Advanced Emulsion Training by AEMA for AI Technical Staff

Eight technical experts from the Asphalt Emulsion Manufacturers Association (AEMA) traveled from all over the country to Lexington KY this week to provide a one and a half day advanced course on emulsions to ALL of the Institute’s Regional Engineers, as well as its Laboratory technicians and other HQ technical staff on Mar 27-28. The eight AI Regional Engineers also traveled from all over (CA, NY, OH, MT, VA, MT, SD and Canada) for this unique training opportunity. The outstanding training was conducted in the large classroom at AI HQs as well as its laboratory, where a portable emulsion mill was shipped in and installed for hands-on demonstrations.

Continued on page 10
Four types of TUFPADES® Track Pads, which one will you choose?

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Notes from Headquarters

AEMA has re-instituted its Stewardship Program, Membership Committee Chairman Barry Baughman has distributed the Stewardship database to the AEMA Board of Directors – all AEMA Official Representatives should receive a telephone call from an AEMA Board member in the near future. We encourage our members to seize the opportunity to express your thoughts, whether positive or negative, to help AEMA serve everyone better.

Congratulations to the ARRA members who are included in The Road Information Program’s (TRIP) recently released list of new 2012 Officers – Leading the organization as chairman in 2012 is Kenneth L. Lanford, President, Lanford Brothers Company, Inc., of Roanoke, Va. TRIP also elected the following individuals to three year terms on its Board of Directors: Brian Hansen, Vice President, Dustrol, Inc., Towanda, Kan., David Howard, President, Koss Construction Company, Topeka, Kan.; Michael Johnson, Chief Marketing Officer, The Lane Construction Corporation, Cheshire, Conn.; Matt Stewart, Director of Environment and Public Affairs, Eastern North America, Aggregates and Concrete, Lafarge North America Inc., Alpharetta, Ga. For a complete list of officers and much more information, visit TRIP’s website at www.tripnet.org.

Now available... NCHRP Synthesis 421 - Recycling and Reclamation of Asphalt Pavements Using In-Place Methods. See details on page 16 for ordering your copy. ARRA CORE Chairman Don Matthews served on the TRB committee that compiled this information.

NHI Training in Action 2012 Magazine is available online. You can find out how training is available from the Federal Highway Administration’s (FHWA) National Highway Institute (NHI) can help you accelerate innovation and open new doors in your career with the 2012 Edition of NHI Training in Action.

The magazine spotlights how NHI courses and Webinars support the goals of FHWA’s Every Day Counts (EDC) initiative, including shortening project delivery, enhancing roadway safety, and protecting the environment. The EDC initiative is designed to speed deployment of proven solutions and technologies.

NHI Training in Action also looks at how web-based training opens doors. NHI now offers more than, most of which are free to participants. One course participant credits the online training with helping him obtain his current position with the Utah Department of Transportation (UDOT). “The Web-based training component makes 24/7 accessibility a reality, which is another great benefit for today’s busy professionals,” said Rod McDaniels, program manager for outdoor advertising control at UDOT.

Additional features report on how NHI courses are helping practitioners use the American Association of State Highway and Transportation Officials Highway Safety Manual, as well as the International Bridge Conference Engineering Excellence Award received by FHWA for the new NHI reference manual, Analysis and Design of Skewed and Curved Steel Bridges with Load and Resistance Factor Design. Also included is a list of NHI courses launched in 2011.

To download the 2012 NHI Training in Action or for more information on NHI training opportunities, visit www.nhi.fhwa.dot.gov.

In the Trade Press –

TLG Paving Company and Pavement Recycling Systems Overcome Challenges and Shingle on the Boeing Lot C Project


Late news at press time... ISSA Past President Pierre Peltier, Terry Asphalt Materials, has been named as the representative of the Pavement Preservation & Recycling Alliance to the 2014 CONEXPO Education Committee.
AEMA President’s Message

Bucky Brooks, Asphalt Materials, Inc.

As I write this we, here in Michigan, are experiencing record breaking and highly unusual weather much like most of the country. We have had record high temperatures and a record extended period of 70º and 80º temperatures for March. We had tornados in March in Michigan—CRAZY.

Other than the tornados I have been a very happy man. I am not your typical Michigander; I hate winter and that evil thing that comes with it—SNOW.

Yesterday I was driving home in a euphoric state of mind enjoying the sunshine, it’s 84º, people are walking around in shorts and tee shirts, trees and flowers are blooming. All of this in March in Michigan—UNBELIEVABLE.

Then I pull into my driveway and it hits me, the grass is growing! This can’t be, it’s March! My euphoria drained away with the reality that I need to mow the grass in March—another record is set. As I mowed I couldn’t help but think of what my wife keeps telling me, “Hire someone to mow the grass”. I know she is right but I would probably spend more time fixing it than if I just did it myself. Did I say she was right? I hope she doesn’t read this.

What does all of this have to do with asphalt emulsion? The answer is that early high temperatures make people crazy. I have gotten calls from customers asking things like “do you think we could chip seal?”, “we need tack coat so we can pave”, “we need to do dust control” and “aren’t you guys ready to make emulsion?”. No matter what it feels like outside, reality is that it is March in Michigan and Ohio. We could still get that record breaking snow storm—what a depressing thought.

I am sure that for those of you who attended the 2012 AEMA-ARRA-ISSA Annual Meeting in Bonita Springs, you would have to agree that the weather, the program, the facilities and the people were all outstanding.

I am not a highly technical guy but I enjoyed the technical presentations and would like to thank all those who took the time to present and share findings of ongoing studies involving asphalt emulsions.

One presentation in particular, “Correlating Strength Gain and Moisture Loss in Chip Seals”, by Trey Jordan with Paragon, struck me originally as, “this is pretty much common knowledge amongst us old guys in the business.” Then afterwards I talked to Trey and Mike Hemsley about the presentation and they pointed out that when Trey started working at Paragon he was new to the business and the results of this study helped make sense to him of how emulsions work in a chip seal.

This confirmed a thought that I and many others have had, we need to aggressively introduce curriculum to engineering schools so that the next generation of civil engineers, our future customers, have a better understanding of asphalt emulsions and how they work. I plan on having this discussion at our next Board meeting.

I also enjoyed the Supplier Members Showcase on Friday. This was all very good information and a great opportunity for two of the most important parts of all of our Associations, the member companies and supplier members, to show off their wares.

Thank you to Mark McCollough (AEMA), Pat Faster (ARRA), Christine Deneuvillers (ISSA), Mike Krissoff, Lisa Cerone (Krissoff Associates) and Diana Long (Krissoff Associates) and last but certainly not least, all of the sponsors who pulled off another great annual meeting.

I would also like to thank all of the Board members for their help throughout the year and also welcome Diane Franseen and Jim Andrews to the Board.

And lastly as a reminder, don’t let up on contacting your elected representatives to encourage passage of an acceptable Highway Bill.

Thank you for the opportunity to serve as President of AEMA for another year.

ISAET ‘12
5th International Symposium on Asphalt Emulsion Technology
October 10 - 12, 2012
The Hyatt Crystal City
Arlington, Virginia

Organized under the auspices of the International Bitumen Emulsion Federation, this symposium, spawned by the “First World Congress on Emulsions” held in Paris, France, in 1993, will be the fifth of a series of symposia dedicated to the international asphalt emulsion industry. See the latest preliminary list of presentations and authors from Program Chair Gaylon Baumgardner on page 41.
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President’s Message
Patrick Faster, Gallagher Asphalt Corporation

It has taken a little longer than expected to move into my presidential digs, vacated by Mr. Garrity last month, in that it took the movers a few extra days to box up all of his UCONN and New York Giants fan fare. With that task now behind me, it’s time to get to work. Certainly, however, not before I thank Billy for what I would term “a great run” for the last 2 years as president.

“Thank you indeed, Mr. Garrity”.

Task at hand # 1: Continued awareness of ARRA as an organization as well as the alliance (PPRA) with AEMA and ISSA.

From the awareness side of the equation, our ongoing efforts have us on the verge of arriving at what I would term “Household Name Status”. Commitment by the likes of John Rathbun, Mike Polak, Dave Cannon and others making their repeated treks to Washington, has been a priceless venture. And Don Matthews in conjunction with Steve Cross and Dragos Andrei coordinating the activity at the Pavement Recycling & Reclaiming Center.

Folks like Tom Kiernan and Stephanie Drain who continue to assemble the ARRA one-day seminars around the Great Lakes region.

The alliance among all three groups, now called PPRA, is a perfect match to move the recycling/preservation ball down the field.

The Secretary of Transportation sticking his head in the door at our annual meeting, that was no accident.

This is great stuff, this is momentum, and this is awareness. It’s my opinion as well that these three groups are designed to do this, and clear to me that it’s working. Stay the course, gentlemen and ladies.

Task at Hand #2: More Members/More Workers

Make no mistake that it is our membership that pulls this wagon. To keep the momentum at this pace and to continue from here will take additional members and more worker bees. I ask on all of our behalf’s that each one of us reach out and make a concerted effort to promote membership, as well as for existing members to get more involved.

My wife always says to me “ If you can’t get out of it, get into it”. I suggest the same to all. Get involved at your committee level, hop on the new member bus, set up the one-day seminars in your area.

These are all proven activities that are the recipe for continued success, growth and awareness.

From the Washington view as it relates to the highway bill, there appears to be more activity in the last few weeks than there has been in the last few years. Certainly not across the finish line yet but movement none the less, and that’s a positive thing.

In closing, a thank you to Mike, Lisa and Diana for a good job assembling our annual meeting, and of course to our generous sponsors for their continued support. For inquiries, ideas, criticism or thoughts, I will be readily available to our members; don’t hesitate to track me down.

I’m excited to take the President’s chair for this organization, and look forward to a new level of growth and success for which I genuinely believe we are poised to see happen.

Regards   Patrick A. Faster
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ISSA PRESIDENT’S MESSAGE

Doug Ford, Pavement Coatings Company

For those of you that have had the opportunity to write this message, you understand the mixed feelings associated with the responsibility and honor. For those that have yet to be in this position, allow me to explain. ISSA has accomplished so much within the industry over the past 50 years and the challenges in front of us continue to grow. This year alone will be filled with a number of tasks; some started many years ago and others brand new to our group. The excitement I have to be a part of the Association while taking on these endeavors is tremendous. The pressure felt to continue the work of so many dedicated industry leaders is heavy, yet the desire to be the catalyst to perform to the standards set is nothing short of inspiring. As I outline some of ISSA today and tomorrow, I hope all members, Contractor, Supplier, Affiliate and Government alike, feel the excitement that is at the door step of the Pavement Preservation Industry.

In 2010 the Board voted to retain the Barlow Marketing Group (BMG) to help spread the benefits of Pavement Preservation and the ISSA. This decision has proven to be a very wise one. BMG’s efforts have educated readers on everything from “the right treatment on the right road at the right time” to the importance of education and expectations when using Pavement Preservation processes as a Stop-Gap measure. As the experts in Green marketing, they have capitalized on past research as well as new projects being placed in environmentally sensitive locations. 2012 will continue to utilize BMG’s services to advance the news of ISSA and its members.

The 2012 Slurry Systems Workshop and Annual Meeting were again huge successes. As the number of people educated during the workshop continues to grow, more than 3,500 attendees since 2000, we get a chance to look at who will be running our industry in the future. The Annual Meeting brought us everything from Secretary Ray LaHood of the U.S. Department of Transportation and updates from FHWA, to a warm welcome from the Mayor of Bonita Springs, Ben Nelson, and even the chance to receive a temporary tattoo on Alligator Alley. If you have the chance to attend future Workshops or the Annual Meetings, you’re in for a treat, please join us. Remember, the AEMA-ARRA-ISSA Annual Meeting 2015 will be in Paris, France. Start your planning now, you won’t want to miss this!

Some of the exciting things we will be working on this year will be rolling out Recommended Performance Guidelines for Chip Seal and Crack Treatment, a presence at the National Pavement Preservation Conference August 27 – 30 in Nashville, Tennessee, and we are in negotiations with FHWA to build a web-based training program of the ISSA Inspectors Manual as well as one on Chip Seal best practices. I hope to have more details available in the next President’s Message as this may be one of the most fascinating items on our agenda. Stay tuned, more to come.

The work the Foundation for Pavement Preservation (FP2) has done to educate our Congress and Senate about Pavement Preservation is extraordinary. Larry Galehouse’s effort, along with that of so many ISSA members, has been a long term investment from which we will all benefit. Stay involved, if you have not written your representatives on the importance of passing the Highway Bill, please do so now. ISSA’s support of FP2 is critical, but we still need every bit of assistance we can get.

The Pavement Preservation & Recycling Alliance (PPRA) is off and running. The combined efforts of AEMA, ARRA and ISSA are gaining some familiarity. If you don’t have a PPRA sticker, order one now so it can be displayed next to the NEW ISSA logo.

Our industry is at a critical stage. The original purpose for which ISSA was founded has become as important today as it was 50 years ago. I was fortunate to spend a couple of days in the ISSA & PPRA booth with Mike Krissoff at World of Asphalt this March in Charlotte, NC. During this time, asphalt contractors would stop by asking a number of questions about Pavement Preservation. My eyes were opened by a contractor’s statement about micro surfacing, “If you can’t beat them, join them.” While this is a clear indication of the growth our livelihood is experiencing, it is an even larger indicator that we need to protect the quality and character of that work. It is time for all members to remember, the quality of our products is the best sales pitch available. If there is a new contractor, supplier or even government agency to the business, take some time, try and get them involved with the ISSA. There are two realities we face, nobody wants new competition and our growth will not stop it. It is time more than ever to protect what we have spent years building, and providing good work is a great insurance policy to secure that protection. Let’s all put on the industry hat and expand the market.

I look forward to what the year will bring, what ISSA will provide the industry. We are at a key time in our business with a number of admirable endeavors for which we can focus our attention. Thank you for allowing me to serve as ISSA President and best of luck to all as the season gains momentum and we prepare for full steam ahead.
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Compared to conventional sealants
Asphalt-Rubber Sealants are:
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• Long lasting
• High Performance
• Economical
Advanced Emulsion Training by AEMA for AI Technical Staff - Continued from page 1

AEMA instructors included:

- Alan James, Akzo Nobel
- Barry Baughman, ULTRAPAVE
- Chris Lubbers, Kraton Performance Polymers
- David Northrup, MWV Specialty Chemicals
- Ian Jack, Heartland Asphalt Materials Inc.
- Mark McCollough, Asphalt Materials Inc.
- Joe Brandenburg, Asphalt Materials Inc.
- Mike Hemsley, Paragon Technical Services

The end of the program included healthy group discussions on new partnering ideas between the two associations involving research, training, technical manuals, reaching out to agencies, etc. It was well recognized that in today’s budget strapped times, government agencies are relying more and more on pavement preservation strategies to maintain their road network. Leveraging the strengths and strong relationship between AI and AEMA will benefit everyone moving forward.

AEMA Teaches a Thing or Two About Asphalt Emulsions to the Asphalt Institute (the inside story)

Bucky Brooks, AEMA President

On March 27th and 28th AEMA had the opportunity to teach chemistry, uses, production, testing and practical handling of asphalt emulsions to the Asphalt Institute staff, including Director of Engineering Mark Buncher, Regional Engineers from the United States and Canada, AI Laboratory Staff and Technicians, and AI magazine staff.

The idea was first discussed on June 7, 2011, during a meeting at the Asphalt Institute in Lexington, Kentucky, attended by AEMA President Bucky Brooks (Asphalt Materials, Inc.), AEMA International Technical Committee Chairman Mike Hemsley (Paragon Technical Services, Inc.), AI President Pete Grass and AI staff members. This meeting was the second of what promises to be annual meetings between AEMA and The Asphalt Institute to explore ways that AEMA and AI can further work together to promote the use of asphalt and asphalt emulsions through education and training.

Pulling the training session together was no easy task given the chaotic schedules of everyone involved. Mark Buncher was able to pull the Regional Engineers and Lexington staff together for March 27th and 28th which left the task of gathering speakers for these dates on the shoulders of Mike Hemsley and Joe Brandenburg.

The day and a half training session came together and was held at the Asphalt Institute’s headquarters in Lexington.

General training topics and presenters included:

- “AN OVERVIEW OF ASPHALT EMULSIONS” and “PARAMETERS THAT AFFECT QUALITY” by Alan James (Akzo Nobel)
- “GENERAL EMULSION FORMULATIONS” by David Northrup (MeadWestvaco)
- “MODIFIERS” by Chris Lubbers (Kraton Polymers)
- “MANUFACTURING”, “SPECIFICATIONS” and “MIX DESIGNS” by Iain Jack (Heartland Asphalt)
- “ASPHALT EMULSION APPLICATIONS” by Mark McCollough (Asphalt Materials, Inc.)
- “PERFORMANCE TESTING” by Barry Baughman (Ultrapave)
- “ACTUAL LAB MILL PRODUCTION OF EMULSION” by Joe Brandenburg (Heritage Research Group)

Thanks to the Asphalt Institute for the opportunity and its desire to learn more about asphalt emulsions.

Thank you to all of the presenters and their companies for their time and expense to make this happen. All of which were either AEMA manufacturing or supplier members.
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PAVING ALL DAY. EVERY DAY.
“Take politics out of transportation!”
by Lisa Cleaver, Editor/Asphalt Contractor

Ray LaHood urges everyone to make their voice heard during the highway bill debate

While Congress took a President’s Day break in late February, Ray LaHood traveled to the sunny state of Florida to be the keynote speaker at this year’s Preservation & Rehabilitation meeting in Bonita Springs sponsored by the Asphalt Emulsion Manufacturers Association (AEMA), Asphalt Recycling & Reclaiming Association (ARRA), International Slurry Surfacing Association (ISSA) and the Pavement Preservation & Recycling Alliance (PPRA).

As he addressed the meeting, his frustration over the long and winding road the transportation bill has been on seemed palatable. There have been eight extensions spanning 880 days since the last long-term bill ran out.

“If the people who are elected to Congress really want to put people to work, they’ll pass a transport bill,” says LaHood.

The Senate has a two-year bipartisan bill that is pending on the floor, and the House is retooling its bill, possibly making it shorter than five years and restoring dedicated Highway Trust Fund money for transit projects. LaHood says this is the best time to contact your representatives to have your voice heard.

“America is one big pothole – we need to fix the potholes,” he says. “America has always gone big when we need to. We need to do something big. I encourage Congress to pass the president’s budget, which increases transportation funds by 40 percent.”

Obama, in his fiscal 2013 budget request, asked for a six-year, $476 billion measure paid for with savings from ending the Middle East wars, says LaHood. “Everything is paid for in the president’s budget,” he notes.

This week, LaHood is predicting another transportation stopgap, according to Politico, with House and Senate leaders refusing to give up on their respective versions of the long-overdue legislation.

LaHood says politics are getting in the way of getting people back to work. “There are too many politics in America,” he says. “Infrastructure is for everyone. That’s how it’s done. That’s the way it’s always been done, not by some kind of a political party or political label. “

LaHood singled out Republicans for opposing Obama’s transportation policy. “If the president has an idea, Republicans don’t like it. Transportation is a jobs bill. Politics has never been involved in transportation – take the politics out and get people back to work.”

To contact your senator or representative, visit USA.gov.

Lisa.Cleaver@cygnus.com
www.Asphalt.com

Thursday, March 29, 2012 - The Senate has passed a 90-day extension as a stopgap measure.

See Jim Moulthrop’s comments on behalf of FP2 on page 45.

US Secretary of Transportation Ray LaHood maintains a blog called FAST LANE and on February 28, 2012, he gave a nod to ARRA in a blog entry titled: Building an America that lasts...with recycled pavement

Check it out
http://fastlane.dot.gov/2012/02/asphalt-recycling.html
Our industry lost three champions in early 2012, the likes of whom will not be seen again.  

We will miss them. We will remember them.

Kenneth (Ken) K. Damgaard

Kenneth Klausen Damgaard (Ken) born February 24, 1939 in Chicago, Illinois died peacefully on February 11, 2012 in Tucson after battling colon cancer since May of last year.  Ken graduated from the University of Arizona with a degree in civil engineering, and received his MBA from Northern Arizona University.  He is survived by his wife, Elaine (Tucson); children, Kristine and Michael Dabadie (Virginia), Karen (Flagstaff), Karl and Stephanie (Tucson) and granddaughters, Lucy, Kaitlyn and Ally.  Also, his brother, Ron (Illinois); nieces, Laura, Nancy Wahl, Paula Guzzetta and their families and cousin, Evelyn.  Ken’s life was celebrated on Friday, February 24, 2012 on what would have been his 73rd birthday.  The Service was held at St. Philip’s in the Hills Episcopal Church in Tucson (Ken & Elaine’s church for nearly 30 years).  Memorial donations can be made to the St. Philip’s in the Hills Preservation and Endowment Foundation, P.O. Box 65016, Tucson, Arizona 85728

Francis ‘Joe’ J. Devine Jr.

Francis “Joe” J. Devine, Jr., 69, of West Chester, passed away on Monday, February 20, 2012, surrounded by his loving family. Born in Philadelphia, he was the son of Francis and Helen Devine. A graduate of North Catholic High School, he attended St. Joseph’s University and University of Pennsylvania. Retired, Joe had worked in the asphalt industry for over 45 years. He was involved in many organizations related to construction. Joe was active in the Ancient Order of Hibernians of West Chester, Pa. and received their Man of the Year for in 2007. He served proudly in the United States Marine Corp. Joe is survived by his wife of 44 years, Mary Burns Devine. Joe is also survived by his four children, Bridget Doyle (Kevin), Janene Mullen (Art), Joseph Devine (Megan) and Brendan Devine; and by nine grandchildren; and his two sisters, Ruth Fogg and Rosemary Devine. His Mass of Christian Burial was held on Saturday, February 25, at Ss. Philip and James Roman Catholic Church, Exton, PA. Donations may be made in memory of Joe Devine to Ss. Philip and James School Library, c/o The Ss. Philip and James Rectory, 107 North Ship Road, Exton, PA 19341.

Joseph J. Tyrrell (1956-2012)

Joseph Jay Tyrrell, 55, of Sycamore, IL, passed away Wednesday, March 7, 2012, at Kishwaukee Community Hospital, DeKalb, surrounded by the love of his family, after a brief but courageous battle with cancer.

Joe was born Aug. 18, 1956, in Sycamore, the fifth of six children to Donald and Helen Tyrrell. He was a devoted and loving husband, father, brother, uncle and friend to many.

A 1974 graduate of Sycamore High School, Joe was active in football, wrestling and FFA. Joe was Sycamore High School’s first FFA national award winner for Outdoor Recreation Proficiency in 1974 and receiving his award in Kansas City from President Gerald Ford.

Joe married his high school sweetheart, Jodi Chapman, and they recently celebrated the 40th anniversary of their first date. Joe will be remembered for his strong work ethic in the development of his successful business ventures, first American Asphalt Paving Company and currently American Road Reclaimers. He worked hard and loved his family even harder.  Survived by his wife, Jodi; sons, Timothy Joseph “TJ” and Kevin Michael, both at home; parents, Donald Sr. and Helen of DeKalb; two brothers, Donald Jr. (Debbie) of Sycamore and James (Tammy) of Rapid City, S.D.; three sisters, Kathy (Michael) Viollt of Wilmette, Debbie (Steve) Champeny of Janesville, Wis., and Suzie (Glen) Underwood of Sycamore; mother-in-law, Mary Chapman of Sycamore; three sisters-in-law, Lorrie (Marvin) Wildenradt of Sycamore, Beth (Steve) Bollinger of Hampshire and Jane (Randy) Politsch of Mendota; and several nieces and nephews, nine great-nieces and one great-nephew.

He was preceded in death by an infant son, Adam Joseph; father-in-law, George Chapman; and his maternal and paternal grandparents.

A memorial service to celebrate his life was held, March 12, at the church with pastors Bill Landis and Harlene Harden officiating.
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Recycling and Reclamation of Asphalt Pavements Using In-Place Methods

TRB’s National Cooperative Highway Research Program (NCHRP) Synthesis 421: Recycling and Reclamation of Asphalt Pavements Using In-Place Methods discusses the use of hot in-place recycling, cold in-place recycling, and full-depth reclamation of asphalt pavements. In-place recycling and reclamation of asphalt pavements provides agencies with the ability to optimize the value of in-place materials, minimize construction time and traffic flow disruptions, and reduce the number of construction vehicles moving in and out of the construction area.

NCHRP Synthesis 411
Micro Surfacing

TRB’s National Cooperative Highway Research Program (NCHRP) Synthesis 411: Micro surfacing explores highway micro surfacing project selection, design, contracting, equipment, construction, and performance measurement processes used by transportation agencies in the United States and Canada. Micro surfacing is a polymer-modified cold-mix surface treatment that has the potential to address a broad range of problems on today’s highways. This study gathers information on the use of highway micro surfacing treatments by transportation agencies in the United States and Canada. Micro surfacing is a polymer-modified cold-mix surface treatment that can remedy a broad range of problems on today’s highways. The report identifies and discusses practices reported as effective by transportation agencies in micro surfacing project selection, design, contracting, equipment, construction, and performance measures.

Information used in this study was acquired through a review of the literature, a survey distributed to maintenance engineers at all U.S. state departments of transportation (DOTs) and Canadian provincial transportation agencies, evaluation of all 50 state DOT micro surfacing specifications as well as the one used by the U.S. Federal Lands Highway Division, and case studies of six micro surfacing projects from five U.S. states and one Canadian province.

Douglas D. Gransberg, Iowa State University, Ames, Iowa, collected and synthesized the information and wrote the report. The members of the topic panel are acknowledged on the preceding page. This synthesis is an immediately useful document that records the practices that were acceptable within the limitations of the knowledge available at the time of its preparation. As progress in research and practice continues, new knowledge will be added to that now at hand.

Book Code: SYH411
Year: 2010
Pages: 115
Price: $55.00
You may download the pdf file or purchase this publication here: http://www.trb.org/Publications/Blurbs/164562.aspx

A PDF version available online here: http://www.trb.org/Publications/Blurbs/165876.aspx
The National Association of County Engineers (NACE) hosted its national conference on 1-5 April 2012 at the Lexington Convention Center in Lexington, KY. The theme of this year’s Conference was “Racing to the Future. Of equal excitement that week was the University of Kentucky’s participation in the Final Four and NCAA Championship Game.

The annual NACE convention hosts 350-400 County Engineers and affiliated attendees. County Engineers are responsible for the bulk of the nation’s roads which carry American agriculture and other manufactured goods to markets worldwide. County Engineers have always been attracted to the cost-effective techniques that we know as pavement preservation and in-place recycling.

Many engineers stopped by the PPRA booth to discuss their current uses of the various methods and to find directories and quality literature.

Of equal importance was the number of Member companies that also had booths, engineers could be sent to industry experts to have their questions answered on the spot.

PPRA was recognized for five years as a Corporate Sponsor of NACE.

Accepting a plaque was Pierre Peltier of Terry Materials and past-President of the ISSA. A number of NACE Board Members as well as many delegates stopped by to thank us for our continued support. The next NACE Convention will be held in Des Moines, IA on 21-25 April 2013.

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**The next NACE Annual Conference is scheduled:**

**Apr 21 – 25, 2013**

**Des Moines, Iowa**

*Details at: www.countyengineers.org*
Record-breaking numbers for attendee registrations, exhibit space, number of exhibitors and education

The just-concluded 2012 World of Asphalt and AGG1 exhibitions were an unqualified success, posting record numbers for attendee registrants as well as amount of exhibit space, number of exhibitors and number of education session tickets sold.

“Attendees and their companies understand the importance of learning and networking to stay sharp and take advantage of a recovering economy. They know that the industry connections at World of Asphalt and AGG1 - between buyers and sellers, peer-to-peer and with industry experts - are invaluable to meet the business challenges still facing our industry sectors in the U.S. and world economies,” stated Show Director Melissa Magestro.

The co-located World of Asphalt Show & Conference and AGG1 Aggregates Forum & Expo were held March 13-15, 2012 at the Charlotte Convention Center in Charlotte, North Carolina.

Show Details

Record attendee registration numbers totaled more than 6,500 at show close. Registrants came from all 50 states, all 10 Canadian provinces and more than 50 other countries worldwide. More than 35 percent were company presidents/owners, vice presidents, general managers or chief financial officers, and all together more than 84 percent of registrants were in managerial roles.

The show floor covered a record 115,000-plus net square feet of exhibit space (10,684 square meters) - a 30-percent increase - taken by a record number of 408 exhibitors. Leading companies showcased their newest products and technologies aimed at the aggregates, asphalt, pavement maintenance and traffic safety industry sectors.

Education is a cornerstone of the shows and a record 6,200-plus education session tickets were purchased by attendees for the shows’ signature learning programs: AGG1 Academy, Asphalt Pavement Conference and People, Plants and Paving Training Program.

More than 20 industry organizations were official supporters of World of Asphalt and AGG1, and the shows are industry-owned and operated.

“These are industry-driven events where participants have a say in planning so the shows best meet their needs. They can feel these are truly their shows,” Magestro noted.

World of Asphalt is owned by National Asphalt Pavement Association (NAPA) with Association of Equipment Manufacturers (AEM) and National Stone, Sand and Gravel Association (NSSGA). AGG1 is owned by NSSGA. AEM produces both shows.

For more information, visit the show websites: www.worldofasphalt.com and www.agg1.org.

Special thanks to the volunteers who helped man the AEMA, ARRA, ISSA and PPRA booths at the 2012 World of Asphalt show.

AEMA - Steve Muncy, BASF and Jeremy Thomas, Asphalt Materials Inc.
ARRA - Brian Hansen, Dustrol and Mike Polak, E.J. Breneman Inc.
ISSA - Bill Cooper, Bergkamp, Doug Ford, Pavement Coatings, Tim Harrawood, Vance Brothers and Chuck Ingram, Slurry Pavers

The next World of Asphalt will be held Tuesday, March 19 through Thursday, March 21, 2013 at the Henry B. Gonzalez Convention Center in San Antonio, Texas (USA).

(World of Asphalt is held annually except in CONEXPO-CON/AGG years when that exposition highlights the equipment, products and services featured at World of Asphalt in distinct and major product-concentration areas.)

The 2013 World of Asphalt Show & Conference is co-located with the 2013 AGG1 Aggregates Forum & Expo, providing an enhanced show experience for attendees by offering additional exhibits and education opportunities.
World of Asphalt Snapshots - A few AEMA-ARRA-ISSA Members who were participants in WOA 2012
Preservation & Rehabilitation 2012
Pavement Preservation & Rehabilitation Industry Experts Meet in Bonita Springs, Florida

Representing over 160 of the world’s leading companies in the pavement preservation and rehabilitation industries, over 400 delegates gathered recently to participate in the ninth combined annual meeting of the Asphalt Emulsion Manufacturers Association (AEMA 39th Annual Meeting), the Asphalt Recycling & Reclaiming Association (ARRA 36th Annual Meeting), and the International Slurry Surfacing Association (ISSA 50th Annual Convention). Held in February 2012 in Bonita Springs, Florida, the gathering heard more than thirty speakers over the three-day period. The meeting was a concentrated assembly of industry promotion and technological advancement, as industry leaders and innovators joined together in a unique opportunity to discuss subjects of common interest and to share news of accomplishments in their related fields. Titled Preservation & Rehabilitation 2012, the meeting highlighted advancements in technology and the application of asphalt emulsions and other additives, asphalt recycling and reclaiming, slurry and micro surfacing, chip seal and crack treatments.

In addition to the usual working and technical committee sessions that are always part of each Association’s annual meeting, registrants heard presentations from numerous industry experts and leaders on a wide variety of subjects. During a period of generally subdued discretionary travel, those who chose to attend this mid-winter event were richly rewarded. Speakers included the following:

PRRC Update
Dragos Andrei, Pavement Recycling & Reclaiming Center

Quality Base Material Produced Using FDR on Existing Asphalt Pavement Structure
Sangchul Bang, South Dakota School of Mines

FP2 Update
Michael Beer, Williams & Jensen

High Performance Laboratory Tests for Micro Surfacing
Abdeltif Belkahia, Colas

Case Studies to Determine the Relationship Between the Rehabilitation Process
Salman Bhutta, EXP

Advancements in Slurry & Micro Surfacing Equipment
John Birchall, VSS Macropaver

Using a Dynamic Sheer Rheometer to Distinguish Between Gelled & Non-Gelled Emulsion Residue
Joe Brandenburg, Asphalt Materials, Inc.

Inside Bergkamp Inc. – A Guide to our Future
Bill Cooper, Bergkamp Inc.

Aggregate Properties for Micro Surfacing on High Volume Roads
John D’Angelo, Ergon Asphalt & Emulsions Inc.

Providing Responsible Pavement Preservation to our Aging Infrastructure
Bryan Darling, Crafco Inc.

Case Study Using Alternative Methods of Construction, Specifically FDR/CIR
Brian Diefenderfer, P.E., Virginia DOT

Pavement Preservation in Florida
John Fowler, Florida DOT

Pavement Preservation: The Green Advantage
Larry Galehouse, National Center for Pavement Preservation

Use of Fibers in Micro Surfacing – Design and Evaluation of a Crack Retardant System
Claude Giorgi, MWV Europe

Cushotrac Ultimate
Jeff Gustafson, Superior Tire and Rubber Corp.

Protecting Your Investment With Proper Wear Protection
Brian Handshoe, Kenco Engineering

Master Builder
Rob Hannan, Volvo Construction Equipment Volume Roads

Answering the Call of Performance Through Quality Control & Mix Design
Roger Hayner, Colas Solutions Inc.

Cold Planing for Smoothness
Terry Humphrey, Caterpillar Inc.

Fiber and Dispensers for Slurry Seal & Micro Surfacing
Terry Jackson, VM Fiber Feeder

Correlating Strength Gain and Moisture Loss in Chip Seals
Trey Jordan, Paragon Technical Services

Testing of Bond Coat Emulsions
Arlis Kadrmas, BASF Corporation

API 650 Asphalt Storage Tanks
Butch Kirk, International Tank Service
**Keynote Speaker**
Ray La Hood, Secretary, US Department of Transportation

**Canada’s Oil Sands and Our Energy Picture**
Gord Lambert, Suncor Energy

**Carbide Cutting Technology**
Andrea Latham, Keystone Engineering

**Asphalt Emulsion: Why We Could Fail and Why We Shall Succeed**
Etienne Le Boutellier, International Bitumen Emulsion Federation

**The Wirtgen Group**
Mike Marshall, Wirtgen America

**All Roads Lead to Ergon**
Myles McKemie, Ergon Asphalt & Emulsions Inc.

**Project Selection & Sampling Using Ground Penetrating Radar**
Scott Metcalf, Ergon Asphalt & Emulsions Inc.

**Update on FP2 Activities & the Washington Outlook**
Jim Moulthrop, Executive Director, FP2 Inc.

**Florida DOT’s First Micro Surfacing Project**
Jim Musselman, Florida DOT

**Welcome to Bonita Springs**
Honorable Ben Nelson, Mayor, City of Bonita Springs

**Engineering Aspects of Pavement Preservation Programs**
David Peshkin, Applied Pavement Technologies

**Preservation Research at the Pavement Test Track**
Buzz Powell, Auburn University

**Advance Technologies to Reclaim Roadways Special Applications and New Developments in Micro Surfacing**
Marc Proteau, Eurovia North America

**ISSA 2012 Presidents Award Winner – St. Louis Urban Interstate**
Tom Ritschel, Micro-Surfacing Inc.

**Committed to Your Future**
Terry Sharp, Caterpillar Inc.

**New Tufpads Track Pads Asphalt Milling Machines**
Barry Stoughton, BLS Enterprises

**Asphalt Trends and the 2012 Outlook**
Nasreen Tasker, Argus

**Lime Products for Road Construction**
Mike Tate, Graymont Inc.

**Using Micro Surfacing on Highways in France**
Jean-Etienne Urbain, Eurovia France

**Kennametal Product Portfolio**
Jim Vasher, Kennametal Inc.

Matthews informed all subcommittee chairmen of the following:

- **NHI Course** – NHI Asphalt Pavement In-Place Recycling Techniques pilot course is set for March 14 - 15 in Chesterfield, MO, with the MoDOT. Matthews is on the panel and attending as an observer. He will report back on how it went and when the course is available to be ordered.

- **2012 FHWA/ARRA Western In-place Recycling Conference** – FHWA and ARRA decided that the 2012 conference will be held in Ontario, CA, in September. The host ARRA contractor will be Pavement Recycling Systems, Inc., which will provide CIR and FDR demos. They are asking for an ARRA HIR contractor to provide an HIR demo as well.

- **ARRA Regional Seminars** – The next one proposed is to be held in Effingham, IL, on April 17, 2012. They are looking for ARRA members to help present. Everyone was reminded that this is a value for ARRA members and if they want to put one on, they need only ask the PRRC for guidance or ARRA has a guideline they can use.

- **Pavement Preservation Expert Task Group** – Faster is the official contact. He reported that May 2011 was the last meeting and he was there, but to date there is not an official date or status of the next meeting. Thomas indicated he attends as well.

- **ARRA Wish List** - FHWA is willing to support ARRA in enhancing and improving recycling and reclaiming. They have asked ARRA to come up with a “wish list” of training programs, specifications, best practice guidelines, test methods, etc., that we would like to see developed. A group discussion was held about web-based training vs. live instructor led. Inspector training was raised along with certification. Types of web-based training could be for inspectors, project selection as well as what went right and what went wrong and why on recycling projects. Barnhardt offered to help any way he could. Another wish list topic was raised by Moore and Thomas with respect to developing better performance testing and field sampling procedures.

- **ARRA Guidelines** – Matthews asked for subcommittee reports on the ARRA Guidelines:
  
  1) **CIR** – Moore reported that the CIR specification would be completed at this annual meeting and that a draft of the CIR Preconstruction Sampling and Mix design guideline was complete and the committee is going to begin the review during the annual meeting.

  2) **FDR** – Stokes reported that the intention was to finish the FDR specifications with Bituminous, Cementitious and Lime stabilization through a final review during the annual meeting. Thomas offered to write the draft of the Preconstruction Sampling and Mix design guideline and provide back to the subcommittee.
February 22, 2012 AEMA Suppliers Committee
1:30 pm - Jim Andrews, BASF Corporation, Chairman

Attendees: John Sellers, Akzo Nobel (2011 Chairman); Todd Ryne, Akzo Nobel; Arlis Kadrmas, BASF Corporation; Barry Baughman, UltraPave; Jim Wright, Akzo Nobel; Chris Lubbers, Kraton Polymers; Alan James, Akzo Nobel; Ray Hess, Akzo Nobel 2011 Chairman

John Sellers welcomed the group and reminded members of anti-trust guidelines, reviewed the AEMA budget from the Board meeting, announced new members, and introduced Jim Andrews as 2012 Supplier Chairman. It was suggested that new AEMA members be given 5 minutes to present their company information to the AEMA conference, and perhaps ISSA and ARRA would follow. This has been very effective way to introduce the new company representatives in other well-established organizations, such as the Asphalt Institute, and encourages company interaction during the conference.

Action: It was suggested that Jim Andrews add e-mail invitation to new members, welcoming them to AEMA.

Action: Andrews to present suggestion to Krissoff for possible presentations of new members at the annual meeting.

John Sellers asked for nominations for the vice-chair position. Jim Wright nominated Todd Ryne, Akzo Nobel, as Vice Chair, Arlis Kadrmas, BASF seconded the nomination. All attendees were in favor and the group welcomed Todd to the vice-chair position for 2012.

Barry Baughman explained the Chair position could be improved if the term was 2 years, allowing more time to interact and respond to Board issues and projects. Jim Wright motioned for a change to a 2 year and Chris Lubbers, Kraton, seconded. All members were in favor.

Action: Jim Andrews to communicate to Mike Krissoff term of chair position was changed to two years.

An area of concern from everyone at the committee was the cost of the venue for our conference. Several supplier members, among others, choose to stay at other hotels in the area that were 1/3 the price. This was a concern not only for convenience, but also for safety if participants were driving to other hotels after the reception and dinners. Also, the cost/value to attending spouses seemed excessive and a lower cost alternative should be considered.

(NOTE: See AEMA Executive Director Mike Krissoff’s related comments on page 26)

Barry Baughman suggested that Supplier members should consider supporting the ITC / ETF if needed.

Chris Lubbers asked if AEMA funds were available for projects or research through the ETF to promote pavement preservation applications and new specs. Jim Wright suggested we use funds to design NCAT micro or chip seal project, possibly use NCDOT or similar program that could be cheaper than NCAT.

It was generally thought that the new time for the supplier meeting resulted in greater participation.

Continued on page 24
Preservation & Rehabilitation 2012 Committee Reports - Continued from page 23

February 22, 2012 ARRA Suppliers Committee
1:30 pm - Tom Kiernan, LaFarge, Chairman

No report submitted.

February 22, 2012 ISSA Suppliers Committee
1:30 pm - Doug Hogue, VSS Macropaver, Chairman

1) Supplier Members Showcase – We would like to see a different schedule. We are worried about low attendance on last day of the meeting.

2) One idea would be to schedule these as short presentations in between speakers in ISSA Sessions.

3) Discussion about increasing Supplier Member support and participation.

February 24, 2012 ARRA Cold Planing Committee
1:30 pm - Greg Bruhin, Garrity Asphalt Reclaiming, Chairman

No report submitted.

February 22, 2012 ARRA Cold Recycling Committee
1:30 pm - Trevor Moore, Miller Paving, Chairman

DECISIONS MADE:
1) Finalized construction specification CR 101- Moore to submit to Matthews – all committee members were in agreement that specification was completed.
2) CR 201 for Preconstruction Mix Design and Testing – Draft was reviewed by sub group – final to be submitted to the rest of the committee by March 23.
3) NCHRP comments have already been submitted in December 2011. There were no major issues with the synthesis.
4) With respect to the instructor training, the committee agreed that web-based training was most appropriate due to reduced funding and lack of travel approval. The Cold Recycling checklist was discussed and our suggestions include a limited number of checklists printed, a digital copy made available through the website, consider different binding than coil to reduce cost, move toward a smart phone application for checklist to be accessed anytime.

ACTION PLAN/COMMITTEE ASSIGNMENTS:
1) Drain to write first draft of Quality Assurance Guidelines – Moore to provide existing guideline format to work from.
2) Mix Design Guideline group to review and provide comments by March 23.
3) BARM group to review relevant chapters and provide comments to Moore by February 29 in preparation for final submission to PPRA by March 2.

NEXT MEETING/OTHER IMPORTANT DATES OR DEADLINES: Semi-Annual Meeting, October 29 – 30, St. Louis, Missouri.

February 22, 2012 ARRA Full Depth Reclamation/Soil Stabilization Committee
1:30 pm - Kimbel Stokes, The Miller Group, Chairman

Jonathan Pease, Rock Solid Stabilization & Reclamation, was introduced as Vice Chairman of the committee.

In attendance: Jonathan Pease, Dragos Andrei, Todd Thomas, Brad Schneider, Gary Foux, Mike Tate, Chris Thompson, Michael Kroll, Peter Schilling, Barry McKeon, Brian McGillis, Wayne Adaska, Larry Roberts, Todd Casey, Dale Cronauer, Dave Cannon, Rene Maldonado, Chris Meyer, Kevin McGlumphy, Kimbel Stokes

Reviewed Bituminous, Cement, and Lime Guidelines by line item. Committee made several recommendations and changes. Changes will be incorporated into a new draft with all boiler plate language to remain common through all disciplines. (Committee Guidelines attached).

ACTION PLAN/COMMITTEE ASSIGNMENTS:
Brad Schneider volunteered to be the moderator at World of Asphalt in Charlotte.

NEXT MEETING/OTHER IMPORTANT DATES OR DEADLINES:
Complete and distribute drafts of FDR Guidelines, Bituminous, Cement, and Lime by March 2, 2012 for final revisions.
1) Receive comments from committee members by March 9, 2012.
2) Update guidelines and submit to CORE Chairman by March 16, 2012.

OTHER RECOMMENDATIONS & MISCELLANEOUS:
1) Requested review and comments for BARM by March 2, 2012.
2) Requested updated photos for BARM.
3) FHWA seminar to be held in Southern California, September 2012. Will demonstrate FDR, CIR, & HIP.
4) ARRA regional Seminar Effingham, IL, early May 2012.
5) Requested comments for Inspector & Contractor training; web base; regional training.
February 22, 2012  ARRA Hot In-Place Recycling Committee
1:30 pm - Pat Faster, Gallagher Asphalt, Chairman


Good meeting as it usually is, we discussed, and rather I urged the development of the ARRA 1-day seminars in each member’s areas. I have been involved in quite a few of these in the Great Lakes region, and they will prove invaluable. I believe this was one of the takeaways from our gathering.

Discussed the engagement of the center and its value to us, as well as trying to finish up on any further editing of the BARM.

We were visited by a few DOT people and had quite a discussion on specifications and the bidding process as it relates specifically to HIR.

Concluding, we discussed coverage for our discipline at the upcoming pavement preservation seminar in Nashville.

February 22, 2012  ISSA Chip Seal Committee
1:30 pm - Neil Guilkes, Vestal Asphalt, Chairman

It was agreed at the committee meeting that ASTM designations should be checked against what we proposed. Nobody had the Google Docs version of the draft but I found a WORD version and sent it to the new Chairman, Ben Vagher, A-1 Chip Seal & Rocky Mountain Pavement.

February 23, 2012  ISSA Crack Treatment Committee
1:30 pm - Bryan Darling, Crafco, Chairman

No report submitted.

February 22, 2012  ISSA Slurry/Micro Committee
1:30 pm  Rusty Price, Intermountain Slurry Seal, Chairman

Attendees: Eric Reimischissel, Peter Linton, Doug Martin, Ryan Proctor, Howie Snyder, Brad Pierce, Don Kaiden, Carter Dabney, Tom Ritschel, Jean Paul Fort, Doug Nylander, Mike Buckingham, Mike Hartman, Jason Bergkamp, Pierre Pettier, Ethienne Le Bouteiller, Doug Ford, Rusty Price

1) Revision of ISSA Marketing Publications

2) Discussed the current publications available from the association as was discussed at BOD Meeting, Carter Dabney to investigate the possibility of putting these publications on the website for free download. Some of the information is outdated and photos need to be updated to newer equipment. Decision needs to be made on how to proceed with our publications.

3) Field Sampling and WTAB Testing (California)

4) Committee is asking the association for a small amount of funding to hire three independent consultants/laboratories to conduct field testing Wet Track Abrasion Testing. This would be conducted in California using the ASTM procedure. Objective for the research is to see the consistency or lack thereof, per individual laboratory. This needs to be discussed at our June board meeting for approval. I will do additional research and contact Gary Hicks from California PP Center to see if they are willing to participate as well. Estimates of the costs and detailed action steps will be presented at our June Board meeting.

5) Provided a CD copy of the findings of phase II pool funded study from Fugro; Project Number, 1101-3139. Report date: 2020.
Executive Director’s Response to AEMA Suppliers Committee Report

The AEMA Suppliers Committee Report contained two items regarding annual meeting costs, and I’d like to take this opportunity to try to shed some light.

We knew the room rates for the 2012 meeting were going to be high when we signed the contract for this meeting back in 2008, four years ago. Times were good, the stock market hadn’t tanked yet, the industry was strong and it was a seller’s market for hotel space. Remember, AEMA-ARRA-ISSA like to go to top quality down south resorts in the middle of winter, peak season for top properties in our favored locations. To get what we need when we need it and where we need it, we contract the hotel years in advance of the meeting and negotiate the best deal we can under the existing market conditions at the time of the contract signing, not at the actual time of the meeting. We do the best we can under the parameters with which we have to work. That being said, the 2016 AEMA-ARRA-ISSA Annual Meeting will be back at the same hotel but for a guaranteed room rate $40 less than what we paid in 2012.

On the subject of registration fees for spouses…..we go through this every year.

Please understand that registered spouses get everything the regular registrants get, plus more, for half the price:

1) Opening reception (admittedly lighter on food this year than normally): open bar and usually very heavy hors d’oeuvres
2) Wednesday heavy continental breakfast
3) Wednesday welcome (with light brunch and/or coffee, tea, bloody marys and mimosas
4) Wednesday sightseeing tour with lunch (usually at a restaurant, not a box lunch)
5) For those not on the tour, all the same coffee breaks all three days and Wednesday lunch as regular attendees
6) Thursday awards breakfast
7) Thursday evening theme party
8) Friday heavy continental breakfast
9) Friday cooking demo

All this for just $600.

We are looking at eliminating the Wednesday sightseeing tour and Friday cooking demo next year. We have not increased annual meeting registration fees in 10 years, thanks, in part, to the generous support of our sponsoring member companies. This possible change in the spouses’ program next year will not likely result in a decrease in registration fee, but we don’t plan to raise it.

Consider that it is more economical to register your spouse for the meeting at $600 than it would be to NOT register her and then pay for her similar meals and entertainment from your own pocket (look at the above list again).

This message is just a quick response on this subject, but the AEMA, ARRA, and ISSA Boards and I are certainly open to suggestion. Please know, however, that these two subjects are ones to which we devote close attention. It might also help to be aware of what hotels charge for food & beverage in meeting banquet settings.

Regards,

Michael R. Krissoff
Executive Director
Asphalt Emulsion Manufacturers Association
Asphalt Recycling & Reclaiming Association
International Slurry Surfacing Association
Pavement Preservation & Recycling Alliance
#3 Church Circle - PMB 250
Annapolis, MD 21403
(O) 410-267-0023
(F) 410-267-7546
During its recent 39th Annual Meeting held in Bonita Springs, Florida, the membership of the Asphalt Emulsion Manufacturers Association (AEMA) re-elected Bucky Brooks to the office of President, for the 2012-2013 term. Brooks was employed by the City of Monroe, MI from 1975 – 1987, working in several capacities and departments, ultimately in the Department of Public Services as a Supervisor of underground and surface maintenance. His first experience with pavement preservation was an annual patching and slurry seal program still ongoing today. In 1987 he was offered the position of Director of Operations with the Monroe County Road Commission, with responsibility for all maintenance and light construction on 1465 miles of roads including local, primary, state two lane and interstate roads in the county. In 1990 Brooks joined Asphalt Materials, Inc., and is now in a sales manager position covering most of Ohio and Michigan. He also works closely with the Heritage Research Group in product development and improvement.

Other 2012-2013 officers re-elected were: Vice President Mark McCollough, Asphalt Materials, Inc., Indianapolis, Indiana, and Secretary/Treasurer, Archie Reynolds, Norjohn Limited, Ontario, Canada. AEMA’s Immediate Past President is Barry Baughman, of ULTRAPAVE Corp., Dalton, Georgia.

Directors elected for the term include; Mark Ishee, Ergon Asphalt & Emulsions Inc., Jackson, Mississippi; Mark Smith, Vance Brothers, Inc., Kansas City, Missouri; Hans Ho, Telfer Oil Company, Martinez, California; Craig Moore, Cleveland Asphalt Products, Shepard, Texas and Diane Franseen, H.G. Meigs, LLC, Portage, Wisconsin. Jean Claude Roffe, Colas, SA, France, will serve as International Member Representative and James Andrews, BASF Corporation, Charlotte, North Carolina will serve as AEMA’s Supplier Member Representative. Mike Hemsley, Paragon Technical Services, Richland, Mississippi, was appointed Chairman of AEMA’s International Technical Committee.

A complete list of the 2012 – 2013 AEMA Board of Directors and Committee Chairmen appears on pages 48 and 50.
The AEMA Hall of Fame recognizes 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. During its 39th Annual Meeting in February 2012, AEMA awarded this honor to Mike Kelly.

Mike was born October 16, 1944. He was raised, along with five younger sisters, in Terre Haute, Indiana. It was there that he met and married his wife, Gayle, in 1965. They have five children, one boy and four girls, fourteen grandchildren, and five great grandchildren.

His professional career began in 1963 as a laborer on an asphalt paving crew working for the family business. A business started by his grandfather in 1928 that included asphalt paving companies and emulsified asphalt plants. After his marriage, he worked in the company's office full time while completing his college degree in marketing and management at Indiana State University.

After his graduation in 1970, he began selling emulsions in southwestern Indiana. A year later he was in emulsion sales in western Kentucky. He did this for four years until he again resumed his sales position in Indiana.

In 1981, he began overseeing sales, with the guidance of his uncle Bill Kelly, of the whole company which had grown to include emulsion plants in Indiana, Michigan, Texas, Kansas, Missouri, New Mexico, and soon to be Colorado.

In the fall of 1982, the company was sold to the French oil company, ELF. Mike moved to St. Louis and was made the Executive Vice President of Marketing and Operations. Elf Asphalt grew to forty-nine plants through its various acquisitions. The primary focus for Elf in the U.S. was the promotion and sale of modified emulsions and asphalts under its Styrelf brand. Under Mike's leadership, they were very successful with these products and laid the foundation for the large volumes of modified products in use today.

In 1993, Elf Asphalt was sold to Koch, Mike moved back to his Indiana roots as president of Asphalt Materials where he worked until his retirement in December of 2010.

Mike was always active in his community and in both local and national industry organizations. He served on many committees a boards, including being on the AEMA Board of Directors from 1995 through 2003. The Asphalt Institute honored Mike with the Distinguished Service Award in August of 2010.

Congratulations, Mike. You’re in good company.

The AEMA Hall of Fame Award

Past 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 Municy
1996 - Jacques Gaultier
1997 - L.S. "Bill" Brake and John Huffman
1998 - Norman R. Aguirre
2003 - Alan James
2004 - Richard Koleas
2005 - Alain LeCoroller
2009 - Koichi Takamura
Patrick Faster Elected 2012-2013 President of Asphalt Recycling & Reclaiming Association

During its recent 36th Annual Meeting held in Bonita Springs, Florida, the membership of the Asphalt Recycling & Reclaiming Association (ARRA) elected Patrick Faster, Gallagher Asphalt Corporation, to the office of President for the 2012-2013 term. Patrick has been in the highway construction business for 25 years and is currently the National Sales Director for Gallagher Asphalt Corporation in Chicago where he oversees their Recycling division. He is active in the Illinois Road Builders, the National Association of County Engineers and various Pavement Preservation Groups. Patrick is on the board of the Pavement Preservation Task Group with the FHWA and has served on the ARRA Board of Directors for the past six years, and is the Hot In-Place Recycling Committee Chairman. Patrick received his Undergraduate from St. Norbert College in Green Bay, Wisconsin and his MBA from the University of Wisconsin. Patrick has played one game of Professional Hockey.

Other 2012-2013 officers elected were: Vice President – Andrew Fox, of InVia Pavement Technologies, LLC, Tulsa, Oklahoma, and Secretary/Treasurer – Ryan Essex, Miller Paving Limited, Gormley, Ontario, Canada. ARRA’s Immediate Past President is Bill Garrity, Garrity Asphalt Reclaiming Inc., Bloomfield, Connecticut.

Directors elected for the term include: Tom Kiernan, Lafarge Corporation, Lockport, Illinois; John Irvine, Roadtec, Chattanooga, Tennessee; Dale Cronauer, Blount Construction, Marietta, Georgia; Donn Johnson, Asphalt Recycling Solutions, Inc., Oakdale, Minnesota and Terry Sharp, Caterpillar Paving Products Inc., Maple Grove, Minnesota.

Don Matthews, Pavement Recycling Systems, Jarupa Valley, California, will serve as chairman of the Committee on Recycling Education (CORE), ARRA’s technical committee.

The Asphalt Recycling & Reclaiming Association is a non-profit trade association of contractors, equipment manufacturers, suppliers, public officials, and engineers engaged in the recycling and reclaiming of asphalt, using the economies of recycling to rebuild a stronger and safer network of highways, streets and roads across the country and around the world.

A complete list of the ARRA 2012-2013 Board of Directors and committee chairs is on pages 52 and 54.

L-R Director Donn Johnson, Asphalt Recycling Solutions; Director Tom Kiernan, Lafarge Corporation; Director Dale Cronauer, Blount Construction; Vice President Andrew Fox, InVia Pavement Technologies; Director John Irvine, ROADTEC; Secretary/Treasurer Ryan Essex, Miller Paving Ltd.; CORE Chairman Don Matthews, Pavement Recycling Systems; Past President Bill Garrity, Garrity Asphalt Reclaiming; President Patrick Faster, Gallagher Asphalt Corporation; Director Terry Sharp, Caterpillar Paving Products; Executive Director Mike Krissoff
ARRA Announces 2012 Award Winners

Since 1985, ARRA has presented special recognition awards to deserving public officials and consulting engineers for their overall professional contribution to and their recognition and their promotion of the asphalt recycling & reclaiming industry. During its 36th Annual Meeting, in Bonita Springs, Florida, in February, the Asphalt Recycling & Reclaiming Association (ARRA) announced the recipients of its 2012 awards:

ARRA 2012 Charles R. Valentine Award for Excellence in Cold In-Place Recycling

Amy Schoonover, P.E.
City of Charlotte, Michigan

When Amy Schoonover started her new job as City Engineer for the City of Charlotte, Michigan, she soon realized that she was working for a community that was committed to recycling. The city’s solid waste collection system is one of Michigan’s most successful programs. The Charlotte Area Recycling Authority collects over 700 tons of recyclable waste annually including Styrofoam which is a tremendous commitment for a community the size of Charlotte.

In 2009 Schoonover decided it was time to move past plastic, metal and paper and focus her attention on using recycling as a way to expand her street budget. It didn’t take Schoonover long to realize that roadway recycling is not only environmentally friendly, it is cost effective. After analyzing the different recycling options she chose to use Hot In-Place Recycling (HIR) to upgrade approximately 35,000 square yards of various city streets. Gallagher Asphalt performed the work and the project went smoothly and the HIR process was well received by the community according to Schoonover.

With the success of the 2009 program, Amy again looked at recycling as an alternative for her 2011 rehab program. “I had two major streets that needed serious work” said Schoonover. Because of the condition of the pavements HIR was not an option this time around. At that point she looked into reconstruction versus Cold In-Place (CIR) or Full Depth Reclamation (FDR) as possible solutions. After pavement analysis and testing it was determined that CIR was a viable option. CIR would allow the City to do the work and keep the streets open to limited and local traffic. It also saved the City more than 30 percent over conventional deep milling and overlay.

The project consisted of approximately 18,000 square yards of 3 ½ ” Cold In-Place Recycling using a Wirtgen W-3800CR single unit recycling train and engineered asphalt emulsion supplied by Asphalt Materials Inc., out of their Marion, Ohio plant. The single unit train made the CIR process doable in the urban environment. The work was performed on two sections of Mikesell Street and Hall, Washington and McClure Streets.

Each street had its own special issues. The south section of Mikesell is a dead end street but it serves as the main entrance for trucks delivering materials to Spartan Manufacturing, one of the country’s major producers of firefighting equipment. “It was very important to keep the street open so we didn’t interrupt Spartan’s operations” according to Schoonover. “The Hall-Washington-McClure section is a main cut-through for many of our citizens and I didn’t want to disrupt traffic for an extended period.

Everyone knows how people get upset when you change their routine” she added.

Mikesell Street was constructed in 1977 and consisted of 3” of HMA surface over a thick aggregate base.

The surface showed considerable stress from nearly 35 years of use but the base was in good shape. It was decided that the entire 3” surface and a ½ ” of the existing base could be recycled and that would give the structure needed to support the new overlay. The CIR process including adding 3.8% engineered emulsion with the existing RAP and base material and was performed in one day with limited access for Spartan deliveries.

The Hall-Washington-McClure section was constructed in the early twenties and was last overlayed in 1988. The existing HMA surface varied from 4” to 6” in depth. A portion of the street had been overlay into the existing gutter pan which needed to be removed and most of the section had severe crown which needed to be corrected. On this section it was determined that it would be necessary to do pre-milling to clean out the gutters and also do a 4” deep by 4’ wide pass down the entire center of the street to remove excess material for crown correction prior the CIR process. The street was then recycled with an addition of 2.8% asphalt emulsion. The process took a half day for the pre-milling and one day for the processing and was opened to traffic each evening.

Stephanie Drain of S Drain Engineering of IL, LLC served as the independent Quality Assurance manager for the project. It was Drain’s responsibility to check material gradation, emulsion addition rates and oversee density testing.

ARRA 2012 AEMA-ARRA-ISSA Meeting Wrap-Up
The streets were allowed to cure for a week while the HMA contractor performed utility adjustments prior to the HMA overlay.

Schoonover’s comment after the project was completed “It just makes sense or maybe I should say ‘it makes dollars and cents’ to use recycling whenever possible”.

ARRA 2012 Award for Excellence in Full Depth Reclamation

Ken Longo
Field Services Superintendent
Manchester, Connecticut

The Town of Manchester employs a multi-faceted program to preserve its roadway pavement. From timely crack seal to full-depth road reconstruction, the Town employs several pavement preservation techniques to effectively manage its roughly 550 lane miles of roadway pavement.

One pavement restoration technique that the Town has used effectively in recent years is Full Depth Reclamation (FDR). Manchester has many miles of neighborhood streets lined with century old granite stone curbing. Over years of repeated pavement overlays, the curb reveal has been lost. As part of a comprehensive plan to revitalize these historic neighborhoods with new sidewalks and underground utilities, the town was looking for a cost effective way to replace the pavement, and regain curb reveal. Because Manchester is fortunate to have gravel base in these roads, the Town made the decision to cold plane all of the asphalt surface down to the gravel, reshape and reestablish the roadway crown and then pave. This process allowed the Town to achieve a 5 inch curb reveal along the gutters at a fraction of the cost of full depth road reconstruction.

The one problem with Cold Planing (CP) the full depth of asphalt was that the asphalt product still had to be run through a crusher and processed to become a useable end product.

Manchester made the decision to perform Full-Depth Reclamation on all the streets within the neighborhood. Excess material was hauled from the site as a usable recycled product that is stockpiled at the Town public works facility and is available for use on numerous Town roadway and sidewalk projects. The Town reclaimed over 75,000 square yards of pavement during its 2011 Paving Program.

ARRA 2012 Award for Excellence for Hot In-Place Recycling

Orange County Public Works
Roads & Drainage Division, Orange County, Florida

Since 1995, when Orange County, Florida implemented the first Hot In-Place Recycling (HIR) project, the County has recycled 15 consecutive HIR projects totaling 8.6 million square yards of completed recycled pavement.

The first project completed in 1995 and 1996 on International Drive, was one of the most high profile pavements in the county considering its proximity to the Orange County Convention Center and the surrounding hotels, restaurants and tourist attractions. The economic impact of the businesses on I-Drive, as it is commonly referred to in Orlando, was $3.5 billion, according to statistics provided by the Orange County Convention and Visitors Bureau at the time.

The initial project, with its many challenges, was made all the more difficult when considering the enormous difficulty in protecting the adjoining landscape during recycling operations. No trees, flowers, shrubs or grass were damaged during the recycling operations. This project, as are all Orange County projects, was completed during daylight hours under continuous traffic.

That initial project has led to 14 additional projects county wide that have Hot In-Place recycled the equivalent of 1,222 lane miles. This is truly a remarkable achievement because the County has been able to implement and sustain a program that has saved Orange County taxpayers considerable dollars and natural resources.

Continued on page 32
By recycling existing asphalt pavements in place the county has been able to keep over 470,000 tons of asphalt material from the landfill by reusing it in their asphalt pavements, the very definition of environmental sustainability.

The fact that it has occurred over a 15 year period is due to the leadership and direction of two individuals that have delivered their unwavering support to grow and sustain the recycling program.

Mark V. Massaro, P.E., is the Director of Public Works for Orange County and has directed the use of HIR since 1995. He supervises over 500 employees and has an operational budget of $70 million and a capital improvement budget totaling over $194 million.

Deodat Budhu, P.E., is the manager, Roads and Drainage Division and is directly responsible with his staff for the day to day activities of the HIR program.

Because of the vision and commitment of these two individuals the HIR program has been sustained and grown by developing and implementing a culture within the Department that keeps the taxpayer’s interest at the forefront of their decision making process.

ARRA 2012 Award for Excellence for Soil Stabilization

Michael Lemens, P.E.
Director of Public Works, City of Kenosha, Wisconsin

Michael Lemens, P.E., has been active in professional associations and has demonstrated a progressive attitude in his public works positions. He has been a firm advocate for soil stabilization where it provides advantages over alternative construction methods. The 38th Street project in Kenosha is evidence of that attitude.

The purpose of the 38th Street project was to complete over 1.5 miles of old CTH ‘N’ which needed to be widened and repaved to accommodate the new development of Gordon Foods Services (GFS), the largest distributor of food supplies to hotels and restaurants in the country. The project required a jurisdictional transfer of the road from Kenosha County to the City of Kenosha. The new road is now called 38th Street, connecting STH 142 with Interstate 94 and abuts the airport. The overall cost of the project was $2.9 million.

The existing asphalt pavement was constructed over poor soil and consisted of only 3 inches of hot mix asphalt (HMA), bordered with narrow shoulders and heavy tree lines. There were no disposal sites available for unsuitable materials. New pavement was to be PC concrete, with bike lanes and

turn lanes, to accommodate increased truck traffic at GFS. The project was divided into four phases to assure access to the facility throughout the seasons. A new bridge over the Kilbourn Road Ditch was also required along with new utilities, sewer, water and lighting.

Construction of the new pavement began by pulverizing and re-grading the old pavement to approximate final profile and cross slope. Self-cementing class ‘C’ fly ash was spread at a rate of 120 # / SY on the new surface, mixed with a pulverizer, compacted and graded to final specification requirements. After final grading and rolling with a smooth drum roller, it was ready for a crushed aggregate base course and new 36 foot PC concrete pavement. It rained heavily on the newly recycled surface on several occasions, enhancing the hydration process with no delays in the overall construction schedule. The cost of the project was covered by Kenosha County and the City of Kenosha, Wisconsin with a TEA (Transportation Economic Assistance) grant and Federal American Recovery and Reinvestment Act of 2009 money for the bridge.

The project is now complete - it was a huge success for the City of Kenosha. Contractors involved were Payne & Dolan, LaLonde, Michels, Zenith Tech, Rock Solid and Stark. Mike completed two similar stabilizing projects in subdivisions in 2003 & 2004, both successful. He and the City of Kenosha co-sponsored a stabilization workshop in the City in 2008. It was attended by 65 professionals (engineers & contractors). The program was both successful, informative.

Note: Narrative and testimonial information was excerpted from the nominations submitted.
ARRA President Bill Garrity, Garrity Asphalt Reclaiming and Roads & Bridges Editorial Director Bill Willson presented the awards at the Annual Awards Breakfast

Roads & Bridges/ARRA 2012 Award Winners

Cold Planing Recycling
Project: I-285
Owner: Georgia Department of Transportation

Cold Planing Recycling
Project: City of Los Angeles
Owner: City of Los Angeles, California

Cold In-Place Recycling
Project: I-81
Owner: Virginia Department of Transportation

Cold In-Place Recycling
Project: State Route 32
Owner: Utah Department of Transportation

Full Depth Reclamation
Project: Bumby Avenue
Owner: City of Orlando, Florida


CP - City of Los Angeles  Keith Mozee & BSS Director Nazario Sauceda, City of Los Angeles, California

CIR - I-81  Alan Soltis and Richard Ferron, Lanford Brothers Company

FDR - Brumby Avenue  Bill Garrity, Jeff Roberts, Roadway Management, Inc.; Bill Wilson
ISSA Names Doug Ford 2012-2013 President

The International Slurry Surfacing Association (ISSA) has named Doug Ford, President of Pavement Coatings Co., as its 2012-2013 President. Ford will lead ISSA, now celebrating its 50th year, in its efforts to expand the market for pavement preservation processes, including slurry and micro surfacing, chip sealing and crack treatment, through education of government agencies. In the coming year, ISSA plans to develop a financial support system for educational programs as a part of the Pavement Preservation & Recycling Alliance (PPRA). The PPRA is a combined effort among the Asphalt Emulsion Manufacturers Association (AEMA), the Asphalt Recycling & Reclaiming Association (ARRA) and ISSA. In addition to strengthening ISSA’s commitment to education and in an effort to develop international standard specifications for chip sealing, Ford would like to expand chip seal contractor membership within ISSA.

“This year will be one of the toughest in Doug’s career, but also the most rewarding,” encouraged Pierre Peltier, outgoing ISSA President. “This year, ISSA will face its fair share of obstacles, but the future of pavement preservation looks promising with more and more government agencies learning how to incorporate the processes into their pavement management programs. As a veteran in this industry, Doug will successfully assist ISSA in overcoming the challenges it faces.”

Ford has more than 27 years of experience in the construction industry. He started his career as a project engineer for a California bridge project, after studying civil engineering at the University of Arizona. When that project was complete, he began as foreman for Pavement Coatings Co., a slurry surfacing contractor company with more than 38 years in the industry, and was promoted to vice president in 1995. Pavement Coatings Co. became a division of Pavement Recycling Systems in 2007, and at that time Ford took over as president. Ford is an active member of the California Chip Seal Association and has presented on slurry and micro surfacing, chip sealing and cape sealing at the association workshop. With more than 21 years at Pavement Coatings Co., Ford will lead ISSA with experience from a contractor’s point-of-view and a desire to expand the pavement preservation market he is passionate about.

In addition to naming Ford as President, ISSA has appointed Christine Deneuvillers of Colas SA as Vice President, Rusty Price of Intermountain Slurry Seal as Secretary, Eric Reimschiissel of American Pavement Preservation as Treasurer and Pierre Peltier of Terry Asphalt Materials, Inc. as Past President for the 2012-2013 board of directors.

A complete list of the 2012 – 2013 ISSA Board of Directors and Committee Chairmen appears on pages 56 and 58.
ISSA Announces 2012 President’s Award Winner

The International Slurry Surfacing Association (ISSA) is pleased to announce the presentation of its 2012 President’s Award for Excellence to member firm Micro-Surfacing, Inc., of St. Louis, Missouri. The announcement was made during ISSA’s 50th Annual Convention, held in Bonita Springs, Florida; the award was presented by ISSA President W. Pierre Peltier, Terry Asphalt Materials, Hamilton, Ohio.

ISSA’s annual President’s Award is presented in recognition of contracting achievements which exemplify the highest quality of workmanship, and compliance with the best standards of practice. Roadway projects submitted for consideration are judged on the merits of utility, appearance, schedule completion, customer satisfaction and safety. Micro-Surfacing, Inc. qualified for the Award after completion of its work on the I-70 and I-270 project in St. Louis, Missouri.

The I-70/I-270 project was a traffic safety project to improve pavement surface friction on both interstate highways in St. Louis, Missouri. In addition to improving pavement surface, the project included improving many ramps with HMAC overlays in the same contract. The biggest challenge in this project was coordinating the work crews doing patching, micro-surfacing, traffic control and striping so that each crew could get in a full night’s work and still have the roadway opened and re-striped by 5AM each morning.

On 70 nights, one or more crews worked on the project. There were no accidents or work related injuries. The project was completed on time and under budget.

Another key challenge was scheduling and coordinating night-time traffic control in a downtown urban environment. In total there are 86 separate on/off ramps within the limits of the project. Consecutive ramps were not allowed to be closed at the same time. All signs and traffic control equipment were required to be off the roadway by 5AM.

This project is the largest interstate Micro Surfacing project ever done in the four state area of Missouri, Illinois, Indiana and Iowa. Traffic volumes on the sections Micro Surfaced varied from 100,000 to 140,000 vehicles per day.

Honorary Membership

The 50th Annual Convention was an appropriate time to confer Honorary Membership on two men who served the association well during their active membership years:

Larry Day, Ballou Pavement Solutions (retired) - ISSA President 1999
Nigel Kerrison, CRS Emoleum (retired) - ISSA President 2005

For additional information on the award and its corresponding project, contact Tom at tomr@micro-surfacing.com. Full details of the project follow the President’s Award link on www.slurry.org.
2012 AEMA-ARRA-ISSA Meeting Wrap-Up

Annual Meeting Album

Pierre Peltier, Terry Asphalt Materials; Honorable Ben Nelson, Mayor, City of Bonita Springs, Florida; Bucky Brooks, Asphalt Materials, Inc.; Andrew Fox, InVia Pavement Technologies

Arlis Kadrmas, BASF Corporation; Andrew Fox, InVia Pavement Technologies; David Welborn, MWV

Baxter Burns, Ergon; Michael Beer, Williams & Jenson; Jim Moulthrop, FP2, Inc.

US Secretary of Transportation Ray LaHood and Patrick Faster, Gallagher Asphalt Corporation

Garrett, Sherry and Neil Guiles, Vestal Asphalt
Annual Meeting Album

Jean Etienne Urbain, Eurovia France; Abdeltif Belkahia, Colas; Marc Proteau, Eurovia North America

John Birchall, VSS Macropaver; Alan Berger, Valley Slurry Seal; Christine Deneuvillers, Colas; Tim Harrawood, Vance Brothers

Tom Kieman, Lafarge North America and John Irvine, Roadtec

Kim and Michael Bailey with Barry and Laurette Baughman, ULTRAPAVE Corporation

Darren Coughlin, Coughlin Company; Chuck Valentine, Valentine Surfacing Company

Dixie Martin, Doug Martin Contracting; Tom and Debbie Ritschel, MSI
Thank you Brett Towns from BASF Corporation for once again stepping up and Chairing the AEMA-ARRA-ISSA Golf Tournament

Team
First place -10

- Peter Barnett - Cruickshank Group
- Eugene Cifers – Asphalt Emulsion Inc.
- Terry Hegner – Momentum Technologies, Inc.
- Reid McIntyre – Cruickshank Group

Second place – 9 (3 way tie) Teams

- Andrew Fox – Invia
- Tim Harrawood – Vance Brothers Inc.
- Mark Ishee – Ergon Asphalt & Emulsions, Inc.
- Larry Tomkins – Ergon Asphalt & Emulsions, Inc.
- Thad Harker – Cryogenic Engineering
- Tom Ritschel - Micro-Surfacing Inc.
- Brad Schneider – Specialties Company LLC
- Noel Schultz – Jebro Incorporated
- Marc Mitchell – Paramount Petroleum
- Brett Towns – BASF Corp.
- Jim Towns – Western Emulsions Inc.
- Scott Watson – Blacklidge Emulsions Inc.

Long Drive
Mark Ishee – Ergon Asphalt & Emulsions Inc.

Womens Long Drive
Suzy Clayton – Western Emulsions Inc.

Closest to the Pin
- Hole 2-Bucky Brooks – Asphalt Materials Inc.
- Hole 4-Jim Towns – Western Emulsions Inc.
- Hole 6-Matt Kennedy – McAsphalt Industries Limited
- Hole 13-Eric Bowen – Colas Inc.
- Hole 15-Peter Barnett – Cruickshank Group
Annual Meeting Album

Al Palmer, Road Science-ArrMaz; Pete Grass, Asphalt Institute; Lisa Wolf, Road Science, ArrMaz

Hans Ho, Telfer Oil Company; Jim and Judy Ryan, Paramount Petroleum

Todd Thomas, Colas Solutions, Inc.; Justin Black, Flint Hills Resources

Kim and Michael Bailey with Barry and Laurette Baughman, ULTRAPAVE Corporation

Paige and Bruce Benedict, Benedict Slurry Seal; Fred Dabney, Slurry Pavers

Don Kaiden, Ballou Pavement Solutions Inc. and Chris Anspaugh, Strawser Construction Inc.
ISAET ’12 Program Chairman Gaylon Baumgardner has provided the preliminary list of presentation titles and their authors for the upcoming 5th International Symposium. More submissions are expected to be added to the list. Please mark your calendar with the above date. These symposia are held at four year intervals.

The symposium will embrace research and practice with respect to manufacturing, use and performance of asphalt emulsions. The 2012 conference will provide a forum for discussion of leading research work, encourage presentation of case studies demonstrating the implementation of research into practice, and foster discussion on producing better performing and cost effective asphalt emulsions.

The technical program will last three days and will build on the strong traditions established by the previous five World Congresses on Emulsions and the previous four International Symposia on Asphalt Emulsions, held in Washington in 1996, 1999, 2004 and 2008.

Organized under the auspices of the International Bitumen Emulsion Federation

**ISAET ’12 Titles and Authors**

Analyzing Main Parameters of Asphalt According to Specific Weight of River Resource Materials  
Negar Tavaf, Tehran University

**Cold Emulsion Mixes with Modifying Additives - Evaluation and Forecasting of the Cure Time**  
Pavel Vavilov, Republican Affiliated Unitary Entity (Belarus)

**A Novel Design Method for Slurries and Micro Surfacing in South Africa**  
Morne Labuschangne, Colas South Africa

**Formulation of Emulsions for Micro-surfacing Applications**  
Bernard Eckmann, Eurovia Technical Group

**Measuring Surface Tack of Modified Asphalt Binders and Emulsion Residues Using a Dynamic Shear Rheometer (DSR)**  
Christine Gorsuch, Akzo Nobel

**Bitumen Emulsions in Sprayed Seals: Experience and Current Best Practice in South Africa**  
Saied Solomons

**A Simple Field Test to Determine Return to Traffic on Full-depth Reclamation and Cold In-place Recycling Projects**  
Andrew Braham/R B Hill, University of Arkansas

**The Development of a Mix Design for Bituminous Emulsions Full-depth Reclamation Mixtures**  
Andrew Braham/R B Hill, University of Arkansas

**Thermal and Visco-elastic Analysis of Various Asphalt Grades to Understand Emulsion and Asphalt Concrete Properties**  
Irina Cotuga, Latexfalt

**Advanced Emulsions Produced Using a New Bio-stabilizer to Maintain Porous Asphalt Concrete Roads**  
Bert Jan Lommerts, Latexfalt

From Low Penetration Grade asphalt Emulsions for Applications in Road Construction  
Steven Mookhoek, Latexfalt

**Development of Micro-surfacing for High Traffic in Thailand**  
Michel Lenfant, Tipco Asphalt PCL

**Modified Bitumens Derived From Clay-stabilized and Clay-modified Emulsions**  
Alan James, Akzo Nobel

**Aggregate Properties for Micro Surfacing on High Volume Routes**  
John D’Angelo, Paragon Technical Services, Inc.

**Emulsified Asphalt Mixes - Common Points, Advantages, Particularities and Drawbacks**  
Jean-Pierre Serfass, USIRF

**Emulsified Asphalt Mixes - Overview of the Emulsified Asphalt Mixes in France**  
Bernard Eckmann, Eurovia Technical Group

**Emulsified Asphalt Mixes – Grave-Emulsion Assessment and Design**  
Frederic Delfosse

**Emulsified Asphalt Mixes – Emulsified Asphalt Concrete Assessment and Design**  
Abdeltif Belkhatia, Colas

**Emulsified Asphalt Mixes – Proposed Mix Design Method and Performance-Based Specifications**  
Jean-Pierre Serfass, USIRF

**Micro-Surfacing Technique with Natural Rubber**  
Kasidis Chareancholwanich
Call for Papers

AEMA 40th Annual Meeting
ARRA 37th Annual Meeting
ISSA 51st Convention

The AEMA-ARRA-ISSA Program Committee is already hard at work on the upcoming meeting at the Renaissance Esmeralda Resort – Indian Wells, California, February 19 – 23, 2013. They are actively seeking presentations from the membership of all three associations.

For more information or to submit an abstract for consideration, please contact Program Co-Chairs:

Mark McCollough, AEMA mark.mccollough@asphalt-materials.com
Andrew Fox, ARRA andrew@invia-tech.com
Rusty Price, ISSA rusty.price@gcinc.com

The deadline for the preliminary program is September 1; if you would like to be on the program and have not contacted the program chairs, please do so immediately.

Meetings - Seminars - Webinars - Workshops

AEMA-ARRA-ISSA Annual Meeting
February 19 - 23, 2013
Renaissance Esmeralda Resort
Indian Wells, California

Preliminary plans are well under way and Committees are hard at work with plans to make this meeting productive, informative and memorable!

AEMA 40th Annual Meeting
ARRA 37th Annual Meeting
ISSA 51st Annual Convention

Winter - 2015
Paris, France

Asphalt Emulsion Manufacturers Association
42nd Annual Meeting

Asphalt Recycling & Reclaiming Association
39th Annual Meeting

International Slurry Surfacing Association
53rd Annual Meeting

2nd International Conference on Pavement Preservation

6th World Congress on Emulsion

Preliminary plans are well under way and Committees are hard at work with plans to make this meeting productive, informative and memorable!
Member Official Representatives:

Membership directories are in production. All member information contained in the directory is taken from the information for your company which is displayed in your member company profile on the website. If you are the official representative for your company, please visit your listing on the webpage

www.aema.org   www.arra.org   www.slurry.org

and make sure your company and personnel information is up-to-date.

It is never too late to add additional information such as states in which we work, what we do, services provided and additional contacts.

We frequently direct telephone inquiries to the member company profiles listed on our websites. The more information you provide, the easier it is for potential customers to find you!

Please call HQ if you have any questions or problems making additions or corrections to your listing.

Corrections/changes were due to be made no later than April 16, 2012 in order for the information to be included in the new 2012-2013 Membership Directories.

AEMA-ARRA-ISSA Headquarters
410-267-0023
The situation with the reauthorization bill has not improved since the last update at the end of January but we continue to be engaged in attempting to secure a significant piece of legislation. The Senate passed S. 1813, Map-21 by a 74-22 margin on March 14. This is a fairly wide margin and should send a strong message to the House. The amendments to the bill that passed have not impacted pavement preservation language that we were able to have inserted. The Senate bill cannot be sent to the House because it raises revenue and all revenue raising bills must originate in the House.

On the other hand, the House has not debated their version of the bill and the current law was set to expire on March 31 but the House and Senate agreed to a 90 day extension and plans are for the House to take up discussion of their version after the Easter recess.

We, and our advocacy firm, Williams and Jensen, plan to keep up the good fight!

Those of you that attended any of the Pavement Preservation Partnership meetings last Fall and the AEMA, ARRA, ISSA meeting in Florida will no doubt remember that the National Center for Asphalt Technology (NCAT) at Auburn University plans to prepare their test track for a fourth cycle of loading and that states who sponsor work at the track are interested in evaluating several pavement preservation treatments during the next cycle. Representatives of FP2 plan to meet with the track staff in early April to discuss the plans for the placement and evaluation of the treatments. The track personnel are very willing to meet and exchange ideas with the preservation industry regarding these issues.

Plans continue for the National Pavement Preservation Conference in Nashville, TN which is scheduled for the last week in August, 2012. Organizing, Technical, and Demonstration committees have been hard at work arranging for first class conference. “Live” demonstrations of several preservation treatments including chip seal, microsurfacing, scrub seal, and a rejuvenating seal will be applied. A spouses program including tours of historical sites in both Nashville and Franklin, TN and shopping opportunities are also in the mix. Circle your calendars and plan to attend. The venue is the Renaissance Hotel in the heart of downtown Nashville.
Update of PRRC Activities

by Stephen A. Cross, Executive Director

The last few months have been very busy times at the Pavement Recycling & Reclaiming Center (PRRC). Most of our energies have been focused on the revision of the Basic Asphalt Recycling Manual or BARM. A draft copy was recently prepared and sent to the ARRA CORE Committees for review and comment. Comments have been received and we are in the process of compiling all comments and producing a revised draft. The revised draft should go to FHWA for their comments and then one final go-through before being sent to the publisher. Thanks to all who assisted with revisions and with submittal of photographs. We still have a few photos that need to be upgraded so you might be hearing from us.

The PRRC has two other active research contracts, one with Caltrans and the other is with the Oklahoma Transportation Center. The Caltrans study is a comprehensive review of their CIR program. Pavement condition surveys were performed on existing CIR projects and projects prior to CIR reconstruction. The information gathered will be used to determine the overall condition/success of Caltran’s CIR program and to gather information to assist with revisions to their current specification and mix design procedure. For the second project, the Oklahoma Transportation Center provided funds to assist with making a portion of the BARM interactive. It is anticipated that this project will lay the groundwork for a frequently asked questions section on our web page as well as hosting video’s of HIR, CIR and FDR construction. Work will pick up substantially on this project now that the BSRM is nearing completion.

Progress is being made on several of the PRRC’s initiatives. Students at Cal Poly Pomona are working on gathering information and literature on environmental/sustainability aspects of in-place recycling. These are the first steps in development of a sustainability calculator for our web page. In addition, students are working on a database to catalog in-place recycling projects. More information on these efforts should be available in the near future.

PRRC staff continues to be active making presentations on all phases of recycling at meetings and conferences. In January the PRRC participated in the Bay Area Metropolitan Transportation Commission’s Sustainability and In-Place Recycling workshop. In addition to the MTO workshop, PRRC staff made presentations in January at the 91st Annual Meeting of the Transportation Research Board in Washington DC, and at the Municipal Roads Technologies Conference in Toronto, Canada. PRRC participated in the 2012 ARRA Annual Meeting in Bonita Springs, FL, in February and at the 2012 Wyoming Contractors Association/WYDOT COOP Training Conference in March.

The National Highway Institute is revising their course on In-Place Recycling. PRRC staff participated on the advisory panel and at the pilot workshop in March hosted by the Missouri DOT. Finally, PRRC will participate in FHWA’s earth day webinar on in-place recycling, scheduled for April 24. More information on all of our activities can be found in our latest newsletter posted on our web page, www.prrcenter.org.

More Annual Meeting Album Pic’s
After months of planning, revising, technical review panel conferences, and further revising, the NHI Pilot for the revamped In-Place Asphalt Recycling Techniques Workshop is finally behind us. In the words of Blair Barnhardt, a member of both ARRA and ISSA and NHI instructor who has delivered each and every offering of this workshop in its previous format across the Nation, “This was by far the most challenging teaching experience I have had in close to two decades of technical training...talk about intimidating!”. The technical panel shown in the photo below includes, Charlie Pan, Nevada DOT, Joe Schroer, MODOT and Host of the Event, Don Matthews, Pavement Recycling Systems and ARRA Core Chairman, Lee Gallivan, FHWA, Dr. Steve Cross, PRRC, Vanessa Almony, NHI Contract Manager, Jason Dietz, FHWA and Tom Deddens, FHWA.

About 30 participants from MODOT had the chance to learn detailed HIR, CIR and FDR information during the pilot. All instructors and technical panel concur that this new improved version of the course with emphasis on construction, mix designs and specifications as laid out in the BARM, along with the numerous eco efficient money saving case studies and interactive workshops is destined to be a hit among State agencies and local municipalities. In addition to the two day instructor led training, there is also a short web based mandatory training module that precedes the class room training.

The new curriculum for the NHI workshop will likely see one more round of revisions before it is advertised on the NHI website. For more information on the workshop or to sign up please visit the NHI website at www.nhi.fhwa.dot.gov once the course is offered to the general public. The timing couldn’t have been better for ARRA, as the NHI curriculum and the revised BARM should hit the street at approximately the same time frame. For Barnhardt, who has been fully immersed in the long months of NHI revisions along with the design and delivery of the University of Kansas Pavement Management Certificate Program, he states, “It is time to take a well deserved vacation somewhere around Annapolis, and on a boat that has plastic ducks on the dash board!”

For more information, you can contact Blair Barnhardt via email at: blair@thebarnhardtgroup.com

Photographs courtesy of Blair Barnhardt
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2012-2013 Board of Directors

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tharrawood@vancebrothers.com
ISSA Members

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

CONTRACTOR MEMBERSHIP
A-1 Chipseal & Rocky Mountain Pavement
AC Pavement Striping Company
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American Pavement Preservation
American Pavements, Inc.
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Arrowsmith Road Maintenance, Ltd.
Asphalt Maintenance Solutions, LLC
Asphalt Surface Technologies Corp (ASTECH)
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Western Emulsions Inc.

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Ao Pavement Consulting
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Construction Engineering Labs
Emuldek
Integrated Asphalt Solutions, LLC

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Petroleum Sciences, Inc.
PRI Asphalt Technologies Inc.

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City of Laguna Niguel
City of Las Vegas Streets & Sanitation
City of North Las Vegas
City of Pocatello
City of Scottsdale
Dept. of Planning, Transport & Infrastructure
Lake Havasu City
Los Angeles County DPW
Manitoba Infrastructure and Transportation
MnDOT
Queensland Department of Main Roads
RIOH - MOC
Whitpain Township

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John Lysenko
National Center for Pavement Preservation
The Barnhardt Group, LLC
University of Kansas Continuing Education

HONORARY MEMBERSHIP
*Russell R. Ballou - Ballou Construction Co.
*C. Robert Benedict - Benedict Slurry Seal
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
Harold McKeever - Roads & Streets Magazine
Darryl Montgomery
Bob Province - APCO
*Ted Van Pelt
*Raymond Young

Barlow Marketing Group

AEMA-ARRA-ISSA Newsletter 2012 Issue #2 59
AEMA Welcomes New Member

NORTH AMERICAN MANUFACTURER MEMBERSHIP

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Asphalt Emulsion Manufacturer

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

Request for Online Educational Videos

We’re still seeking links for online educational videos or presentations. Do you have them on your company website? Curious people hungry for information contact AEMA, ARRA, and ISSA constantly, seeking more detail about the materials, products, and processes we represent. We are aware that at least a few of our member companies have gone to great lengths to build very informative websites to showcase various pavement preservation, recycling, and reclaiming technologies. We’d like to publish this list but first must give all members the opportunity to be included. If you have such material available online, and if it is purely and generically informative and educational and not a sales pitch, please send an email message including the appropriate links to Executive Director Mike Krissoff at krissoff@krissoff.org. We’ll take a look at what we receive and assemble the appropriate items into a list for publication.

Just have a look at what Ergon has done by visiting www.savemyroad.com

Please check out http://pavinars.uark.edu/Previ-ous_Pavinars.php - This link was sent to us by Andrew Braham, Ph.D., Assistant Professor, University of Arkansas, Department of Civil Engineering. Andrew has uploaded several one-hour presentations on various pavement topics (both flexible and rigid). These presentations are recordings of live presentations.

Find us on Facebook

Asphalt Emulsion Manufacturers Association
Asphalt Recycling & Reclaiming Association
International Slurry Surfacing Association

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

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Dennis Thomas, President
Slurry leveling and Crack Sealing

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Fax  716-692-0613
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Web  www.midlandasphalt.com
Tim Montag, Marketing Manager
Pavement Preservation, Emulsion Supplier

Owens Corning
8190 W. Deer Valley Road, Suite 104-206
Peoria, AZ 85382
Phone  623-566-0260
Fax  419-325-9871
Email james.e.patterson@owenscorning.com
Web  www.owenscorning.com
James Patterson, Cem-Fil Market Manager NA
Glass fibers for reinforcing slurry seal and micro surfacing.

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Phone  949-362-4325
Fax  949-362-4385
Email fborges@cityoflagunaniguel.org
Web  www.cityoflagunaniguel.org
Frank Borges, Senior Civil Engineer
Awarding and administration of slurry seal contracts

The University of Kansas

Asphalt Pavement Management, Recycling & Preservation
Online Certificate Program
August 23, 2011–March 27, 2012

Three live, online modules cover pavement evaluation, management, recycling and preservation.

Learn to:
• evaluate pavement distress and recommend repair strategies.
• use techniques such as crack sealing/filling, patching, chip seals, slurry seals, micro-surfacing, and thin overlays.
• couple the pavement management program to the recycling and preservation components.
• identify strategies to get more years of service from newer pavements.

www.ContinuingEd.ku.edu/programs/pavement_management/

NEW! ISSA Logo Available to Members

The new 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
<table>
<thead>
<tr>
<th>Event Description</th>
<th>Date</th>
<th>Event Name</th>
<th>Location</th>
<th>Website URL</th>
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<tbody>
<tr>
<td><strong>2012</strong></td>
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<tr>
<td>Aug 26 - 29</td>
<td>APWA –</td>
<td>Anaheim Convention Center</td>
<td>Anaheim, CA</td>
<td><a href="http://www.apwa.net">www.apwa.net</a></td>
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<tr>
<td>Sep 11 – 13</td>
<td>Western States Regional In-Place Recycling Conference</td>
<td>Ontario, California</td>
<td><a href="http://www.aema.org">www.aema.org</a></td>
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<tr>
<td>Oct 10 - 12</td>
<td>ISAET 2012 - Int'l Symposium on Asphalt Emulsion Technology</td>
<td>Hyatt Crystal City - Crystal City, Virginia</td>
<td><a href="http://www.aema.org">www.aema.org</a></td>
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<tr>
<td>Oct 29 – 30</td>
<td>ARRA Semi-Annual Meeting – <a href="http://www.arra.org">www.arra.org</a></td>
<td>St. Louis Union Station Marriott, St. Louis, MO</td>
<td><a href="http://www.arra.org">www.arra.org</a></td>
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<td></td>
<td>ARRA Board Meeting on October 28th</td>
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<td><strong>2013</strong></td>
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<tr>
<td>Feb 19 - 23</td>
<td>AEMA-ARRA-ISSA Annual Meeting</td>
<td>Renaissance Esmeralda Resort - Indian Wells, CA</td>
<td><a href="http://www.aema.org">www.aema.org</a></td>
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<tr>
<td>Nov 10 - 13</td>
<td>PPRA Fall Meeting</td>
<td>Dallas Marriott City Center - Dallas, Texas</td>
<td><a href="http://www.infratech.com">www.infratech.com</a></td>
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<td><strong>2014</strong></td>
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<td><strong>2015</strong></td>
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<tr>
<td>Feb</td>
<td>AEMA-ARRA-ISSA Annual Meeting</td>
<td>Paris, France</td>
<td><a href="http://www.aema.org">www.aema.org</a></td>
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<td><strong>2016</strong></td>
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<tr>
<td>Feb 23 - 26</td>
<td>AEMA-ARRA-ISSA Annual Meeting</td>
<td>Hyatt Regency Coconut Point - Bonita Springs, Florida</td>
<td><a href="http://www.aema.org">www.aema.org</a></td>
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<td><strong>2017</strong></td>
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</table>
COLD-IN-PLACE RECYCLING SYSTEMS
The Original Front Discharge Cold-in-Place Recycle Train

CRMX-2

- Number 1 in sales, more units produced since 1991 than any other train.
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