

PCAV  
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# HardFacts

## Newsletter - Fall 2021

### PCAV President's Message



**Edward C. Page, P.E.**  
**Concrete Pipe &  
Precast,  
PCAV President**

Leading the PCAV during a worldwide pandemic brings about extra responsibilities as we have had to weigh decisions that could impact our association or the health and well-being of our members. It was a responsibility the Executive Committee and PCAV Board took very seriously. Analysis of the most current data allowed us to make confident decisions as to when we would begin holding in-person meetings again. The PCAV is also lucky enough to have trusted members who committed to safely attending gatherings with their fellow members.

In 2022, the PCAV will celebrate our 30th anniversary as an association. The longevity of our organization speaks volumes about the commitment of our members to our mission: **"Dedicated to the Growth of the Precast Concrete Industry"**. Turning 30 is worthy of a celebration, and celebrate we shall! In May we will gather as an association for our Annual Meeting in Richmond, Virginia. We will toast our achievement during an elegant evening

reception with friends both old and new. Details will be forthcoming in the near future.

As we look forward to a happy and healthy 2022, PCAV members should be proud of the resiliency and resolve everyone showed over the past nearly two years. We adapted to change and leveraged new ideas to create positive outcomes. I look forward to celebrating the PCAV in 2022.

Blessings,  
Ed Page

### Executive Director's Report

As 2021 comes to a close, I feel a sense of optimism as we approach 2022. The second half of this year felt like a turning point not only for the PCAV, but also for Virginia.

In August, Governor Northam Proclaimed August 15th to August 21st "Virginia's Precast Concrete and Concrete Pipe Week". The industry celebrated the resiliency of precast products and concrete pipe.

In September, the PCAV fully returned to in-person events that included our industry partners.

In October, a brand new series of webinars from the PCAV, ACPA and CAPCA launched. The timely theme was Transportation Resiliency and Asset Management.

Virginia held elections in November for Governor, Lieutenant Governor, Attorney General, and all 100 seats in the House of Delegates. The Virginia GOP swept the elections by winning all three statewide races and flipped the House of Delegates for 45-R, 55-D to 52-R, 48-D. The Senate remains 21-D, 19-R as they have elections every 4 years. November 2023 will be their next election. The election outcome was favorable for several reasons impacting the PCAV.

♦ Glenn Youngkin ran on keeping Virginia a Right to Work state while Terry McAuliffe stated multiple times if a repeal of Right to Work landed on his desk, he would sign it. The unions had deeply invested in McAuliffe's campaign and he was put in an untenable position. His caveat each time he said he'd sign it was "but it will never land on my desk", suggesting there

***"Dedicated to the Growth of the Precast Concrete Industry"***



**Vanessa Patterson**  
**Executive Director,  
PCAV**

## Executive Director's Report - Con't.

was not an appetite to pass a repeal. However a repeal had already passed the House once with the Senate stopping it. Behind the scenes, McAuliffe was counting on the Senate bailing him out and not letting it get to his desk. That was a risk I did not want to have to face. We barely stopped a repeal in 2020 with the same Senate. Right to Work protects workers from being forced to unionize.

- ◆ The number of bills bad for the business climate in the state should be greatly reduced, if not eliminated. Even if they originate and pass out of the Senate, it is unlikely they'd survive in the House.
- ◆ There will be less burdensome regulations for business. I'm hopeful the Permanent Standard for COVID-19 from the Safety and Health Codes Board/DOLI will be repealed and businesses will be able to employ common sense measures to keep their employees and customers safe. It is unlikely we will see another attempt at a Heat Illness Standard and even if we did, it would likely not pass the administrative review process by the new Attorney General and Governor.
- ◆ Transportation Infrastructure will remain a major priority within Virginia and the precast industry will remain at the ready to "harden" the state's assets protecting property and the people of the Commonwealth.
- ◆ I look forward to an in-person General Assembly. The virtual nature in the winter of 2021 severely disadvantaged those in opposition to a piece of legislation. Speakers were limited and at times the committee chair would allow multiple in favor of a bill speak but only 1-2 in opposition have the floor.

Every year as I sit and reflect on what we accomplished, I come to the same conclusion. I feel very fortunate to work with and for all our PCAV member companies. I also want to express my deep appreciation for how PCAV members have pulled together this year to work toward achieving a common goal. Together, with one strong voice, we can continue to promote and grow the precast concrete industry.

I wish the very best for you, your families and your employees this holiday season.

I know better, brighter days are ahead in 2022!

*Vanessa*

Vanessa L Patterson  
Executive Director



### The PCAV's 2022 Calendar of Events

**January 25, 2022** - PCAV/VDOT Joint Meeting - Tuckahoe Woman's Club

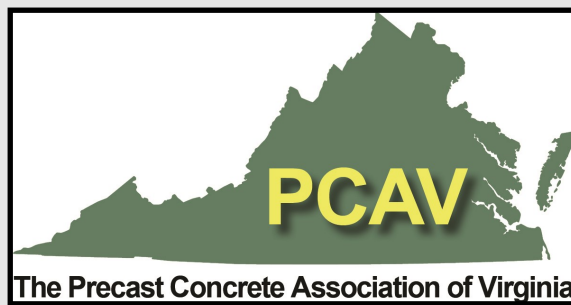
**January 26, 2022** - PCAV Legislator's Day - Truist Building/Pocahontas Building

**March 17-18, 2022** - Virginia Concrete Conference - Richmond Westin

**May 2-3, 2022** - PCAV Annual Meeting & 30th Anniversary Celebration

**September 20, 2022** - PCAV/VDOT Joint Meeting - Richmond, Virginia

**September 21, 2022** - PCAV Training Day - Richmond, Virginia



## Virginia's Concrete Pipe and Precast Week

For the past seven years, Virginia's governors have proclaimed the third week of August Virginia's Precast Concrete and Concrete Pipe Week, highlighting the benefits of concrete pipe and precast products to the Commonwealth and its citizens. Our producer members open their plants to legislators, industry partners, and local government for tours and the promotion of the industry's products.

### 2021 Proclamation - Virginia Concrete Pipe and Precast Week

**WHEREAS**, Virginia's Concrete Pipe and Precast producers, and their industry partners, are essential to Virginia's economy, providing critical building components used in construction and maintenance of infrastructure, transportation corridors, evacuation routes, flood-prone areas, water supply, water treatment systems, solid waste systems, and other structures and facilities essential to serve the citizens of the Commonwealth; and

**WHEREAS**, reinforced concrete pipe and precast products provide solutions needed for resilient infrastructure, and are of vital importance to sustainable communities and to the health, safety and well-being of the people of Virginia; and

**WHEREAS**, such reinforced concrete pipe and precast products and services could not be provided without the dedicated efforts of concrete pipe and precast industry manufacturers and engineers who design, manufacture, distribute, educate and supply their products to the Virginians who build, design and perform maintenance in the Commonwealth; and,

**WHEREAS**, it is in the public interest for the citizens and civic leaders in Virginia to gain knowledge of and maintain a progressive interest and understand the importance of the reinforced concrete pipe and precast industry in their respective communities, and

**WHEREAS**, 2021 marks the 29<sup>th</sup> year of the Precast Concrete Association of Virginia, and the 7<sup>th</sup> year of Virginia's Precast Concrete and Concrete Pipe Week promoting awareness of the infrastructure benefits of reinforced concrete pipe and precast concrete products in the Commonwealth, be it now,

**RESOLVED**, I, Ralph Northam, Governor of Virginia do hereby designate August 15-21 as Precast Concrete and Concrete Pipe Week in the Commonwealth of Virginia, and I call this observance to the attention of our citizens.



*"Dedicated to the Growth of the Precast Concrete Industry"*

## WELCOME NEW 2021 PCAV MEMBERS!



### ASSOCIATE MEMBER

Point of Contact: Mike Reed  
 Email Address: mreed@besser.com  
 Phone Number: 989.590.2383  
 Website:



### ASSOCIATE MEMBER

Point of Contact:  
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 Website: www.blackthorn-inc.com



**LET'S GET TO WORK.®**



### ASSOCIATE MEMBER

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### ASSOCIATE MEMBER

Point of Contact: Nick Sokoll  
 Email Address: nsokoll@taylorbigred.com  
 Phone Number: 804.298.6041  
 Website: www.ttgcompanies.com



## Fall PCAV/VDOT Joint Meeting—September 21, 2021

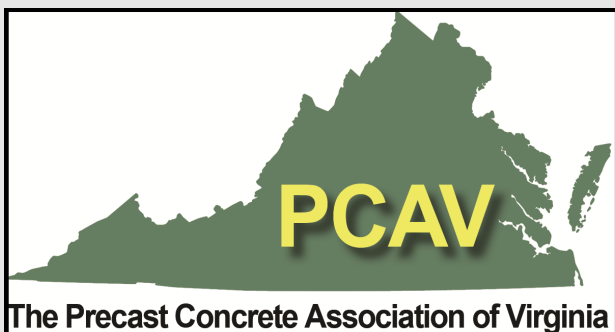
It was with much anticipation PCAV members and their VDOT partners gathered together again first our first in-person meeting since January of 2019. While we had held several virtual Joint Meetings and a few smaller task group meetings via Zoom, being in-person again was a great feeling.

PCAV committees met for the hour leading up to our VDOT guests arrival. The technical, education, and marketing committee chairs led the association through their agendas. Once VDOT joined, an hour was spent discussing topics of mutual interest. Upon adjournment, an hour was spent networking and enjoying refreshments before the PCAV Board held its final meeting of 2021.

The PCAV looks forward to our next PCAV/VDOT Joint Meeting on January 25th, 2022.



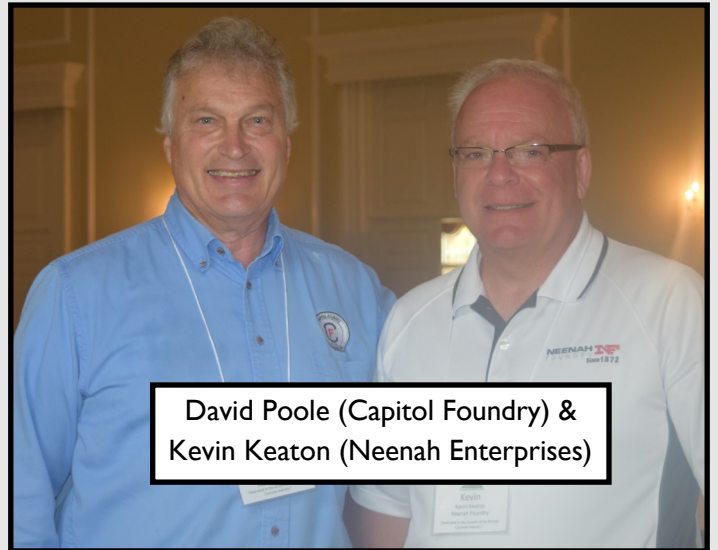
Matthew Smith (Smith-Midland), Mimi Coles (Permatile), Hank Gottschalk (CP&P)



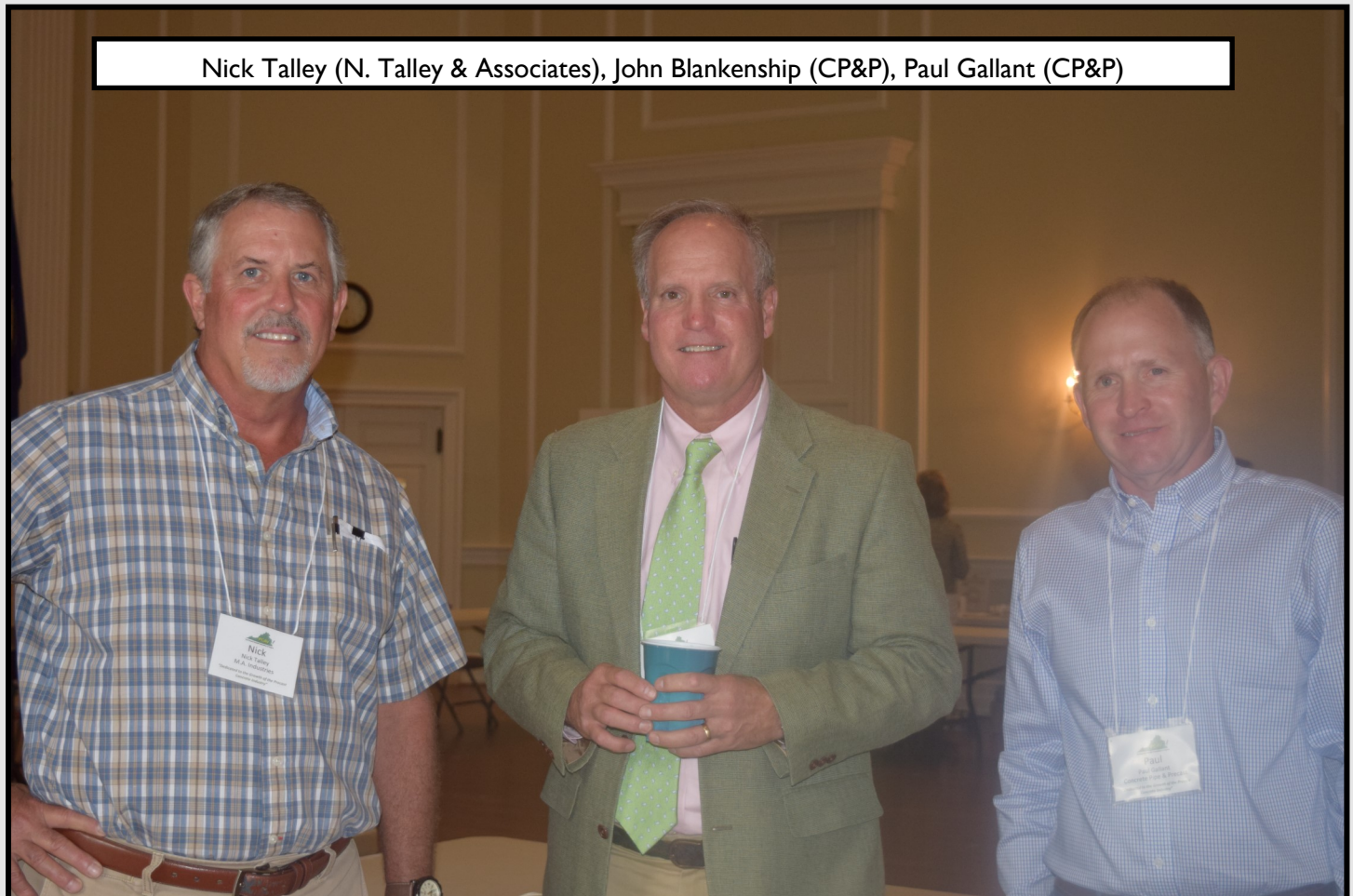
## Concrete Pipe and Precast Week Program



Jason Swoap & Paul Gallant of CP&P



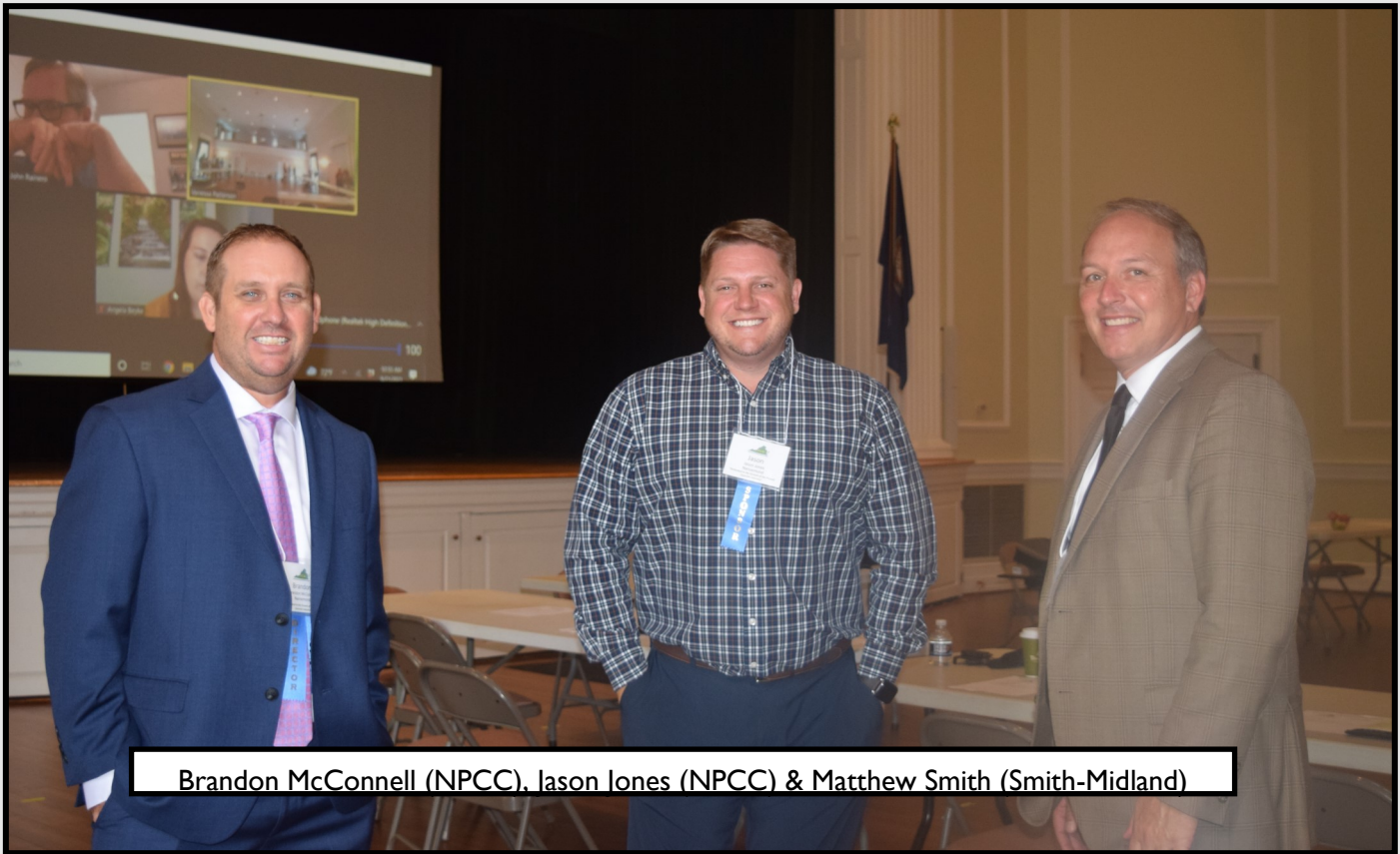
David Poole (Capitol Foundry) &  
Kevin Keaton (Neenah Enterprises)



Nick Talley (N. Talley & Associates), John Blankenship (CP&P), Paul Gallant (CP&P)



## Fall PCAV/VDOT Joint Meeting—September 21,



Brandon McConnell (NPCC), Jason Jones (NPCC) & Matthew Smith (Smith-Midland)



John Zeets, Laura Hisey, Eric Holman of VDOT, Central Office Materials



## Fall PCAV/VDOT Joint Meeting—September 21, 2021

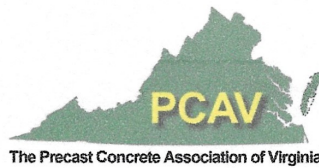


Meeting attendees intently listening during the Joint Meeting



Meeting attendees networking during the lunch break





## **SINCERE APPRECIATION FOR THE PCAV'S SEPTEMBER 21st, 2021 JOINT MEETING SPONSORS**

### **COFFEE/BEVERAGE SPONSORS:**



### **LUNCH SPONSORS:**



### **DESSERT SPONSORS:**



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## Winter 2021 Webinar Series

The PCAV, ACPA, and CAPCA joined forces for the 5th time since the start of the pandemic to present a multi-week webinar series. From October 27th until December 15th, an 8-part webinar series focused on the topic of Transportation Resiliency and Asset Management.

A hybrid session of in-person and live stream in week 7 showed a lot of promise as we move forward into 2022. For those that are ready to go back to in-person or just miss it, we will plan some additional hybrid sessions next year that allow for virtual participation. Stay tuned for updates!

# TRANSPORTATION RESILIENCE AND ASSET MANAGEMENT—10 PDHs



## WINTER 2021 SCHEDULE:

### Introduction to Asset Management

**Wednesday, October 27th, 2021**

10:00 a.m.

Presenter: Tryg Hoff

### Building a Transportation Management Program

**Wednesday, November 3rd, 2021**

10:00 a.m.

Presenter: Tryg Hoff

### Pre Installation Inspection

**Wednesday, November 10th, 2021**

10:00 a.m.

Presenter: Hank Gottschalk

### Post Installation Inspection

**Wednesday, November 17th, 2021**

10:00 a.m.

Presenter: Hank Gottschalk

### AASHTO Storm Drain and Culvert Asset Management—Part 1

**Wednesday, November 24th, 2021**

10:00 a.m.

Presenter: Aimee Connerton

### AASHTO Storm Drain and Culvert Asset Management—Part 2

**Wednesday, December 1st, 2021**

10:00 a.m.

Presenter: Aimee Connerton

### Series Hybrid Event (virtual & in-person)

**Wednesday, December 8th, 2021**

8:30 a.m.—12:30 p.m.

Presenters: Aimee Connerton,  
Hank Gottschalk, Tryg Hoff

### TAM Wrap Up & Lessons Learned

**Wednesday, December 15, 2021**

10:00 a.m.

Presenter: Hank Gottschalk, Tryg Hoff



## Winter 2021 Webinar Series

A few screenshots capture the experience of participating in one of our webinars hosted by some terrific presenters. The chat function allows attendees to ask their questions and provide their feedback.

Zoom Webinar

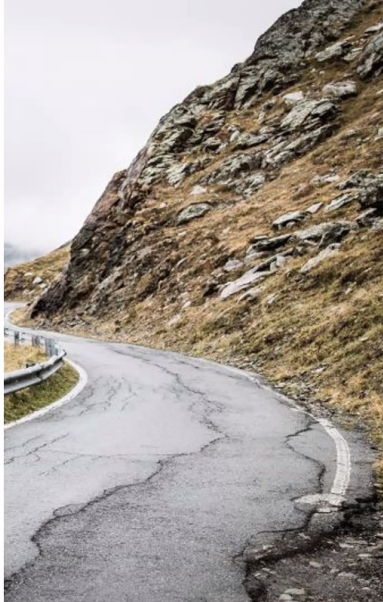
Recording

Vanessa Patterson  
Tryg Hoff  
Aimee Connerton  
Paul Gallant  
Jason Swoap

### Defining Asset Management

#### THE CHALLENGE

- Aging assets with increasing expectations
- Loss of knowledge
- Long asset life expectations
- Increasing regulatory requirements
- Diverse user and community expectations
- Shrinking budgets
- **Increasing costs**



10:05 AM  
10/27/2021

Zoom Webinar

You are viewing Tryg Hoff's screen

View Options

Recording

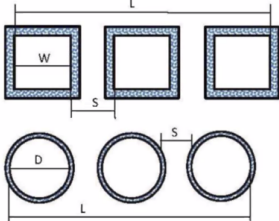
Vanessa Patterson  
Tryg Hoff  
Aimee Connerton  
Paul Gallant  
Jason Swoap

### Storm Drain Assets

#### Bridge vs Conduit

23 CFR 650.305

IS IT A BRIDGE OR A CULVERT?



```

graph TD
    Q{L < 20'} -- YES --> C1(CULVERT)
    Q -- NO --> Q2{S ≥ W/2 or S ≥ D/2}
    Q2 -- YES --> C2(CULVERT)
    Q2 -- NO --> B(BRIDGE)
  
```

Unmute Start Video Participants 47 Q&A Chat Share Screen Raise Hand Record

10:25 AM  
10/27/2021

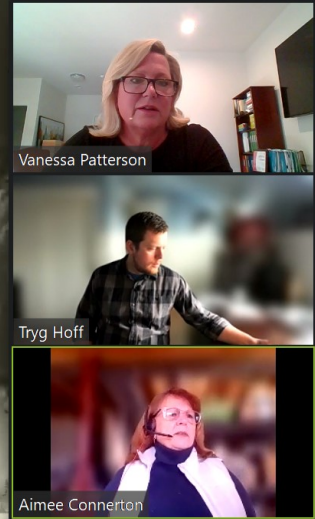
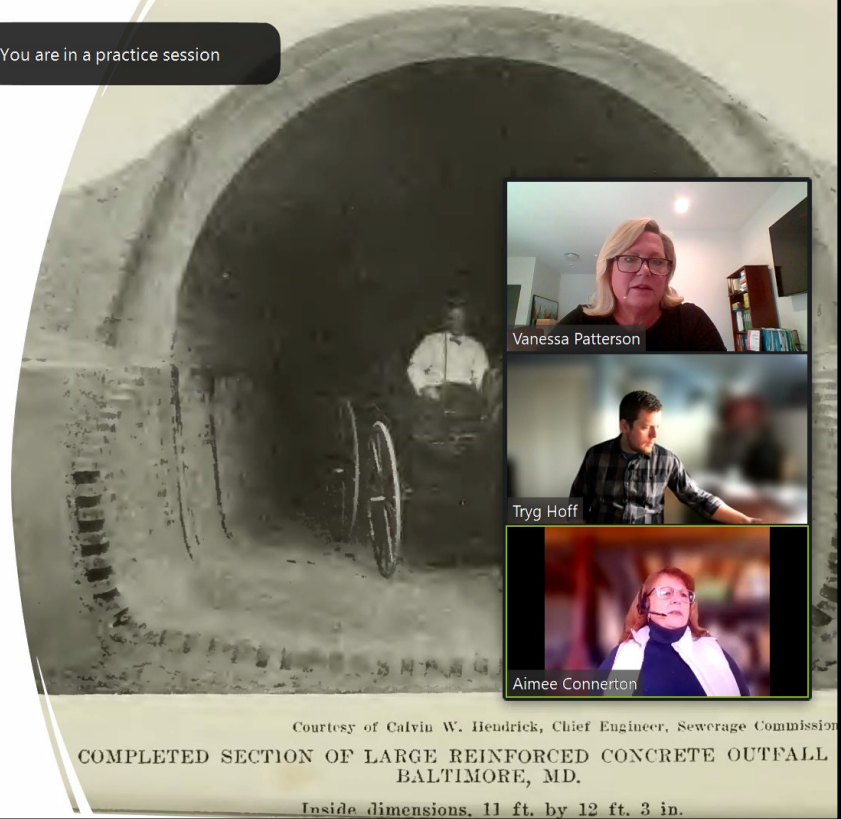
## Winter 2021 Webinar Series

### CULVERT & STORM DRAIN ASSET MANAGEMENT AND MAINTENANCE

**"Culvert and Storm Drain Systems are vital infrastructure assets that require periodic maintenance to achieve their design service life and proper function." – AASHTO CSDIM-1**

**AIMEE CONNERTON**  
**RINKER MATERIALS**  
 301-357-0324  
 AIMEE.CONNERTON@RINKERPIPE.COM

You are in a practice session



You are viewing Aimee Connerton's screen View Options

**B** No loose bolts, broken welds, missing rivets or fasteners. No surface rust.

**O**

**L**

**T** F Loose, freckled rust no pitting. Functioning as designed

**S** A

**S**

**T** E Missing, broken welds, surface rust, some pitting. Functioning as designed

**R** N

**I** E

**V** R Missing, broken welds with movement in connections, heavy rust. Imminent collapse

**E** S

**T**

**S**

**Vanessa Patterson**

**Aimee Connerton**

**Paul Gallant**

Unmute Start Video Participants 37 Q&A Chat Share Screen Raise Hand Record Leave



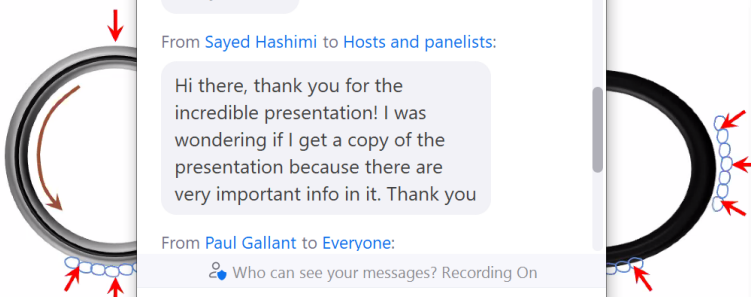
## Winter 2021 Webinar Series

Recording

You are viewing Hybrid Training Session's screen View Options

View

**Two Primary**



**Rigid**

Designed to transfer load through pipe structure into the surrounding soils and foundation below as the pipe deflects

**Chat**

Okay Thanks

From Sayed Hashimi to Hosts and panelists:

Hi there, thank you for the incredible presentation! I was wondering if I get a copy of the presentation because there are very important info in it. Thank you

From Paul Gallant to Everyone:

Who can see your messages? Recording On

To: Hosts and panelists

Type message here...

**Vanessa Patterson**

Vanessa Patterson

Break Back at 10 AM

Hybrid Training Session

The above screenshot represents attendee use of the chat function to interact with the presenters and panelists. This was during the hybrid Week 7 event.

**Vanessa Patterson**

Vanessa Patterson

**Tryg Hoff**

Tryg Hoff

**Paul Gallant**

Paul Gallant

**Hank Gottschalk**


Hank Gottschalk

**Jason Swoap**

Jason Swoap

## Critical Locations

- Evacuation Routes
- Interstates
- Emergency Access
- Flood Prone Locations
- Single Inlet/Outlet Access
- Fueling Stations
- Fire Stations
- Police Stations
- Hospitals
- Schools



**HIGH-INTENSITY STORMS ARE CAUSING MORE DAMAGE THAN EVER.**

**ARE YOU PREPARED?**

A public safety message from the International Association of Fire Fighters.

## PCAV 2022 Event Calendar



### 2022 PCAV EVENTS CALENDAR

JAN  
25

#### PCAV & VDOT JOINT MEETING

*tuckahoe woman's club*

*4215 dover road, richmond 23221*

10:00 a.m. — 3:00 p.m. - PCAV

11:00 a.m. — 1:00 p.m. - VDOT

JAN  
26

#### PCAV LEGISLATIVE VISIT DAY

*general assembly, richmond, virginia*

7:30 a.m. 12:30 p.m.

MAY  
2-3

#### PCAV ANNUAL MEETING

*richmond, Virginia*

Join us to Celebrate the PCAV's 30th year!

SEPT  
20

#### PCAV & VDOT JOINT MEETING

*tuckahoe woman's club*

*4215 dover road, richmond 23221*

10:00 a.m. — 3:00 p.m. - PCAV

11:00 a.m. — 1:00 p.m. - VDOT

SEPT  
21

#### PCAV RICHMOND TRAINING DAY

*tuckahoe woman's club*

*4215 dover road, richmond 23221*

8:00 a.m. - registration opens

8:30 a.m. - training sessions begin

3:30 p.m. - adjourn

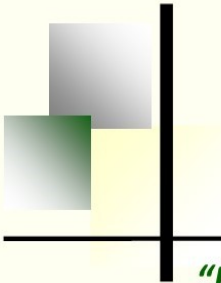
We begin 2022 with the first of two yearly joint meetings with VDOT followed by a day at the General Assembly visiting our legislators. We have a new format for our visit day as we join forces with several other business associations to hear from House and Senate leaders. We will have the opportunity to ask the leaders questions and share our legislative priorities. We will then proceed to the Pocahontas Building to meet with our individual representatives. We meet back up for lunch with a special guest speaker.

In 2022, the PCAV will be celebrating 30 years as an association. We will celebrate during our Annual Meeting beginning Monday May 2nd with an elegant evening reception. We are inviting special industry guests as well as some PCAV members from the past to join in our celebration. The Annual Meeting will take place in Richmond, Virginia.

In September, we have our 2nd joint meeting with VDOT followed the next day by in-person or perhaps a hybrid training day.

This calendar does not included potential webinar training series so stay tuned for educational opportunity announcements in the near future!

What's Up Next - PCAV/VDOT Joint Meeting January 25, 2022



# PCAV

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## PCAV/VDOT JOINT MEETING

**Tuesday January 25th, 2022**

**Tuckahoe Woman's Club**

**4215 Dover Road**

**Richmond, VA 23221**

**10:00 - 11:00 a.m. - Committee Meetings  
(PCAV Members Only)**

**11:00 - 12:00 p.m. - PCAV/VDOT Joint  
Meeting**

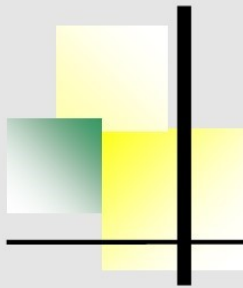
**12:00 - 1:00 p.m. - Refreshments/Networking**

**1:00 - 3:00 p.m. - Board Meeting (PCAV  
Members Only)**





## PCAV Legislative Visit Day 2022



# PCAV



*"Dedicated to the Growth of the Precast Concrete"*

## PCAV Legislator's Day

**Wednesday January 26, 2022**  
**7:30 a.m. - 12:30 p.m.**  
**Truist Building (formerly SunTrust)**  
 4th Floor—Auditorium and Piedmont Room  
 919 East Main Street Richmond, VA 23219

As 2022 brings new leadership to Virginia, the PCAV will join with other business organizations from the Coalition for a Strong Virginia Economy to educate policymakers on the issues most important to our industry. Members will be able to ask legislators questions. Delegates and Senators from both parties will be invited and hear from a very special speaker during lunch.

- 7:30 a.m.** - Registration & Continental Breakfast
- 8:00 a.m.** - Opening Remarks & Legislative Update
- 8:30 a.m.** - Featured Speakers (to be announced soon—leadership of the parties and both chambers)
- 9:30 a.m.** - Legislator visits—Pocahontas Building
- 11:30 p.m.** - Lunch featuring special Guest Speaker
- 12:30 p.m.** - Adjourn





**PCAV Annual Meeting 2022—Celebrating 30!**

## **PCAV ANNUAL MEETING & 30th ANNIVERSARY CELEBRATION**

**May 2nd and May 3rd  
Richmond, VA**

### **PCAV ANNUAL MEETING**

**Join us to celebrate  
30 years!**



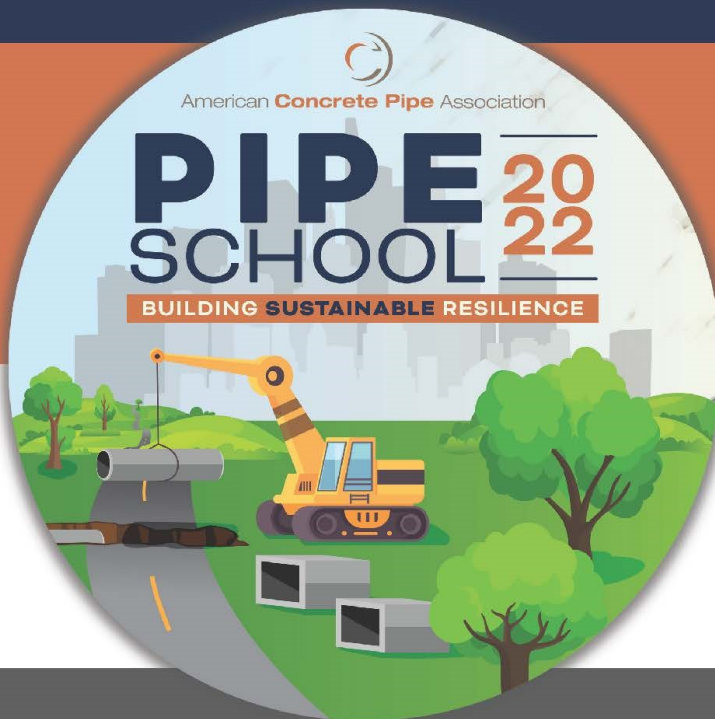
### ***30th Anniversary***

**WHEN:** May 2nd-3rd

- \* **1:00-3:00 p.m. May 2nd:**  
Social Networking
- \* **6:00 -8:30 p.m. May 2nd:**  
Reception & Dinner  
with Jazz Band
- \* **8:00 a.m. May 3rd:**  
Board Meeting
- \* **9:00 a.m. May 3rd:**  
General Meeting
- \* **12: 00 p.m. May 3rd:**  
Lunch

**What's Up Next - SAVE-THE-DATE: 2022 ACPA Pipe School**

| Transportation Agency Professionals  
| Contractors & Consulting Engineers  
| ACPA Members



# SAME SCHOOL

# MORE OPTIONS

REGISTER: [pipeschool.org](https://pipeschool.org)

Jan 31 - Feb 3, 2022 | Frisco, TX

ACPA's 2022 Pipe School is back to being in-person and will be held January 31st – February 3rd, 2022, in Frisco, TX, at the Embassy Suites. This year's theme is *Building Sustainable Resilience* and with a fresh presentation line up, the excitement of being back in-person, a unique streaming option available exclusively for transportation agencies, the 2022 Pipe School is shaping up to be one of the best yet. **REGISTER: [HERE](https://pipeschool.org)**



## ABOUT PIPE SCHOOL

Pipe School is the American Concrete Pipe Association (ACPA)'s annual event where members, DOTs, consulting engineers, subject matter experts, and other industry personnel get together to discuss, learn, and engage with one another. The school advances the industry by teaching classes on production, advanced production, and quality, while engaging with industry stakeholders to ensure that they are provided with information vital to their decision making process.

American **Concrete Pipe** Association

**2022 Virginia Concrete Conference - March 17-18**

# SAVE THE DATE

## 2022 Annual Virginia Concrete Conference

MARCH 17-18, 2022

The Westin Richmond

6631 W. Broad Street – Richmond, Virginia



### *Concrete is Sustainable*

Join us for the **2022 Annual Virginia Concrete Conference** for the Virginia Transportation Industry. This is our annual forum for the exchange of information and technology transfer with focus on concrete pavements and structures, as well as concrete materials. Emphasis will be placed on technical advancements/improvements and the viability of concrete for transportation applications. Industry and government experts will join us to share their knowledge and experiences in their field of expertise. Don't miss this opportunity to network with the industry's leading professionals as you learn about the latest developments in concrete, pavements, and bridges.

#### CONFERENCE HIGHLIGHTS

- DC WASA: Clean Rivers - Anacostia River Tunnel (ART)
- ACI 562 Repair and Rehabilitation Code - Recent Updates and Highlights
- Concrete Pavement Repair (CPR)

#### COMING SOON . . .

##### ➤ NOVEMBER 2021

- Early Exhibitor Registration  
**LIMITED SPACE**
- Sponsor Registration
- Conference Registration

<https://secement.org/2022-virginia-concrete-conference/>

\* \* \* \* \*

For additional information, contact

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[WWW.SECEMENT.ORG](http://WWW.SECEMENT.ORG)





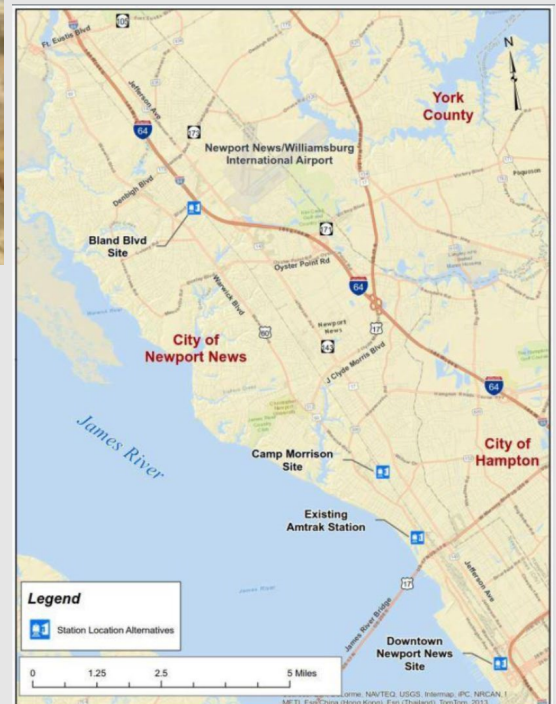
## Newport News Transportation Center

CP&P recently partnered with Basic Construction (Phase 1) and Allan Myers (Phase 2 & 3) to supply concrete pipe & precast structures for the City of Newport News' Transportation Center Project.

This project will create a regional multimodal transportation hub for enhanced passenger rail service in Newport News and will be a component of a developing multimodal system throughout the Hampton Roads region in Southeast Virginia.

Although not part of the original game plan, a 580 L.F. run of existing HDPE (plastic) pipeline was determined to be failing once installation of the new RCP & drainage structures began. Basic Construction was issued a change order to remove the failing plastic pipe and replace it with new 36" Diameter Reinforced Concrete Pipe (RCP.)

It is fortunate that the failing plastic pipe was discovered during construction so that it could be superseded with resilient, long lasting concrete pipe before a destructive failure could occur.





## Virginia Delegate Visits Precast and Pipe Plants



### *Ashland & Hanover Welcomes Virginia Delegate Betsy B. Carr*

On Thursday, November 4, Virginia Delegate Betsy B. Carr (69th House of Delegates district) joined several CP&P team members for a tour of both the Ashland Precast Facility, as well as the Hanover Pipe Facility.

Delegate Carr observed how the various precast components work together to provide long lasting buried infrastructure systems for our roadways and other critical locations. She spent considerable time learning about the manufacturing process, including Ashland's automated Perfect Manhole Plant with modern Styrofoam cutters and monolithic invert forming process.

After the Ashland Precast tour, Delegate Carr made the quick trip to CP&P's Hanover Pipe Plant, where she saw the automated reinforcing machines as well as automated pipe production running hard that morning. The tour was completed through the automated off bear station, drycast box culvert station and wrapped up with a three edge bearing test, where the superior strength of reinforced concrete pipe is tested and proven.

The team at CP&P wants to thank Delegate Betsy B. Carr for spending her morning with us to discuss our critical infrastructure needs in Virginia and for her efforts serving the State of Virginia.



## Members in the News—Congratulations to Bud Dallas of A-LOK!



A-LOK Products, Inc. is thrilled to announce the promotion of **Bud Dallas** to Sales & Marketing Manager. Bud joined the company back in 2006 and brings a wealth of experience to the Sales Manager role from successfully leading the Northeastern sales territory over the past 16 years. Please join us in congratulating Bud on his promotion and welcoming him to his new position. Bud's role of Northeast Sales will be assumed by Michael Newborg.



## Hamilton Kent and Geneva Pipe and Precast Team Up For High-Profile, Low-Impact Micro-tunnel Sewer Project

### Case Study: A micro-tunnel solution

When older sewer systems need replacing in densely populated urban environments, micro-tunneling provides a lower impact solution than open trenches. In a recent micro-tunneling project, Hamilton Kent collaborated with Geneva Pipe and Precast to provide O-ring gaskets designed to meet a 50 psi pressure requirement for the force main sewer in the Los Angeles beach community of Venice. The high profile project demonstrates how micro-tunneling can play an important role in upgrading aging sewer systems and protecting the environment.

The Geneva-HK collaboration took place in Venice, which needed to increase capacity and create redundancy of its sewer system, which was subject to sewage spills and overflows during heavy weather events. To supplement its overburdened 60-year-old sewer line, the City of Los Angeles Department of Public Works commissioned a 54-inch diameter force main sewer to run in parallel with the older sewer line. Years in the planning, work started in 2017, with completion planned for 2021. To keep the surface disruption to a minimum, the plan called for more than 90% of the pipeline to be constructed through micro-tunneling.

The total pipeline spans more than 10,000 linear feet, beginning at the Venice Pumping Plant and crossing under Marina Del Ray 15 to 30 feet below the groundwater. To support the project, Geneva Pipe and Precast supplied 1,710 linear feet of 72" diameter Class V precast concrete jacking pipe. The jacking pipe acts as a casing pipe for the 54" pressurized force main. Hamilton Kent worked closely with Geneva Pipe and Precast on the project, determining the proper joint design and O-Ring gasket combination to ensure optimal hydraulic performance.

The gasket played a critical role in meeting the specification for a joint that would pass a 50-psi pressure requirement. The final joint design consisted of a confined O-Ring gasket combined with a steel bell band. The steel band helps to disperse much of the jacking force around the pipeline. The close collaboration between HK and Geneva Pipe and Precast ensured a trouble-free installation and contributed to a successful project that will protect the sensitive beachfront environment for decades to come.



**HK** **Hamilton Kent**  
*Sealing Your Connection*



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Blackhorn, LLC	Clayton	Ohio	800-836-6113
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Carter Machinery	Salem	Virginia	800-768-4200
CONAC (Concrete Accessories, Inc.)	Duluth	Georgia	770-417-1110
Concrete Sealants, Inc.	Tipp City	Ohio	610-948-7867
Delta Engineers, Architects, & Land Surveyors	Endwell	New York	607-231-6613
EJ USA, Inc.	Richmond	Virginia	804-387-5971
Engineered Wire Products, Inc.	Upper Sandusky	Ohio	419-294-3817
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M.A. Industries, Inc.	Peachtree City	Georgia	800-241-8250
Martin Marietta Aggregates	Midlothian	Virginia	804-674-9517
Master Builder Solutions	Indiana	Pennsylvania	800-451-1648
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The Precast Concrete Association of Virginia

## Mission Statement

The Precast Concrete Association of Virginia is dedicated to the growth of the precast concrete industry.

We pursue that purpose by educating and partnering with specifiers, installers and end users on the advantages and proper utilization of our products and systems. The association will represent its members in the Commonwealth of Virginia.

If you have received this newsletter as a forwarded email,  
please go to [www.precastva.org](http://www.precastva.org) and subscribe.

Please forward this newsletter to your colleagues, business associates, vendors and prospects  
and ask them to visit [www.gopcav.com](http://www.gopcav.com) to subscribe as well.

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*"Dedicated to the Growth of the Precast Concrete Industry"*