

CALIFORNIA ASPHALT INSIDER

The latest news and views from the California Asphalt Pavement Association
Oct. 17, 2016



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IN THIS ISSUE

[UCPRC issues reports on long-life asphalt projects in Northern California](#)

[Program set for the Fall Asphalt Pavement Conference & Equipment Expo Oct. 26-27 in Sacramento](#)

[Promoting asphalt at the massive Greenbuild conference in Los Angeles](#)

[Job opportunity: Asphalt Tech Specialist](#)

[Tech Term of the Week: Thin-lift overlay](#)

[Quote of the Week: Albert Einstein](#)

CALENDAR

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

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REGISTER NOW!

Fall Asphalt Pavement Conference & Equipment Expo Oct. 26 & 27, Doubletree Hotel, 2001 Point West Way, Sacramento.

Click [HERE](#) for details. Contact Sophie You of CalAPA at (916) 791-5044 for sponsorship and exhibitor opportunities.

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.

→ UCPRC issues reports on long-life asphalt projects in Northern California

The University of California Pavement Research Center has issued two reports chronicling the design and construction of innovative long-life asphalt pavement projects in Northern California. One of the projects, on Interstate 5 in Red Bluff in the North State, garnered an "Excellence in Transportation Facilities" award last year by Caltrans. The pavements are designed to last 40 or more years with minimal maintenance.

To download the report titled "Development of Hot Mix Asphalt Pavement Performance Properties for Long-life Pavement Design: Caltrans District 2, Interstate 5, Red Bluff, California" click [HERE](#).

TECH REPORT

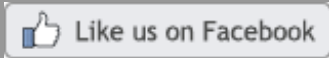
A second report, titled "Development of Hot Mix Asphalt Pavement Performance Properties for Long-life Pavement Designs: Caltrans District 2, Interstate 5, Weed, California" may be downloaded [HERE](#).

Both reports were authored by James Signore, Bor-Wen Tsai and Carl L. Monismith and chronicle how the projects were selected, designed, tested and constructed. As with the previous long-life asphalt pavement projects on the 710 Freeway in Los Angeles, the reports recommend ongoing evaluation post-construction to monitor the performance of the pavement strategy.

The Red Bluff project has emerged as the most prominent of three projects after it was recognized last year in the "Transportation Innovations" category of the Caltrans awards. The \$31 million, 14.5-mile project in Red Bluff was a collaboration of Caltrans, industry and the University of California Pavement Research Center. The goal of the project was to design and construct a durable pavement on the major truck route that will last 40 years or more with minimal maintenance. The project also used a higher percentage of Reclaimed Asphalt Pavement (RAP) than was the standard for Caltrans at the time.

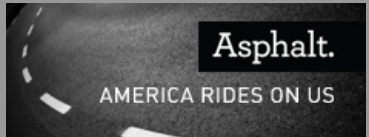
According to Caltrans, a life-cycle cost analysis completed during the North Red Bluff project shows a savings of \$5 million to \$10 million over the service life of the project versus conventional pavement rehabilitation. Road user costs, such as traffic delays

SOCIALIZE



CHOOSE ASPHALT

Asphalt is used on about 94 percent of paved roads in America. 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.



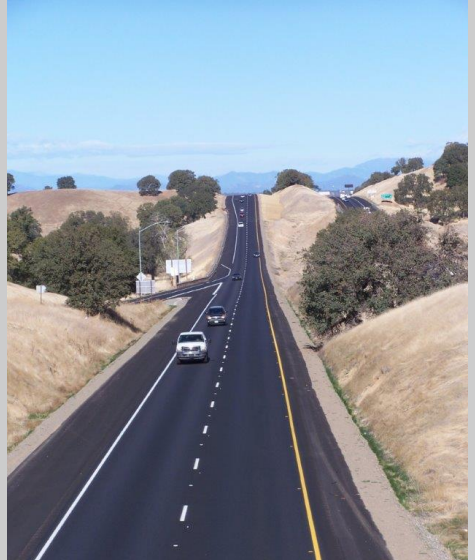
GET TECHNICAL

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.



from maintenance and construction activities, could add up to another \$1 million.

The Red Bluff long-life project in District 2 is one of seven Caltrans has completed so far on routes that must stand up to some of the most punishing truck traffic in the state, including another project on I-5 near the North State community of Weed, on Interstate 80 west of Sacramento in the community of Dixon and four projects on the 710 Freeway in Los Angeles County leading out of the Los Angeles-Long Beach port complex.



See you in 40 years: The long-life (perpetual) asphalt pavement project on Interstate 5 in the North State.

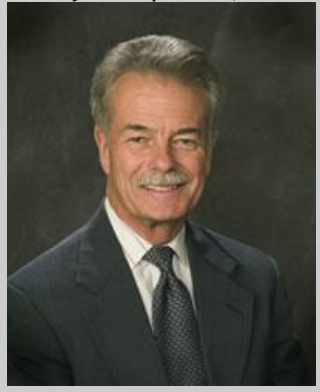
The department's Long-life Asphalt Pavement efforts also earned it a special "Pavement Pioneer" award presented to Caltrans in 2014 by the National Asphalt Pavement Association.

A short video that describes the long-life asphalt strategy, also known as "perpetual pavement," is [HERE](#). An info-graphic, in PDF format, can be downloaded [HERE](#).

→ Procrastinator alert: Seats going fast for Fall Asphalt Pavement Conference & Equipment Expo Oct. 26-27 in Sacramento

Don't miss out! Seats are going fast for the Fall Asphalt Pavement Conference & Equipment Expo, which will take place Oct. 26 & 27 in Sacramento. Click [HERE](#) for details and to sign up.

Caltrans Chief Engineer Karla Sutliff will be the keynote speaker, discussing Caltrans sustainability and innovation initiatives. Will Kempton, executive director of Transportation California, an advocacy group, will also be speaking about the outlook for a comprehensive state transportation funding plan. A detailed agenda can be viewed [HERE](#).



Will Kempton

The program also features technical presentations on a number of topics, including the use of reclaimed asphalt in pavement mixes, pavement smoothness standards and technology, achieving optimum compaction in the field and effective partnering techniques.

The event will feature a gala reception on the evening of Day 1, and a popular exhibitor area and equipment displays. As always, exhibit space goes fast and is on a first-come, first-served basis. Contact Sophie You of CalAPA at (916) 791-5044 for details. Click [HERE](#) for additional information for exhibitors and sponsors.

CalAPA

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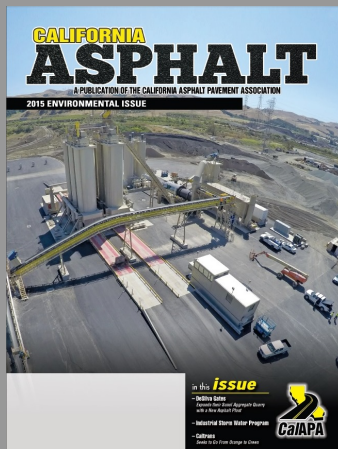
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BACK ISSUES

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.

STAY INFORMED



Pascal Mascarenhas with Vulcan Materials poses a question at a previous CalAPA conference.

→ Promoting asphalt at the massive Greenbuild conference in Los Angeles

The CalAPA-supported Asphalt Alliance was on hand last week to staff a booth at the massive Greenbuild trade show in Los Angeles, spreading the word about the various "green" credentials of asphalt pavements to an estimated 15,000 attendees.

"Greenbuild is the largest sustainability focused trade show. Being a part of this show is important to make the message clear that asphalt offers many sustainable attributes," Amy Miller, P.E., national director of the Asphalt Pavement Alliance, told *Asphalt Insider*. "Even at this show, we were questioned about some untrue claims against our product. The audience was varied and ranged from private industry designers to federal agencies."

With so much focus today on the drought and water quality in California, porous asphalt pavements were also a hot topic of discussion.

"The attraction of the booth was the porous asphalt display," Miller said. "People continue to be intrigued with the concept of permeable pavements. This brought them to our new banner that displayed the latest sustainability infographic. Many were interested in reading the various statistics and numbers that endorse just how sustainable asphalt really is."



Also helping out to staff the booth were Bob Humer, senior regional engineer for the Asphalt Institute, and Jonathan Layne, business development manager with CalAPA member Sully-Miller / Blue Diamond Materials.

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"Many questions were asked about the benefits of porous asphalt and asphalt in general, including how the design of porous asphalt differs compared to roadway design, the speed of construction using porous asphalt compared to other methods like porous pavers, the diversion of recycled tires from landfills to utilization in ARHM, and the recyclability of asphalt," Layne said. "With greater storm water pollution regulations coming into play throughout the state, porous asphalt gives all asphalt manufacturers and paving companies another sustainable tool-in-the-toolbox for their customers -- both private and public."

To view a report on how porous asphalt pavements and other strategies can help support cleaner water in communities, click [HERE](#).

→ Job opportunity: Asphalt Tech Specialist

CalAPA member Vulcan Materials is advertising for an Asphalt Tech Specialist at its Irwindale location. Click [HERE](#) for details and to apply on-line. Reference position No. 16000T1.

The position is responsible for providing QC field support and guidance to sales, operations and other company personnel, and interacts with contractors and communicates back to the plant and lab support team. The Tech Specialist will also provide recommendations to address quality concerns, and issue quality reports and serves as an overall technical resource.



For more information on the opening, contact Stephanie Lorino at (818) 553-8837.

→ Tech Term of the Week

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

THIN OVERLAY: A single lift HMA overlay with a thickness of 38 mm (1.5 in) or less. Also known as "thin-lift" or "thin-lift overlay." A national marketing campaign to promote the concept as a pavement preservation technique refers to the strategy as "ThinLay."

→ Quote of the Week

"We cannot solve our problems with the same thinking we used when we created them."

Albert Einstein

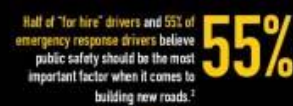
We hope you enjoy CalAPA's *Asphalt Insider*. We are committed to providing you with the most up-to-date information on technical issues, regulation, news and events in California that may impact the asphalt pavement industry. Click [HERE](#) to contact us with any comments or suggestions.

WHEN IT COMES TO A SAFE RIDE
**DRIVABILITY
MATTERS**

ASPHALT DELIVERS DRIVABILITY



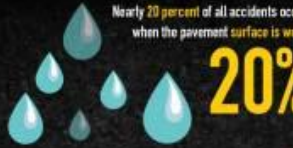
What's drivability? It's what makes a road the one you want to take. When you're out driving, **SAFETY** is your top priority. It should be the top priority in road construction, too. Compared to other pavement types, asphalt is smoother, skid-resistant, and provides better visibility of roadway markings. That makes asphalt roads safe, especially in rain and poor weather. Asphalt is also quick and easy to maintain, keeping roads in the safe conditions drivers need without causing traffic delays. That matters.



Asphalt increases the visibility of pavement markings, making it easier for drivers to see at night and during rainy weather.³



Well-maintained roads are safer roads, with a reduced rate of crash severity.⁴ Asphalt pavement is quick and easy to maintain and repair with minimal disruption for drivers.



Open-Graded Asphalt Friction Courses (OGFC) increase roadway safety by reducing hydroplaning, pavement glare, and splash and spray from the wet pavement, which also leads to an increase in driver confidence.⁶

**REDUCES
HYDROPLANING**



APA
DriveAsphalt.org

1. National Highway Traffic Safety Administration, "Fatalities and Economic Costs of Motor Vehicle Crashes in the United States, 2010-2014," 2015. 2. National Highway Traffic Safety Administration, "Fatalities and Economic Costs of Motor Vehicle Crashes in the United States, 2010-2014," 2015. 3. National Highway Traffic Safety Administration, "Fatalities and Economic Costs of Motor Vehicle Crashes in the United States, 2010-2014," 2015. 4. National Highway Traffic Safety Administration, "Fatalities and Economic Costs of Motor Vehicle Crashes in the United States, 2010-2014," 2015. 5. National Highway Traffic Safety Administration, "Fatalities and Economic Costs of Motor Vehicle Crashes in the United States, 2010-2014," 2015. 6. National Highway Traffic Safety Administration, "Fatalities and Economic Costs of Motor Vehicle Crashes in the United States, 2010-2014," 2015. 7. National Highway Traffic Safety Administration, "Fatalities and Economic Costs of Motor Vehicle Crashes in the United States, 2010-2014," 2015.

Click [HERE](#) to view a "Drivability Matters" infographic

Sincerely,

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

