

November 22, 2017



# Paver Express

A bi-weekly news and information resource from the Interlocking Concrete Pavement Institute

[Home](#) | [Paving Systems](#) | [Project Profiles](#) | [Resource Library](#) | [Education & Certification](#) | [Events](#) | [Newsroom](#) | [Subscribe](#) | [Archive](#) | [Advertise](#)

[Search Past Issues](#)

[View Web Version](#)

[Advertise](#)



## INTRODUCING SERVOPAC® PREMIER

- Table/impact vibration with servo driven independent amplitude & frequency control
- USA manufactured, engineered & supported
- Mold & height changes in 15 minutes or less
- Designed with Producer input
- Produces product 25–500 mm (1–20") high

**BESSER**  
Trusted Since 1904  
989.354.4111  
[www.besser.com](http://www.besser.com)

## ICPI NEWS

# ICPI Releases Fifth Edition Manual on Permeable Interlocking Concrete Pavement



ICPI



ICPI has released this updated, comprehensive guide to design, construction and maintenance of permeable interlocking concrete pavement (PICP). Authored by ICPI's Technical Director David R. Smith, the 138-page book emerged from an initial tome published by ICPI in 2000 and subsequently improved over 17 years from PICP research and experience. With over 100 color figures and tables, the manual is for civil engineers, landscape architects, urban planners, contractors, stormwater and transportation agencies.

ICPI offers the book in print only for \$52.25 plus shipping and handling. ICPI members and design professionals can purchase the book for \$26 plus shipping and handling. Click [here](#) to order or for more information on the publication.





## Early Bird Renewal Pricing for Certified Concrete Paver Installers Ends November 30

ICPI

For Certified Installers whose certifications expire on Dec. 31, the early bird deadline that gives you a \$25 discount on renewing is almost here! If you are not sure when your certification expires, visit the [Verify a Certified Installer search](#) on the ICPI website or check your Certified Concrete Paver Installer certificate and ID for your expiration date. Please make sure to send your completed renewal payment form and Continuing Education tracking form in by November 30 to qualify. For any questions, please call ICPI at 703-657-6900.



Any renewals sent in after Dec. 31 will incur a late fee of \$25 aside from the regular renewal fee. Send in your renewals soon!

## Winter is Coming — ICPI Releases New Blog Post on Effects of Deicing Materials on Interlocking Concrete Pavers



ICPI

ICPI recently released a new blog post, "The Effects of Deicing Chemicals on Interlocking Concrete Pavers," by Technical Director David R. Smith. The article provides guidelines for the use of deicing chemicals on concrete pavers to prevent or reduce ice buildup, and outlines factors that contribute to a low risk of damage from deicing materials.

Click [here](#) to read the blog post.

### PRODUCT SHOWCASE



### Columbia, we know paver molds.

We make molds for any machine and proudly manufacture our equipment in the U.S. We are a leading supplier of big board molds to the paver industry.

Specialized surface textures, custom engineering and extensive R&D, all while setting the standard for delivery times worldwide.

[Visit us online to learn more.](#)

## Congressman David Price Impressed by Demonstration of Permeable Pavement



ICPI



Over 60 ICPI members along with local design professionals and government officials gathered on Monday, Nov.

20 to demonstrate the benefits of Permeable Interlocking Concrete Pavement systems. The demonstration was led by Fred Adams, Fred Adams Paving and Dr. Bill Hunt, Bio and Ag Engineering, North Carolina State University at The Greens at Centennial Campus at N.C. State University. The Greens used the Permeable Interlocking Concrete Pavement System to increase their LEED building rating. Congressman Price is a member of the House Appropriations Committee and the Ranking Member of the Transportation, Housing and Urban Development Appropriations Committee. Thanks goes out to Oldcastle Architectural and the Pavestone Company for their support of the event.

## Sponsorship Opportunities Now Available for the ICPI Annual Meeting in Indianapolis



ICPI



Sponsorship opportunities for the upcoming 2018 ICPI Annual Meeting in Indianapolis have been finalized and are open to reserve. As a sponsor of the Annual Meeting, you will have the opportunity to position your company as a leader and supporter of the industry, and have your company's name and logo stand out to be viewed by all attendees throughout the event. Be sure to check out the great new opportunities being offered to our member companies, from the Media Wall to the escalator branding — the opportunities for exposure are endless!

The ICPI Annual Meeting will be held in conjunction with the ICON-EXPO and NCMA Annual Convention, which offers visibility to a wider audience. ICPI offers a variety of sponsorships opportunities, with all different levels of commitment. To see which opportunity best fits your company's marketing needs, please [click here](#) to view the sponsorship form. All sponsorship commitments are due no later than Monday, Jan. 8 to be included in all event marketing and promotional materials.

Don't forget that the Annual Meeting registration is now open! Be sure to register early so you can reserve your hotel room at the Westin Indianapolis. To register for the meeting, [click here](#).

### PRODUCT SHOWCASE



#### **Let's build business**

Let Belgard be your on-the-job and in-the-field support team with our:

- Unmatched customer service
- Quality products delivered to the right place at the right time
- Innovative tools and resources to grow your business
- 3D design services – free to authorized contractors **Read more**



#### **Reach Your Prospects Every Week**

Thousands of industry professionals subscribe to association news briefs, which allows your company to push messaging directly to their inboxes and take advantage of the association's brand affinity.

Connect with Highly Defined Buyers and Maximize Your Brand Exposure

## ICPI to Host Members Only Webinar — Build Raised Patios that Last with Proper Construction Techniques



ICPI

Tim Huinker will present the webinar, Build Raised Patios that Last with Proper Construction Techniques, at 1 p.m. EST on Tuesday, Dec. 5. The webinar is for ICPI members only and the registration fee is \$35. Continuing Education Hours are available for participants upon completion of an online quiz.

To register for the webinar, click [here](#).

## 2018 Northeast Hardscape Expo Endorsed by ICPI



ICPI



The Northeast Hardscape Expo is back for its second year at the Rhode Island Convention Center. The event was a tremendous success in the early part of 2017 and is poised for expansion in 2018. The Expo is the Northeast's only trade show and educational forum that is specifically designed for hardscape professionals. Thanks to suggestions submitted by many exhibitors and attendees, the Expo has established March 14-15, 2018 as the perfect time to hold the event.

Many other improvements to the Expo include a 50% increase to the trade show floor, enlarged seminar spaces, additional live demonstrations and more. The Regional Hardscape Installer Championship will be returning to the show floor, and it is bigger than ever. The anticipated number of qualified installer teams is 16. Visit the Northeast Hardscape Expo website and make sure to enter your team for the competition as soon as possible. The 2018 Northeast Hardscape Awards of Excellence is also returning to the Expo, showcasing some of the best designs and project installations the area has to offer. Start your season right, put the knowledge and experience of the Northeast Hardscape Expo in your toolbox for 2018!

For more information on the Northeast Hardscape Expo and to see the many ways in which you can be a part of the event, visit [www.nehexpo.com](http://www.nehexpo.com).

## ICPI Recognized as Contributor to the California Stormwater Quality Association (CASQA) Removing Barriers to Low Impact Development



ICPI

Click [here](#) to read the one-page news release from CASQA who received a \$1 million grant to provide technical assistance to California municipalities to remove LID barriers.

As part of the grant, and in an effort to remove barriers to use permeable pavement, ICPI contributed an update to permeable pavement design guidelines.

These are available on the CASQA website. Click [here](#) to read the ICPI report.

## Did You Know? ICPI Member Contractors Can Earn Free Continuing Education Hours



ICPI



Short on ICPI Continuing Education hours? Check out the [Webinars and On-Demand Learning](#) page on ICPI's website for information on how to earn CE hours. ICPI member contractors can earn free Continuing Education hours by registering for webinars that are free to ICPI members.



## MEMBER NEWS

### Besser's 2018 Blockmakers Workshop Schedule Announced



Besser

"The need for hands-on training for members of our industry is critical. We're pleased that registration for the 2018 Blockmakers Workshops is now open. Students are sure to benefit from attendance — the course content is constantly updated to keep them fresh and relevant, and networking with other producers is always helpful," proudly stated Ron Scherer, Technical Service Representative and Blockmakers Workshop Instructor.

"The beauty of all eight Workshops is that students can apply their new skills upon returning to their plants; the ROI is immediate," commented Duane Rondeau, Director of International Sales and Applications Engineering, who also oversees the Workshops. The 2018 schedule boasts a new three-day class, titled Advanced Servo Vibration (ASV)/Servo Main Drive (SMD). This course is geared to teaching producers all they need to know about operating the system for maximum benefit. Producers operating cam machines with this system, and those who are considering the upgrade, are encouraged to attend.

For a complete schedule of workshops, please click [here](#).

### Feature Your Company in Paver Express



ICPI

As a new feature of Paver Express, ICPI will profile one voting member company per biweekly issue. This complimentary profile will highlight each company's products and services, expert staff and resources for the segmental concrete pavement industry. A company logo will also be displayed next to the article. Paver Express is distributed to 13,000 readers, including all member companies. Companies will be profiled on a rotating basis between producer, associate and voting contractor.

If you are interested in profiling your company for thousands of Paver Express readers, please send an email to [Reba Miller](#), Marketing & Meetings Coordinator.

### ICPI Members: Got News to Share?



ICPI

Add ICPI to your news distribution list and have your news shared in the Paver Express. We encourage news about your company, new products, community service projects or key employees. Send press releases and other new items to [Reba Miller](#), Marketing & Meetings Coordinator. **READ MORE**

## GOVERNMENT/ECONOMIC INDICATORS



## Update on ICPI Government Relations Initiatives

ICPI

**Transportation (THUD) Appropriations, Transportation Authorization outlook:** At this time, the U.S. government is operating on a Continuing Resolution of FY17 appropriations. This language contains the ICPI-sought PICP language that has been discussed often. We expect this legislation to remain in effect into the second week of December of 2017, at which time a new appropriations law needs to take effect in order to fund the federal government. Based upon prior action that occurred in September of 2017, we expect the new law to be enacted in December which will fund the federal government through FY18 to also contain the ICPI-sought language on PICP. We encourage all interested parties to carry forth on plans to make use of that language.

[READ MORE](#)

## Construction Job Opening in September



NAHB



The count of unfilled jobs in the construction sector declined in September. Given the significant need for repair and restoration work in the wake of Hurricanes Harvey and Irma, we can expect increases in the months ahead.

[READ MORE](#)

## Canadian Manufacturing Continued to Show Signs of Progress, Even with a Slight Easing in Growth in October



NAM

The IHS Markit Canada Manufacturing PMI decreased from 55.0 in September to 54.3 in October. One year ago, the figure was 51.1, with the Canadian economy improving significantly since then, buoyed by stabilized energy markets. In October, manufacturers in Canada reported slower — but still modest — expansions in new orders (down from 54.9 to 53.2) and output (down from 54.8 to 54.2); however, exports contracted marginally for the month for the first time in 12 months (down from 51.3 to 49.8). More positively, employment (up from 54.4 to 55.4) and future output (up from 68.1 to 68.2) both accelerated, with the latter at a six-month high. The latest regional data matched the headline numbers, with softer growth reported for Alberta and British Columbia (down from 57.3 to 56.5), Ontario (down from 53.0 to 52.4), Quebec (down from 53.3 to 53.2) and the rest of Canada (down from 53.8 to 53.2).

Real grew 1.1 percent in the second quarter, accelerating from the 0.9 percent gain in the first quarter. That translated into 4.5 percent growth at the annual rate in the second quarter, with consumer spending and exports boosting the Canadian economy. Manufacturing sales rose 1.6 percent in August, bouncing back after declining in both June and July, largely on better motor vehicles and parts, machinery and petroleum and coal products demand. In addition, sales of manufactured goods have risen 4.3 percent year-over-year. In contrast, retail spending declined 0.3 percent in August, but Canadians spent a whopping 6.9 percent more year-over-year in

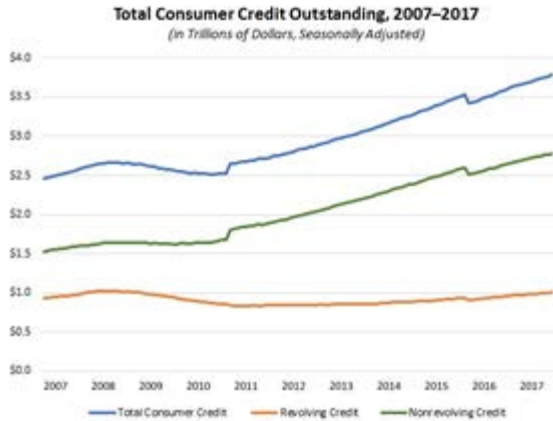
that release. That would indicate better consumer numbers than the headline figure might suggest.

Meanwhile, the unemployment rate ticked up from 6.2 percent in September — its lowest level since October 2008 — to 6.3 percent in October. At the same time, manufacturers added 7,800 workers for the month, with year-over-year growth of 50,600 employees.

## Total Consumer Credit Outstanding, 2007-2017



NAM

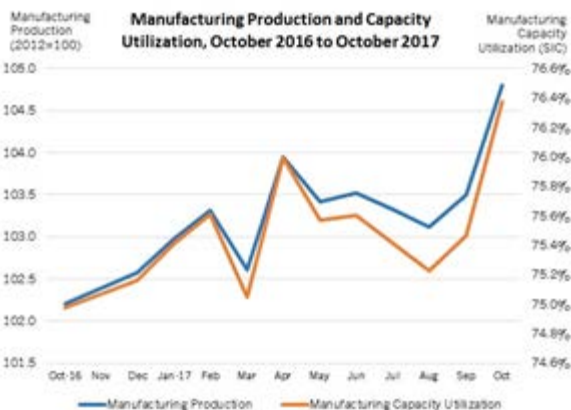


Sandwiched between a few busy weeks for economic data, the handful of reports out last week were consistent with a strengthened outlook, both for consumers and in the labor market. **READ MORE**

## Manufacturing Production and Capacity Utilization, October 2016 to October 2017



NAM



There were several reports out last week highlighting strength in the U.S. economy. Along those lines, manufacturing production expanded robustly in October, up 1.3 percent, its fastest monthly pace of growth since April. In October, durable and nondurable goods production rose by 0.4 percent and 2.3 percent, respectively, with the latter rebounding from significant declines in activity in August and September in the chemicals and petroleum and coal products segments due to Hurricanes Harvey and Irma. As a result, manufacturing production has risen by 2.5 percent over the past 12 months, the best year-over-year rate since August 2014. In a similar manner, manufacturing capacity utilized soared from 75.5 percent in September to 76.4 percent in October, a reading not seen since May 2008. **READ MORE**

**MISSED AN ISSUE OF THE PAVER EXPRESS? VISIT AND SEARCH THE ARCHIVE TODAY.**

## INDUSTRY BUZZ

## Latest Update on the National ASCE Standard for Permeable Interlocking Concrete Pavement at The Buildings Show



ICPI



29 November - 01 December 2017  
29 November - 30 November 2017 (IIDEXCanada)

Metro Toronto Convention Centre

David Hein, P. Eng., will present a seminar, "Latest Update on the National ASCE Standard for Permeable Interlocking Concrete Pavement," on Nov. 29 at the World on Concrete Pavilion at the Metro Toronto Convention Centre.

This presentation reviews technical advances in permeable interlocking concrete pavement (PICP) design being introduced in the newly created ASCE standard. PICPs

include high strength, impermeable concrete units for the surface that meet ASTM or CSA standards. New to the ASCE standard is structural design for supporting traffic through the use of mechanistic-empirical model. David Hein will discuss the dichotomy between not compacting the soil subgrade for infiltration, and compacting for enhanced structural support in saturated conditions. Learn how to understand the key factors to be considered to determine if a permeable pavement can be used on a particular site; to select the appropriate section design to meet both structural and hydraulic design while addressing storm water objectives; and to determine the key maintenance and construction details for a successful project.

**Date/Time:** Nov. 29 from 1 - 2:15 p.m.

**Registration Fees:** Early Bird - \$45 / Regular Price - \$50

**Code:** W152

**Show:** World of Concrete Pavilion

**Location:** South Building

**Credits/Accreditations:** OAA

**Streams:** Legal, Regulatory & Risk Management

Click [here](#) to register for The Buildings Show or for more information.

## Freedonia Group Expects a Demand for Hardscape Products to Increase 5.6 Percent Per Year to \$3.5 Billion in 2021



Markets Insider

Demand for hardscape products in the US is expected to increase 5.6 percent per year to \$3.5 billion in 2021. Despite slow growth in sales of existing homes, an indicator of home remodeling trends including landscaping, sales of hardscape products such as boulders, edging, and pavers will see robust growth through 2021, buoyed by strong growth in new housing construction, which will support new hardscaping installations when homes are first built. Furthermore, the rising popularity of outdoor living spaces such as patios and outdoor kitchens, often constructed using large volumes of hardscaping, will bolster demand. For in-depth analysis of these and other trends, see [Landscaping Products Market in the US, 5th Edition](#), a new study from The Freedonia Group, a Cleveland-based industry research firm. **READ MORE**

## City Touts Parking Lot Project as a Way to Help Ease Flash Flooding



KCRG-TV

Most people don't worry about rainfall running off concrete or asphalt parking lots and into streets and storm sewers. But controlling the amount of storm water runoff has become a much bigger deal for the city of Cedar Rapids in recent years. **READ MORE**





## Green Infrastructure and the Promise of the City's Future

DC NorthStar

According to DC Water's educational material, "Green Infrastructure" describes the management of stormwater using the earth's natural processes. If water can soak into the soil, evaporate into the air, or be used by plants before it can enter the sewer system, that structure can be considered "green." Examples include bioretention (rain gardens), permeable parking lanes and trees. **READ MORE**

## ASLA Business Survey Shows Stable Conditions for Landscape Architecture



### Firms

ASLA

Billable hours hold steady, while inquiries for new work lag slightly; hiring plans fall. Landscape architecture firms experienced stable conditions for the third quarter of 2017, according to the latest American Society of Landscape Architects' Business Quarterly survey. Billable hours held steady, although inquiries for new work dipped slightly. Plans to hire over the next quarter fell. **READ MORE**

## Rain Check Rebate Contractor Training



Prince George's County Department of the Environment and The Low Impact Development Center Inc.

This training is designed to provide landscape professionals with practical hands on information on the seven Rain Check Rebate practices and processes. Special emphasis is placed on rain gardens, pavement removal and permeable pavement.

Click [here](#) to register for the training on Wednesday, Nov. 29 at the Department of the Environment in Largo, Maryland.

## EPA Webinar: National Stormwater Calculator for Managing Runoff Using Green Infrastructure: Addition of a Cost Module and a Mobile Web App



EPA



Register for the Environmental Protection Agency's webinar, National Stormwater Calculator for Managing Runoff Using Green Infrastructure: Addition of a Cost Module and a Mobile Web App that will take place at 3 p.m. EST Wednesday, Jan. 31, 2018.

Click [here](#) to register.

## LASN in Search of Interesting or Significant Hardscape Element to Showcase in Magazine



LASN

The Landscape Architect and Specifier News is in search of great hardscape projects to feature in the upcoming Hardscapes issue of the industry trade magazine for the commercial landscape specifier nationwide.

If you have completed a project featuring significant hardscape elements, please send six images and a paragraph describing the elements by Thursday, Nov. 30 to LASN Editor Steve Kelly at [skelly@landscapeonline.com](mailto:skelly@landscapeonline.com).

## International Low Impact Development Conference: Call for Submissions



ASCE

The International Low Impact Development Conference will take place Aug. 12-15, 2018 in Nashville. The abstract submission deadline is Jan. 16, and conference topics include:

- Innovative LID/GI Research from Engineering, Landscape Architecture, Planning and related fields
- Urban Stream Interactions and considerations when applying LID approaches
- Case studies, perceptions, and innovations from industry
- Social Perspectives for LID – instigating uptake in the community
- International perspectives
- LID maintenance
- Municipal challenges and successes
- Stormwater in Tennessee

For more information on the conference or abstract guidelines, click [here](#).

## ICPI CALENDAR OF EVENTS

Date	Event	Location
Nov. 29-30	Concrete Paver Installer Course — SiteOne Landscape Supply LLC	Richmond, VA
Dec. 4-5	Concrete Paver Installer Course — R.I. Lampus Company	Pittsburgh, PA
Dec. 5-6	Concrete Paver Installer Course — Belgard	Rockland, MA
Dec. 5-6	Concrete Paver Installer Course — Belgard	Montrose, CO
Dec. 5-6	Concrete Paver Installer Course — Pavestone	Henderson, CO
Dec. 6-7	Concrete Paver Installer Course – SiteOne Landscape Supply LLC	Charleston, SC
Dec. 6-7	Advanced Residential Technician Course — R.I. Lampus Company	Pittsburgh, PA
Dec. 11-13	ICPI-NCMA Commercial Sales Course	Chicago, IL
Jan. 8-9	Concrete Paver Installer Course — County Materials Corporation	Wausau, WI
Jan. 10-11	Concrete Paver Installer Course — County Materials Corporation	DePere, WI
Jan. 15-16	Concrete Paver Installer Course — Indiana Green Expo	Indianapolis, IN
Jan. 15-16	Concrete Paver Installer Course — County Materials Corporation	Minneapolis, MN
Jan. 15-16	Concrete Paver Installer Course — County Materials Corporation	Oconomowoc, WI
Jan. 17	PICP Specialist Course — Nicolock	Frederick, MD
Jan. 17	PICP Specialist Course — County Materials Corporation	Minneapolis, MN
Jan. 17-18	Advanced Residential Paver Technician Course — Belgard	Winchester, VA

Jan. 17-18	Concrete Paver Installer Course — CPM Oldcastle	Helena, MT
Jan. 21-22	Concrete Paver Installer Course — Nicolock	Lindenhurst, NY
Jan. 22-23	Concrete Paver Installer Course at 2018 World of Concrete	Las Vegas, NV
Jan. 23-24	Concrete Paver Installer Course at 2018 World of Concrete	Las Vegas, NV
Jan. 24	PICP Specialist Course — Greendell Landscape Solutions	Noblesville, IN
Jan. 24	PICP Specialist Course — County Materials Corporation	Oconomowoc, WI
Jan. 24	PICP Specialist Course — Nicolock	Manassas, VA
Jan. 30-31	Concrete Paver Installer Course — Lowcountry Paver	Hardeeville, SC
Feb. 9-10	2018 ICON EXPO	Indianapolis, IN
Feb. 9-13	2018 ICPI Annual Meeting	Indianapolis, IN
Sept. 10-13	2018 ICPI Summer Meeting	Vancouver, BC
Oct. 16-19	2018 International Conference on Concrete Block Pavement	Seoul, Korea
Oct. 17-19	2018 Hardscape North America Trade Show	Louisville, KY
March 3-6	2019 ICPI Annual Meeting	Charleston, SC

To check out more ICPI Events, click [here](#).

## ICPI WEBINARS

Date	Webinar	Time
Dec. 5	Build Raised Patios that Last with Proper Construction Techniques (Members Only) — Tim Huinker, Anchor Block, an Oldcastle Company	1 p.m. EST
Dec. 14	Workers Compensation — Managed Risk or Unnecessary Profit Leak? (Members Only) — Jack West, Federated Insurance	1 p.m. EST
Dec. 19	Engaging Your Employees for Improved Performance — Randy Anderson, E3 Professional Trainers, LLC	1 p.m. EST
Jan. 11	Designing Rooftop, Pedestal and Deck Overlays Applications with Slabs — David Smith, ICPI Technical Director and Robert Bowers, P. Eng., ICPI Director of Engineering	1 p.m. EST
Jan. 22	Win the Job and Increase Profits: Using ICPI Certification to Differentiate Yourself from the Competition (Members Only) — Carl Peterson, Nicolock	1 p.m. EST
Feb. 6	Effective Use of Geosynthetic Materials in Hardscape Construction for Long-Term Performance — Robert Bowers, P. Eng., ICPI Director of Engineering	1 p.m. EST

Feb. 22	Modern Day Marketing of Contractors: Using Social Media and Tools like Drones, YouTube and Apps — Tom Gardocki, Interstate Landscape Co., Inc.	1 p.m. EST
March 13	How to Present a Lunch and Learn (Members Only) — Mark Dooley, Basalite and Dan Moreland, Anchor, an Oldcastle Company	1 p.m. EST
April 17	7 Key Principles (Everyone Should Know) for Sales Success (Members Only) — Randy Anderson, E3 Professional Trainers	1 p.m. EST
May 8	ICPI Foundation Projects Update (Members Only) — David Smith, ICPI Technical Director and Robert Bowers, P. Eng., ICPI Director of Engineering	1 p.m. EST

To check out more ICPI Webinars, click [here](#).

## TRENDING ARTICLES

Missed last week's issue? See which articles your colleagues read most.

- [Registration for the 2018 ICPI Annual Meeting Is Now Open](#) (ICPI)
- [Sika Mixes It Up with New Product SikaMix AE-6 \(6\)](#) (ICPI)
- [Besser Company Technical Service Team Grows](#) (Besser Company)
- [ASCE Webinar: Lessons Learned from the Design, Construction and Maintenance of Permeable Pavements for Stormwater Management](#) (ASCE)

Don't be left behind. [Click here](#) to see what else you missed.

## ICPI Paver Express

Connect with ICPI



[Recent Issues](#) | [Subscribe](#) | [Unsubscribe](#) | [Advertise](#) | [Web Version](#)

Colby Horton, Vice President of Publishing, 469-420-2601 | [Download media kit](#)

Cait Harrison, Senior Content Editor, 469-420-2657 | [Contribute news](#)

### Interlocking Concrete Pavement Institute

14801 Murdock Street Suite 230 | Chantilly, VA 20151 | 703-657-6900 | [Contact Us](#)

[Learn how](#) to add us to your safe sender list so our emails get to your inbox.

Powered By **MULTIBRIEFS**

7701 Las Colinas Ridge, Ste. 800, Irving, TX 75063