Steve Mueller, longtime friend of pavement preservation, retires from FHWA

Dear Mike (and all of the AEMA, ARRA, and ISSA members and staff):

It has been an honor to work with you for the past eleven years, and I want to let you know that I have recently retired from FHWA. Please feel free to share this good news with your members and staff. My wife and I want to see more of the world than I am able to while I am working full time, so it is time to leave while we are both young enough and in good enough health to travel. In the Declaration of Independence, it is written that all Americans have inalienable rights to life, liberty, and the pursuit of happiness — and our happiness will be enhanced by this change, so it is time to leave.

I am very proud of the accomplishments we have all made together to advance pavement preservation and recycling, and I hope that you will agree that we are in a better position today that we were a decade ago. Here are a few of the notable examples in my mind that I’d like to share with you:

You have formed an alliance of members to advance pavement preservation and recycling together, but I remember a time when some of the FDR contractors were considering separating from ARRA. I was glad to be in the room at the first joint meeting of ARRA-AEMA-ISSA on Coronado Island to remind them that “United We Stand, Divided We Fall.” I am very glad they remained a part of ARRA back then, and that now they are a key member in the PPRA!

I also remember asking a large group of notable pavement preservation experts what “CO₂₄” was at a December 2009 meeting, and only two people said they knew. Today, I believe nearly all of us know – and we have been heavily invested in promoting the “green” aspects of preservation and recycling. Jim Sorenson mentored me to always think about both Engineering and Economics as the path towards growing preservation – but by 2009 it was clear that another path – Environmental Stewardship – would also greatly benefit the...
The STV takes the proven technology of the Material Transfer Vehicles (MTV) already used in the Road Construction Industry and applies it to road maintenance. The STV will allow you to make your Truck Mounted Slurry Machines into versatile Continuous or Standard slurry machines. The highly productive STV can work with both the Macropaver® and competitor’s machines.

EMULTECH® EMULSION PLANTS
Grow your business, enhance your versatility and control your quality by making your own emulsions. Emulsion Plants available in sizes producing 8, 16, 25, 40 and 75 tons per hour. Both stationary and mobile plants available. Popular sizes in stock. Call us to discuss your needs.

www.slurry.com // sales@slurry.com // (209) 874-2357
The Transportation Construction Coalition (TCC) held its annual “Fly-in” in Washington, DC this week. The two-day event hosted more than 400 people from the transportation and construction industry. They went to discuss the Highway Trust Fund and the reauthorization of Moving Ahead for Progress in the 21st Century (MAP-21) which expires at the end of September. U.S. Secretary of Transportation Anthony Foxx addressed the group along with a few other high ranking notables on Tuesday and on Wednesday, attendees headed for Capitol Hill to the “Rally for Roads” to encourage legislators to pass a multi-year funding bill before transportation funding runs out. Advocates later had an opportunity speak with their local Congressional Representatives. If you were there, we would love to hear from you and/or share your photographs!

Spanish language versions of the following ISSA Guidelines and Technical Bulletins will soon be available to members electronically as free downloads from www.slurry.org.

Recommended Performance Guideline for Emulsified Asphalt Slurry Seal
A105 Normas de rendimiento recomendadas para slurry seal de asfalto emulsionado (Revisado en febrero de 2010)

Recommended Performance Guideline for Polymer Modified Micro Surfacing
A143 Norma de rendimiento recomendada para micro pavimentación (Revisado en febrero de 2010)

Recommended Performance Guideline for Chip Seal
A165 Norma de rendimiento recomendada para la aplicación de chip seal

Recommended Performance Guideline for Crack Treatment
A175 Norma de rendimiento recomendada para el sellado y rellenado de grietas

Test Method for Wet Track Abrasion of Slurry Surfaces
TB100 Método de ensayo para la abrasión húmeda de sistemas de superficies tipo slurry

Measurement of Slurry Seal Consistency
TB106 Método de ensayo para medir la consistencia de sellador de tipo slurry

Continued on page 4
Notes from Headquarters - Continued from page 3

Trial Mix Procedure for Slurry Design
TB113 Método de ensayo para determinar el tiempo de mezcla para sistemas de superficies tipo slurry

Wet Stripping Test for Cured Slurry Seal Mix
TB114 Método de ensayo para decapado húmedo de mezclas de superficies curadas de tipo slurry

Test Method to Classify Emulsified Asphalt/Aggregate Mixture Systems by Modified Cohesion Tester Measurement of Set and Cure Characteristics
TB139 Método de ensayo para determinar el desarrollo del endurecimiento y curado de sistemas de superficies de tipo slurry mediante un comprobador de cohesión

Test Method for Classification of Aggregate Filler-Bitumen Compatibility by Schulze-Breuer and Ruck Procedures
TB144 Método de ensayo para clasificar la compatibilidad de los materiales de superficies de tipo slurry mediante los procedimientos Schulze-Breuer y Ruck

Test Method for Determination of Methylene Blue Absorption Value (MBV) of Mineral Aggregate Fillers and Fines
TB145 Método de ensayo para determinar el valor de azul de metileno en partículas finas de agregado mineral

The next issue of the AEMA-ARRA-ISSA Newsletter will be distributed in electronic format only. 2014 #3 will be sent via email to AEMA, ARRA and ISSA members as well as others who have subscribed online. As always, the newsletter will be posted on each website. This is currently planned for just one issue. We would love to have your feedback. Do you prefer to do your reading in hardcopy or electronically?

In the trade press:

The US DOT has its own blog titled FASTLANE You will find it here: http://www.dot.gov/blog/fastlane Check it out!

Roads & Bridges – April 2014 – www.RoadsBridges.com In the Pavement Preservation section, an article by contributing author, Scott Shuler, PE, PhD Something Close By, Locally produced chip seals carry long list of benefits. Many roads are located in areas of the world where high-quality construction aggregates are scarce.

Asphalt Contractor – May 2014 – www.ForConstructionPros.com/Asphalt Micro Surfacing Preserves Pavement at TWO National Parks, Effective communication is key for American Pavement Preservation to successfully tackle the unique environments at Lassen Volcanic National Park and Oregon Caves National Monument by Lisa Cleaver, Editor

In the same issue, Lisa Cleaver did a great write-up about the Annual Meeting, and our upcoming meetings. Thanks Lisa!

Jack A. Taylor, Sr.

Jack A. Taylor, Sr., 81, of Ligonier, passed away on Saturday, April 12, 2014 at Westmoreland Manor.

He was born on November 11, 1932, in Arona; a son of the late Aldren A. Taylor and Grace (Shupe) Taylor.

Jack was retired from Kennametal with 35 years of service. Jack Taylor served on the ARRA Board of Directors from 1986-1989, and he held the office of Secretary/Treasurer in 88-89. Jack was awarded Honorary Membership in ARRA in 1996. He was a former member of Ligonier Country Club, Old Colony Sportsmen’s Club and Laughlintown Protective Association. Jack was an avid hunter, shooter, and golfer.

He is survived by three sons, Jack A. Taylor, Jr. and his wife, Jody, of Latrobe, Jay M. Taylor and Jeff C. Taylor, both of Lower Burrell; seven grandchildren, David, Kaitlin, Sara, Stephanie, Jay, Alyssa, and Megan; and the mother of his children, Joy L. Taylor, of Cocoa Beach, FL.

Services and interment were private. Arrangements were handled by the John J. Lopatich Funeral Home, Inc. in Latrobe.

Written in the online guestbook for the Taylor Family by Mike Krissoff

On behalf of the Asphalt Recycling & Reclaiming Association (ARRA), I offer our sincere condolences to the friends and family of Jack Taylor. Jack was a longtime supporter of this organization and we are where we are today in no small part due to his involvement, his leadership, and his passion for our industry. Whether it was in the Board room or on the golf course (or, dare I say, at the bar), Jack was held in high regard by all who had the privilege of knowing and working with him. He was a good friend and we’ll miss him.
PPRA Fall Meeting
November 17 - 19, 2014
Hyatt Regency
Baltimore, Maryland

“Please be sure to forward this information to the agencies and engineering firms with which you work, and/or provide contact info to Headquarters and we will contact them.” See registration information on page 33.
I have been working with strategic planning for almost twenty-five years. During that time I have observed that one of the problems with expectations for the process is an unrealistic understanding of the pace of change in any organization. I believe our culture puts a strong emphasis on a get-rich-quick, instant gratification way of thinking. Strategic planning does not lend itself to this mindset at all. The first step in the process is to have top leadership agree on a direction for the organization. Contrary to common practice, this does not happen very well in a single weekend retreat. At the end of a weekend people will agree to just about anything to get out of the meeting. Real agreement takes reflection, revision, and discussion. Some initial progress can be made in a weekend retreat, but people need time to really embrace new ideas. It is important to get out the meeting and talk to other stakeholders and escape the group think phenomenon that leads to bad decisions in forced march meetings. I think a more realistic time frame for agreement on direction is several weeks or a few months depending on the size of the organization.

The next step is a more challenging task, communicating the vision. Communication of the vision takes a lot longer than most people expect. One of the main problems is that most people in business have built up immunity to the program du jour. So the first few times you talk about the vision most people will probably ignore it and hope it goes away. I have heard several experts say that could take as many as 8 to 10 times before the message is received. To make sure the vision is conveyed repeat often and try different mediums, such as, social media, email, speeches, business cards, banners, posters etc. This phase could take months or years depending on the size of the organization. Obviously, the larger and more diverse the organization the longer it takes to make sure the message is received, believed, and acted upon.

This leads to the last step, actions steps and individual actions. This step can work side by side with the communication process. Action steps or major objectives are the main actions you are undertaking to achieve the vision and mission. In many organizations these would be headed up by one or more of members of the leadership team. These can take months or years to implement. Achievement of these objectives is a major contributor to movement of the organization. But there is a second factor that is just as important as the major action steps and that is the individual actions of the members. This happens when they understand and believe the communication of the vision and take action on their own to move in a consistent direction. When you see this occurring throughout the organization it is an indication that the strategic message is effective. Getting to this level takes years in most businesses.

I wanted to discuss the major steps of the process to lead into where we are in our association. The discussion above applies mostly to businesses and somewhat to volunteer organizations. In a business the owners and leaders have command over resources and most people in the business already have a common stake in the business. It is easier to make things happen and influence people in the new direction. In an association most of the workers are volunteers and the commitment to the association not usually as strong as the commitment to the business. Both of these factors lead me to believe that it will usually take an association longer to move through each of the strategic planning phases. All of this being said, I think we are moving along pretty well, but please be patient as our association moves through these phases.

Over the last several board meetings I think we have good agreement on the general direction of the association. I believe the vision and mission are good and improving every time we meet. During our annual meeting in Florida the whole board began work on the major objectives. We divided the objectives up among several teams. Since the annual meeting these teams have met and provided recommendations. The executive board met in the middle of June to review the progress of each of these teams. We worked on clarifying the objectives and work on action steps. It is also important to review how the objectives work together. We met again with the whole board a few weeks later to discuss the whole process. My hope is to have a very good action plan coming out of our summer board meeting. We will post our information on the secure portion of the AEMA website after our summer board meeting for comments from the membership.

I hope all of you have a productive and safe summer season. As always, I am happy to speak with any member about the strategic planning process or any other concerns about the association.
HEATEC recently introduced a new skid for production of asphalt emulsions. It contains our new Barracuda® colloid mill and related systems. The mill is also available separately.

The Barracuda mill emulsifies a mixture of asphalt, latex and a chemical solution to produce a stable, homogenous material, either cationic or anionic. The mill is heated by hot oil from an external source.

It has the ability to produce 15,000* gallons of emulsified material per hour in a single pass through the mill. It is powered by a 150 hp electric motor. Other sizes will soon be available.

Our engineers thoroughly researched existing mills to find where improvements could be made. Consequently they designed our new mill to overcome known drawbacks of other mills.

The skid has an automated PLC control system with touch screens. The ingredients of the mixture are precisely metered. A conventional Heatec metering package meters the hot liquid asphalt. The asphalt is filtered through a strainer and controlled with an air actuated valve.

The latex and solutions systems are each controlled by an actuated valve and flow meter.

Please call today for more information.

*Barracuda ACM150 mill

*Mill production rates vary, depending on the ingredients used, droplet sizes to be produced, stability achieved and other factors.
I was in the upper peninsula of Michigan last week at an APWA function. On the day of their golf outing I was able to find a small pack of snow still hanging on in the evergreen comprised woods. I’m certain that has to be the last of it, and it was my partner’s ball I was looking for.

I trust your seasons are underway and prosperous, here in the Great Lakes Region it is a bit of a slow start for recyclers and pavers both. Cool and damp have managed to linger, and the back log is piling a bit but that’s all good.

The ARRA/FHWA in place recycling conference is set for Denver this August (5th thru 7th) check the ARRA web site for details or NCPP. It promises to be a good showing and is being aligned with Texas A and M University’s transportation institute (TTI). The gathering last year in Chicago was terrific and this one will be, as well. Next on the business ledger is the upcoming Semi-Annual Meeting known this year as the PPRA Fall Meeting being held in Baltimore, Maryland, November 17th thru the 19th. The alliance betwixt the three groups (ARRA, AEMA, and ISSA) continues to grow, and these joint meetings just continue to make good common sense. Come on over and spend a couple of days.

The third of three reminders of sorts would be the 2015 annual joint meeting in Paris, France. We are calling this one “A World Summit”, and it will be just exactly that. Conferences, workshops and exhibitors will push this one over the top. It’s a big trip and a big deal, so you better step up to the plate right about now. Billy, Ann can come with me if you’re not going. Actually she may want to come with me even if you are going. Seriously give this trip the consideration it deserves.

That’s it for now on upcoming events. However, it wouldn’t be a newsletter of mine without the reminder to do one day ARRA seminars. We have done a couple again here in the Midwest and Darren Coughlin did one out west (Utah). All were time and a little money well spent, these gatherings just continue to move our recycling and pavement preservation ball down the field. Try it one time and you’ll want to keep doing them after that.

I love Economics, I always have and I actually started my professional career as an investment banker. As you look around things appear to be moving along at a decent clip. Stock Market is up, GDP and GNP are at respectable levels M1 is abundant and the cost of same is certainly nowhere near scary inflationary levels. The table is set if you will, and one could easily be lured into a feeling of false security.

Industry specific for our line of work may appear to be a bit less rosy, at least at first blush. The number of agencies that I have talked with over the last year or so seem to be getting less money than they did the previous year. That seems to hold true at DOT, County and Municipal levels, all are being asked to do more with less. This isn’t news or at least it shouldn’t be to anyone in our line of work.

It is a bit of a double edged sword. The negative is that our entire infrastructure nationwide continues to deteriorate at a now alarming rate. The elected officials who could orchestrate funding in the hundreds of billions of dollars neighborhood, appear not get it. What’s not to get? A large and badly needed highway bill both solves a problem and punches a shot of adrenalin into an economy that is not quite completely off the injured reserve list. One has to almost be on the edge of ignorance to not get this.

The flip side of this sword is that as long as agencies are continued to be asked to do more with less, the recycling and preservation industry will simply flourish. Working with what you already own at a reduced cost will become the norm.

So stay your course ladies and gentlemen, we continue to become fashionable a little more each season.

As always, if there is anything I can assist you with, don’t hesitate to call me at any time. If there is a problem or complaint, don’t hesitate to call Krissoff. No, seriously, call me about anything at any time.

Best Regards

Patrick Faster
Two in One: The WR 240i from Wirtgen makes a convincing impression when it comes to soil stabilization and cold recycling. In addition to perfect ergonomics and operation, clever automatic functions and outstanding terrain accessibility, the efficient engine and powerful milling and mixing performance ensure optimal results. You too can benefit from the technology leader’s solutions.
ISSA PRESIDENT’S MESSAGE

Christine Deneuvillers, Colas S.A.

Chers membres de l’ISSA, bonjour.
Comment allez-vous

First of all, I would like to welcome our new employee at ISSA Headquarters, Meredith Kennedy. We are all looking forward to meeting her and we wish her a big success in our business!

Last quarter many things have been carried out.

The new website has been launched (thank you Mike D.!!), with a specific part for members only, so that ISSA members can actually find a value to be part of the family. If you haven’t had a look, please go now!

WBT- phase 2 (spreader box and crack treatment): Larry Tomkins as leader and Mike Krissoff did a very good job with NCPP, which will develop the Web-Based Training courses. The co-ownership is validated with FHWA. Michael Dougherty is bringing and will continue to bring a big support as well. We are confident in those identified and our volunteer SMEs (subject matter experts) Scott Bergkamp (Bergkamp, Inc.) and Jim Chehovits (Crafco). Thanks to their commitment and their huge skills that WBT-2, as is WBT-1, will be a success. The plan is to have it ready by early 2015.

Spanish translation of the most relevant ISSA documents has been led by Bob Jerman, who also carried out a very good job with NCPP and AASHTO regarding technical specifications. ISSA’s voice is and should stay the REFERENCE in the world of surface preservation systems. More than ever, slurry systems have to be efficient and the performance and the quality of the work impeccable. The official documents that are being written by other institutions have to be checked and validated by ISSA.

Eric Reimshiassel is doing a terrific work in the Slurry/Micro Committee, chaired by Rusty Price) to try to find some new methods to measure micro surfacing and slurry seal performance on site. I’m amazed by so much passion for the industry by all the Board members in general.

The 52nd ISSA Annual Convention last February in Florida was a big success, a big thank you to Carter Dabney who was in charge this year (and will be again next year!). A big thanks to the program committee and our staff once again.

More than 300 attendees could share around pavement preservation and it was efficient. We had a very good (and long!) Board meeting too, and the sun was there as well; it helps a lot. The speakers were excellent, with the presentations posted on the ISSA website.

We are already preparing the PPRA Fall meeting in Baltimore; please be sure to talk about it with your colleagues. It will be a good opportunity to share with agencies also. And the 2015 PPRS meeting in Paris is in very good shape. The program is already done, thanks to the good work of the program committee chairmen and ISSA technical representatives (Carter Dabney and Bob Jerman).

The Board members have set up some conference calls (we had two of them these past two months) and the above mentioned topics have been discussed. We are discussing also the possibility of having special fees for some international countries to attract some new members abroad. If you have any thoughts about that or anything else, don’t hesitate to tell us!

Sincères salutations,

Christine Deneuvillers

ISSA Logo Available to Members

The ISSA logo is available for distribution to ISSA members. ISSA Members may find this useful for stationery, advertising graphics, brochures, websites, etc.

To receive the new logo via e-mail, just send a note to ISSA headquarters: krissoff@slurry.org
RoadSaver II

RoadSavers have been performing for contractors around the world since the 1980’s.

The standard of Performance and Reliability!

RoadSaver III G

The first “Green” slurry and micro surfacing machine.
- No Side Engine
- Less Fuel, less maintenance
- Quieter
- Larger payload

RoadSavers are available in several configurations to meet your needs. We offer operational training, service training and on-call customer support. We encourage you to ask current RoadSaver owners about the performance and reliability of their machines and our support system.

Rayner Equipment Systems

1-800-479-9390
Randy 916 826-1007 Cell
Rich 916 997-5082 Cell

www.ROADSAVER.com

Precision Craftsmanship - Unmatched Performance & Reliability
Update of ARRA Technical Director’s Activities

by Stephen A. Cross, ARRA Technical Director

I am about to wrap up my first year as your Technical Director. This has been a very exciting, busy and rewarding year for me. I am looking forward to the summer when I can devote most of my time to ARRA activities. We are making progress on our current initiatives and I hope to have a full plate of activities for our CORE Committees to work on at the Fall PPRA meeting.

We are nearing completion of the Basic Asphalt Recycling Manual or BARM. We have completed the line-by-line review of each chapter and are making one last review to ensure consistency of terminology throughout each chapter and to ensure the latest CORE Committee recommendations are included. After this, we will deliver the document to the publisher. We appreciate everyone’s patience as this has taken more time than originally expected but we believe everyone will be pleased with the final results.

We are currently putting the final touches on our next FHWA/ARRA In-Place Recycling Conference. Check our web page for details. The program is shaping up nicely thanks to the efforts of many, including the Colorado DOT, Asphalt Institute, FHWA and our usual cast of ARRA contractor, supplier and associate members. The conference will be August 5-7 at the Crowne Plaza Denver International Airport Hotel. We have added two new sessions this year to strengthen the conference and broaden the audience. We will have a session where international speakers will discuss their innovative in-place recycling techniques and programs, and the Texas Transportation Institute at Texas A&M University has agreed to team with us to sponsor a workshop session, Revitalizing In-Place Recycling Technologies: Gaps, Barriers and a Path Forward. The workshop session will consist of breakout roundtable discussions on what is keeping agencies from fully embracing in-place recycling and developing a plan to overcome these obstacles. We believe these two sessions will be an exciting edition to the conference. As a result we are looking forward to a national publication from the workshop to get the resulting issues out of the conference to the owner agencies hands.

Thanks to the efforts of our CORE Committees and with the assistance of FHWA, we have developed and revised the pavement preservation checklist series developed by the Foundation of Pavement Preservation and FHWA. We are making copies of these checklists and they are available as pdf downloads on FHWA’s, the National Center for Pavement Preservation’s and our new web page. The citations are listed below.

Full Depth Reclamation Construction Checklist, FHWA-HIF-13-036.

Hot In-Place Asphalt Recycling Application Checklist, Pavement Preservation Checklist Series 11. FHWA-HIF-13-061.

Cold In-Place Asphalt Recycling Application Checklist, Pavement Preservation Checklist Series 12. FHWA-HIF-13-062.

Work continues on development of our construction guidelines series. As these are completed we will begin posting them on the ARRA website. I anticipate having several new drafts for our CORE Committees to review this fall at the PPRA meeting.

On the training front, we assisted the Transportation Curriculum Coordination Council in the development of a training course for inspectors of CIR projects. The completed course is web based and is titled, FHWA-NHI-134114 TCCC Inspector Training for Cold In-Place Recycling (CIR). The course is available on the National Highway Institute’s web page (http://www.nhi.fhwa.dot.gov/training/course) and links can be found at www.tccc.gov. We have the approval to develop two more web based courses this summer on HIR and FDR.

In summary, you should be able to see some of the results of everyone’s hard work on the new ARRA web page with more to come. I hope to see many of you in Denver in August.
CUSHOTRAC® ULTIMATE™
Track Pads Engineered Specifically for Milling Machines

2,000 Hrs
The ONLY Track Pad With a 2,000 Hour Wear Life Guarantee

Product information is embossed on the reverse side of every track pad.

Lower life-cycle cost
from our 2,000 hour wear-life guarantee

Ultra-long lasting & abrasion resistant polyurethane compound

Larger footprint
designed to provide maximum traction - even on wet surfaces

Reinforcing Steel-On-Steel® technology
eliminates early wear from pad loosening

*Refer to terms and conditions at www.Track-Pads.com

Also Available
CUSHOTRAC® ON THE CHAIN®
New complete chain assemblies with track pads pre-installed ...Just Roll It On!

Optional Track Pads
- CUSHOTRAC® Ultimate™
- Polyurethane Bolt-To-Shoe
- Rubber Bolt-To-Shoe
- Mold-On

Also Available for Wirtgen® and Roadtec® milling machines

SUPERIOR
TIRE & RUBBER CORP
HEAVY EQUIPMENT RUBBER COMPONENTS
ENGINEERING REVOLUTION™

MADE IN USA
ISO 9001

40 Scientific Rd., Warren, PA 16365
1.800.289.1456 www.Track-Pads.com
It has been a few months since the AEMA-ARRA-ISSA websites have had a bit of an overhaul. Some of you have been kind enough to provide your compliments, feedback, and comments on how we can continue to make our websites a valuable destination for current and future members. I am working to improve the functionality so that you, our members, have the best possible experience.

I am excited to announce a new development. The ability to connect with our members is one of the most valuable things to a membership with AEMA, ARRA, or ISSA. To ensure that our members receive the most value and, hopefully, inspire people to become members, non-members can see a truncated view of our members’ information including company name, location, and website. Members, when logged in, can see the full company profile of each member.

For the new websites, access is automatically linked to a person’s membership status, and you can also update your company’s information directly. We have added in a whole list of functions on the websites, with more to come:

- The ability to update your company’s profile
- The ability for your company’s Additional Contacts to have their own login access to their member benefits
- Access to our full Association’s Directory
- Access to the online library and other resources

As mentioned above, our “free” online library of content and other resources now requires non-members to provide a contact name, company, and email. This will allow us to understand what content people in the industry are looking into. This contact information is valuable to each association as it not only allows us to learn more about the aforementioned metrics, but also allows us to reach out to potential members and future event attendees who are already interested in the content our associations provide.

If there are features or functions that you would like to see within the Members Only area please let us know.
ISSA Web Based Training - Phase II
FHWA & ISSA Partner Again to Develop Web-Based Training – Phase II – Spreader Box Principles and Crack Treating

FHWA works with various industry associations to produce training materials that demonstrate proper techniques and steps needed by the contractors to do their job as best as possible. A proactive program to educate all involved in highway construction technology that is aimed at all elements of the profession, has potential to result in better system conditions and longer lasting highways. ISSA is recognized by FHWA and the national/international highway industry as the source for technical information on the specifications, design and construction of slurry/micro surfacing technology; and is the primary industry representing technology and equipment manufacturing for performing crack sealing/filling on pavements and bridges.

In May, FHWA awarded ISSA a contract to develop and host two interactive independent web-based training (WBT) courses. These new courses are in addition to the three previously developed (slurry/micro parts 1 & 2, and chip seal). ISSA has engaged the National Center for Pavement Preservation to play a key role in converting ISSA’s technical expertise and content into the web-based courses.

One module will address the functions of a spreader box, application rates and controls or adjustments for proper use, and maintenance and calibration of the spreader box. The second will address the operation and maintenance of the equipment, and the proper handling and use of crack filling and joint sealing material for both asphalt and concrete pavements.

Working on the project are:

- **Project Manager** – Mike Krissoff, ISSA Executive Director;
- **Project Administrator** - Michael Dougherty, ISSA Online & Social Media Marketing Manager;
- **Project Coordinator** – Larry Galehouse, P.E., P.L.S., Director of the National Center for Pavement Preservation (NCPP);
- **Subject Matter Experts (SMEs)** –
  - Scott Bergkamp, President, Bergkamp Inc., Salina, KS
  - Jim Chehovits, P.E., Vice President of Operations, Crafco, Inc., Chandler, AZ
  - Larry Tomkins, P.E., Technical Marketing Manager, Eastern Region, Ergon Asphalt and Emulsions, Inc., Jackson, MS
- **Graphics Designers** – Jiatyan Chen, Creative Services Manager, IT Services – Teaching and Learning, at Michigan State University;
- **Administrative Assistant** – Lisa Farley, Program Coordinator at NCPP;
- **Technical Writer and Editor** – John O’Doherty, P.E., Road Project Specialist at NCPP; and
- **Instructional Systems Designer (ISD)** – Robert Matson, Instructional Designer, IT Services – Teaching and Learning, at Michigan State University.

FHWA will provide a subject matter expert representative to be a member of the contractor panel and assist in reviewing the WBT course materials.

Each course length will be approximately 90 minutes in length and address the key points of the training needs as outlined below:

**Best Construction Practices for Operating a Spreader Box used with Slurry/Micro Surfacing Materials:**
- Functions of a spreader box – controls, metering;
- Application Rate – how to determine settings and measure that rate;
- Spreader Box Adjustments – control of operation;
- Material Level in the Box – control of operation;
- Secondary Strikeoff – control and different types;
- Secondary Strikeoff – application and use;
- Rut Box Technology – control and uses;
- Cleaning & Maintenance of Equipment – importance and methods.

**Best Construction Practices for Crack Sealing and Joint Filling of Asphalt and Concrete Pavements**:  
- Briefly address the types of cracks, underlying courses of cracks and why to treat cracks.
- Detailed information on routing, cleaning and preparation of crack area before application of material.
- Detailed information on crack sealing procedures — good practices to understand and follow.
- Detailed information on Joint Filling – good practices to understand and follow.
- Detailed information on application rate and controls.
- Detailed information on various equipment controls and proper use of equipment.
- Detailed information on maintenance of equipment.
- Training shall focus on individual task and good practices the equipment operators and workers must do in order to properly accomplish the task.
- Develop a downloadable print ready checklist that can be used as an aid outlining the critical steps and processes that equipment operator and workers must do to properly seal cracks and joints.

---

AEMA-ARRA-ISSA Newsletter 2014 Issue #2
Today, the road transport network is the backbone of an increasingly global economy, and investments aimed at improving its efficiency remain essential. However, the economic crisis has dealt a strong, durable blow to public finances in many countries, leading decision-makers to focus on the overriding need to maintain the existing network using the most efficient techniques. The very vitality of our economy is at stake.

In many countries, road infrastructure is the most important of all public assets. With a chronic lack of sufficient maintenance, it becomes fragile and rehabilitation costs increase sharply. The widespread economic and societal impact of inadequate maintenance is often greatly underestimated: increased transport times and costs, reduced reliability for transport times, loss of full accessibility to services and local markets, greater safety risks for road users, etc.

Investments have been made in recent decades, often with a considerable boost to road assets, e.g., new highways, rural access roads, etc. Nonetheless, in the majority of countries, policies and budgets have not been adapted to provide sustainability for road infrastructure investments and to ensure the expected level of service over time. This is why it is important to commend the initiative taken by professional organizations from the road industry – which has since garnered the support of various other international organizations - to dedicate an international conference to road maintenance and pavement preservation.

The PPRS Paris 2015 Congress has been designed to provide a comprehensive overview of the issues associated with pavement preservation, with the aim to promote the exchange of ideas and sharing of experience amongst key stakeholders: public authorities, the road industry as a whole, engineering companies, road users.

Internationally-renown speakers will cover a variety of topics designed to be of interest to government officials, road infrastructure managers and road industry executives. The issues to be addressed range from assessing economic and social impact, defining adapted maintenance strategies over the medium term, optimally allocating resources between routine maintenance, preventive maintenance and refurbishment, to fostering the emergence and introduction of innovations in the field of materials, methods and construction equipment for greater durability as well as minimizing environmental impact.

The PPRS Paris 2015 Congress has been designed to provide a comprehensive overview of the issues associated with pavement preservation, with the aim to promote the exchange of ideas and sharing of experience amongst key stakeholders: public authorities, the road industry as a whole, engineering companies, road users.

Maintaining road infrastructure: the time to act is now
Jean-François Corté
Chairman of PPRS Paris 2015 Congress
Secretary General of the World Road Association – PIARC
What?
The 3 themes of the Congress PPRS Paris 2015
- Socio Economic
- State of the Art
- Prospective & Innovation

Who?
- For the general public
- For decision-makers and policy-makers
- For companies and industries
- For equipment and plant manufacturers
- For network users, drivers

Where?
Paris, Convention Center
2 place de la Porte Maillot
75017 Paris

When?
22 – 25 February 2015

For more information please contact
Amaury.lefebvre@gl-events.com
Tel: + 33(0)4 78 17 62 85

The three day event will include conferences, workshops, an exhibition and technical visits. Co-sponsored by the Asphalt Emulsion Manufacturers Association, the Asphalt Recycling & Reclaiming Association, the International Slurry Surfacing Association, the Pavement Preservation & Recycling Alliance, International Bitumen Emulsion Federation, and FP2 Inc., PPRS Paris 2015 constitutes a single international event and venue for all key players in pavement preservation.

More than ever, in this period of economic uncertainty and low infrastructure investment, it is important to acknowledge the essential contribution of roads to the socioeconomic welfare of our society and to ensure that sufficient resources are dedicated to the improvement and the maintenance of the current road infrastructure.

While road owners have the responsibility to define, propose and implement action plans for the maintenance of the road infrastructure, academia is researching and the road industry is developing sustainable solutions for the full benefit of the road users and, more broadly, for society.

Pavement preservation solutions based on asphalt techniques and recycling processes fully meet community expectations and have more and more to offer. PPRS Paris 2015 is a collaboration of some of the most influential pavement preservation and recycling organizations in order to gather stakeholders and experts in a forum to disseminate the best practices worldwide and to share their specific knowledge. Delegates will meet players and experts who share a common goal: preserving road assets. The focus will be both economic and societal in scope.

PPRS Paris 2015 is guided by an organizing committee composed of Étienne Le Bouteiller, executive director, IBEF; Jean-Claude Roffé, special advisor to the president, Colas S.A.; Mike Krissoff, executive director, AEMA, ARRA and ISSA; and Jim Moulthrop, executive director, FP2.

In addition to the international technical presentations and plenary sessions, the event will encompass the 6th World of Emulsions, the 42nd annual meeting of AEMA, the 39th annual meeting of ARRA, the 53rd annual meeting of ISSA, and the 2nd International Conference on Pavement Preservation.

An exhibition hall with a capacity of about 40 stands will be available. The exhibition will give manufacturers and suppliers of equipment and raw materials, design and research departments and the industries, companies and associations representing them an opportunity to present their specialties.

With a wealth of history, monuments and museums, Paris is the cultural capital of France. Paris is the perfect place for tourism, with so many monuments and museums, including the Eiffel Tower, Notre Dame Cathedral, Sacré-Coeur and so many more.

The Palais des Congrès de Paris—opened in 1974—is a convention center, concert venue and shopping mall located just two Metro stops west of the Arc d'Triomphe, between the historic city center and the exciting L'Defense business district.

A gala evening affair will be held at the Moulin Rouge, France’s most legendary cabaret. Its original Belle Epoque decor will welcome delegates for a traditional French dinner and an unforgettable show.

Silica/Asphalt Milling Machine Partnership Update

National Asphalt Pavement Association (NAPA)

The Silica/Asphalt Milling Machine Partnership efforts are currently focused in three primary areas:

- Filing timely post hearing comments on the OSHA proposed silica rule
- Supporting NIOSH in publishing their draft best practices guidance document for control of silica surrounding half lane and larger asphalt milling machines
- Completion of evacuation systems development and testing according to NIOSH guidelines by each of the equipment manufacturers

Following the submittal of formal comments on the proposed silica rule earlier this year, representatives of the manufacturer, contractor and labor representatives of Partnership provided extensive testimony during OSHA hearings on March 27th, 2014. During the hearing we were invited to provide post hearing comments by the OSHA panel. Those comments are due on June 3. Limited comments are being prepared for submittal in advance of the deadline. Meanwhile, NIOSH has circulated for peer review a best practices guidance document with intention to publish in the near future. This document was developed in coordination with the Partnership and recommends optimized water spray configuration and operation in addition to evacuation systems as best current practice for control of silica exposure surrounding new asphalt milling machines. Each of the manufacturers has placed a letter of commitment with NAPA and in the OSHA docket supporting the installation of these controls on new machines by January 1, 2017. In addition, the manufacturers will make water system retrofits available for some older machines.

Going forward, each the various manufacturers plan to develop and test evacuation systems in combination with optimized water spray systems as recommended by NIOSH and the Partnership. Because of the extensive nature of the development and testing process timing of introduction of machines with these new systems will vary by manufacturer.

Tony Bodway says… “This has been a long, expensive and arduous process. We feel confident in our knowledge that our workers are protected to the maximum practical extent. The industry owes a debt of gratitude to those of the Partnership who have invested their time, energy and resources against this mission!”

www.aema.org
Click on "Resources"

www.arra.org
Click on "Shop"

www.slurry.org
Click on "Shop"

Ordering publications online has become easier than ever! Choose your publication, add to your cart and check out with confidence on our secure shopping site! More payment options than ever before. Some products and/or pricing are exclusive to AEMA, ARRA or ISSA Members only.
Accelerating Infrastructure Innovations: Goodbye Focus, Hello Innovator

From Superpave to high-performance concrete (HPC) to prefabricated bridge technologies, Focus has always been about accelerating infrastructure innovations.

At its beginning in 1987, that meant chronicling the groundbreaking work of the Strategic Highway Research Program (SHRP). This was followed by comprehensive coverage of SHRP technology implementation efforts.

Pavement preservation strategies, anti-icing techniques, HPC pavements and bridges, and the growth in Superpave use nationwide were among the featured technologies resulting from SHRP’s success.

After SHRP implementation ended in 2000, Focus continued to report on the real-life experiences of States using SHRP products, but coverage also expanded to include a broader range of infrastructure-related developments.

Asset management, accelerated bridge construction, highway materials innovations, work zone safety improvements, and advancements in long-term bridge performance are just some of the technologies that have shared the Focus spotlight since then. Recent years have also featured a new millennium’s crop of innovations resulting from SHRP2 and the Federal Highway Administration’s (FHWA) Every Day Counts (EDC) initiative.

This issue is the last Focus. But FHWA’s Innovator newsletter will continue to report on the latest in highway innovation topics. Dedicated to “Accelerating Innovation for the American Driving Experience,” recent Innovator topics have included warm-mix asphalt, smart work zones, and the geosynthetic reinforced soil integrated bridge system. All Focus subscribers will receive the electronic version of Innovator, though subscribers not interested in continuing to receive the publication will, of course, be able to opt out. To check out past issues of the Innovator, visit www.fhwa.dot.gov/innovator. FHWA’s SHRP2 Solutions (www.fhwa.dot.gov/goshrp2) and EDC (www.fhwa.dot.gov/everydaycounts) Web sites are also your current go-to spots for the latest in highway infrastructure advancements.

Say goodbye to Focus this month, but with the help of FHWA’s many other technology resources, continue to say hello to the innovations that are reinventing America’s highways and bridges both for today and well into the future.
2014 International & Western States In-Place Recycling Conference

Revitalizing In-Place Recycling Technologies:
Gaps, Barriers and a Path Forward

What: An International Conference on
In-Place Recycling for State, Local and Federal Agency
Officials, Academia, and Industry

Where: Crowne Plaza Denver International Airport
Denver, Colorado

When August 5 - 7, 2014

More information available at
http://www.pavementpreservation.org/conferences/regional-in-place-recycling-conference/
What is the 2014 International & Western States In-Place Recycling Conference?
The Conference is an International forum of pavement professionals representing State Agencies, Contractors, Suppliers, Consultants, Academia, Local, MPO’s and Federal Government Officials, all working together to take advantage of the synergy to be gained from sharing information and identifying common issues for further investigation. The Conference will provide a platform for national and international pavement professionals to present the state-of-the-art of cold central plant and in-place recycling. Breakout sessions will be offered in which participants will be tasked with identifying issues, barriers and gaps in knowledge that are preventing increased utilization of these sustainable pavement preservation/maintenance techniques and developing a roadmap to address these issues.

When and where will the Conference be held?
The conference will be held in Denver, Colorado starting at 12:30 p.m. on Tuesday, August 5, 2014 and concluding at 4 p.m. on Thursday, August 7, 2014 at the Crowne Plaza Denver International Airport Hotel, 15500 East 40th Ave., Denver, CO 80239. State Agency invitational travelers should not make lodging or flight reservations, but should contact the NCPP for further information. Other registrants can make room reservations directly by contacting the hotel at (888)233-9527; use the group code “Western In-Place Recycling Conference”. The cut-off date for the reduced rate of $124.00/ per night is July 14, 2014.

Who Should Attend?
State Agencies, Contractors, Suppliers, Consultants, Academia, Local, MPO’s and Federal Government Officials interested in sustainable, cost-effective and long lasting pavement preservation/maintenance alternatives.

Site Visit
On Wednesday conference participants will visit In-Place Recycling projects. The field trip provides firsthand understanding of the flexibility, sustainability, and economy of in-place recycling. Transportation is included with conference registration.

How do I Register for the In-Place Recycling Conference?
Please complete the attached meeting registration form and fax or mail to the address indicated on the form by July 14, 2014. All registrations include breakfasts, and break refreshments, starting Tuesday at 12:30 p.m. through Thursday afternoon. Lunch will also be provided on Wednesday and Thursday.

Sponsorship Opportunities?
Sponsorship Opportunities are available, levels and benefits are listed below.

- Silver Sponsor—$1,500
  Acknowledged in brochure, one booth space at conference and one meeting registration

- Gold Sponsor—$5,000
  Acknowledged in brochure, one exhibit space at conference, exhibit space or demo opportunity at field/equipment show, recognition as a co-sponsor of conference break, special recognition on web-site and two meeting registrations.

- Green Sustaining Sponsor—$5,500
  Acknowledged in brochure, one exhibit space at conference, exhibit space or demo opportunity at field/equipment show, recognition as a sponsor of opening reception, breakfast, lunch, special recognition on web-site and four meeting registrations.

For more information contact Patte Hahn at (517)432-8220 or hahnp@egr.msu.edu
2014 International & Western States
In-Place Recycling Conference
Revitalizing In-Place Recycling Technologies:
Gaps, Barriers and a Path Forward

TUESDAY, AUGUST 5, 2014
Opening Session
FHWA, ARRA & Colorado DOT Welcome, FHWA Program Support for In-Place Recycling, Summary of FHWA & ARRA Activities

Programmatic Considerations
Project Selection, Performance/Life Cycle Costs (State & Local Perspective), Sustainability Considerations

Moderator Led DOT Roundtable Discussions
What are you doing, why, what will it take to do more

WEDNESDAY, AUGUST 6, 2014
Technical Considerations
Structural Design & Mixture Design

Specifications/Construction Operations
Hot In-Place Recycling, Cold Central Plant and Cold In-Place Recycling, and Full Depth Reclamation

Field Trip Demonstrations

THURSDAY, AUGUST 7, 2014
International Activities
China, South America, Canada and Europe

Revitalizing In-Place Recycling Technologies: Gaps, Barriers and a Path Forward (Sponsored by Texas A & M Transportation Institute)
Break-Out Sessions and Working Lunch

Break-Out Sessions Summary

Agency Lessons Learned
How Will States Implement In-Place Recycling?

Conclusion, Summary and Adjournment

For more information contact Patte Hahn at (517)432-8220 or hahnpp@egr.msu.edu
# 2014 International and Western States In-Place Recycling Conference

## Register Before July 14, 2014

- **Online:** [www.tsp2.org/register](http://www.tsp2.org/register)
- **Fax:** 517-432-8223
- **Mail, with payment:** National Center for Pavement Preservation, 2857 Jolly Rd., Okemos, MI 48864

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Street Address</th>
<th>City / State / Zip</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Work Phone</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Registration Information

Please indicate if you will be attending the field trip…… [ ] yes [ ] no

- **Invitational State/Speaker Attendee**………………... [ ] $0
- **Additional State/Local Agency Employees**……………..…... $150
  (Scholarships are available for local members needing financial assistance. Please contact us by July 1, 2014)

### Industry

Please include separate registrations for all attendees

- **Silver Sponsorship of the Meeting (1 Attendee)……..$1,500**
- **Gold Sponsorship of the Meeting (2 Attendees)………$3,000**
- **Green Sustaining Sponsor of the Meeting (2 Booth Spaces and 4 Attendees)……..$5,500**
- **Registration Covered by Sponsorship**………………………….. $0
- **Additional Sponsoring Industry Attendee**………………...$300
- **Non-Sponsoring Industry Registration**………………………$750

### Payment Information

- **Check,** payable to “Michigan State University,”
  Mailed with registration……………………………………………………………[ ]
  Please bill my CREDIT CARD……………………………………………………[ ]

<table>
<thead>
<tr>
<th>Credit Card Number</th>
<th>Expiration Date</th>
<th>Security Code</th>
<th>Phone Number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name on Card</th>
<th>Email for Receipt</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cardholder Street Address</th>
<th>Cardholder City/State/Zip</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
ISSA Slurry Systems Workshop

January 20-23, 2015
Texas Station Hotel
Las Vegas, Nevada

For reservation please call
800-654-8888 and be sure
to mention ISSA.
http://www.texasstation.com/

Highlights
- Expert Instructors
- Classroom Instruction
- Hands on mix demonstrations
- State of the art equipment on display
- Outdoor live demonstrations for Micro Surfacing, Slurry Surfacing, Chip Seal and Crack Treatment

International Slurry Surfacing Association

#3 Church Circle - PMB 250
Annapolis, Maryland 21401
USA
Phone: 410-267-0023
Fax: 410-267-7546
E-mail: kennedy@slurry.org

www.slurry.org
**ISSA Web Based Training**

**How to Construct High Quality Slurry Seal and Micro Surfacing Treatments - Part 1**

The first of two modules, the purpose of which is to provide practical information to assist in the construction and inspection of high performance slurry system projects (slurry seal and micro surfacing). The Federal Highway Administration (FHWA) and ISSA have authorized this module to provide an educational tool that could be used by persons possessing limited familiarity with slurry system methods. Contractor performance along with user agency oversight both play an important role in the successful outcome of slurry systems projects. This training module will address both sides of the equation.

**How to Construct a High Quality Slurry Seal and Micro Surfacing Project - Part 2**

The second of two, this module focuses on construction best practices of both slurry seal and micro surfacing as published in the ISSA High Performance Slurry Systems Inspector’s Manual.

http://slurry.org/education/industry-training-courses/web-based-courses/

www.slurry.org
SAVETHE DATE!

Midwestern Pavement Preservation Partnership
and the

SHRP2 R26 Workshop for the Preservation of High-Traffic-Volume Roadways
with on-site inspection of the MnROAD Preservation Sections

September 2–5, 2014
The Depot Renaissance–Minneapolis

www.tsp2.org/pavement/mppp
movement. This was the foundation of the “3E’s” – and that has helped us build a winning coalition.

We have successfully held six regional In-Place Recycling Workshops around the country over the past years, with outstanding support from both FHWA and ARRA. I remember a time when that support was pretty weak, but the ARRA leadership took the initiative to meet with the FHWA leadership to establish the program, and I’ve been honored to work on it since it was conceived and help guide it. Furthermore, the presentations and videos from these workshops are available on the internet – meaning that a broad audience can reach the information when it is needed.

I remember a time when the largest core groups of preservation contractors, the Chip Sealers and Crack Sealers, were not actively involved in the pavement preservation movement. At an ISSA Board meeting that I barged my way into, a la Jim Sorenson, I challenged them to include those contractors into their membership – and although it took a couple of years, ISSA did it. Having Chip Sealers and Crack Sealers on board can easily double or triple the total size of the contracting community promoting the need to keep the good roads good. Well done!

I remember many conversations with Jim Sorenson regarding the need to improve Asphalt Emulsions. As a former Asphalt Institute Engineer, I helped push Jim to work on that issue. I can’t tell you the importance of having an FHWA Team Leader who fully understands the needs to preserve our pavement assets, and we were all blessed to be able to have Jim helping us in so many different ways. Jim formed the Emulsions Task Force to work with the Pavement Preservation Expert Task Group. I want to thank the members of AEMA and the other associations, as well as the ETF leadership for continuing their work after Jim passed away in June 2009 – and your efforts have us on the verge of the adoption of new AASHTO Specifications for emulsions. Congratulations!

I hope you realize that none of these advances were done in a vacuum. The formation of the National Center for Pavement Preservation and the establishment of the AASHTO Transportation System Preservation Technical Services Program (TSP2) have been incredibly essential in moving preservation forward. The AASHTO Subcommittee on Maintenance, and especially the Pavement Technical Working Group, was key in the creation of these entities. FP2 drove the message, and independently led the successful effort to have correct definitions and concepts put into MAP-21. Before we published the Transportation System Preservation Research Road Map, I could count the number of preservation-related research projects on one hand, and now there are too many for me to keep track of. Thanks to the many people who contributed to these efforts!

I hope these examples of the partnerships that have been formed will help remind all of the members of the essential need to work together to advance the preservation and recycling movements. I can’t tell you how much I appreciated everyone’s willingness to answer my phone calls or respond to my e-mails when we needed industry support to accomplish the important tasks at hand. What is most exciting to me is that we now have literally tens of thousands of people supporting the concept of “keeping the good roads good” around the country – and thousands of champions who have taken the message to heart and have acted independently to advance preservation movement within their own spheres of influence. I am absolutely sure the industry is in a better position now than it was a decade ago, and I’m also sure that our vital highway and roadway network is better protected as a result of our combined efforts.

As we move forward into a new world of performance measures, my fondest wish is that everyone will remain engaged – because I think that preservation is an essential component for a well-performing highway network, and needs to be included in every agency’s Transportation Asset Management Plan. The challenge will be to assure that those plans provide adequate resources to move our highway assets towards a state of good repair rather than continuing on a slow downward spiral towards failure. As you have heard me say many times, I believe that we cannot allow our vital highway and bridge assets to continue to deteriorate, and we must protect our substantial investments in the existing four million miles of roads across this nation as our first priority. Preservation is not an option, it is a necessity!

I will miss working with everyone on a regular basis, but please feel free to contact me through my personal e-mail: SRMueller1@msn.com after May 29. Thank you for allowing me to play a small role in your Associations over the years, and best wishes for the future!

Sincerely,

Steve Mueller

Stephen R. Mueller, P.E., MPA
Pavement and Materials Engineer
Federal Highway Administration Resource Center (Retired)
All types of surface cracking and distress can be fixed with CIR technology from Roadtec. A rule of thumb is that CIR costs 50% less than rehabilitating with hot mix, and a CIR pavement will possess 80% of the strength of a hot mix pavement.

Roadtec has been developing and refining its CIR technology over many years and offers a number of equipment configurations to help you meet your goals.

To find out how Roadtec can assist you with your CIR questions and equipment needs, contact us at the number below, or see our website www.roadtec.com.

*Because CIR is the Future of Road Rehabilitation.*
June 6, 2014

Mike:

Thank you for your help. I have contacted one of your members who is graciously offering his services for a one-day training on Microsurfacing – Construction and Troubleshooting. We plan to hold this in late October to early November and I will be happy to send you an article and photos from the training and Maryland projects. We always wish to partner with willing contractors to assist us in delivering training, so we encourage others to contact us if they wish to participate in helping us deliver future training events.

We appreciate your continued assistance with our Slurry/Microsurfacing program. ISSA has been a tremendous resource for help with everything from specification development to training.

Thanks again -

Gloria Burke  
QA Field Engineer  
Asphalt Technology Division  
Maryland State Highway Administration  
7450 Traffic Drive  
Hanover, MD
What: The Rocky Mountain West Pavement Preservation Partnership is a regional forum of pavement professionals working together to promote the benefits of Pavement Preservation through information sharing, education and application.

Where: The Pointe Hilton Tapatio Cliffs Resort, Phoenix, Arizona

When: October 8-10 2014

More information is available at

http://tsp2pavement.pavementpreservation.org/

rocky-mountain-west-rmwppp/
Development of Multi-Functional SAMI Using Asphalt Emulsion

M. Takahashi, A. Arai H. Akamatsu, Toa Road Corporation

SAMI (Stress Absorbing Membrane Interlayer) is an effective application for reflective cracking, but it has a safety concern considering spraying hot asphalt binder. The authors targeted to develop asphalt emulsion for SAMI, which has an equivalent performance as hot SAMI. Two samples of emulsion were made modified with 1) petroleum resin, and 2) petroleum resin and rubber. Based on various test results, sample 2) showed equivalent performance as hot binder. Using sample 2), test construction of two layers of SAMI was conducted at existing pavement with linear cracking. It showed good workability and adhesion, and follow-up survey will be continued.

Introduction of Paper from the 5th Eurasphalt & Eurobitume Congress (4)

Overseas Documents Working Group, Technical Committee, JEAA

This is the introduction of a paper from the 5th Eurasphalt & Eurobitume Congress in 2012, introducing the following paper:

05EE-236 Bitumen Emulsions: Meeting the Pavement Preservation Challenge

Étienne le Bouteiller, Jean Claude Roffé (IBEF)

Article from AEMA Newsletter

This is a Japanese translation of the article “PPRA Fall Meeting – It Worked!” which was originally published in AEMA Newsletter 2013 #4.

The Effect of Reducing Traffic Vibration by Base Course Stabilization Using Cement and Asphalt Emulsion (CAE) – Central Mixing Type CAE -

Stabilized concrete waste with cement and asphalt emulsion has both characteristics of rigidity and flexibility, and has excellent strength. With its strong pavement structure, it can be expected to reduce traffic vibration and improve the roadside environment especially in the urban area. This report describes test construction at 2 sites and vibrational measurement in Yokohama City. The vibrational level has decreased 6.1dB as a maximum.

Questions and Answers

Technical Committee, JEAA

Questions from JEAA members and answers from Technical Committee; 1) Adhesiveness of trackless tack coat asphalt emulsion “PKM-T”, 2) Role of surfactant in asphalt emulsion, 3) Required hexavalent chrome elution test before applying in-place recycled base using cement and asphalt emulsion.

Topics and JEAA News

1. 92nd Asphalt Seminar held in Sendai, Miyagi Prefecture, February 13 – 14, 2014. Takuro Kurokawa, Chairman of Technical Committee from JEAA gave a presentation on “Application Examples of Asphalt Emulsion”.

2. Board meeting of International Bitumen and Emulsion Federation (IBEF) was held at The Strings by Intercontinental Tokyo on March 13, hosted by JEAA. Since its foundation with six associations in 1996, IBEF has been actively promoting asphalt emulsion. The member associations/companies are located in 19 countries and represent more than 70% of the production of asphalt emulsion worldwide.

3. Asphalt emulsion produced amount by JEAA members (in February 2014) is shown below:

```
<table>
<thead>
<tr>
<th>Division</th>
<th>Items</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Penetration Type</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mixing Type</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Modified Emulsion</td>
<td></td>
</tr>
<tr>
<td>Hokkaido</td>
<td>6,287</td>
<td>676</td>
</tr>
<tr>
<td></td>
<td>1,687</td>
<td>8,650</td>
</tr>
<tr>
<td>Tohoku</td>
<td>19,890</td>
<td>14,984</td>
</tr>
<tr>
<td></td>
<td>1,812</td>
<td>36,686</td>
</tr>
<tr>
<td>Kanto</td>
<td>24,367</td>
<td>12,562</td>
</tr>
<tr>
<td></td>
<td>4,814</td>
<td>41,743</td>
</tr>
<tr>
<td>Hokuriku</td>
<td>5,250</td>
<td>1,247</td>
</tr>
<tr>
<td></td>
<td>525</td>
<td>7,022</td>
</tr>
<tr>
<td>Chubu</td>
<td>9,823</td>
<td>9,162</td>
</tr>
<tr>
<td></td>
<td>3,073</td>
<td>22,058</td>
</tr>
<tr>
<td>Kinki</td>
<td>7,399</td>
<td>3,005</td>
</tr>
<tr>
<td></td>
<td>2,037</td>
<td>12,441</td>
</tr>
<tr>
<td>Chugoku</td>
<td>6,544</td>
<td>1,558</td>
</tr>
<tr>
<td></td>
<td>1,917</td>
<td>10,019</td>
</tr>
<tr>
<td>Shikoku</td>
<td>3,165</td>
<td>864</td>
</tr>
<tr>
<td></td>
<td>353</td>
<td>4,382</td>
</tr>
<tr>
<td>Kyushu</td>
<td>13,931</td>
<td>6,615</td>
</tr>
<tr>
<td></td>
<td>2,809</td>
<td>23,355</td>
</tr>
<tr>
<td>Okinawa</td>
<td>1,478</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>57</td>
<td>1,535</td>
</tr>
<tr>
<td>Total</td>
<td>98,134</td>
<td>50,673</td>
</tr>
<tr>
<td></td>
<td>19,084</td>
<td>167,891</td>
</tr>
</tbody>
</table>
```
AEMA-ARRA-ISSA-PPRA
PAVEMENT PRESERVATION MEETING

November 17-19, 2014
Hyatt Regency
Baltimore, Maryland
# AEMA-ARRA-ISSA-PPRA Meeting

**November 17-19, 2014**  
**Hyatt Regency—Baltimore, Maryland**

## PPRA Fall Meeting Schedule

### Monday November 17

- **8:00 AM - 5:00 PM**  Registration & Information
- **8:00 AM - 12:00 PM**  AEMA Board of Directors Meeting
- **8:00 AM - 12:00 PM**  ARRA Board of Directors Meeting
- **8:00 AM - 12:00 PM**  ISSA Board of Directors Meeting
- **12:00 PM - 1:00 PM**  AEMA-ARRA-ISSA Supplier Members Meeting
- **1:00 PM - 2:00 PM**  AEMA ITC Executive Committee Meeting
- **1:00 PM - 2:00 PM**  ARRA CORE Executive Committee Meeting
- **1:00 PM - 2:00 PM**  ISSA Technical Executive Committee Meetings
- **1:00 PM - 2:00 PM**  ISSA Slurry Systems Workshop Committee Meeting
- **2:00 PM - 3:00 PM**  AEMA Business Session
- **2:00 PM - 3:00 PM**  ARRA Business Session
- **2:00 PM - 3:00 PM**  ISSA Business Session
- **3:00 PM - 6:00 PM**  AEMA ITC Meeting
- **3:00 PM - 6:00 PM**  ARRA Technical Committee Meetings
- **3:00 PM - 6:00 PM**  ISSA Technical Committee Meetings

### Tuesday November 18

- **7:00 AM - 4:00 PM**  Registration & Information
- **7:00 AM - 8:00 AM**  PPRA Breakfast
- **8:00 AM - 8:15 AM**  AEMA/ARRA/ISSA Presidents Remarks
- **8:15 AM - 8:45 AM**  Welcome
- **8:45 AM - 12:00 PM**  Pavement Preservation & Recycling Program
- **12:00 PM - 1:00 PM**  Luncheon
- **1:00 PM - 4:15 PM**  Pavement Preservation & Recycling Program
- **5:00 PM - 8:00 PM**  Special Evening Reception

### Wednesday November 19

- **7:00 AM - 4:00 PM**  Registration & Information
- **7:00 AM - 8:00 AM**  PPRA Breakfast
- **8:00 AM - 8:15 AM**  Opening Remarks
- **8:15 AM - 12:00 PM**  Pavement Preservation & Recycling Program
- **12:00 PM - 1:00 PM**  Luncheon
- **1:00 PM - 3:30 PM**  Pavement Preservation & Recycling Program
- **3:30 PM - 3:45 PM**  Closing Remarks
- **4:00 PM - 5:00 PM**  Networking Reception
Sponsorship Opportunities

AEMA-ARRA-ISSA-PPRA prides themselves on conducting good meetings with lots of bells & whistles at a very reasonable fee. It is the generosity of our sponsoring member companies that allows us to do so. These bells & whistles (high quality meal functions, receptions) help keep our registrants engaged and present, which further enhance the opportunities for networking and technology transfer. The more they stay together, the more they talk. The more they talk, the more they learn. The more they learn, the more our market grows. On behalf of our members, we extend our thanks and appreciation to those member companies that go the extra step to support our industry and give back to the Associations that grow our businesses.

Please note: Display space at the Hyatt Regency Baltimore is limited and will be assigned on a first come first served basis. We are also planning to decrease the amount of signage and increase electronic options for more enhanced sponsor recognition.

Regular Sponsorship: For $1,000, your company will be recognized at the meeting, listed as a meeting sponsor in the meeting program, and highlighted in the Newsletter. Limited display space is available to sponsors as referenced above. Sponsor exhibits must be confined to the 8’ draped table provided.

Reception: For $2,500.00 you can be a Reception Sponsor which includes all of the above and enhanced recognition throughout the meeting. We have planned a really special evening reception to be announced soon. This will be a very fun evening and a nice break from the all-day meetings; there will be plenty to eat and drink!
**REGISTRATION FEES**

<table>
<thead>
<tr>
<th></th>
<th>Before 10/17</th>
<th>After 10/17</th>
</tr>
</thead>
<tbody>
<tr>
<td>Members</td>
<td>$400</td>
<td>$500</td>
</tr>
<tr>
<td>Non-Members</td>
<td>$700</td>
<td>$875</td>
</tr>
</tbody>
</table>

Two Day Seminar

This option is available to:

- Government - Academic Only

<table>
<thead>
<tr>
<th></th>
<th>Before 10/17</th>
<th>After 10/17</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$100</td>
<td>$150</td>
</tr>
</tbody>
</table>

**SPONSORSHIP OPPORTUNITIES**

- Reception - $2,500.00
- General - $1,000.00

- ☐ My company would like to be a Special Reception Sponsor for $2,500.00
- ☐ My company will sponsor for $1,000.00
- ☐ We will need display space
- ☐ We will not need display space

Please register the following:

- Company/Agency ___________________________________________________________
- Address _________________________________________________________________
- City _________________________________________________________________
- State _________________________________________________________________
- Zip/Postal Code _________________________________________________________
- Country _______________________________________________________________

- Attendee 1
  - Position _______________________________________________________________
  - Phone _______________________________________________________________
  - E-mail _______________________________________________________________

- Attendee 2
  - Position _______________________________________________________________
  - Phone _______________________________________________________________
  - E-mail _______________________________________________________________

- Attendee 3
  - Position _______________________________________________________________
  - Phone _______________________________________________________________
  - E-mail _______________________________________________________________

Total Registration Fees Enclosed $ ________________________________

Sponsorship Amount Enclosed $ ________________________________

Total $ ________________________________

**Payment Information**

- ☐ Check ☐ Mastercard ☐ VISA ☐ American Express
  - Account # ____________________________________________________________
  - Expiration Date: mo ______ yr ______ CVV2# ________
  - Name as it appears on card: ____________________________________________

Please return the completed registration form by October 17, 2014, with a check payable to AEMA, ARRA or ISSA for the total registration fees to: AEMA-ARRA-ISSA, #3 Church Circle - PMB 250, Annapolis, Maryland 21401. Phone 410-267-0023 • Fax 410-267-7546 • kennedy@krissoff.org
REGISTRATION FEE: The registration fee includes the entire meeting and seminar, specifically: the Special reception on Tuesday evening, 2 continental breakfasts, 2 lunches, coffee breaks, and any hand-out materials.

REGISTRATION DEADLINE: MAKE YOUR RESERVATIONS EARLY! AEMA-ARRA-ISSA-PPRA has negotiated a special room rate of $179.00 per night (subject to applicable occupancy tax and sales tax). In order to receive the group rate, you must make your reservation by October 17, 2014. Our room block is reserved on a first come, first served basis until it is gone, after which room reservations will be accepted on a space available basis. We strongly encourage you to make your reservations now.

HOTEL RESERVATIONS:
Hotel Name: Hyatt Regency Baltimore on the Inner Harbor
Hotel Address: 300 Light Street, Baltimore, Maryland 21202 USA
Reservations: Phone: 410-528-1234 Toll Free: 1-888-421-1442
Online Reservations: https://resweb.passkey.com/go/PPRA
Web: http://www.baltimore.hyatt.com

If you are not using the special online reservations site at https://resweb.passkey.com/go/PPRA, please be sure to mention that you are attending the AEMA-ARRA-ISSA-PPRA Fall Meeting to get the pre-arranged group rate.

HOTEL: Check in time is 4:00 pm and check out time is 12:00 noon.
Facilities at the Hyatt Regency Baltimore include an onsite Fitness Center and Business Center.

REGISTRATION POLICY: AEMA-ARRA-ISSA-PPRA will not process any registration form that is not accompanied by payment, period. What this policy means is that AEMA-ARRA-ISSA-PPRA will not make any related arrangements for any person whose registration form is received without payment.

MEETING CANCELLATIONS: Notification must be received by AEMA-ARRA-ISSA-PPRA headquarters if you have registered for the meeting and subsequently find you will be unable to attend. If registration cancellation is necessary, AEMA-ARRA-ISSA-PPRA will refund registration fees in accordance with the following schedule:

<table>
<thead>
<tr>
<th>Cancellation received by:</th>
<th>Refund:</th>
</tr>
</thead>
<tbody>
<tr>
<td>October 27, 2014</td>
<td>100% minus $25</td>
</tr>
<tr>
<td>November 3, 2014</td>
<td>50% of registration fee</td>
</tr>
<tr>
<td>November 4, 2014, or later</td>
<td>No refund</td>
</tr>
</tbody>
</table>

"No shows" will be charged the full registration fee. Substitutions may be made at any time by contacting AEMA-ARRA-ISSA-PPRA headquarters at (410) 267-0023.

FOR MORE INFORMATION: Contact AEMA-ARRA-ISSA-PPRA Headquarters, #3 Church Circle – PMB 250, Annapolis, MD 21401, phone 410-267-0023, fax 410-267-7546, e-mail: kennedy@krissoff.org, visit www.aema.org, www.arra.org, www.slurry.org
# List of key websites

<table>
<thead>
<tr>
<th>Organization</th>
<th>Acronym</th>
<th>Website</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Assn of State Hwy Transportation Officials</td>
<td>AASHTO</td>
<td><a href="http://www.transportation.org">www.transportation.org</a></td>
</tr>
<tr>
<td>American Highway Users Alliance</td>
<td>AHUA</td>
<td><a href="http://www.highways.org">www.highways.org</a></td>
</tr>
<tr>
<td>American Public Works Association</td>
<td>APWA</td>
<td><a href="http://www.apwa.net">http://www.apwa.net</a></td>
</tr>
<tr>
<td>American Road &amp; Transportation Builders Association</td>
<td>ARTBA</td>
<td><a href="http://www.artba.org">http://www.artba.org</a></td>
</tr>
<tr>
<td>ASTM International</td>
<td>ASTM</td>
<td><a href="http://www.astm.org">http://www.astm.org</a></td>
</tr>
<tr>
<td>Asphalt Emulsion Manufacturers Association</td>
<td>AEMA</td>
<td><a href="http://www.aema.org">http://www.aema.org</a></td>
</tr>
<tr>
<td>Asphalt Institute</td>
<td>AI</td>
<td><a href="http://www.asphaltinstitute.org">www.asphaltinstitute.org</a></td>
</tr>
<tr>
<td>Asphalt Recycling &amp; Reclaiming Association</td>
<td>ARRA</td>
<td><a href="http://www.arrar.org">www.arrar.org</a></td>
</tr>
<tr>
<td>Associated General Contractors</td>
<td>AGC</td>
<td><a href="http://www.agc.org">http://www.agc.org</a></td>
</tr>
<tr>
<td>Bureau of Transportation Statistics</td>
<td>BTS</td>
<td><a href="http://www.bts.gov">www.bts.gov</a></td>
</tr>
<tr>
<td>CONEXPO</td>
<td>CONEXPO</td>
<td><a href="http://www.conexpoconagg.com/">http://www.conexpoconagg.com/</a></td>
</tr>
<tr>
<td>Federal Highway Administration</td>
<td>FHWA</td>
<td><a href="http://www.fhwa.dot.gov">www.fhwa.dot.gov</a></td>
</tr>
<tr>
<td>Foundation for Pavement Preservation</td>
<td>FP2</td>
<td><a href="http://www.fp2.org">www.fp2.org</a></td>
</tr>
<tr>
<td>International Bitumen Emulsion Federation</td>
<td>IBEF</td>
<td><a href="http://www.ibef.net">www.ibef.net</a></td>
</tr>
<tr>
<td>International Road Federation</td>
<td>IRF</td>
<td><a href="http://www.irfnet.org">www.irfnet.org</a></td>
</tr>
<tr>
<td>International Slurry Surfacing Association</td>
<td>ISSA</td>
<td><a href="http://www.slurry.org">www.slurry.org</a></td>
</tr>
<tr>
<td>National Asphalt Pavement Association</td>
<td>NAPA</td>
<td><a href="http://www.asphaltpavement.org">www.asphaltpavement.org</a></td>
</tr>
<tr>
<td>National Association of County Engineers</td>
<td>NACE</td>
<td><a href="http://www.countyengineers.org">www.countyengineers.org</a></td>
</tr>
<tr>
<td>National Center for Pavement Preservation</td>
<td>NCPP</td>
<td><a href="http://www.pavementpreservation.org">www.pavementpreservation.org</a></td>
</tr>
<tr>
<td>North East Pavement Preservation Partnership</td>
<td>NEPPP</td>
<td><a href="http://www.pavementpreservation.org">www.pavementpreservation.org</a></td>
</tr>
<tr>
<td>South East Pavement Preservation Partnership</td>
<td>SEPP</td>
<td><a href="http://www.pavementpreservation.org">www.pavementpreservation.org</a></td>
</tr>
<tr>
<td>Midwest Pavement Preservation Partnership</td>
<td>MPPP</td>
<td><a href="http://www.pavementpreservation.org">www.pavementpreservation.org</a></td>
</tr>
<tr>
<td>Rocky Mountain West Pavement Preservation Partnership</td>
<td>RMWPPP</td>
<td><a href="http://www.pavementpreservation.org">www.pavementpreservation.org</a></td>
</tr>
<tr>
<td>National Recycling Coalition</td>
<td>NRC</td>
<td><a href="http://www.nrc-recycle.org">http://www.nrc-recycle.org</a></td>
</tr>
<tr>
<td>National Transportation Library</td>
<td>NTL</td>
<td><a href="http://ntl.bts.gov/index.cfm">http://ntl.bts.gov/index.cfm</a></td>
</tr>
<tr>
<td>Pavement Preservation and Recycling Alliance</td>
<td>PPRA</td>
<td><a href="http://www.ppralliance.org">www.ppralliance.org</a></td>
</tr>
<tr>
<td>Petroleum Institute for Continuing Education</td>
<td>PEICE</td>
<td><a href="http://www.peice.com">www.peice.com</a></td>
</tr>
<tr>
<td>Research In Progress</td>
<td>RIP</td>
<td><a href="http://rip.trb.org">http://rip.trb.org</a></td>
</tr>
<tr>
<td>Southeast Asphalt User Producer Group</td>
<td>SEAUPG</td>
<td><a href="http://www.seaupg.org">www.seaupg.org</a></td>
</tr>
<tr>
<td>The Road Information Program</td>
<td>TRIP</td>
<td><a href="http://www.tripnet.org">www.tripnet.org</a></td>
</tr>
<tr>
<td>Transportation Research Board</td>
<td>TRB</td>
<td><a href="http://www.trb.org">www.trb.org</a></td>
</tr>
<tr>
<td>World of Asphalt</td>
<td>WOA</td>
<td><a href="http://www.worldofasphalt.com">www.worldofasphalt.com</a></td>
</tr>
</tbody>
</table>

---
AEMA Awards Nominations
Due by October 31, 2014

The AEMA Hall of Fame Award: presented to an individual, active or retired, who is or was employed by a member firm, who has made a substantial contribution over the long term to the development of the Association or the advancement of the emulsion industry.

Recipients of the Hall of Fame Award:
1981 - Alvyn J. Day / John Trumbull
1982 - Joseph Seaton
1983 - John J. Shelly
1988 - Richard D. Hatfield
1989 - Leo A. McArthur
1994 - Hans G. Schreuders
1995 - Steven Muncy
1996 - Jacques Gaultier
1997 - L.S. “Bill” Brake / John Huffman
1998 - Norman R. Aguirre
2003 - Alan James
2004 - Richard Koleas
2005 - Alain LeCoroller
2009 - Koichi Takamura
2012 - Mike Kelly
2014 - Myles McKemie

The AEMA Recognition of Achievement Award: presented to an individual, active or retired, who has made a significant contribution to emulsion technology or the advancement of the emulsion industry.

Recipients of the Recognition of Achievement Award:
1981 - Norman W. McLeod
1982 - Jack N. Dybalski
1983 - Donald L. Nielsen
1984 - Harold W. Muncy
1985 - Roger Pemberton
1986 - Buddy W. McClintock
1988 - Dante R. Finocchi
1989 - Norman R. Aguirre
1990 - Blake Smith
1995 - Gustavo Rivera
1996 - C. Robert “Ben” Benedict (Awarded posthumously)

Award information is also available at www.aema.org

Logo Available to Members

The AEMA Logo is available to AEMA members in an electronic version; we will be pleased to send you one. For an electronic version of the AEMA logo, contact krissoff@aema.org.
AEMA Awards Ballot

Each year, the Asphalt Emulsion Manufacturers Association will honor those who have made outstanding contributions to the Asphalt Emulsion industry.

- **Hall of Fame Award** is presented to an individual, active or retired, who is or was employed by a member firm, who has made a substantial contribution over the long term to the development of the Association or the advancement of the emulsion industry.

  **Nominator:** _____________________
  **Title** ______________________________________
  **Company** ___________________________________
  **Street** _____________________________________
  **City** ___________ **State** _____ **Zip** ______
  **Country** ___________________________________
  **E-Mail** _____________________________________
  **Phone** ( ___ ) _______________________________
  **Signature** __________________________________

- **Recognition of Achievement Award** is presented to an individual, active or retired, who has made a significant contribution to emulsion technology or the advancement of the emulsion industry.

  **Nominee:** ______________________
  **Title** ______________________________________
  **Company** ___________________________________
  **Street** _____________________________________
  **City** ___________ **State** _____ **Zip** ______
  **Country** ___________________________________
  **E-Mail** _____________________________________
  **Phone** ( ___ ) _______________________________

Please cite specific contributions, research activities, project data, or other information as the basis for award nomination. The nominating ballot must be completed in full. Details of the following must be attached:

- Nominee’s contribution to AEMA.
- Nominee’s contribution to the Asphalt Emulsion Industry.
- Nominee’s contribution to Asphalt Emulsion Technology.

- Return to AEMA no later than October 31, 2014.
- Awards will be presented at the 2015 Annual Meeting in Paris, France.
- Please do not fax.

**Office use only:**

Committee Review ____________________________
Board of Directors Approved __________________
Recipient notified ____________________________
ARRA Awards Nominations Due by October 1, 2014

ARRA Official Representatives:

On the next page is your Nominating Ballot for ARRA’s 2015 Special Recognition Awards. Please give your selection serious thought. Complete and return the ballot with supporting documentation to ARRA Headquarters no later than October 1, 2014. Our technical committees will review the ballots and supporting documentation during the PPRA Fall Meeting in Baltimore, Maryland on November 17 – 19, 2014, and make their choices accordingly.

Late ballots, incomplete ballots, and ballots without the proper supporting documentation will not be considered. Please be sure to submit detailed written documentation to support your nomination.


P.S. Please mail your submissions; do not fax!

ARRA Special Recognition Award Recipients

Each year, since 1985, ARRA has presented special recognition awards to deserving public officials for their overall professional contribution to & their recognition & promotion of the asphalt recycling & reclaiming industry. Past recipients are:

Cold In-Place Recycling
- Dale D. Allen, Oregon DOT (1986)
- Douglas I. Hanson, New Mexico State Highway Dept. (1987)
- Dean A. Stewart, Kansas DOT (1988)
- Charley E. Johnson, Bureau of Indian Affairs, Arizona (1989)
- Larry R. Mattusch, Clinton County, Iowa (1989)
- Donald W. Anderson, South Dakota DOT (1991)
- Graham Zeisner, Reg I Municipality Ottawa-Carleton (1992)
- Curt Turgeon, Minnesota DOT (1993)
- Robert K. Simmerling, Muscatine County, Iowa (1994)
- Robert L. Gambert, PE, Tama County, Iowa (1996)
- Gary Shaw, Grey County, Ontario (1997)
- Stephen A. Cross, Ph.D., P.E., University of Kansas (1999)
- Brian Knox, P.E., County of Bruce, Ontario (2000)
- Bronson Moore, Fulton County Highway Department (2001)

Charles R. Valentine Award for Excellence - Cold In-Place Recycling

Cold Planing
- Kaye M. Bieniek, Olmsted County, Minnesota (2005)
- Joe Schroer, Missouri DOT (2006)
- Tom Kazmierowski, Ministry Transportation Ontario (2008)
- Souri Amirani, City of Santa Ana, California (2011)
- Amy Schoorover, P.E., City of Charlotte, Michigan (2012)
- Mike Neil, Director of Construction Support Services (2013)
- Tara Liske, Surface Materials Engineer Manitoba Infrastructure & Transportation (2013)
- Dave Laurie, Director, County of Huron, Goderich Ontario (2014)
- Mike Alcococ, CET, County of Huron, Goderich Ontario (2014)

John A. Miller Award for Excellence in Cold Planing
- George Muscato, Nevada DOT (1991)
- Bruce Kolwicz, City of Milford, CT (2008)

Full-Depth Reclamation
- G.J. Russo, Massachusetts Port Authority (1990)
- Michael A. Mastropietro, Rensselaer County, NY (1991)
- E.J. Romero, Jr., City of Port Arthur, Texas (1992)
- William Shane, PE, Town of Yarmouth, Maine (1994)
- Timothy VonNeida, Chemung County, New York (1995)
- Paul Cassillo, Dutches County, New York (1997)
- Chris Bauserman, Delaware County Engineer, Ohio (2001)
- Jeffrey Seton, Victoria Co. Eng. Lindsay, Ontario (2001)
- Mic Dahlberg, Chicago County Public Works, Maine (2002)
- R. Wayne Young, CET, CRS, Town of Innisfil, ON (2003)
- Frank S. Bland, Jr., PE, Dist. 4 South Carolina DOT (2004)
- William J. Monstrola, PennDOT, District 12-0 (2005)
- Philip L. Koebel, P.E., Cummins Engineering (2007)
- Henry Hawkins, Chamber County, Alabama (2011)
- Ken Longo, Manchester, Connecticut (2012)
- Paul Ingham, Director of Operations, Markham, ON (2013)
- Ben Kester, CET, CRS-S, Director of Public Works & Operations, Township of Uxbridge, Ontario, Canada (2014)

Cold Planing
- Vito Sciscioi, City of Syracuse, New York (1987)
- William E. Page, Alabma DOT (1990)

Hot Recycling
- Joseph C. Goldhammer, San Diego County, CA (1986)
- Lewis M. Gurley, Pennsylvania DOT (1986)
- J. Bradley Kutzner, City of Poway, California (1987)
- Richard Wyatt, Oklahoma DOT (1987)
- Harlan Ritchie, City of Regina, Saskatchewan (1988)
- Robert C. Mills, Federal Aviation Administration, OK (1989)
- William D. Dunham, City of Peoria, Illinois (1990)
- Pete Ragone, County of Suffolk, New York (1991)
- Raymond S. Caches, City of Chicago, Illinois (1992)
- L.D. Johnson, City of La Verne, California (1993)
- Mike Bishop, BC Ministry of Transportation & Highways (1994)
- Carl L. Landon, Orange County, Florida (1996)
- Viren Shah, P.E., City of Fontana, California (1999)
- Michael Bettenhausen, Village of Tinley Park, Illinois (2009)
- Cook County Illinois Highway Department (2011)
- Orange County Public Works, Orange County, FL (2012)

Hot Recycling
- Donald C. Przybyl, Ohio DOT (1986)
- F.P. de Groot, City of Rotterdam, The Netherlands (1987)
- Maureen Kindel, City of Los Angeles, California (1987)
- Gale C. Page, Florida DOT (1988)
- John DiRenzo, Venice, Florida (1990)
- Papkin Hovasapian, City of Los Angeles, California (2001)

General
- Wade Betenson, Utah DOT (1985)
- Myron D. Calkins, City of Kansas City, Missouri (1985)
- George de Chellis, City of Beverly Hills, California (1985)
- Glen Harris, City of Vallejo, California (1985)
- Steven E. Kaer, City of Naperville, Illinois (1985)
- Stanley E. Scholl, City of Santa Ana, California (1985)
- Thomas Stremisch, CALTRANS (1985)
- David G. Snider, City of Springfield, Missouri (1985)
- *George Swier, City of Bloomington, Illinois (1985)
- Oral Taylor, City of El Dorado, Kansas (1985)
- H.E. Wallace, Kansas DOT (1985)
- Dean Testa, Kansas DOT (1990)
- Nicholas Santora, Schenectady County, New York (1995)

*Charles R. Valentine Award for Excellence - Cold In-Place Recycling
- *George Swier, City of Bloomington, Illinois (1985)
- Oral Taylor, City of El Dorado, Kansas (1985)
- H.E. Wallace, Kansas DOT (1985)
- Dean Testa, Kansas DOT (1990)
- Nicholas Santora, Schenectady County, New York (1995)

Cold Planing
- Vito Sciscioi, City of Syracuse, New York (1987)
- William E. Page, Alabma DOT (1990)

Cold Planing
- Vito Sciscioi, City of Syracuse, New York (1987)
- William E. Page, Alabma DOT (1990)

The Richard E. Lowell ARRA President’s Award Winners
The ARRA President’s Award is presented periodically, at the discretion of the President, to an individual who has, through long term involvement, worked to advance the goals of the Asphalt Recycling & Reclaiming Association and to promote the growth and technological advances of the industry. This award was officially renamed in 1996 to honor Richard E. Lowell.

1985 - *W.D. “West” Shoup, Roads & Bridges Magazine
1988 - Douglas A. Bernard, Federal Highway Administration
1994 - W.M. (Mike) Lackey, Kansas Department of Transportation
1995 - The Honorable Richard M. Daley, Mayor, City of Chicago
1999 - William Canessa, P.E., Consulting Engineer
2000 - Bill Swisher, CIM Corporation
2001 - Ted Dankert, Dustrol, Inc.
2003 - *Kirk Landers, Better Roads Magazine
2004 - John Huffman, Brown & Brown, Inc. (retired)
2008 - Ed Kearney, Consultant (retired)
2010 - Jim Halverson, Pavement Recycling Systems, Inc. (retired)

ARRA Awards Nominations Due by October 1, 2014

ARRA Official Representatives:

On the next page is your Nominating Ballot for ARRA’s 2015 Special Recognition Awards. Please give your selection serious thought. Complete and return the ballot with supporting documentation to ARRA Headquarters no later than October 1, 2014. Our technical committees will review the ballots and supporting documentation during the PPRA Fall Meeting in Baltimore, Maryland on November 17 – 19, 2014, and make their choices accordingly.

Late ballots, incomplete ballots, and ballots without the proper supporting documentation will not be considered. Please be sure to submit detailed written documentation to support your nomination.


P.S. Please mail your submissions; do not fax!
2015 SPECIAL RECOGNITION AWARDS

NOMINATING BALLOT

Each year, the Asphalt Recycling & Reclaiming Association will honor public officials and consulting engineers who have made outstanding contributions to the Asphalt Recycling and Reclaiming industry.

The following rules will govern the selection:

1. The nominating ballot must be completed in full and delivered with supporting documentation to ARRA Headquarters by October 1, 2014.
2. Late or incomplete nominations will not be considered.
3. Nominations will be forwarded to the respective technical committees for final approval at the PPRA Fall Meeting, November 17 – 19, 2014, in Baltimore, Maryland.
4. Notice of Intent to Award will be issued to each approved nominee by the Executive Director in December 2014.

| NOMINATOR: _____________________________ | NOMINEE: _____________________________ |
| Title_______________________________ | Title_______________________________ |
| Company __________________________ | Agency ____________________________ |
| Street ____________________________ | Street ____________________________ |
| City __________ State __ Zip ________ | City __________ State __ Zip ________ |
| Email_____________________________ | Email_____________________________ |
| Phone (         ) ___________________ | Phone (         ) ___________________ |
| Signature _________________________ | Category _________________________ |

Awards will be categorized in accordance with the ARRA technical committee descriptions:

- Cold Recycling
- Hot Recycling
- Hot In-Place Recycling
- Full Depth Reclamation
- Cold Planing
- Soil Stabilization

SPECIFIC BASIS FOR NOMINATION: On a separate sheet, the nominator must provide the following detailed information to support his nomination:

Nominee's involvement with specific project(s); Include job story;

History of nominee's personal or departmental activities that promoted advancement or acceptance of recycling methods; and

Research, if any, conducted by nominee that has advanced the technological capabilities of the recycling method.

RETURN NOMINATION BALLOT BY OCTOBER 1, 2014. PLEASE DO NOT FAX.
The 2015 ISSA President’s Award

The ISSA President’s Award was established in 2000 to recognize those contracting achievements that best exemplify the highest quality of workmanship and materials, and conformance to best practices as defined by the International Slurry Surfacing Association.

Eligible Participants

All ISSA member contractors in good standing are eligible.

Eligible Projects

To be eligible for the ISSA President’s Award, the project must have been completed:

- And accepted by the project owner within 24 months of the Award submission deadline date;
- On time, within budget and with NO safety issues; and
- Without the use of subcontractors to perform preservation techniques represented by ISSA.

Submissions

Applicant must provide the details below in powerpoint presentation format in ONE file on ONE compact disc. Do not include hard copies, notebooks, or thumbdrives. Name the file according to this format: 2014 Company Name – Project Name

- Name and business address of the ISSA Member contracting company and contact information for the person submitting the application.
- Information that assures each of the eligibility requirements are met.
- Regarding the roadway upon which the treatment(s) is performed:
  - the name of the roadway and/or its numerical designation
  - contact information for the agency or organization responsible for the project
  - the specific location of the project
  - a map or driving directions to the project site
  - a written description of the roadway outlining the need for the treatment(s)
  - relevant information on the roadway (such as the construction and maintenance history, ADT or traffic type and volume)
- At least 5 but no more than 10 high quality photographs, suitable for publication, adequately representing the pavement prior to the treatment(s) being applied, the application process, and the completed project after it has been returned to traffic. If more than one ISSA discipline is performed on the project, submit a set of photographs meeting the above requirements for each treatment.
- Relevant information such as:
  - a copy of the mix design used on the project;
  - a copy of the specifications used to govern the project, including design and raw materials; and
  - a list of raw materials and the suppliers of those materials
- A descriptive summary of the project detailing the job and any key issues that led to the job’s completion is required.
- A statement outlining the reasons the submitted project should receive an award.
- Complete contact details for the appropriate agency personnel (mayor, public works director, etc.), editor of newspaper of the community where the project was completed, to those same offices of the community where the contractor maintains its corporate headquarters, and to the head of the hiring body that commissioned the project.

Judging Criteria

Submissions will be judged on the following:

- Customer Satisfaction - The customer must be satisfied with the project. Statements from a representative of the project owner are suggested.
- Innovation - Projects that exhibit innovation related to the application or utilization of an ISSA-supported discipline, and projects that are unique, difficult or require higher levels of professionalism to complete will be given greater consideration.
- Appearance – The aesthetic value of the project will be considered to be directly related to the quality, care and workmanship of the applicant.
- Safety – To the extent that can reasonably be expected to control, employees of the contracting company, the traveling public and others associated with the project should be provided a safe environment on the project site and all related areas such as stockpile or staging sites. Documentation to this effect is to be included.

Continued on page 44
Submission Requirements – Each of the items outlined in the submission section are important. The quality of this information including the method in which it is presented will be evaluated.

Judging

The ISSA President will appoint a 5-member Judging Committee, at least one member of which must be a current member of the ISSA Board of Directors, at least one member of which must be a representative of an ISSA Contracting Member, and at least one member of which must be a licensed Civil Engineer or an individual whose knowledge of the roadway industry is considered expert.

The ISSA President will identify a Chair of the Judging Committee whose responsibility will include communication with the selection committee and ISSA Executive Director regarding the operation of the judging process and the disposition of the committee’s decision.

Judging is made solely on the criteria outlined in this document.

The decision of the Judging Committee is final.

The award(s) will be presented at the ISSA Annual Convention.

Deadline

Completed entries meeting all requirements must be in the possession of ISSA no later than November 30, 2014.

Submit ONE compact disc to ISSA at the address below. Do not include hard copies, notebooks, or thumb drives.

ISSA
#3 Church Circle - PMB 250
Annapolis, MD 21401
USA
ATTN: Awards Committee

Past Recipients of the ISSA President’s Award for Excellence

Roadway projects submitted for consideration are judged on the merits of customer satisfaction, innovation, schedule completion, and safety.

2014
VSS International, Inc.
West Sacramento, California

2013
Valley Slurry Seal
West Sacramento, California

2012
Micro-Surfacing Inc.
Peoria, Illinois

2011
Intermountain Slurry Seal
Salt Lake City, Utah

2010
American Pavement Preservation
Las Vegas, Nevada

2009
Intermountain Slurry Seal, Inc.
Salt Lake City, Utah

2008
Intermountain Slurry Seal, Inc.
Salt Lake City, Utah

2007
Intermountain Slurry Seal, Inc.
Salt Lake City, Utah

2006
Intermountain Slurry Seal, Inc.
Salt Lake City, Utah

2005
Strawser, Inc.
Columbus, Ohio

2004
Emoleum
Port Adelaide, Australia

2003
Ballou Construction Company, Inc.
Salina, Kansas

2002
CSR Emoleum
Port Adelaide, Australia

2001
Micro-Surfacing, Inc.
Peoria, Illinois

2000
CSR Emoleum
Port Adelaide, Australia

The 2015 ISSA President’s Award - Continued from page 43

• Submission Requirements – Each of the items outlined in the submission section are important. The quality of this information including the method in which it is presented will be evaluated.

Judging

The ISSA President will appoint a 5-member Judging Committee, at least one member of which must be a current member of the ISSA Board of Directors, at least one member of which must be a representative of an ISSA Contracting Member, and at least one member of which must be a licensed Civil Engineer or an individual whose knowledge of the roadway industry is considered expert.

The ISSA President will identify a Chair of the Judging Committee whose responsibility will include communication with the selection committee and ISSA Executive Director regarding the operation of the judging process and the disposition of the committee’s decision.

Judging is made solely on the criteria outlined in this document.

The decision of the Judging Committee is final.

The award(s) will be presented at the ISSA Annual Convention.

Deadline

Completed entries meeting all requirements must be in the possession of ISSA no later than November 30, 2014.

Submit ONE compact disc to ISSA at the address below. Do not include hard copies, notebooks, or thumb drives.

ISSA
#3 Church Circle - PMB 250
Annapolis, MD 21401
USA
ATTN: Awards Committee
ARRA Welcomes New Members

AFFILIATE MEMBERSHIP

CHERRY, WEBER AND ASSOCIATES, PC
20 Gibson Place, Suite 100
Freehold, NJ 07728
Web www.cherryweber.com
Phone 732-303-8700
*Gregory Bitsko, P.E., Senior Director of Structural Engineering
gbitsko@cherryweber.com
Firm is engaged in: Consulting Engineering for Transportation Projects

ARRA Logo Available to Members

The ARRA logo is available for distribution to ARRA members. This is useful for use in stationery, advertising graphics, brochures, websites, etc. To receive the logo via e-mail, just send a note to ARRA headquarters: krissoff@arra.org

ISSA Welcomes New Members

INTERNATIONAL SUPPLIER MEMBERSHIP

VECTRA
34, rue de Panicafe
La Verriere 78320
France
Web www.vectra.fr
Phone +33 7 87 56 93 68
Email christine.deneuvillers@vectra.fr
Christine Deneuvillers, CEO
Road Engineering for road asset management/
Equipment for road measurement supplier

ASSOCIATE MEMBERSHIP

HERITAGE RESEARCH GROUP
7901 W. Morris Street
Indianapolis, IN 46231
Phone 734-770-9106
Email joe.brandenburg@hrglab.com
Web www.thginfo.com
Joe Brandenburg, Emulsion Research & Technical Specialist
Research and Development
## BOARD OF DIRECTORS

**President** - Mark McCollough  
Asphalt Materials Inc., Indianapolis, IN  
314-249-0839  
mccollough@asphalt-materials.com

**Vice President** - Archie Reynolds  
Walker Emulsions, Burlington, ON Canada  
905-336-1216  
areynolds@walkerind.com

**Secretary/Treasurer** - Mark Ishee  
Ergon Asphalt & Emulsions, Inc., Jackson, MS  
601-933-3000  
ishee@ergon.com

**Past President** - Bucky Brooks  
Asphalt Materials Inc., Oregon, OH  
419-693-0626  
bucky.brooks@asphalt-materials.com

**Director** - Diane Franseen  
H.G. Meigs, LLC, Portage, WI  
608-742-5354  
dfranseen@asphalttechgroup.com

**Director** - Hans Ho  
Telfer Oil Company, Martinez, CA  
925-228-1515 x1329  
hansho@telferoll.com

**Director** - Dan Koeninger  
Terry Asphalt Materials Inc., Hamilton, OH  
513-673-8840  
dkoeninger@terryasphalt.com

**Director** - Craig Moore  
Cleveland Asphalt Products, Shepherd, TX  
800-334-0177  
ccmcapco@msn.com

**Director** - Mark Smith  
Vance Brothers Inc., Kansas City, MO  
816-923-4325  
msmith@vancebrothers.com

**Supplier Member Rep** - Todd Ryne  
Akzo Nobel Surface Chemistry LLC, Chicago, IL  
312-543-9443  
todd.ryne@akzonobel.com

**International Member Rep** - Jean Claude Roffe  
Colas, Boulogne Billancourt Cedex France  
+33-1 476-17380  
jeanclaude.roffe.ext@colas.com

**ITC Chairman** - Mike Hemsley  
Paragon Technical Services, Richland, MS  
601-932-8365  
mike.hemsley@ptslab.com

**Environmental & Regulatory Issues** - Everett Crews  
MeadWestvaco Corporation, N. Charleston, SC  
843-746-8470  
everett.crews@mww.com

## COMMITTEES

**Annual Meeting Program Planning** - Archie Reynolds  
Walker Emulsions, Burlington, ON Canada  
905-336-1216  
areynolds@walkerind.com

**Mike Hemsley**  
Paragon Technical Services, Inc., Richland, MS  
601-932-8365  
mike.hemsley@ptslab.com

**Asphalt Institute Liaison** - Bucky Brooks  
Asphalt Materials Inc., Oregon, OH  
419-693-0626  
bucky.brooks@asphalt-materials.com

**ASTM Liaison** - Andrew Bickford  
MeadWestvaco Corporation, N. Charleston, SC  
843-746-8156  
bickfordm@meadwestvaco.com

**Emulsion Task Force Liaison** - Arlis Kadmas  
BASF Corporation, Wichita, KS  
316-200-7326  
aris.kadmas@basf.com

**Finance** - Mark Ishee  
Ergon Asphalt & Emulsions, Inc., Jackson, MS  
601-933-3000  
ishee@ergon.com

**International Bitumen Emulsion Federation** - Gaylon Baumgardner  
Paragon Technical Services, Inc., Jackson, MS  
601-933-3000  
gaylon.baumgardner@ptslab.com

**International Symposium on Asphalt Emulsion Technology 2016** - Gaylon Baumgardner  
Paragon Technical Services, Inc., Jackson, MS  
601-933-3000  
gaylon.baumgardner@ptslab.com

**Membership** - Bucky Brooks  
Asphalt Materials Inc., Oregon, OH  
419-693-0626  
bucky.brooks@asphalt-materials.com

**Pavement Preservation ETG** - Mark Ishee  
Ergon Asphalt & Emulsions, Inc., Jackson, MS  
601-933-3000  
ishee@ergon.com

**PPRA - Mark Ishee**  
Ergon Asphalt & Emulsions, Inc., Jackson, MS  
601-933-3000  
ishee@ergon.com

**Mark McCollough**  
Asphalt Materials Inc., Indianapolis, IN  
314-249-0839  
mccollough@asphalt-materials.com

**Archie Reynolds**  
Walker Emulsions, Burlington, ON Canada  
905-336-1216  
areynolds@walkerind.com

**PPRA 2014 Meeting** - Diane Franseen  
H.G. Meigs, LLC, Portage, WI  
608-742-5354  
dfranseen@asphalttechgroup.com

**Supplier Members** - Todd Ryne  
Akzo Nobel Surface Chemistry LLC, Chicago, IL  
312-543-9443  
todd.ryne@akzonobel.com

---

### ITC - International Technical Committee

**Mike Hemsley (Chairman)**  
Paragon Technical Services, Inc., Richland, MS  
601-932-8365  
mike.hemsley@ptslab.com

**Joe Brandenburg (Vice Chairman)**  
Asphalt Materials Inc., Indianapolis, IN  
734-770-9106  
joeb@brandenburg jurhlab.com

**Committee on Education** - Barry Baughman  
ULTRAPAVE Corporation, Dalton, GA  
706-277-1300  
baughman@trcc.com

**Committee on Emulsion Materials** - Roger Hayner  
859-620-1295  
rotherhayner.com

**Committee on Maintenance Technology** - Arlis Kadmas  
BASF Corporation, Wichita, KS  
316-200-7326  
aris.kadmas@basf.com

**Committee on Paving Technology** - Marty Burrow  
Vance Brothers Inc., Kansas City, MO  
816-923-4325  
mburrow@vancebrothers.com

**Environmental & Regulatory Issues** - Everett Crews  
MeadWestvaco Corporation, N. Charleston, SC  
843-746-8470  
everett.crews@mww.com
AEMA Members
Go to www.aema.org to more information for all AEMA members.

**NORTH AMERICAN MANUFACTURER MEMBERS**
- Albina Fuel Company
- Asphalt Emulsion, Inc.
- Asphalt Materials Inc.
- Asphalt Products Unlimited Inc.
- Asphalt Systems Inc.
- Associated Asphalt
- Blacklidge Emulsions, Inc.
- BTB Corporation
- California Commercial Asphalt, LLC
- Calumet Specialty Products LLP
- Cleveland Asphalt Products
- Coastal Energy Corporation
- COBITCO, Inc.
- Duncor Enterprises Inc.
- Dynasol
- Emulsion Products Company
- Ergon Asphalt & Emulsions Inc.
- Eurovia Group
- Flint Hills Resources LP
- Gorman Group
- Greater Cincinnati Asphalt Terminal
- Heartland Asphalt Materials
- Henry G. Meigs LLC
- Holly Frontier
- Hudson Materials Co.
- Idaho Asphalt Supply Inc.
- Jebro Inc.
- Marathon Petroleum Corporation
- Martin Asphalt Company
- McAsphalt Industries Ltd.
- Michigan Paving & Materials Co.
- Midland Asphalt Materials, Inc.
- Missouri Petroleum
- New England Emulsions Corp.
- Pacific Emulsions, Inc.
- Peterson Oil Company
- Pounder Emulsions - A division of Husky Oil Limited
- Quality Emulsions, LLC
- Reed & Graham Inc.
- Road Science, Division of ArrMaz Custom Chemicals
- Russell Standard Corp/Hammaker East, Ltd.
- S&S Emulsions
- STEB Division of Sintra Inc.
- Talley Oil Inc.
- Telfer Oil Co.
- Terry Asphalt Materials, Inc.
- Tri-State Asphalt, LLC
- Unique Paving Materials Corp.
- US Oil & Refining Company
- Vance Brothers, Inc.
- Vestal Asphalt Inc.
- VSS International, Inc.
- Walker Emulsions
- Western Asphalt Products
- Western Emulsions Inc.

**INTERNATIONAL MANUFACTURER MEMBERS**
- Asphalt Processors Inc.
- Colas SA
- Reda National Company
- Tipco Asphalt Public Co., Ltd.

**SUPPLIER MEMBERS**
- AKZO NOBEL Surface Chemistry LLC
- BASF Corporation
- CorsiTech
- Dalworth Machine
- E.D. Etnyre & Co.
- HEATEC Inc.
- Innophos, Inc.
- International Tank Service, Inc.
- Kao Specialties Americas LLC
- Kraton Polymers, LLC
- McConnaughay Technologies
- MeadWestvaco Corporation
- Momentum Technologies International, a division of RCMA Americas, Inc.
- Pinova Inc.
- ULTRAPAVE Corporation

**ASSOCIATE MEMBERS**
- American Refining Group
- Asphalt Technologies Group
- Auxilia Consulting Services LLC
- Bitumar USA, Inc.
- Finocchi & Associates
- InVia Pavement Technologies, LLC
- Maritime Asphalt Emulsion Inc.
- MTE Services, Inc.
- Paragon Technical Services Inc
- Patch Management
- Pavement Preservation Systems, LLC
- RAD Inc.
- Scott Construction
- West-Can Seal Coating

**INDIVIDUAL MEMBERS**
- Asphalt Contractor/Cygnus Business Media
- Daniel T. Murphy
- German Hernandez
- Roeslin & Associates, Inc
- Roger Hayner
- University of Arkansas

**HONORARY MEMBERS**
- Norman R. Aguirre
- Jack N. Dybalski - Consultant
- *Jim Sorenson - Federal Highway Administration
- Donald L. Nielsen

*deceased
Asphalt Recycling & Reclaiming Association
2014 - 2015 Board of Directors & Committees

BOARD OF DIRECTORS

President - Patrick Faster
Gallagher Asphalt Corporation, Thornton, IL
708-877-7160
pfaster@gallagherasphalt.com

Vice President - Ryan Essex
Miller Paving Limited, Gormley, ON Canada
905-726-9518
ryan.essex@millergroup.ca

Secretary/Treasurer - John Irvine
Roadtec, Chattanooga, TN
319-431-0594
jirvine@roadtec.com

Past President - Bill Garrity
Garrity Asphalt Reclaiming Inc., Bloomfield, CT
860-243-2300
bill.garrity@garrityasphalt.com

Director - Darren Coughlin
Coughlin Company, St. George, UT
435-634-1266
darren@coughlincompany.com

Director - Dale Cronauer
Blount Construction Co., Inc., Marietta, GA
770-541-7333
dcronauer@blountconstruction.com

Director - Tom Kiernan
Lafarge Corporation, Lockport, IL
630-514-5284
tom.kiernan@lafarge-na.com

Director - Terry Sharp
Caterpillar Paving Products Inc., Maple Grove, MN
763-315-5503
sharp_terry_g@cat.com

Director - Ron Wilson
Dustrol, Inc., Towanda, KS
316-619-4429
rwilson@dustrol.com

Technical Director - Stephen A. Cross, Ph.D., PE
Oklahoma State University, Stillwater, OK
405-744-7200
steve.cross@okstate.edu

Legal Counsel - David H. Baker
Law Offices of David H. Baker LLC, Washington, DC
202-253-4347
david.baker@dhbakerlaw.com

Executive Director - Mike Krissoff
ARRA, Annapolis, MD
410-267-0023
krissoff@arra.org

ARRA COMMITTEES

Affiliate Members - Stephanie Drain
S. Drain Engineering of IL, Charleston, IL
312-919-9527
stephdrain@sdrainengineering.com

Annual Meeting Program - Stephen A. Cross, Ph.D., PE
Oklahoma State University, Stillwater, OK
405-744-7200
steve.cross@okstate.edu

Todd Thomas
Colas Solutions Inc., Cincinnati, OH
973-610-2260
thomas@colasinc.com

Government Relations - John Rathbun
Cutler Repaving Inc., Lawrence, KS
785-843-1524
jrathbun@cutlerrepaving.com

Membership - John Irvine
Roadtec Inc., Chattanooga, TN
800-272-7100
jirvine@roadtec.com

Pavement Preservation ETG - Mike Polak
E.J. Breneman LP, West Lawn, PA
610-678-1913
mpolak@ejbreneman.com

PPRA - Patrick Faster
Gallagher Asphalt Corporation, Thornton, IL
708-877-7160
pfaster@gallagherasphalt.com

Ryan Essex
Miller Paving Limited, Gormley, ON Canada
905-726-9518
ryan.essex@millergroup.ca

Bill Garrity
Garrity Asphalt Reclaiming Inc., Bloomfield, CT
860-243-2300
bill.garrity@garrityasphalt.com

PPRA Meeting - John Irvine
Roadtec Inc., Chattanooga, TN
800-272-7100
jirvine@roadtec.com

Supplier Members - Tom Kiernan
Lafarge Corporation, Lockport, IL
630-514-5284
tom.kiernan@lafarge-na.com

COMMITTEE ON RECYCLING EDUCATION (CORE)
TECHNICAL SUBCOMMITTEES

Technical Director - Stephen A. Cross, Ph.D., PE
Oklahoma State University, Stillwater, OK
405-744-7200
steve.cross@okstate.edu

Cold Planing - Tom Chastain
Wirtgen America Inc., Antioch, TN
615-501-0600
tchastain@wirtgenamerica.com

Cold Recycling - Jason Wielinski
Asphalt Materials, Inc./Heritage Research Group, Indianapolis, IN
317-519-3565
jason.wielinski@hrglab.com

Full Depth Reclamation/Soil Stabilization - Kimbel Stokes
The Miller Group Inc., Morrow, GA
770-968-9100
kimbel.stokes@millergroup.ca

Hot In-Place Recycling - Patrick Faster
Gallagher Asphalt Corporation, Thornton, IL
708-877-7160
pfaster@gallagherasphalt.com

Technical Review - Todd Thomas
Colas Solutions Inc., Cincinnati, OH
973-610-2260
thomas@colasinc.com
Using a rotary mixer just makes more sense. The RM500 grinds up existing pavement and mixes it in place with base materials and any other specified remedial agents.

Costs are saved on pavement removal and/or replacement, plus any existing problems in the base are remedied.

The result is a better road built at a fraction of the time and cost of total reconstruction, with less cost for future maintenance and longer life than an overlay.

The RM500 is the greener, cost effective alternative for road rehabilitation. Check out the RM500 at your local Cat dealer today.

www.cat.com/paving
ARRA Members
Go to www.arra.org to find information for all ARRA members.

**CONTRACTOR MEMBERS**
- All States Asphalt Inc.
- Alpha Milling Company, Inc.
- ARS Companies, Inc.
- Asphalt Busters
- Base Construction Technologies, Inc.
- Blount Construction Co., Inc.
- Byrne & Jones Stabilization
- Coughlin Company, Inc.
- Cruickshank Construction
- Cutler Repaving Inc.
- Donegal Construction Corp.
- Dunn Company, Div of Tyrolt Inc.
- Dustrol Inc.
- E.J. Brenerman Inc.
- Ellis Consolidated Pty. Ltd.
- Flex-Tech Resources Ltd.
- Fonseca McElroy Grinding Co., Inc.
- Gazzola Paving Limited
- George & Lynch Inc.
- Green Roads Recycling Ltd.
- James J. Anderson Construction
- Koss Construction Company
- Lanford Brothers Co.
- Lavis Contracting Company, Ltd.
- Manatt's Inc.
- Maritime Road Recycling Inc.
- Maverick Milling
- Midstate Reclamation, Inc.
- Miller Paving Limited
- Mt. Carmel Stabilization Group Inc.
- Municipal CIP Recycling Ltd.
- Pavement Recycling Systems, Inc.
- Paveover, Inc.
- Payne & Dolan Inc.
- Reclamation Inc. of Kingston
- Recon Construction Services Inc.
- Roadway Management Inc.
- Rock Solid Stabilization & Reclamation, Inc.
- ROTO-MILL INC.
- Ruston Paving Co., Inc.
- Sanders Brothers Construction, Inc.
- Slurry Pavers Inc.
- Specialties Company, LLC
- Swank Construction Company, LLC
- Tenmile Creek Excavating, LLC
- Terra Firma Stabilization & Reclamation
- The Lane Construction Corporation
- The Miller Group Inc.
- Turner Asphalt, Inc.
- Wadel Stabilization, Inc.

**SUPPLIER MEMBERS**
- Asphalt Materials, Inc.
- BLS Enterprises, Inc.
- BOMAG Americas, Inc.
- Carmeuse Lime and Stone
- Caterpillar Paving Products Inc.
- Colas Solutions Inc.
- Ergon Asphalt & Emulsions, Inc.
- Essroc (ital cementi) Group
- Fusion Inc.
- Graymont Inc.
- JADCO Manufacturing Inc.
- Kenco Engineering, Inc.
- Kenna metal Inc.
- Lafarge, Inc.
- MeadWestvaco Corporation
- Mintek Resources Inc
- Road Science, A Div. of ArrMaz
- Custom Chemicals
- ROADTEC Inc.
- Sandvik MGT Construction Tools
- Sol lami Company
- Stoltz Mfg., LLC
- Superior Tire & Rubber Corp.
- Tricor Refining
- Tri-State Asphalt, LLC
- Tungco Inc.
- Western Emulsions, Inc.
- Wirtgen America Inc.

**AFFILIATE MEMBERS**
- Alt & Witzig Engineering
- AME Materials Engineering
- American Engineering
- Applied Pavement Technology, Inc.
- Asphalt Contractor/Cygnus Business Media
- Asphalt Pavement & Recycling Technologies, Inc.
- Benchmark Inc.-Pavement Consulting Div.
- Bitumix Solutions
- Braun Intertec
- Cement Council of Texas
- City of Edmonton Transportation Dept.
- City of Glendora
- City of Los Angeles DPW
- Construction Equipment Guide
- Construction Materials Services, Inc.
- Cummins Engineering Corporation
- Dakota Asphalt Pavement Association
- DBA Engineering Ltd.
- Delaware County Engineer
- ECS Mid-Atlantic, LLC
- Geo-Technology Associates, Inc.
- Jeff Zell Consultants
- JR Paine & Associates Ltd.
- Kercher Engineering Inc.
- La Belle - Marvin Inc.
- Le Sueur County Highway Department
- Loudon International

**AFFILIATE MEMBERS - continued**
- LVM Inc.
- Mason County Highway Dept.
- Mc Cleary Engineering
- Midland Standard Engineering & Testing, Inc.
- Missouri DOT
- Morris Engineering, Inc.
- National Center for Pavement Preservation
- Ontario Hot Mix Producers Assn
- Pavement Services, Inc.
- Portland Cement Association
- Road Recycling Council
- S Drain Engineering of IL, LLC
- Scott County Secondary Road Dept.
- Soil and Materials Engineers, Inc.
- Stancliffe Services LLC
- Stephen A Cross, Ph.D., PE
- Texas Road Recyclers
- The Barnhardt Group LLC
- Township of Plainsboro
- University of Maryland
- Virginia Asphalt Association
- Washington State County Road Admin Board
- Whitpain Township
- WHPacific Incorporated

**HONORARY MEMBERS**
- American Public Works Association
- Asphalt Institute
- Doug Bernard – Quixote Transportation Safety
- Roy G. Biscamp, PE – NMSPE
- Frank "Stan" Bland, Jr. – SCDOT
- *Ken Damgaard – Arizona Pavement Profiling
- Jon A. Epps – Granite Construction Inc.
- Luther Hall – Terex Roadbuilding
- Bill Heitschmidt
- Carl L. Monismith – Univ. of California – Berkley
- ECS Mid-Atlantic, LLC
- Geo-Technology Associates, Inc.
- Jeff Zell Consultants
- Jim Pickett – Pickett Consulting Group
- *Jim Sorenson - FHWA
- Al Sproull
- *Jack Taylor - Consultant
- Gordon F. Whitney PE – Whitney Consultants

*deceased
When Time Is Money, Speed Is Everything

Kennametal’s new ECO™ Pro tools are specially constructed so you can run your machines faster — with less fuel. That means significantly reduced overall operating costs, making RoadRazor ECO™ Pro an unmatched combination of ultimate service life, efficiency, and productivity.

- Lower operating costs.
- Reduced fuel consumption.
- Increased uptime and performance.
- Improved holder protection.

To experience the advantages of RoadRazor ECO™ Pro, contact your Kennametal salesperson or call 800.458.3608.
BOARD OF DIRECTORS

President - Christine Deneuvillers
VECTRA, La Verriere France
+33 7 87 56 93 68 christine.deneuvilliers@vectra.fr

Vice President - Rusty Price
Intermountain Slurry Seal, Salt Lake City, UT
801-526-6144 rusty.price@gcinc.com

Secretary - Carter Dabney
Slurry Pavers, Inc., Richmond, VA
804-264-0707 cdabney@slurrypavers.com

Treasurer - Eric Reimschiissel
American Pavement Preservation, Las Vegas, NV
702-507-5410 ericr@americanpave.com

Immediate Past President - Doug Ford
Pavement Coatings Company, Jurupa Valley, CA
714-826-3011 dford@pavementcoatings.com

Technical Director - Bob Jerman
MeadWestvaco Corporation, N. Charleston, SC
843-746-8155 robert.jerman@mwv.com

Director - Scott Bergkamp
Bergkamp Inc., Salina, KS
785-825-1375 scottb@bergkampinc.com

Director - Rex Eberly
Bergkamp Inc., Salina, KS
785-825-1375 rexe@bergkampinc.com

Director - Rich Francis
Southwest Slurry Seal Inc., Phoenix, AZ
623-582-1919 richardf@southwestslurryseal.com

Director - Doug Hogue
VSS Macropaver, Hickman, CA
209-874-2357 doug@slurry.com

Director - Howie Snyder
Vance Brothers, Inc., Kansas City, MO
816-923-4325 hsnyder@vancebrothers.com

Director - Larry Tomkins
Ergon Asphalt & Emulsions Inc., Jackson, MS
601-933-3000 larry.tomkins@ergon.com

Director - Dave Welborn
MWV Specialty Chemicals, N. Charleston, SC
918-237-3783 dave.welborn@mwv.com

General Counsel - David H. Baker
Law Offices of David H. Baker LLC, Washington, DC
202-253-4347 david.baker@dhabakerlaw.com

Executive Director - Mike Krissoff
ISSA, Annapolis, MD
410-267-0023 krissoff@slurry.org

COMMITTEES

Chipseal - Joe Brandenburg
Heritage Research Group, Indianapolis, IN
734-770-9106 joe.brandenburg@hrlab.com

Crack Treatment - Bryan Darling
Crafo Inc., Chandler, AZ
602-276-0406 bryan.darling@crafo.com

Slurry/Micro Surfacing - Rusty Price
Intermountain Slurry Seal, Salt Lake City, UT
801-526-6144 rusty.price@gcinc.com

Asia Market Development - Songchang Huang
Research Institute of Highways (RIOH), Naidian, Beijing, China
sc.huang@rioh.com

Dave Welborn (Co Chair)
MWV Specialty Chemicals, N. Charleston, SC
918-237-3783 dave.welborn@mwv.com

China Membership - Delong Wu
Shanghai Longfu Materials Technology Co., Ltd., Songjiang, Shanghai, PR China
wudelong@longfu.com.cn

Asia Technical Development & Promotion - Stephane Charmot
MWV China Holding - Asphalt Innovation Shanghai Application Center Shanghai, PR China stephane.charmont@mwv.com

Awards - Doug Ford
Pavement Coatings Company, Jurupa Valley, CA
714-826-3011 dford@pavementcoatings.com

Bylaws - Doug Ford
Pavement Coatings Company, Jurupa Valley, CA
714-826-3011 dford@pavementcoatings.com

2015 Convention - Carter Dabney
Slurry Pavers, Inc., Richmond, VA
804-264-0707 cdabney@slurrypavers.com

Bob Jerman (Convention Co-Chair)
MWV Specialty Chemicals, N. Charleston, SC
843-746-8155 robert.jerman@mwv.com

European Specifications - Jean Etienne Urbain
Europa Management, Rueil Malmaison, France
33 1 471 64858 jean-etienne.urbain@eurovia.com

Government Relations - Scott Bergkamp
Bergkamp Inc., Salina, KS
785-825-1375 scottb@bergkampinc.com

Industry Relations - Doug Hogue
VSS Macropaver, Hickman, CA
209-874-2357 doug@slurry.com

Information Services - Carter Dabney
Slurry Pavers, Inc., Richmond, VA
804-264-0707 cdabney@slurrypavers.com

International Members - Christine Deneuvillers
Colas SA, Magny Les Hameaux, France
33-1-39-30-93-62 deneuvillers@campus.colas.fr

Membership - Doug Ford
Pavement Coatings Company, Jurupa Valley, CA
714-826-3011 dford@pavementcoatings.com

Nominating - Doug Ford
Pavement Coatings Company, Jurupa Valley, CA
714-826-3011 dford@pavementcoatings.com

Past Presidents- Doug Ford
Pavement Coatings Company, Jurupa Valley, CA
714-826-3011 dford@pavementcoatings.com

PPRA - Christine Deneuvillers
Colas SA, Magny Les Hameaux, France
33-1-39-30-93-62 deneuvillers@campus.colas.fr

PPRA - Doug Ford
Pavement Coatings Company, Jurupa Valley, CA
714-826-3011 dford@pavementcoatings.com

PPRA - Bill Cooper
Bergkamp Inc., Salina, KS
785-825-1375 billc@bergkampinc.com

PPRA - Rusty Price
Intermountain Slurry Seal, Salt Lake City, UT
801-526-6144 rusty.price@gcinc.com

Slurry Systems Workshop - Rex Eberly
Bergkamp Inc., Salina, KS
785-825-1375 rexe@bergkampinc.com

Supplier Members - Bill Cooper
Bergkamp Inc., Salina, KS
785-825-1375 billc@bergkampinc.com

Technical Director - Bob Jerman
MWV Specialty Chemicals, N. Charleston, SC
843-746-8155 robert.jerman@mwv.com

Technical Marketing/Webinar - Larry Tomkins
Ergon Asphalt & Emulsions Inc., Jackson, MS
601-933-3000 larry.tomkins@ergon.com

Technical Response Team - Rich Wenthe (Chair)
MWV Specialty Chemicals, North Charleston, SC
843-637-7531 richard.wenthe@mwv.com

Bryan Darling
Crafo Inc., Chandler, AZ
602-276-0406 bryan.darling@crafo.com

Doug Ford
Pavement Coatings Company, Jurupa Valley, CA
714-826-3011 dford@pavementcoatings.com

Bob Jerman
MWV Specialty Chemicals, N. Charleston, SC
843-746-8155 robert.jerman@mwv.com

Carlos Mata Ascoli
Asfaltos de Centroamerica S.A. de C.V., San Salvador, El Salvador 503-773-0363 carlosmata@asfalca.com

Rusty Price
Intermountain Slurry Seal, Salt Lake City, UT
801-526-6144 rusty.price@gcinc.com

Joe Brandenburg
Heritage Research Group, Indianapolis, IN
734-770-9106 joe.brandenburg@hrlab.com

2014 - 2015 Board of Directors and Committees

International Slurry Surfacing Association
ISSA Members

Go to www.slurry.org to find detailed contact information for all ISSA members.

CONTRACTOR MEMBERS
A-1 Chipseal & Rocky Mountain Pavement
Alakona Corp.
American Asphalt Repair & Resurfacing Co.
American Pavement Preservation
American Pavements, Inc.
Asphalt Maintenance Solutions, LLC
Asphalt Surface Technologies Corp. (ASTECH)
Benedict Slurry Seal Inc.
Blackline, Inc.
California Pavement Maintenance
Doug Martin Contracting Company Inc.
Duncor Enterprises Inc.
Fahrner Asphalt Sealers LLC
Foothills Paving & Maintenance, Inc.
Geneva Rock Products, Inc.
Graham Contractors Inc.
Greenwood Paving Ltd.
Intermountain Slurry Seal, Inc.
IPR Ltd.
Microsurfacing Contractors, LLC
Midwest Coatings Company, Inc.
Mission Paving & Sealing, Inc.
Missouri Petroleum
Morgan Pavement
Pavement Coatings Co.
Pavement Maintenance Systems LLC
Pavement Solutions, Inc.
Peter J. Caruso & Sons, Inc.
Regional Pavement Maintenance of Arizona
Richards Paving
Roadway Services, Inc.
Sealcoating Inc.
Sierra Nevada Construction, Inc.
Slurry Pavers Inc.
Southwest Slurry Seal Inc.
Strawser Construction, Inc.
T.L. Wallace Construction, Inc.
The Miller Group
Vance Brothers Inc.
Vestal Asphalt Inc.
Viking Construction Inc.
VSS International, Inc.
West-Can Seal Coating Inc.

SUPPLIER MEMBERS
ACP Applied Products
Akzo Nobel Surface Chemistry, LLC
BASF Corporation
Bergkamp Incorporated
Colas Solutions Inc.
CorsiTech
Crafco Inc.
E.D. Etnyre & Co.
Ergon Asphalt & Emulsions Inc.

SUPPLIER MEMBERS - continued
General Liquids Canada Ltd.
Hudson Materials Company
Mcaphalt Industries Limited
MeadWestvaco Corporation
Petrochem Manufacturing, Inc.
Road Science LLC
Tri-State Asphalt, LLC
TYMCO, Inc.
ULTRAPAVE Corp.
VM Fiber Feeders, Inc.
VSS Macropaver, a Division of Reed International
Western Emulsions Inc.
Wright Asphalt Products Company

INTERNATIONAL CONTRACTOR MEMBERS
Asfalca S.A. de C.V.
Asfaltos de la Frontera SA de CV
Asfaltos Emulsificados, S.A.
Downer Infrastructure
Eurovia Management
Fulton Hogan Limited
Heroizla Crespo Construcciones S.A.
Proyextra S.A. de C.V.
RAD Inc.
Showa Rekisei Industry Co Ltd.
Tipco Asphalt Public Company Limited

INTERNATIONAL SUPPLIER MEMBERS
Colas SA
Cold Chon (Galway) Ltd - Colas Teo
Nynas AB
Secmair - Breining
Shanghai Longfu Materials Technology Co., Ltd.
VP Technologies, LLC
WEIRO Weisig Maschinenbau GmbH

ASSOCIATE MEMBERS
AMEC Environment & Infrastructure Inc.
Asphalt Pavement & Recycling Technologies, Inc.
Construction Engineering Labs
Heritage Research Group
Integrated Asphalt Solutions, LLC
Kercher Engineering, Inc.
Kisinger Campo and Associates
Paragon Technical Services Inc.
Petroleum Sciences, Inc.
PRI Asphalt Technologies Inc.
PSI Technologies Inc.
WRI

GOVERNMENT MEMBERS
City of Emporia
City of Englewood
City of Florissant
City of Greeley
City of Houston
City of Huntington Beach
City of Laguna Niguel
City of Las Vegas Streets & Sanitation
City of Lewiston PW Street Division
City of North Las Vegas
City of Pocatello
City of Scottsdale
Los Angeles County DPW
RIOH - MOC
Town of Gardnerville
Village of Pleasant Prairie
Whitpain Township

AFFILIATE MEMBERS
Asphalt Contractor/Cygnus Business Media
Expanded Shale, Clay & Slate Institute
Hawaii Asphalt Paving Industry
National Center for Pavement Preservation
The Barnhardt Group, LLC

HONORARY MEMBERS
*Russell R. Ballou – Ballou Construction Co.
*C. Robert Benedict – Benedict Slurry Seal
Melvin Bergkamp – Bergkamp Inc.
Michael Buckingham – Buckingham Consulting LLC
*Norman (Bud) Clovis – Ballou Construction Co.
Fred Dabney – Slurry Pavers Inc.
Charlie Gagnon – Ballou
Doug Hall – Musselman & Hall Contractors, LLC
Rudy Jimenez – University of Arizona
Nigel Kerrison
Harold McKeever – Roads & Streets Magazine
Darryl Montgomery
Bob Province – APCO
*Jerry Ritschel
Bob Shey
*Jim Sorenson – FHWA
*Ted Van Pelt
*Raymond Young

*deceased
## MASTER CALENDAR OF UPCOMING EVENTS

### 2014

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aug 17 - 20</td>
<td>APWA - <a href="http://www.apwa.net">www.apwa.net</a> Metro Toronto Convention Centre – Toronto, Ontario</td>
<td></td>
</tr>
<tr>
<td>Sep 2 – 6</td>
<td>MPPP – <a href="http://www.tsp2.org/pavement/mppp">www.tsp2.org/pavement/mppp</a>  Minneapolis, Minnesota</td>
<td></td>
</tr>
<tr>
<td>Oct 6 – 10</td>
<td>RMWPPP - <a href="http://www.tsp2.org/pavement/rmwppp">www.tsp2.org/pavement/rmwppp</a> Phoenix, Arizona</td>
<td></td>
</tr>
<tr>
<td>Nov 17 – 19</td>
<td>PPRA Fall Meeting</td>
<td>Hyatt Regency - Baltimore, Maryland</td>
</tr>
</tbody>
</table>

### 2015

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feb 22 - 25</td>
<td>PPRA World Congress (AEMA, ARRA, ISSA, PPRA, IBEF, ICPP) – <a href="http://www.worldofasphalt.com">www.worldofasphalt.com</a> Hyatt Regency Paris Etoile- Paris, France</td>
<td></td>
</tr>
<tr>
<td>Mar 17-19</td>
<td>World of Asphalt – <a href="http://www.worldofasphalt.com">www.worldofasphalt.com</a> Baltimore, Maryland</td>
<td></td>
</tr>
<tr>
<td>Apr 19 – 23</td>
<td>NACE – <a href="http://www.countyengineers.org">www.countyengineers.org</a> Hilton Daytona Beach Oceanfront - Daytona Beach, Florida</td>
<td></td>
</tr>
</tbody>
</table>

### 2016

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feb 23 - 26</td>
<td>AEMA-ARRA-ISSA Annual Meeting</td>
<td>Hyatt Regency Coconut Point - Bonita Springs, Florida</td>
</tr>
<tr>
<td>Nov 1 - 4</td>
<td>AEMA ISAET - <a href="http://www.aema.org">www.aema.org</a> Hyatt Regency Crystal City, Arlington, Virginia</td>
<td></td>
</tr>
</tbody>
</table>

### 2017

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feb 14 – 17</td>
<td>AEMA-ARRA-ISSA Annual Meeting</td>
<td>Westin La Paloma, Tucson, Arizona</td>
</tr>
</tbody>
</table>

### 2018

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feb 20 – 23</td>
<td>AEMA-ARRA-ISSA Annual Meeting</td>
<td>Renaissance Esmeralda, Indian Wells, California</td>
</tr>
</tbody>
</table>

Updated June 6, 2014
THE ORIGINAL and still THE BEST Polyurethane Track Pads for:

Asphalt Milling Machines
Asphalt Pavers
Excavators
Concrete Pavers

ALL ORDERS COME WITH OUR NO RED TAPE GUARANTEE

Contact Sales Consultant James Gellner at
1-800-307-0299
or bls@tufpads.com
www.tufpads.com
Breathtaking...

There is a simple beauty in the image of a perfectly re-surfaced roadway leading into the distance. But that beauty doesn’t just happen. It is the result of a dedicated crew with the proper equipment solutions and a plan for success. Bergkamp has been providing pavement preservation solutions worldwide for over 35 years.

We are the only manufacturer offering a complete line of equipment solutions that include full-size continuous and truck- and trailer-mounted slurry seal and micro surfacing pavers and Variable Width Spreader Boxes. Our exclusive EMCAD and EMS Systems increase production by reducing calibration time and simplifying production adjustments.