

CALIFORNIA ASPHALT INSIDER

The latest news and views from the California Asphalt Pavement Association
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IN THIS ISSUE

[Toni Carroll of Graniterock named to CalAPA Executive Committee](#)

[Asphalt: The cure for 'Road Age'](#)

[NAPA 'Back to Basics' webinar on Aug. 23 to focus on Quality Assurance; free to CalAPA members, agency personnel](#)

[COMMENTARY: Fixing a problem, and then 'unfixing' it](#)

[Tech Term of the Week: Polishing](#)

[Pavement Pointer of the Week: Compaction](#)

[Quote of the Week: Alice Walker](#)

CALENDAR

(Always on-line [HERE](#))

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REGISTRATION OPEN!
Annual CalAPA Golf Tournament
Thursday, Sept. 20, 2018
8 a.m. to 2 p.m. (new earlier start time!)
Pacific Palms Resort, City of Industry
Details [HERE](#).

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SAVE THE DATES!

Greetings!

This weekly bulletin contains the latest news and information of interest to the asphalt pavement industry in California. Please feel free to distribute this newsletter to others who may be interested in asphalt pavements.

→ Toni Carroll of Graniterock named to CalAPA Executive Committee

The Board of Directors for the California Asphalt Pavement Association, at its July 20 meeting in Irwindale, voted unanimously to install Toni Carroll with Graniterock as a member of the association's Executive Committee.

Carroll, the first woman ever to hold the position in the 60-year history of the association, is also co-chair of the CalAPA Technical Advisory Committee, which helps formulate policy and guide technical educational initiatives for the association.

Carroll is a familiar name in the asphalt pavement industry in California. She previously worked for CalAPA member companies Vulcan Materials and Syar Industries before being named to her current position as Director of Quality for Watsonville-based Graniterock. She has been a member of the CalAPA Board of Directors since 2017.

Carroll first gained notoriety as a technical subject-matter expert by authoring a popular blog, "Quality in California," and later taught a highly-rated class for CalAPA on the Hamburg Wheel Track test. She has also presented at CalAPA asphalt pavement

conferences, and served as one of two industry leaders named to a statewide Caltrans-industry technical committee tasked with recommending improvements to Caltrans specifications, construction standards and test methods. She will be featured in special "women leaders in the asphalt industry" panel discussion at the CalAPA Fall Asphalt Pavement Conference Oct. 24-25 in Sacramento.

The nine-member CalAPA Executive Committee, which includes the association's officers, provides leadership, helps develop agendas for the quarterly meetings of the association's Board of Directors, and facilitates other long-term strategic planning and association governance.



Toni Carroll speaking at a 2015 CalAPA conference in Ontario.

Fall Asphalt Pavement Conference, Oct. 24-25
Doubletree Hotel, 2001 Point West Way, Sacramento.
For sponsorship and exhibitor opportunities, contact Sophie You at (916) 791-5044.

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CHOOSE ASPHALT

Asphalt is used on about 93 percent of paved roads in California and across the U.S. Why? Because it's smooth, quiet, safe, durable and 100 percent recyclable. Visit the [Asphalt Pavement Alliance website](#) learn more about why asphalt is the right choice now more than ever.



GET TECHNICAL

Are you an engineer, designer or technical professional who makes decisions on pavement type selection? The DriveAsphalt website has technical reports and other resources may be just what you're looking for. Click [HERE](#) for more information.



Toni Carroll, left, emphasizes a point during a meeting of the leadership of the Caltrans-industry Rock Products Committee, which earlier this year was renamed the Pavement & Materials Partnering Committee.

→ Asphalt: The cure for 'Road Age'

California voters in November will be asked to weigh in on investing in the repair and maintenance of state and local roads and other transportation infrastructure. Prop. 6 would roll back a 12-cent-per-gallon gas tax and other fees devoted to this purpose. Transportation advocates and planners say thousands of badly needed repair projects are at risk unless Prop. 6 is defeated.

The campaign recalls a video produced by the asphalt industry about the importance of prudent investments to maintain pavements, and how cost-effective and beneficial those repairs are. Riffing off the familiar "road rage" term, the 90-second video titled "Road Age" is as timely today as it was when it first appeared in 2014. You can view it [HERE](#).



To learn more about SB1, the legislation passed last year to address California's crumbling transportation infrastructure, click [HERE](#). To learn about what is at risk if Prop. 6 passes, click [HERE](#).

→ NAPA 'Back to Basics' webinar on Aug. 23 to focus on Quality Assurance; free to CalAPA members, agency personnel

The National Asphalt Pavement Association (NAPA), a CalAPA partner, is offering a series of educational webinars dubbed "Back to Basics." The webinars are free to NAPA and CalAPA members and agency personnel.

The next webinar will focus on Quality Assurance of asphalt mixes and will be held on Wednesday, Aug. 23 from 11 a.m. to 12:30 p.m. PDT. Although the webinars are free, advanced registration is required and must be completed on-line. Click [HERE](#) to learn more and to sign up. NAPA also offers three options for completion certificates for those who participate in the webinars.

The presenters for the Quality Assurance webinar are Jim Musselman, Oldcastle Materials Inc.; Dr. Adam Hand, University of

CalAPA

California Asphalt Pavement Association (CalAPA)

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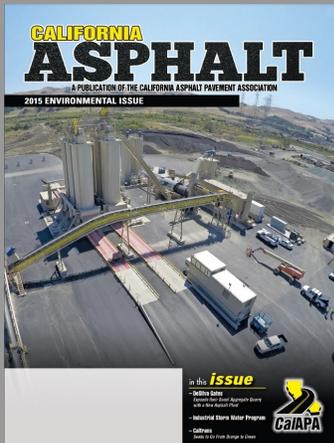
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BACK ISSUES

Did you miss an issue of the *California Asphalt Insider*? No problem! Past editions of the newsletter are available at the CalAPA newsletter [archive page](#).

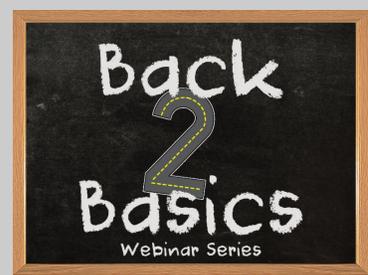
MAGAZINE



CalAPA produces a highly regarded magazine, *California Asphalt*, and an annual membership directory. To view current and past issues of the magazine, click [HERE](#). For advertising sales information, click [HERE](#) or call Kerry Hoover with Construction Marketing Services at (909) 772-3121.

Nevada at Reno; and Dr. John D'Angelo, D'Angelo Consulting LLC.

Working to ensure a quality product is less expensive than being ordered to remove and replace a faulty pavement. Quality Assurance is critical to ensuring mixture quality and, ultimately, contractor pay. The webinar outlines the basic components required for developing and maintaining a solid Quality Assurance program, as well as discusses common mistakes that can influence QA results.



Future "Back to Basics" webinars will cover tack coats, pavement design, forensics, maintenance & rehabilitation and funding. For more information, contact NAPA at (888) 468-6499.



Dr. Adam Hand with the University of Nevada, Reno, will be one of the presenters on Quality Assurance during an upcoming NAPA "Back to Basics" webinar. Hand is a familiar subject-matter expert nationally and in California, having presented a numerous CalAPA conferences.

→ COMMENTARY: Fixing a problem, and then 'unfixing' it

Editor's Note: CalAPA's Director of Technical Services, Brandon Milar, wrote the following commentary that appeared in the Feb. 6, 2017 issue of "Asphalt Insider." Since it generated many favorable comments, and still has relevance today, we are reprinting it in its entirety.

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Over the holiday break, the CalAPA staff embarked on an ambitious task which involved the consolidation of association files, the rearranging of the office, and the updating of the furniture. This effort resulted in an improved office flow and work-space, the inclusion of a meeting space, and the discovery of historical association documents. We'll take time in this space to share a piece of our history that may be instructive today.

In a box at our storage unit, I found copies of the "Asphalt Bulletin."

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The Caltrans-industry Joint Training & Certification Program (JTCP) for materials technicians is holding classes in Northern and Southern California. Click [HERE](#) to visit our JTCP resource page to learn more.

DESIGN!

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To visit the PAVEExpress website, click [HERE](#). To view the companion website, PaveInstruct, click [HERE](#).

LEARN!

We can bring CalAPA's popular training classes to your facility at a date and time convenient to you! Click [HERE](#) to view our "hosted" training class flier, or contact CalAPA at (916) 791-5044 for details. This service is available to public agencies and CalAPA members only.

This was a monthly publication of our asphalt association providing the industry with current news and activities affecting the asphalt industry in California. I pulled an issue from Jan. 3, 2003, 14 years ago. It was fascinating to once again read about the issues facing the asphalt industry. Yes, I wrote this newsletter and it was also distributed to stakeholders by snail mail, unlike today's weekly that arrives by email every Monday morning. So what were the main topics? Not enough Federal and State money for roadway construction and maintenance, development of new emission limits for diesel vehicles and asphalt fume exposure limits, Moisture Sensitivity, QC/QA, Smoothness, and Mix Stability.

As we review this list, we realize that we are addressing all of these things today! However, there is one item that baffles this pavement engineer: Moisture Sensitivity. Moisture in asphalt pavements causing pavement failures is not new. This was identified way back when in the work by legendary Caltrans materials engineer Francis Hveem and other pavement experts. Caltrans and industry spent the 1990s and 2000s trying to figure out a way to address this concern.



Brandon Milar, P.E.

In February of 2003, Caltrans hosted a workshop on Moisture Sensitivity that included presentations and discussions among an international group of pavement materials experts. The recommendations of this group were used by Caltrans and industry to develop a protocol to test materials and determine a treatment method for asphalt mixes. After many years of meetings, round-robins, expert testimony, research, and data analysis, we completed this task! Yes, that is right! WE did it! Caltrans and industry partnered together and completed a major task! A testing protocol was identified that included both AASHTO T 283 and AASHTO T 324. Also various treatment alternatives were identified and allowed with conditions based on aggregate properties (i.e. clay fines). While this was incorporated in projects in the late 2000s, it was codified in the 2010 and 2015 Caltrans Standard Specifications. Since the incorporation in the Standards, we no longer discuss this issue in our various technical meetings.

Before we get too excited about this achievement, however, there is a hitch. Various Caltrans districts are not following this technically based protocol. They continue to require specific treatment methods, mostly Lime Slurry Marination. Why are engineers in parts of this State disregarding the painstaking technical work of Caltrans and industry, the recommendations of experts from across the country, and the data from established testing protocol?

It is imperative that we work together to improve the effectiveness and efficiency of our pavements. It is also imperative that we work together to ensure a consistent application / implementation of the products from our efforts. Hopefully, Caltrans and industry can work with these districts to implement the moisture sensitivity protocols and allow the technical merits of the mixes determine appropriate treatments.

It's hard enough to thoroughly study a problem, and then to put in place a plan to fix it. It's a shame to then ignore all the work and "unfix" the problem. We can do better.

 **Tech Term of the Week**



Each week we highlight a word, acronym or other reference commonly used in the asphalt pavement industry in California.

POLISHING: Wearing away of the surface binder, causing exposure of the coarse aggregate particles. A polished pavement surface is smooth and has reduced skid-resistance.

→ Paving Pointer of the Week

Each week we highlight a key point or best practice of interest to asphalt paving crews, inspectors and others working in the field. We welcome suggestions. More tips can be found in our Asphalt Parking Lot Construction Checklist [HERE](#).

COMPACTION: Check pavement temperature before compaction begins. Don't rely solely on an infrared temperature gauge. Have a probe thermometer on hand to check the internal temperature of the mat. The ability to achieve proper compaction requires a mat temperature of 175 degrees or greater. Do not let roller operators park equipment on the fresh mat while compaction is ongoing.

→ Quote of the Week

"The most common way people give up their power is by thinking they don't have any."

Alice Walker

We hope you enjoy CalAPA's *Asphalt Insider*. We are committed to providing you with the most up-to-date information on technical issues, regulation, news, analysis, events and trends in California that may impact the asphalt pavement industry. Click [HERE](#) to contact us with any comments or suggestions.

Sincerely,

Russell W. Snyder, CAE
Executive Director
California Asphalt Pavement Association (CalAPA)

The *California Asphalt Insider* is an official publication of the California Asphalt Pavement Association. For more information or to inquire about membership, call (916) 791-5044, or click [HERE](#) to send us an e-mail.

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