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August 2, 2017



# Paver Express

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

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## ICPI NEWS

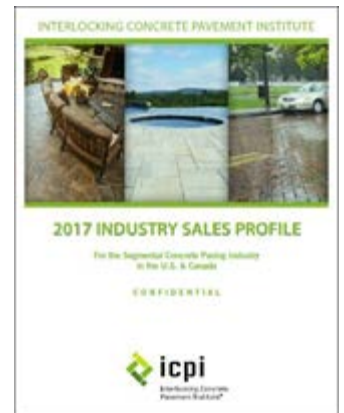
### ICPI Industry Survey Shows 4.3% Increase in Paver Sales in 2016



ICPI

Sales of concrete pavers and slabs increased to a projected 721.4 million square feet in the U.S. and Canada during 2016, according to a new study released by the Interlocking Concrete Pavement Institute (ICPI). This represents a 4.3 percent jump from a projected 689.8 million sf. in 2015.

The 2016 estimated total was the highest sales since 2006 (800 million sf) prior to the recession. The 2016 estimate equates to a per capita use of two square feet in the U.S. and Canada. The 2016 total also was 35.5 percent higher than 2010 when the industry reported the low point for sales at 472 million sf. **READ MORE**



**EVOLUTION**  
Polymeric Sand

Over 15 years ago we started making polymeric sand

### North Bay, Ontario, Mayor Al McDonald to Speak on Downtown Renovation



## with Interlocking Concrete Pavements at ICPI Summer Meeting

ICPI



For the concrete paver industry, 1983 marks one of the first municipal concrete paver street projects in Canada. Over 150,000 sf of paver sidewalks and streets revitalized and transformed this tourist destination in northern Ontario. Now 34 years later, Mayor Al McDonald and the City Councillors decided to refresh and replace the worn pavers with more. Mayor McDonald will be the guest speaker at the ICPI Summer Meeting General Session Luncheon on Thursday, Aug. 24.

As a North Bay resident since 1976, Mayor McDonald will give us a ground-view perspective on the pavers' performance. More importantly, he will tell us about how elected officials arrived at their decision to essentially replicate the 1983 project, especially when asphalt is perceived by some to be the cheaper option. **READ MORE**

## New ICPI Paver Pros Blog Affirms the Role of PICP in Resilient Infrastructures



ICPI



A new Paver Pros Blog post on the ICPI website affirms the use of permeable interlocking concrete pavement in resilient infrastructures and the Southeast Atlanta Green Infrastructure Project, written by ICPI's Technical Director, David Smith. 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.](#)

## ICPI Producer and Dealer Members are Now Organizing Courses in Their Area



ICPI



Do you need more qualified contractors in your area? Sponsor an ICPI Course! Now is the time to schedule a course — dates are being booked right now! Check out the [ICPI Events Calendar](#). To get more information about course sponsorship and the different installer courses, click [here](#). The Sponsor Agreement is available in the right side column.

It is not difficult to set up, as ICPI takes care of registration, online promotion on the website, shipping costs and course materials. The sponsor arranges for the venue, speaker and gets a rebate per registrant. ICPI only needs 45 days of lead time.

## HNA 2017 to Offer All ICPI Contractor Courses — Register Now!



ICPI



Want to get started on certification and designations with the added bonus of attending a hardscape trade show? Sign up now for an ICPI Installer Course on the Hardscape North America (HNA) registration page by choosing the pre-show installer courses when you register [here](#).

For more information about pre-show courses being offered, please check the [HNA website](#).

**SPONSOR SPOTLIGHT**



**Does Your Company Create Outstanding Hardscape Projects? Prove It and Enter the 2017 HNA Awards**



ICPI  
The [HNA Awards](#) recognize outstanding hardscape projects by contractors in residential and commercial applications, including walkways, patios, driveways, plazas, parking lots, roadways and more.

Enter by Monday, Aug. 14 and save \$40 per entry. Entry fees will go up to \$140 for members of ICPI, BIA and NCMA, and increase to \$240 for non-members after Aug. 14.



**ICPI Participates in the 2017 PCA Professor's Workshop**

ICPI





On Friday, July 28, Robert Bowers, ICPI Director of Engineering, presented the ICPI Segmental Paving Civil Engineering Learning Modules to a class of university professors at the Portland Cement Association's annual Professor's Workshop. This year approximately 36 professors attended the week-long workshop with 11 attending the interlocking concrete pavement session. Each professor will be offered the complete set of ICPI Civil Engineering Learning Modules along with the supporting documents. **READ MORE**



## Did You Know? ICPI Offers an E-Tech Subscription Program for Members



ICPI

Your Company Here

Logo Here

Company Description Here

Tech Specs

- Tech Spec 1: Concrete of Choice for Segmental Concrete Pavement
- Tech Spec 2: Concrete of Choice for Interlocking Concrete Pavement
- Tech Spec 3: Edge Restraints for Interlocking Concrete Pavement
- Tech Spec 4: Construction of Interlocking Concrete Pavement for Road and Driveway
- Tech Spec 5: Planning, Design and Joint Detail Specification of Interlocking Concrete Pavement
- Tech Spec 6: Installation of Interlocking Concrete Pavement
- Tech Spec 7: Repair of Utility Cuts Using Interlocking Concrete Pavers
- Tech Spec 8: Color and Joint Finishing
- Tech Spec 9: Guide Specification for the Construction of Interlocking Concrete Pavement
- Tech Spec 10: Application Guide for Interlocking Concrete Pavement
- Tech Spec 11: Mechanical Installation of Interlocking Concrete Pavement
- Tech Spec 12: Stone Setting System for Interlocking Concrete Pavement
- Tech Spec 13: Site and Joint Maintenance of Interlocking Concrete Pavement
- Tech Spec 14: Concrete Joint and Sealant
- Tech Spec 15: A Guide for the Construction of Mechanically Interlocking Interlocking Concrete Pavement
- Tech Spec 16: Selection of Products for Interlocking Concrete Pavement
- Tech Spec 17: Planning, Design and Construction of Interlocking Concrete Pavement
- Tech Spec 18: Design, Construction and Maintenance of Interlocking Concrete Pavement
- Tech Spec 19: Construction of Interlocking Concrete Pavement
- Tech Spec 20: Planning and Construction of Interlocking Concrete Pavement
- Tech Spec 21: Maintenance for Segmental Concrete Pavement
- Tech Spec 22: Maintenance Guide for Permeable Interlocking Concrete Pavement

Members can participate in the E-Tech Subscription Program to provide the most up-to-date versions of ICPI Tech Specs for design professionals and contractors on their company website. The program also directs visitors in search of information on ICPI's website to the subscribing member's personalized and branded webpage, where they can download complimentary copies of Tech Specs with the member's web banner and contact information. Click [here](#) to download the E-Tech Application.

### 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

### MEMBER NEWS

## 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 you to

send 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.

**MISSED AN ISSUE OF THE PAVER EXPRESS? [VISIT AND SEARCH](#) THE ARCHIVE TODAY.**

## GOVERNMENT/ECONOMIC INDICATORS

### ICPI Language Accepted in Appropriations Bill and Next Steps on Tax Reform



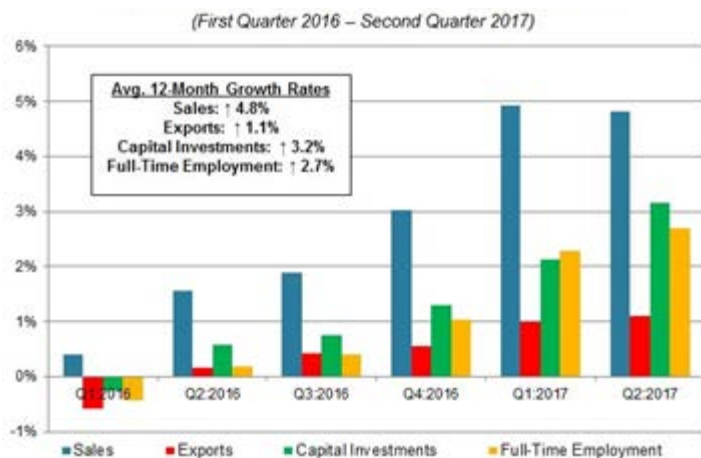
ICPI

Transportation (THUD) Appropriations, Transportation Authorization outlook: At press time, the U.S. House Appropriations Committee has adopted the latest ICPI language proposal for the THUD Appropriations Bill for FY18 that will fund operations for the Federal Highway Administration (FHWA). **READ MORE**

### NAM Manufacturers' Outlook Survey Expected Manufacturing Growth Over Next 12 Months



NAM

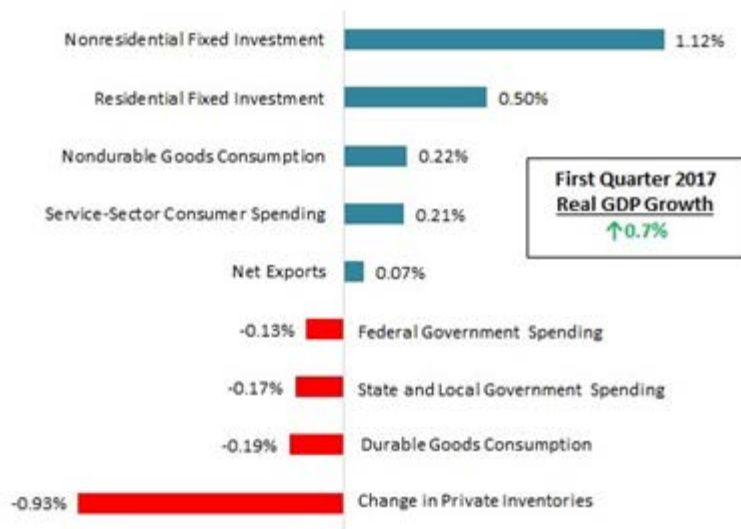


In March, the Manufacturers' Outlook Survey from the NAM rose to an all-time high in the survey's 20-year history, with 93.3 percent of respondents positive about their own company outlook. Three months later, manufacturers remain very upbeat. In the latest report, 89.5 percent were either somewhat or very positive about their own company outlook. This pullback in confidence mirrors easing in other sentiment surveys, even as they continue to present an encouraging assessment of overall conditions. In this case, the percentage of manufacturers, positive in their outlook, has averaged 91.4 percent over the first and second quarters of 2017, the highest consecutive two-quarter average in the survey's history. **READ MORE**

### Contributions to Percentage Change in Second Quarter 2017 Real GDP Growth



NAM



The U.S. economy grew by an annualized 2.6 percent in the second quarter, according to preliminary data, with real GDP up 1.9 percent at the annual rate in the first half of 2017. Looking at the underlying data, consumer and business spending were the bright spots, with net exports also making a positive contribution for the second straight quarter. Personal consumption expenditures rose by 2.8 percent in the second quarter, boosted by increased spending for both durable and nondurable goods products. In addition, nonresidential fixed investment increased by 5.2 percent in the second quarter. Most promisingly, equipment spending soared in the latest data to its fastest pace since the third quarter of 2015, up 8.2 percent, with 4.9 percent growth in structures spending. Nonetheless, other components of gross private domestic investment were weaker than desired, including residential investment and inventories. **READ MORE**

## NAM's Tax & Domestic Economic Policy — Big Six Joint Statement of Tax Reform Abandons the Border Adjustable Tax



The White House

A joint statement on tax reform was issued on July 27, 2017 by the "Big Six": House Speaker Paul Ryan (R-WI), Senate Majority Leader Mitch McConnell (R-KY), Treasury Secretary Steven Mnuchin, National Economic Council Director Gary Cohn, Senate Finance Committee Chairman Orrin Hatch (R-UT) and House Ways and Means Committee Chairman Kevin Brady (R-TX). This group has been meeting for several months to develop a unified path forward to advance tax reform.

The statement emphasizes their commitment to a simpler, fairer and permanent tax system that includes tax relief for American families, lower tax rates for businesses, "unprecedented capital expensing," and international tax rules that "encourage[s] American companies to bring back jobs and profits trapped overseas." Notably, the group has agreed to abandon the border adjustable tax in the House blueprint, noting that "...we are now confident that, without transitioning to a new domestic consumption-based tax system, there is a viable approach for ensuring a level playing field between American and foreign companies and workers, while protecting American jobs and the U.S. tax base." Based on comments from staff, the joint statement clears the way for Congressional tax-writing staff to begin work in September on tax legislation that reflects the goals outlined in the statement.

To read the entire Joint Statement on Tax Reform, please click [here](#).

### INDUSTRY BUZZ

## Specialty Contractor Partnerships' Use of Debt and Capital



NAHB

## Financial Characteristics of Partnerships by Industry

(averages, dollar amounts in thousands)

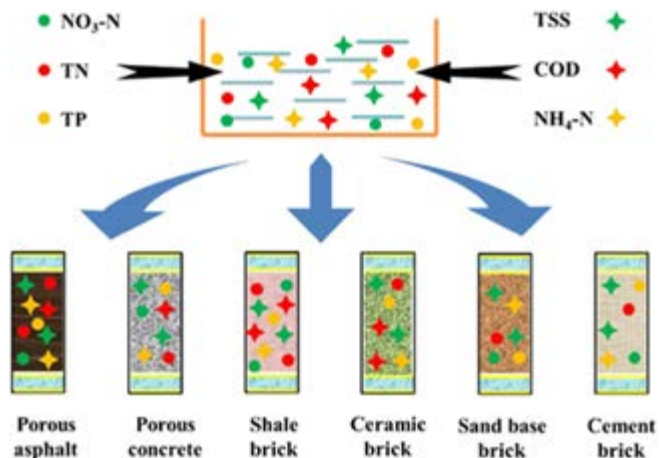
	Specialty Contractors	Construction of Buildings	Mining	Legal Services
Net income	\$69	\$101	\$2,061	\$2,003
Net profit margin	6%	4%	29%	36%
Depreciation deductions	\$12	\$8	\$703	\$46
as a share of net income	18%	8%	34%	2%
Business interest deductions	\$5	\$16	\$228	\$11
as a share of net income	8%	16%	11%	1%

Specialty contractors structured as partnerships generated aggregate net income of \$4.5 billion in 2014, according to the most recent IRS data available. [READ MORE](#)

## The Effect of Different Surface Materials on Runoff Quality in Permeable Pavement Systems



Environmental Science and Pollution Research



To investigate the effect of different permeable pavement surface materials on the removal of pollutants from urban storm-runoff, six commonly surface materials (porous asphalt, porous concrete, cement brick, ceramic brick, sand base brick, and shale brick) were selected in this study and the research was carried out by column experiments. [READ MORE](#)

## Lynchburg, VA Stormwater Credit Program



The City of Lynchburg

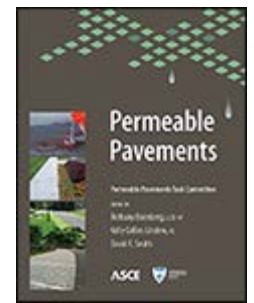
A Credit Program has been created for customers to receive a reduction in their stormwater fee in Lynchburg, Virginia. This credit is available to customers who have implemented Best Management Practices that either reduce the amount of the stormwater runoff from their property or reduce pollutant loadings from the runoff. [READ MORE](#)

## ASCE Publications: Permeable Pavements



Permeable Pavements

*Permeable Pavements* is a comprehensive resource for the proper design, construction, and maintenance of permeable pavement systems that provide a transportation surface and a best management practice for stormwater and urban runoff. A cornerstone for low impact development (LID) and sustainable site design, permeable pavements are considered a green infrastructure practice. They offer many environmental benefits, from reduced stormwater runoff and improved water quality to better site design and enhanced safety of paved surfaces. Commonly used for walkways, driveways, patios and low-volume roadways



as well as recreational areas, parking lots and plazas, permeable pavements are appropriate for many different land uses, particularly in highly urbanized locations. **READ MORE**

## ASCE Publications: Structural Design of Interlocking Concrete Pavement for Municipal Streets and Roadways



Structural Design of Interlocking Concrete Pavement for Municipal Streets and Roadways

*Structural Design of Interlocking Concrete Pavement for Municipal Streets and Roadways*, Standard ASCE/T&DI/ICPI 58-16, establishes guidelines for developing appropriate pavement structures for various traffic and subgrade conditions. Interlocking concrete pavers can provide a durable and effective pavement system, but as with any pavement, proper design, construction and maintenance procedures are required. This standard applies to paved areas subject to applicable permitted axle loads and carrying up to 10 million 80-kN equivalent single-axle loads (ESALs). **READ MORE**



### ICPI CALENDAR OF EVENTS

Date	Event	Location
Aug. 9-10	Concrete Paver Installer Course — Belgard	Alpharetta, GA
Aug. 19	HNA Northwest Regional Installer Championship	Lacey, WA
Aug. 22-25	2017 ICPI Summer Meeting	Toronto, ON
Aug. 25	HNA Central Region Installer Championship	Keller, TX
Aug. 29	HNA Western Region Installer Championship	San Jose, CA
Oct. 17-18	Advanced Residential Paver Technician Course — HNA	Louisville, KY
Oct. 17-18	Concrete Paver Installer Course — HNA	Louisville, KY
Oct. 17-18	Commercial Paver Technician Course — HNA	Louisville, KY
Oct. 18	PICP Specialist Course — HNA	Louisville, KY
Oct. 18-20	2017 Hardscape North America Trade Show	Louisville, KY
Oct. 25-26	Concrete Paver Installer Course — ICPI Northern California Chapter	Sacramento, CA
Jan. 23-24	Concrete Paver Installer Course at 2018 World of Concrete	Las Vegas, NV
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

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

## TRENDING ARTICLES

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

- [Slag Aggregate and Permeable Pavement Cleaning Slated for Innovative Technologies Forum at Summer Meeting](#) (ICPI)
- [New ICPI Paver Pros Blog Addresses Need for Knowledgeable and Skilled Concrete Paver Installers](#) (ICPI)
- [Concord, NH Main Street Project Wins 2017 APWA Project of the Year](#) (City of Concord, New Hampshire via LinkedIn)
- [New ICPI Paver Pros Blog Addresses Need for Knowledgeable and Skilled Concrete Paver Installers \(6\)](#) ( )

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