information was shared at the June TCCC meeting. The TCCC and FHWA are reviewing ways to develop various training modules using the information in the TAG. In determining the scope of work and how much of the manual to incorporate, they will probably work through the Office of Policy Management (OPM), which will seek contractors with technical competence in the area. NHI is assembling distance learning design standards and wants to finalize that work before we proceed. The PP ETG has been asked to provide a panel to determine the scope of work and recommend a technical sub-contractor. Mr. Geib, Mr. Shatnawi, and Ms. Davis volunteered to be on this panel.

5. NCPP Status Report – Larry Galehouse, NCPP

Mr. Galehouse presented a Power Point presentation on the activities of the NCPP. The NCPP has performed outreach by developing guidelines and specifications for Colorado DOT and Mississippi DOT; inventoried streets and recommended preventive maintenance treatments for Surprise, Arizona; proposed updating guidelines for General Motors North American Operations; presented the pavement preservation message at eight major conferences; manned preservation booths at four

annual national conferences; and submitted a proposal to be the location for AASHTO's Pavement Preservation Help Desk. The NCPP has also engaged in outreach by providing information to nearly 250,000 visitors to their web pages to date. NCPP has also helped arrange a pooled fund program to help seven Southern States jump-start their efforts to implement pavement preservation programs. The NCPP is now finalizing a 2-day training course for administrators, planners, economists, and engineers interested in learning about network level advantages and benefits of pavement preservation. They have also authored a booklet on pavement preservation tentatively entitled "A Serious Discussion About Our Nation's Highways."

The NCPP has also launched initiatives for pavement preservation partnerships in the Midwest, Southeast, and Northeast. The initial Northeast meeting occurred in Saratoga Springs, New York on September 15, 2004 with good representation from states and industry. The group collectively decided to proceed with establishing a partnership and intend to schedule another meeting near the end of 2004. The Midwestern Partnership's pooled fund has been established and its first official meeting has been scheduled for November 30 and December 1, 2004 in East Lansing, Michigan.

The NCPP will also be hosting the first national workshop on "Roadway Pavement Preservation for Surfaced and Un-surfaced Roads", sponsored by the newly formed TRB Task Force on Pavement Preservation. That task force is soliciting abstracts for the workshop. Abstract information may be obtained by visiting the web site <http://www.TRB/org/Conference/Preservation>. General information on the committee is available from <http://www.pavementpreservation.org/trb/index.php>.

6. Research R&D NCHRP 20-7(184) – David Peshkin, APT

Mr. Peshkin reported earlier on this subject.

7. NCHRP 14-14 – David Peshkin, APT

Mr. Peshkin reported earlier on this subject.

8. Status of Pavement Preservation Training Courses – David Peshkin, APT

Mr. Peshkin gave an update on the newest NHI Training Course on Pavement Preservation. It is titled **Course 4 – NHI 131104, "Pavement Preservation: Integrating Pavement Maintenance with PMS"**. The course is ready for presentation, but as yet, no requests for it have been received. Mr. Sorenson believes it may be beneficial to have the entire ETG Committee take the course, possibly building the next ETG meeting around it. He stated that Mr. Newman may be able to get NHI to waive the course fee. Mr. Jackson asked for a show of hands of those interested in taking the course. More than half were interested. Mr. Newman and Ms. Williams agreed to facilitate a presentation of the class at the next ETG meeting.

9. Pocket Checklists, Todd Thomas, Koch

Mr. Thomas gave a quick overview of the current checklists available and informed the group that a new checklist on Cold In-Place Recycling is going through final review and will then proceed to FHWA for publishing.

10. Glossary of terms for maintenance field workers – John Vance, Mississippi DOT

Mr. Vance updated the group on the status of the glossary. Originally AASHTO and TRB had wanted to include the glossary in their main organizational glossary. Due to some definition differences, the AASHTO Sub Committee on Maintenance (SOM) will now be publishing the glossary instead.

11. Foundation for Pavement Preservation – Bill O’Leary, FPP

Mr. O’Leary presented an overview on the recent changes within FP2. They advertised the position of executive director and manager, a committee reviewed the applications, and Fugro Consultants LP was selected to perform the management services. Fugro has contracted with Mr. Gerry Eller to be the Executive Director. Mr. Eller is a great addition due to his familiarity with FP2 and his previous experience. One of the major tasks Mr. Eller has been assigned is to systematically approach organizations and broaden support for the foundation. Mr. O’Leary’s expectation is for many new and exciting changes from the foundation within the coming year.

The next Foundation board meeting will be held December 13, 2004 in Dallas, Texas. The Foundation will also continue to sponsor their TRB hospitality suite in Washington, DC in January. There will be a news release coming out soon via Tom Kuennen in publications and by E-mail. Mr. Jackson stated that the Foundation will emerge from the shadows even more brilliant than before.

12. ETG Contract – Chris Newman, FHWA

Mr. Newman stated that historically the ETG contract had been for a one-year period. Now, the FHWA contract office has asked that future contracts follow a three to five year time line. At the beginning of the next FHWA fiscal year he will issue a solicitation for a multi-year contract by posting a notice on the Federal Opportunities Business Page. The FHWA is seeking the same support as in previous contracts.

13. FHWA Pavement Preservation Eligibility Paper – Chris Newman, FHWA

Mr. Newman reported that the FHWA is authoring a position paper on pavement preservation activities. The agency, which promotes transportation system preservation as an important foundation for the future Federal-aid highway program, has and will continue to assist states in developing new concepts for improving and successfully implementing cost-effective preservation activities to maintain and preserve the nation’s highway infrastructure. The position paper will be a compilation of several pavement preservation activity papers and will include safety enhancements. The transmittal memo should be ready for signatures in the next week. Following its approval, Mr. Newman will post the paper on the FHWA’s web site and E-mail the ETG Committee with the corresponding link. Mr. Sorenson indicated that technical support will follow the policy memo.

14. TXDOT Chip Seal over Geotextile fabric Project – Lita Davis, County of San Diego

Ms. Davis briefed the committee on the research project which is supported by the FHWA Pavement Preservation International Scanning Tour Implementation effort (<http://international.fhwa.dot.gov/paveprestech/index.htm>). The objective of the project is to assess the extent to which non-woven geotextile fabric underneath chip seal surface treatments reduces reflective cracking and moisture penetration, affects ride quality, and increases pavement life. Ms. Davis and Ms. Emily McGraw of the North Carolina DOT have been involved in this project along with Luis Rodriguez from the FHWA Resource Center. The six test sites will continue to be monitored annually.

Strategic Working Group Plans and Development

The five Strategic Working Groups met to discuss the Revised Strategic Working Group Plans and Development. The revised ETG Work Plan is shown in Attachment 6.

New Business

New York DOT Maintenance and Operations First Initiative Program (Attachment 7) – Ed Denehy, NY DOT

Ed Denehy of New York DOT distributed a maintenance worksheet listing types of infrastructure (e.g. bridges, asphalt pavements, culverts, etc.); maintenance activities (e.g. washing, painting, overlays, crack sealing, etc.); cycle times or frequencies; measurement units (e.g. number of bridge spans, lane-miles, linear feet, etc.). New York uses the worksheet to track maintenance accomplishments by year as the agency pursues a goal of having 100% “State of Good Repair” by 2010.

Pavement Preservation Partnership Concept – Ed Denehy, NY DOT and Larry Galehouse, NCPP

Mr. Denehy reported that the first meeting of the Northeastern Pavement Preservation Partnership (NEPPP) was held on September 14, 2004 in Saratoga Springs, New York. There was general support for the partnership and a consensus to move forward with it. The group clarified their mission, vision, and objectives and intends to meet again in December or February to formalize the process. Mr. Frank Fee of Citgo Asphalt, volunteered to prepare a report on the NEPPP meeting and present it at the next User Producer Group Meeting.

Mr. Galehouse explained that the regional partnership concept provides a forum to publicize and share information in research, design, specifications, materials, and construction practices. It also promotes the benefits of pavement preservation through education and outreach. There is currently a Midwestern Pavement Preservation Partnership (MPPP) established through a pooled fund. MPPP’s first conference is scheduled for November 30 and December 1, 2004 in East Lansing, Michigan. There is also a group forming in the Southeast (SEPPP). This pooled fund solicitation should be posted during the next month.

**Development of a website for pavement preservation research needs statements
(Attachment) – Todd Thomas, Koch and Lita Davis, County of San Diego**

Ms. Davis stated a desire to develop a web-site to capture ideas on pavement preservation research needs. This information could then be submitted to NCHRP or other organizations for research. The web site should be completed toward the end of 2004. Mr. Keith Herbold of the FHWA, had previously recommended including the information on both the FHWA's and NCPP's web sites with a link on the FP2's web site. There was general discussion on what treatments should be included, e.g. should white topping be on the list? It was decided that this discussion would be an appropriate agenda item at the next ETG meeting.

ASCE Survey (Attachment 8) – Lita Davis, County of San Diego

Ms. Davis presented a copy of a survey that had been posted on a Zoomerang site. She felt that the format used would be good for a short survey and may be a desirable template to use for the Customer Needs Committee Pavement Preservation Survey. Mr. O'Leary asked Mr. Galehouse to provide him with a copy of the previously completed state survey. It was decided that the Customer Committee should analyze existing surveys by the next ETG meeting and develop a new survey if needed.

Utilizing dedicated funding for pavement preservation for state and local agencies – Gary Hildebrand, Telfer/WFC

Mr. Hildebrand stated that the use of dedicated funding for pavement preservation is high priority and that Mr. Newman's position paper (discussed earlier) may be just the tool needed to address this problem. Mr. Sorenson stated that while it will not provide additional funding, it would allow states to use their money differently. Several sections in the current reauthorization bill are good for pavement preservation programs. After the bill has been approved, the terminology will need to be clarified with a view to giving the states more flexibility.

AASHTO SOM Resolutions (Attachments 9 & 10) – Jim Sorenson, FHWA

Mr. Sorenson stated that there are currently two AASHTO resolutions regarding pavement preservation.

The first is **Resolution 04-01 – Resolution Regarding the Establishment of a Transportation System Preservation Technical Services Program**. This resolution has been endorsed by AASHTO's Subcommittee on Maintenance (SOM) and would be going to the Standing Committee on Highways (SCOH) next week for a vote. It will provide a technical services program at the NCPP for pavement and bridge preservation.

The second is **Resolution 04-02 – Establish a Public Information Effort to Publicize the Need and Benefit of Protecting and Preserving America's Infrastructure Investment**. This resolution was passed by the SOM and forwarded to the SCOH for a vote.

Recognition Awards for Pavement Preservation Excellence – Jerry Geib, Minnesota DOT

Mr. Geib stated the need to recognize and award good pavement preservation practices through the United States. There are many types of awards presented by many different organizations. Mr. Jim Mack of the American Concrete Paving Association (ACPA) reported that the ACPA

has some awards that would be applicable to preservation and it may be possible to modify the name of the award to enhance the synergy. He promised to discuss this possibility with the Directors of the ACPA. Mr. Galehouse stated his belief that the award should be based on a criterion of longevity. Carlos Rosenberger, Jerry Geib, and Jim Mack volunteered to research award possibilities and report back to the ETG at the next meeting.

Pavement and Shoulder Workbook – Jim Sorenson, FHWA

Mr. Sorenson requested that a working group be formed to review the new Pavement and Shoulder Workbook. Jeff Forester, Janice Williams, and Shakir Shatnawi volunteered to constitute this group.

ETG Members – Jim Sorenson, FHWA

Mr. Sorenson asked for a volunteer to send a note of thanks to Mr. Bill Ballou, FP2 and Mr. O’Leary’s brother thanking them for their service to the ETG. No volunteer was identified.

Upcoming Conferences/Events (Attachment 11)

Next ETG Meeting will be held in conjunction with the ARRA, AEMA, ISSA Annual Meeting the first week of March, 2005 in Bal Harbour, Florida.

The meeting adjourned at 5:34 pm.

Note: Shaded segments denote action items.