



People, Plants & Paving Digital Conference

TUESDAY, MARCH 9 – AGENDA

Time - Central	Track	Session Title	Speakers	Session Description
10:00-11:00 am	Plants	Asphalt Emulsions 101: Proper Handling, Storage, and Sampling of Emulsions	Bob McGennis, HollyFrontier Asphalt Company	Asphalt emulsions are an important product used daily in paving operations. In order to ensure specified engineering properties of an emulsion, it is critical that the product be produced properly, that handling and storage of the emulsion is performed in accordance with ASTM/AASHTO specifications, and that samples are handled correctly. This session is intended to address these "background" issues for asphalt emulsions.
10:00-11:00 am	Paving	Taking the Voodoo out of Automatic Grade & Slope Control - Sponsored by Caterpillar Inc	Todd Mansell, Caterpillar Paving	Regardless of the brand of automatic grade & slope control system on your paver, they all work the same way. Companies spend a lot of money on automatic grade & slope control systems; however, they are often under-utilized. The goal of this session is to allow paving crews to feel comfortable setting up and using automatic grade & slope systems over a wide range of applications to achieve exceptional results.
10:00-11:00 am	People	Improving Community Relations for Asphalt Companies	Aaron Parker, Silver Star Construction Sheila Barkevich, Callanan Industries - a CRH Company	Asphalt and aggregate companies offer significant advantages to communities across the country. Yet their contributions to modern society's quality of life are rarely communicated and are not generally well understood by the general public. Many companies have developed programs to connect with local communities, organizations, and neighbors, which can help improve a company's image and recognition in its community. This session will have two speakers providing perspectives from across the country that can help you establish or grow your own community engagement programs.
10:00-11:00 am	Paving	Best Practices for Milling and Profiling - Sponsored by Wirtgen America Inc	Tom Chastain, Wirtgen America	More than any other pavement property, the traveling public wants a smooth surface on which to drive. The process starts with the milling or profiling operation to achieve optimum smoothness before paving. Achieving smoothness with the profiling operation puts more bonus dollars into the contractor's pocket.
10:00-11:00 am	Environment, Health, Safety & Sustainability	Maintaining Safer Work Zones - Sponsored by Volvo Construction Equipment	Crystal May, CRH Americas Materials	Over the last decade, the reduction in roadway work zone injuries and fatalities has remained steady. Not only do road construction workers need to be aware of hazards inside the barrels, but workers also need to be mindful of third-party vehicular intrusions, which appear to be increasing. Learn about some of the technologies and training tools available to help maintain workplace safety inside road construction work zones.
11:15-12:15 pm	Paving	Asphalt Applications for Sports Facilities	Tim Murphy, Murphy Pavement Technology, Inc.	With more than 300 member companies, American Sports Builders Association is a national organization for builders, designers and suppliers of materials for tennis courts, running tracks, natural and synthetic turf fields, and indoor and outdoor synthetic sports surfaces. Whether on running tracks, tennis courts, or other sports surfaces, ASBA builders are on the front line every day using asphalt, coating the surfaces, and presenting the finished product to their customers. This session will share ASBA insight on asphalt products — paving patterns, perception of recycled content, the importance of planarity vs. load carrying strength, compaction tests, etc. They will have pointers on what would make your products easier to work with, and easier to sell to their customers, making it a win-win for the asphalt producer and ASBA.
11:15-12:15 pm	Pavement Preservation	Slurry and Microsurfacing Systems for Pavement Preservation - Sponsored by Wirtgen America Inc	Eric Reimschiessel, American Pavement Preservation	Pavement preservation is a critical management issue for all agencies. The asphalt contractor has a variety of tools available to meet various pavement

				needs. This session will provide the attendee with the latest information on slurry systems (i.e., slurry seal and microsurfacing).
11:15-12:15 pm	Plants	Pavement Design for Practitioners	Trenton Clark, Virginia Asphalt Association	The design of a new asphalt pavement or an overlay of an existing pavement must account for the subgrade conditions, traffic volume, traffic loading, and environmental conditions. With asphalt overlays, the condition of the existing pavement must be known. PaveXpress software integrates all these considerations in an easy-to-use stepwise process. This session will identify key requirements for a new or overlay pavement design and provide examples of solutions to pavement designs. This approach can provide a reality check for other pavement design methods.
11:15-12:15 pm	Environment, Health, Safety & Sustainability	Developing a Respiratory Protection Program for Asphalt Plants	Bradford T. Hammock, Littler	In the midst of the continuing coronavirus pandemic, companies must continue to ensure compliance with the Silica Rule, especially at the plant level. One contradictory PPE policy – the use of face coverings in lieu of N-95 masks, and even the discouragement of using N-95 masks with exhalation valves to protect against COVID-19, can put PPE policies at odds when trying to protect employees against silica dust exposure. In addition, as companies accumulate and review facility exposure assessment data, the use of respiratory protection for activities becomes more important. Learn how and what type of Respiratory Protection Program might need to be implemented across your facility (and field) operations.
11:15-12:15 pm	People	A Conversation with Dave Turin: Finding the Gold Lining in Challenging Times - Sponsored by Volvo Construction Equipment	Dave Turin - star of GOLD RUSH: DAVE TURIN'S LOST MINE on Discovery Channel	Live session - Knowing you are not alone in fighting for business success can help you stay the course. Learn how growing up in an asphalt business has helped shape Dave Turin's career and have a peer-to-peer conversation as he shares the challenges that he has faced in the last year. Understand some of what drives him to succeed and what's on his mind as we look ahead in the next year. Come prepared with your questions and join him on the digital stage.
12:45-1:45 pm	Paving	Not Everything is Flat: Paving Up, Down and Around - Sponsored by Caterpillar Inc	Todd Mansell, Caterpillar Paving	Proper paver setup and use of automatic and manual grade and slope control enables contractors to tackle a wide variety of paving scenarios. This session will cover best practices for paver setup and take off on uphill and downhill grades, wide-width paving, and paving through super elevations.
12:45-1:45 pm	Paving	Best Practices for Material Transfer Operations - Sponsored by Dynapac North America LLC	Andy Adamcik, Weiler	Material transfer operations are used routinely across the U.S. The two primary types of operations are 1) self-propelled machines designed to accept mix from the truck and transfer the mix to the paver hopper and 2) windrow paving in which a windrow of mix is placed on the pavement in front of the hopper and is transferred into the hopper via an elevator. The fundamental operations are similar, but the operational requirements are very different between the systems. This session will discuss practical operational issues for both types of equipment.
12:45-1:45 pm	Plants	Introduction to Modified Asphalt Binders	Dr. Robert Kluttz, Kraton Polymers U.S., LLC	The use of polymer-modified asphalt binders continues to grow nationwide. Polymer-modified binders can provide substantial improvement in the performance of the asphalt mixture. This session is intended to help contractors understand how polymer-modified binders are produced and how to properly handle the product.
12:45-1:45 pm	People	Diversity Driven Success in Your Business	Marilyn Grabowski, Atlantic Infra Nicole Federico, Atlantic Infra	The session will help business owners and hiring managers learn ways they can incorporate diversity in their business decisions and learn how implementing diversity will create greater success within their organizations. Attendees will hear examples from an owner who has instilled diversity in her paving business and has reaped the benefits with a stronger workforce and a thriving business.
12:45-1:45 pm	Pavement Preservation	How to get rid of mountains of RAP at your plant	Don Matthews, Pavement Recycling Systems Inc.	Many contractors produce more RAP than they can use in conventional hot recycled mixes. This session will provide the attendee with other ways RAP has been successfully utilized in a variety of applications including cold central plant recycled mixtures, chip seals, slurry and micro surfacing, and as aggregate surfacing. This session will cover the basics of construction techniques, additive selection, costs and will provide case studies of these different applications.

2:00-3:00 pm	Paving	How to Use Intelligent Compaction Effectively - Sponsored by Volvo Construction Equipment	Tim Kowalski, Wirtgen America Inc. Neal Proctor, United Contractors Midwest	Use of Intelligent Compaction (IC) is growing. The emphasis is now on using GPS on rollers to ensure consistent rolling patterns. This session will focus on the background for IC, where and how the systems can be utilized, and what advances are being made in the technology.
2:00-3:00 pm	Paving	Construction Methods and Design Elements for Porous Pavements - Sponsored by Wirtgen America Inc	Tom Baird, Barton and Loguidice	Porous asphalt pavements are being used by many owners to construct asphalt pavements that become part of the stormwater solution, reducing runoff, improving infiltration, and saving land. The performance of these pavements depends on proper design, materials, construction methods, and quality control. In this session you will get an understanding of porous pavement design and understand the details of proper construction practices, material selection, and how to market porous pavements.
2:00-3:00 pm	Pavement Preservation	Combination Treatments for Pavement Preservation	Pierre Peltier, Terry Asphalt Materials, Inc.	Combining nonstructural surface treatments to address specific levels of distress can be very beneficial to agencies that are confronted with a variety of pavement preservation and maintenance challenges. These tailored treatments provide a durable final surface and are a very cost-effective approach for improving pavement condition. This session provides information on how to get the best possible results while using combinations of preservation treatments.
2:00-3:00 pm	Environment, Health, Safety & Sustainability	COVID-19: Health & Safety Protection and Protocols One Year Later	Howard Marks, National Asphalt Pavement Association	We all remember where we were one year ago when the COVID-19 coronavirus pandemic started to disrupt everyday life. Since then, and especially during the early phases of the pandemic, federal, state, and corporate COVID protection policies were initiated – some with contradictory or changing requirements. Learn how road construction companies implemented and revised COVID response policies to ensure their plant and field employees remained safe. And understand what types of PPE policies companies might think of implementing if the pandemic continues.
2:00-3:00 pm	Plants	Making Sense of Your Data - Sponsored by Gencor Industries Inc	Marty McNamara, Granite Construction Inc.	Over the last 25 years, contractors have made significant investments in their quality control programs as they work to improve quality and financial performance associated incentive/disincentive specifications. Improvements in software and other technological based tools have enabled QC programs to collect a significantly amount of data. Being able to separate critical data from non-value-added data and efficiently disseminate this data in different formats to different levels within the organization to manage and improve material first time quality (FTQ) can be a challenge. This session will discuss best practices as it relates to collecting, analyzing and disseminating QC data throughout an organization.

(Scroll for Day 2 Schedule)

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People, Plants & Paving Digital Conference

WEDNESDAY, MARCH 10 – AGENDA

Time - Central	Track	Session Title	Speakers	Session Description
10:00-11:00 am	Plants	Mixture Design Part 1: Creating the Balance - Sponsored by Gencor Industries Inc	Shane Buchanan, CRH Americas Materials	Asphalt mixture design is a critical step in achieving long-lasting asphalt pavement performance. An asphalt mixture should possess adequate stability (i.e., resistance to permanent deformation/rutting) and durability (i.e., resistance to cracking) for the intended design application. Balanced mixture design (BMD) is receiving considerable national attention due to observed durability-related pavement issues. The primary objective of BMD is to design asphalt mixtures using performance tests for job-specific conditions, instead of relying strictly on volumetric properties. In simple terms it means “designing the right mixture for the right job.” This session will answer critical questions related to BMD to help ensure adequate readiness in the future.
10:00-11:00 am	Paving	It’s a Digital World – The Move to Paperless Tickets	Richard Willis, National Asphalt Pavement Association Jeff Goretski, CRH Americas Materials	Over the past year, a number of agencies and contractors have accelerated the implementation of e-ticketing. While the initial push to implement this technology was based on health and safety requirements for social distancing during the COVID-19 pandemic, there are numerous other advantages to this technology which include increased operational efficiency, improved safety performance by improving pedestrian vehicle segregation, driver behavior, and reduced human interaction through handoff’s, as well as streamlined processing of the ticket data. While ticket digitization sounds simple, it is typically coupled with other technologies such as GPS truck tracking. As states and contractors work together to develop standards, it is important to have conversations about the intent of e-ticketing, overall goals and objectives, and how to manage the data these systems provide.
10:00-11:00 am	Paving	Machine Control Technology in Paving and Milling - Sponsored by Blaw-Knox	Brian E Girouard, Trimble Inc Kevin Garcia, Trimble Inc	Machine control technology for asphalt paving screeds and mill drums comes with numerous options. The appropriate solution depends on the needs of the contractor and the specifications of the project. Often systems will be a combination of factory-supplied and aftermarket products. Two-dimensional (2D) control systems incorporate grade and slope using any number of sensors, including angle sensors, sonic sensors, and lasers. Three-dimensional (3D) machine control solutions use Global Positioning Systems or total stations to control the machine to a 3D model and offer the highest possible accuracy. As the demands on our infrastructure are ever increasing, it has become critically important that contractors adopt technology to maximize quality and smoothness while minimizing construction costs and shortening the time required to complete projects. Using best available technology will assist in providing longer-lasting roads.
10:00-11:00 am	Environment, Health, Safety & Sustainability	Stormwater Runoff from RAP Stockpiles - Sponsored by CWMF Corporation	Chad Spreadbury, University of Florida	The environmental impact of stormwater runoff from reclaimed asphalt pavement (RAP) stockpiles continues to raise questions and concerns even though research shows the material as safe. While RAP is not considered a hazardous waste, different state environmental agencies regulate RAP differently. While asphalt itself is considered inert, RAP may contain vehicular surface deposits like fuel and brake dust. Over the last few months, two Florida universities released study results that, on the surface, appear to be contradictory. Learn how these and other studies reinforce the safety of stormwater runoff from RAP stockpiles.

10:00-11:00 am	People	10 Commandments of Supervision	Larry Kokkelenberg, Organization Trainers & Consultants	The promotion from worker to supervisor is one of the largest in anyone's career. It means going from pure task focus to a combination of task and relationships. Little, if any, management training is given to an employee prior to their promotion to supervisor. In this program, you will learn 10 things you can do to build your relationship and skills as a supervisor and prepare you for future leadership responsibilities.
11:15-12:15 pm	Plants	Mixture Design Part 2: Maintaining the Balance - Sponsored by Astec Industries, Inc	Shane Buchanan, CRH Americas Materials	Maintaining a balance between performance and economics is critical in today's highly competitive marketplace. Mixture design and production, especially when using new balanced mixture design (BMD) approaches, will place emphasis on the proper understanding of mixture fundamentals and analysis techniques. This session will present fundamental principles that will assist in the design and production of a higher quality, more consistent, and more cost-effective mixture. Discussion items will include volumetric property fundamentals, materials (binder, aggregate, and recycle) characterization and consistency, stockpile moisture considerations, and mixture performance testing and analysis.
11:15-12:15 pm	Pavement Preservation	Safely Operating and Maintaining Asphalt Distributors for Peak Performance	Brian Horner, E. D. Etnyre & Co.	A distributor is used to spray apply asphalt products for a variety of applications. Although the fundamentals of distributor applications are fairly simple, problems with spray applications occur regularly. This session is focused on identifying best practices for safety, operations, and maintenance of asphalt distributors. Included in the discussion will be temperature control of the asphalt product in the tank, proper cleaning of the tank between different products, maintenance and use of the spray bar and nozzles, and calibration of the distributor application.
11:15-12:15 pm	Paving	Succeeding Under the FAA P-401 Specification	Tim Murphy, Murphy Pavement Technology, Inc. Adam Hand, University of Nevada Reno	More than any other pavement property, the traveling public wants a smooth surface on which to drive. The importance cannot be understated: longer-lasting roads, improved fuel economy, driver comfort and, ultimately, financial incentives for the contractor. This session will focus on using IRI data to help the contractor do a better job of paving.
11:15-12:15 pm	Paving	Laydown Best Practices - Sponsored by Wirtgen America Inc	Scott Hall, CW Mathews	The purpose of the paver is to place a uniform, smooth mix at the correct grade. In order to accomplish this feat, it is crucial to understand best practices on paver operations. This session will provide attendees with those tools.
11:15-12:15 pm	People	Top Ten Reasons Why Small Businesses Fail - Sponsored by Volvo Construction Equipment	Larry Kokkelenberg, Organization Trainers & Consultants	This program is for the small contractor (100 employees or less). In this session, the Top 10 reasons why small businesses fail and what can be done to avoid those failures are addressed. According to the U.S. Small Business Administration, over 50% of small businesses fail in the first year and 95% fail within the first five years. According to Forbes, less than one-third of family businesses survive the transition from first- to second-generation ownership. Another 50% don't survive the transition from second- to third generation. Come learn what causes small businesses to fail and evaluate your company against these issues.
12:45-1:45 pm	Plants	Practical Guidelines for Using Recycling Agents - Sponsored by Gencor Industries Inc	Adam Hand, University of Nevada Reno	Recently, there has been a significant increase in available recycling agents to assist with more cost-effective use of reclaimed asphalt pavement (RAP) and recycled asphalt shingles (RAS). There has also been research on how to effectively use recycling agents to improve performance or increase the amount of these recycled materials while producing asphalt mixtures that will provide the performance required by agencies and private owners. The balanced mix design method (BMD) is an excellent tool that many agencies are rapidly evaluating or implementing to optimize recycling agent selection and use. As with any mix design method or material change, it is important to consider what impacts the changes could have on asphalt mix designers, asphalt producers, and contractor operations.
12:45-1:45 pm	Paving	Best Practices for Construction of Longitudinal Joints - Sponsored by Wirtgen America Inc	Wayne Jones, Asphalt Institute	Longitudinal joints are an inherent weak spot in an asphalt pavement. Where two passes of the paver intersect creates an area of lower density due to paving operations. The life of the pavement can be significantly compromised if the joint is not constructed properly. This session offers state-of-the-practice recommendations on how to construct high-quality longitudinal joints in a cost-effective manner.

12:45-1:45 pm	Environment, Health, Safety & Sustainability	EPDs – Everything You Wanted to Know about Environmental Product Declarations But Were Afraid to Ask	Joseph Shacat, National Asphalt Pavement Association	What's an EPD? What do I do when my customer asks for one? How do I develop an EPD, and how much will it cost? What do all the numbers and tables in an EPD actually mean? Can I use EPDs to benchmark and compare how changes to asphalt plant operations and mix designs affect environmental impacts over time? Why should I publish the EPDs that I've developed, and how do I publish them? These questions and more will be answered in this informative, interactive session. Learn how changes such as burner fuel type, energy efficiency upgrades, aggregate moisture management, use of RAP, and more can affect EPD results. We'll analyze real-world scenarios based on audience feedback during a live demonstration of NAPA's new EPD Analyzer tool.
12:45-1:45 pm	Pavement Preservation	Full-Depth Reclamation and Hot In-Place Recycling Best Practices - Sponsored by Wirtgen America Inc	Dan Schellhammer, PE, Midstates Reclamation Todd Gonser, Cutler Repaving, Inc.	Without a solid foundation, it is impossible to place a pavement that will perform adequately. This session will provide the attendee with a thorough understanding of the FDR and HIR techniques necessary to quickly and economically reclaim a distressed pavement. This session will cover the basics of construction techniques, additive selection, costs and will provide case studies of FDR and HIR applications.
12:45-1:45 pm	People	Culture is King	Brian Hess, The Pavement Group	Learn how creating a unbreakable culture in today's rapidly changing employee environment will create massive success in every aspect of your business. This session will answer questions such as What is culture and how do we create it? and What challenges in your business will a strong culture solve? A strong culture leads to a community of support within your company, which is built by focusing on creating a team.
2:00-3:00 pm	Plants	Key Metrics for Monitoring Performance at Asphalt Plants - Sponsored by Gencor Industries Inc	Ron Sines, CRH Americas Materials	Asphalt plants are complex mechanical systems. In order to get optimum performance from a plant, it is imperative that key performance metrics are properly monitored. This session will provide key performance metrics to ensure top plant performance.
2:00-3:00 pm	Paving	Paving Smoother — Using IRI to Evaluate Paving Operations	Duaine Covert, RoadTrac	More than any other pavement property, the traveling public wants a smooth surface on which to drive. The importance cannot be understated: longer-lasting roads, improved fuel economy, driver comfort and, ultimately, financial incentives for the contractor. This session will focus on using IRI data to help the contractor do a better job of paving.
2:00-3:00 pm	Pavement Preservation	Cold In-Place and Cold Central Plant Best Practices - Sponsored by Wirtgen America Inc	Megan Yount, Heritage Research Group Zach Robinson, Heritage Research Group	Cold in-place recycling (CIR) and cold central plant recycling (CCPR) are cost-effective in-place pavement recycling techniques that improve serviceability for roads and streets. This session will cover the basics of project selection, construction techniques, additive selection, and cost and will provide case studies of CIR and CCPR applications.
2:00-3:00 pm	People	Messaging Matters - Sponsored by Caterpillar Inc	Richard Willis, National Asphalt Pavement Association Ester C. Magorka, MBA, National Asphalt Pavement Association	Beginning in 2019, under the leadership of then Chairman John Harper, NAPA unveiled a new strategic focus — Workforce Development. A new committee and three task groups were established to develop long-term solutions to one of the industry's most-critical challenges. Underpinning this effort the Committee undertook research into what motivates students, parents, educators, future workers, and current industry workers. This session will give participants the results of the industry-focused market research and provide attendees with insights into industry recommendations to recruit new workers.
2:00-3:00 pm	Environment, Health, Safety & Sustainability	Developing a Sustainability Program That Works for Your Company - Sponsored by Volvo Construction Equipment	Adam Hand, University of Nevada Reno Raven Adams, JD, Granite Construction	The asphalt industry has been a leader in sustainable practices, including the use of recycled materials, adoption of warm mix asphalt technologies, and development of innovative materials such as porous pavements for stormwater management. Some companies have leveraged these advancements to develop robust sustainability programs providing positive financial returns and reduced environmental impacts. But with some corporate sustainability reports over 100 pages in length, the task of putting together a program can seem daunting, especially for smaller companies that may only have a few asphalt plants. Learn how to develop a sustainability program that's right sized for your company along with lessons learned from others in the industry.

(Scroll for Day 3 Schedule)



People, Plants & Paving Digital Conference

THURSDAY, MARCH 11 – AGENDA

Time - Central	Track	Session Title	Speakers	Session Description
10:00-11:00 am	Paving	Part 1: Best Practices for Residential and Commercial Paving	Brian Hall, LeeBoy	Commercial pavers must employ good paving practices but use them more rigorously as they face the challenge of sculpting pavement to meet — in some cases — extreme geometric and grade constraints. Because commercial paving can be so challenging, having a good understanding of the principles of quality construction and utilizing best practices are necessary to performing an award-winning job. This session will help you help your customer be successful with asphalt paving projects.
10:00-11:00 am	Pavement Preservation	Where In-Place Recycling Fits into Pavement Maintenance	Stephen Cross, Asphalt Recycling and Reclaiming Association	The in-place recycling techniques of hot in-place recycling, cold recycling (cold in-place and cold central plant) and full-depth reclamation are maintenance/rehabilitation techniques that provide cost effective solutions when applied to the right pavement at the right time. This session will provide an overview of recycling techniques and the types of pavement problems in-place recycling can address, as well as discuss technical resources available for successful implementation, focusing on the new www.roadresource.org website.
10:00-11:00 am	Plants	Process RAP to Optimize Utilization - Sponsored by CWMF Corporation	Debbie Schwerman, Wisconsin Asphalt Pavement Association	Any recycled product is worth what it replaces. To fully realize the value of recycled asphalt pavement (RAP), you must process it to achieve consistency and quality. This presentation will review some of the key considerations and potential issues when processing both asphalt slabs and millings. Also covered will be optimal stockpiling of RAP material to help attendees learn how to optimize processes for capacity and quality of the material.
10:00-11:00 am	Paving	Part 1: Asphalt Materials, Machinery, and Methods; from Design to Production and through to Construction	Tim Murphy, Murphy Pavement Technology, Inc.	Our goal as an industry is to build the best asphalt possible in order to maintain and grow the asphalt market. Making and keeping your clients happy requires quality material use, quick and convenient installation, and long-term life of the finished product. In these sessions, we'll explore how specifications are requirements to guide your firm to being good however, it's your knowledge of materials, machinery, and methods that will make your firm great. Being great will allow you and your company to maximize profits and be included on everyone's short list of 'must hire asphalt contractor' in your area of influence however, it requires that you design, manufacture, and install asphalt above specification minimums. Anyone can meet the minimum, only great asphalt companies CRUSH IT! Working together we will review the importance of why minimum requirements exist however, we'll explore materials used from asphalt cement to aggregates and onto recycled materials that are most valuable to our industry. I'll provide tips on how to develop a mix design that will pass acceptance test strips and maximize your pay 100% of the time. Understanding quality materials will lead to our discussion on quality control, plant operations, and scheduling and completing asphalt installation efficaciously.
10:00-11:00 am	Environment, Health, Safety & Sustainability	ENERGY STAR – Energy Management for Asphalt Plants	Melissa Hulting, US EPA Eugene Weldon, Eurovia USA	NAPA recently announced a partnership with ENERGY STAR's Industrial Sectors program to help asphalt plants manage and improve their energy performance. This session will explore the various activities and programs available under the ENERGY STAR umbrella, including Energy Treasure Hunts, the asphalt industry peer exchange network, the plant-level Challenge for Industry, and corporate-level Industrial Partnerships. An overview of the new Energy Guide for Asphalt Plants will highlight best

				practices for energy management. Case studies of energy efficiency upgrades at asphalt plants will also be presented.
11:15-12:15 pm	Plants	Paving with Plastic: State of the Knowledge - Sponsored by CWMF Corporation	Richard Willis, National Asphalt Pavement Association Dr. Fan Yin, National Center for Asphalt Technology	Since China and other countries stopped importing waste plastics from other countries in 2018, finding a successful way to recycle or reuse plastic has become a national concern. Many have suggested using processed plastic waste in asphalt mixtures as either a polymer substitute, aggregate enhancement, or, in some cases, a binder replacement. NAPA, the Asphalt Institute, and National Center for Asphalt Technology have partnered together to understand what the science currently says and understand if plastic can be recycled responsibly into asphalt mixtures. This webinar will present the finding of this collaborative effort.
11:15-12:15 pm	Paving	Understanding and Troubleshooting IRI	Brett Stanton, Asphalt Pavement Association of Michigan Nicholas Schaefer, Surface Systems and Instruments, Inc.	Achieving smooth pavements has become a key issue for all highway contractors. Advancements in technology and collection devices continue to occur as do specification revisions to encourage smoother pavements. This session will focus on understanding the smoothness testing equipment and troubleshooting data analysis that will help a contractor be successful.
11:15-12:15 pm	Pavement Preservation	Recycled Tire Rubber Modifiers: High Performing Uses and Why They Work	Marc Bertsch, American Pavement Systems, Inc.	Recycled Tire Rubber (RTR) derived from scrap tires has long been used to modify asphalt. The many benefits are well documented including greater resistance to reflective cracking, superior ageing properties, and the ability to use the binders in a host of unique applications. This session explains the basics of how this material is produced at the plant or mobile sites and its use in hot-mix applications. With a long history of success and proven performance several examples will be highlighted. The second part of the presentation will show practical uses in spray applications where the binders have proven to be cost effective.
11:15-12:15 pm	Paving	Compaction 101: Doing the Right Things, the Right Way - Sponsored by Volvo Construction Equipment	Tim Kowalski, Wirtgen America Inc.	Roller compaction is the last opportunity during the paving process to produce a long-lasting and high-quality pavement. This session will cover the compaction basics that will help prepare attendees for challenges faced during construction operations. The common objectives include uniform target density and a pavement surface smoothness that earns rideability awards and bonuses. Using compaction best practices will consistently produce highest quality pavements with lowest production cost.
11:15-12:15 pm	People	Approaching The Leadership Decade	Buddy Hobart, Solutions 21	Your organization's success—whether during a storm or in its aftermath—relies on elite leadership at every level. As Millennials and Gen Z enter and rise in the workforce, they bring modern expectations and ideas on how businesses survive and thrive in the 21st century. Based on nearly three decades of leadership research and practice, The Leadership Decade details how to prepare your company for prosperity through intensive investment in your employees' abilities as supervisors, managers, and leaders. To ensure organizational longevity before, during, and after a crisis, multi-level leadership should be part of your company's DNA. In this session, Buddy Hobart will outline the risks of sticking with outdated tools and provides a step-by-step guide to creating the cross-generational leadership talent pipeline required for mid-market firms to compete and win.
12:45-1:45 pm	Paving	Understanding Density and Rolling Patterns - Sponsored by Volvo Construction Equipment	Todd Mansell, Caterpillar Paving	Meeting and exceeding density specifications is critical to a long-lasting pavement and to getting paid, however, managing the rolling and compaction operation continues to be the most misunderstood aspect of the paving operation. Contractors often chase density without understanding why density is not being consistently achieved. It doesn't have to work this way.
12:45-1:45 pm	Plants	Troubleshooting Plant Operations — Part 1: Gradation (including Baghouse Fines) - Sponsored by CWMF Corporation	TJ Young, Technical Training and Advisory Services Company	Even in the best of companies, plant operations sometimes have difficulties. This is the first of three sessions on troubleshooting plant operations. This first session deals with troubleshooting gradation and baghouse fines issues. This session will focus exclusively on drum mix plants.
12:45-1:45 pm	Pavement Preservation	Everything You Need to Know about Chip Seals and Fog Seals	Brian Horner, E. D. Etnyre & Co.	Chip seals and fog seals are important pavement preservation tools that are available to the industry. This session will provide a broad understanding of all the issues involved in production and placement of chip seals and the proper application of fog seals. Aggregates, binder products, and

				construction practices for the chip seal application are critical to achieving high performance chip seal systems. The second topic of the session will present proper materials selection and application of fog seals.
12:45-1:45 pm	Paving	Best Practices for Application of Tack Coats	James Musselman, National Center for Asphalt Technology	The proper application of tack coat is an integral part of good pavement performance. A wide variety of tack coats are available to the asphalt industry. This session will provide information regarding material characteristics, construction practices, and their effect on the asphalt pavement performance.
12:45-1:45 pm	People	Ask The Contractors – Panel Discussion with Instagram’s Most Popular Paving Minds	Kevin Gray, ADC Paving Bill Stanley Jr., American Pavement Specialists Keith Callaway Jr.	They share the ins and outs of their businesses every week on Instagram, now get to know them in a more intimate setting. The group will answer your most pressing questions on taking your marketing to the next level, developing a strong corporate culture, their 2021 outlook for the paving industry and more. Join us to talk shop and learn from industry thought leaders.
2:00-3:00 pm	Paving	Practices for Paving Roundabouts - Sponsored by Caterpillar Inc	Todd Mansell, Caterpillar Paving	Roundabouts have become much more common across North America in recent years. Considerations in terms of planning, layout, traffic control, paver setup and compaction are generally different when compared to paving a straight road. This session will cover some successful practices for paving and compacting roundabouts.
2:00-3:00 pm	Plants	Troubleshooting Plant Operations — Part 2: Asphalt Content	TJ Young, Technical Training and Advisory Services Company	Even in the best of companies, plant operations sometimes have difficulties. This is the second of three sessions on troubleshooting plant operations. This second session deals with troubleshooting the asphalt binder component of the mixture. The session will focus exclusively on drum mix plants.
2:00-3:00 pm	Paving	Using Thinlay Asphalt Pavements - Sponsored by Wirtgen America Inc	Bill Schmitz, Gernatt Asphalt Products Bruce Barkevich, NY Construction Materials Association	Pavement owners want to have alternatives to major rehabilitation in their pavement management toolbox. The use of Thinlay thin-asphalt overlays designed for pavement preservation has proven to help extend the life of pavement structures that are still in serviceable condition. Thinlays can be placed at 5/8 inch thickness and have a small nominal maximum aggregate size. This session will provide attendees with the background of Thinlay applications, materials required, and operational changes necessary as well as identifying limitations for Thinlay applications.
2:00-3:00 pm	Pavement Preservation	Choosing the Right Pavement Preservation Treatment	Jim Moulthrop, Foundation for Pavement Preservation David Peshkin, Applied Pavement Technology, Inc.	It is critically important that pavement owners and contractors know when to apply timely pavement preservation techniques and which treatment is the right one for current and future needs. This is particularly important given the variety of tools available for today’s asphalt contractors to address pavement needs. This session provides a bird’s eye view of the information needed by both owners and contractors to make effective timing and treatment decisions for multiple treatment types. Other sessions will provide details on each of the preservation treatments.
2:00-3:00 pm	Environment, Health, Safety & Sustainability	Getting the Green Into Your Paving Job – Sustainable Construction Practices for Asphalt Pavements - Sponsored by Volvo Construction Equipment	Adam Hand, University of Nevada Reno Steve Muench, University of Washington	Sustainability for asphalt pavements is a lot more than just use of RAP and Warm Mix. Paving operations can have a big impact on pavement quality and durability, thereby improving the sustainability of pavements. This session will include an overview of the recently published Sustainable Highway Construction Guidebook (NCHRP Report 916) and Practical Guide to Asphalt Pavement Sustainability (SIP 100). Pavement specific practices will be highlighted, such as the importance of density, longitudinal joints, and tack coat application. Attendees will also learn how to develop a Sustainability Management Plan for highway construction projects.

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