

# OHIO ASPHALT

THE JOURNAL OF OHIO'S ASPHALT PROFESSIONALS

ISSUE 4 • VOLUME 19

FALL 2022



## Increased Gift Amounts Come at the Right Time

'22-'23 Scholarships Helping Ohio College Students; Promoting Coursework in Asphalt Technology

Page 8

PERMIT NO. 8755  
COLUMBUS, OH  
PAID  
U.S. POSTAGE  
PSRST STD



WATCHFOR.US





Ohio's Dependable Dealer



columbusequipment.com



# POWER. PERFORMANCE. PEACE OF MIND.

Columbus Equipment Company and Roadtec Partner to Optimize Uptime and Production Through Industry-Leading Support of Innovative, High-Quality, Dependable Road Building and Asphalt Paving Equipment.

**Performance on the Roadtec machines is excellent. On the newer ones we have, we put some hellacious numbers up in a day.**

**Scott Didion; Estimator & Scheduler, Wefle Inc.**



## Serving You From Nine Statewide Locations

**COLUMBUS**  
(614) 443-6541

**TOLEDO**  
(419) 872-7101

**CINCINNATI**  
(513) 771-3922

**RICHFIELD**  
(330) 659-6681

**CADIZ**  
(740) 942-8871

**DAYTON**  
(937) 879-3154

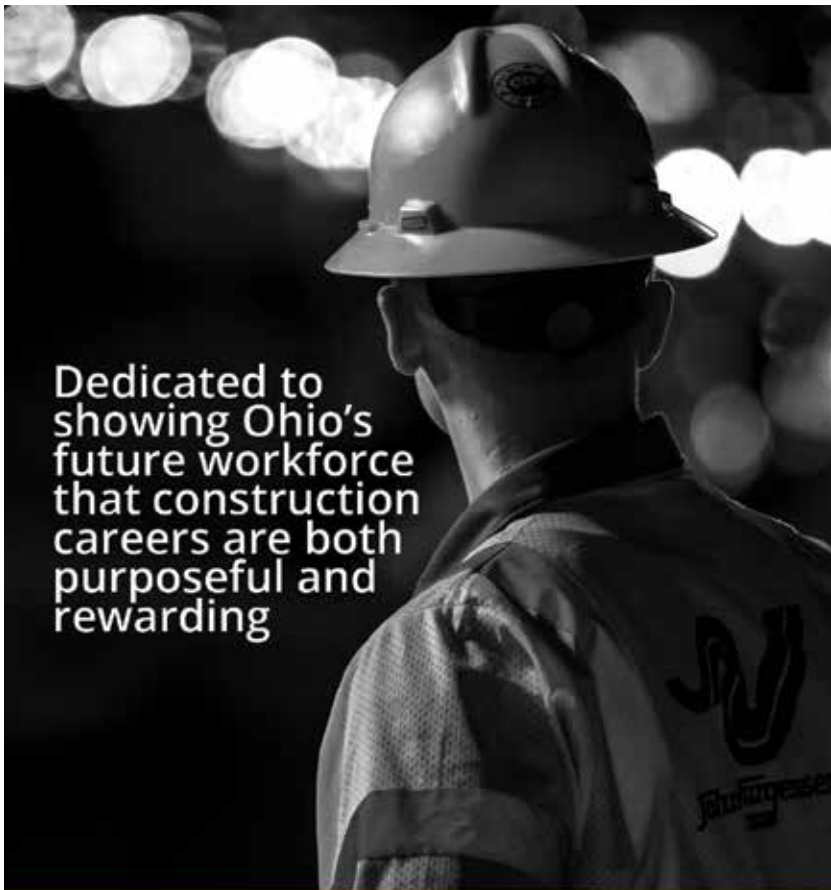
**MASSILLON**  
(330) 833-2420

**ZANESVILLE**  
(740) 455-4036

**PIKETON**  
(740) 289-3757

[www.columbusequipment.com](http://www.columbusequipment.com)





Dedicated to  
showing Ohio's  
future workforce  
that construction  
careers are both  
purposeful and  
rewarding



[WWW.IBUIL DAMERICA-OHIO.COM](http://WWW.IBUIL DAMERICA-OHIO.COM)

THE OFFICIAL HOMEPAGE OF OHIO'S  
CONSTRUCTION WORKFORCE  
DEVELOPMENT MOVEMENT

RESOURCES FOR EMPLOYERS, FAMILIES,  
JOB SEEKERS AND STUDENTS

#ibuildamericaOHIO



John R. Jurgensen Company • 11641 Mosteller Road • Cincinnati, Ohio 45241 • 513.771.0820 • jrjnet.com

**THE Shelly**  
COMPANY  
A CRH COMPANY

The Shelly Company  
One company, a variety of services  
Aggregate | Asphalt | Construction | Ready Mix



[www.shellyco.com](http://www.shellyco.com)



# OHIO ASPHALT

THE JOURNAL OF OHIO'S ASPHALT PROFESSIONALS

View the digital version at <http://ohioasphaltmagazine.com>.

- 6 THE PRESIDENT'S PAGE
- 8 FPO SCHOLARSHIP PROGRAM  
INCREASED GIFT AMOUNTS COME AT THE RIGHT TIME  
'22-'23 SCHOLARSHIPS HELPING OHIO COLLEGE STUDENTS;  
PROMOTING COURSEWORK IN ASPHALT TECHNOLOGY
- 14 THE FIELD QUALITY CONTROL SUPERVISOR PROGRAM  
& FPO TECHNICAL RESOURCES
- 16 2022 QUALITY ASPHALT PAVING AWARD NOMINATIONS
- 18 ODOT APPROVES WMA FOR COOL WEATHER PAVING
- 20 ASPHALT INSTITUTE ADDS REGIONAL ENGINEERS,  
NAMES DEPUTY DIRECTOR
- 20 NCAUPG CONFERENCE RETURNS
- 21 MARK YOUR CALENDARS
- 22 NEW MEMBER WELCOME
- 22 INDEX TO ADVERTISERS

CONNECT ON



ON THE COVER: THE 15 STUDENTS RECEIVING FPO SCHOLARSHIPS FOR THE 2022-2023 ACADEMIC YEAR REPRESENT SIX OHIO UNIVERSITIES. SINCE ITS START IN 1995, THE SCHOLARSHIP PROGRAM HAS AWARDED MORE THAN \$800,000 TO COLLEGE STUDENTS INTERESTED IN ASPHALT TECHNOLOGY. SEE PAGE 8.



*Flexible Pavements of Ohio is an association for the development, improvement and advancement of quality asphalt pavement construction.*

Ohio Asphalt is the official magazine of Flexible Pavements of Ohio. Published four times a year, advertising deadline is the 1st of the month preceding publication. Ohio Asphalt is not copyrighted and portions may be reprinted with the permission of Flexible Pavements of Ohio, 6205 Emerald Parkway, Suite B, Dublin, OH 43016; telephone: 614.791.3600, 888.446.8649; website: [www.flexiblepavements.org](http://www.flexiblepavements.org).

## Officers

### Chairman

James "Jim" Jurgensen II  
*Valley Asphalt Corp.*

### Co-Chair

Chad Reel  
*The Shelly Company*

### Treasurer

Colby "Cole" I. Graham  
*Shelly & Sands Inc.*

### Board of Directors

Frank "Tim" Bell  
*M&B Asphalt Co. Inc.*

Wm. Bryce Burgett  
*Kokosing Materials Inc.*

Brent C. Gerken  
*Gerken Paving Inc.*

Rodney Russell  
*Barrett Paving Materials*

Howard J. Wenger  
*Northstar Asphalt Inc.*

Dean Wikel  
*Erie Blacktop Inc.*

### Staff

Andrew Gall  
*President & Executive Director*

William H. Fair  
*Asphalt Pavement Technologist*

James Marszal  
*Pavements, Materials & Field Application Engineer*

Florence H. Flowers  
*Executive Assistant*

### Contact

Telephone: 614.791.3600;  
888.446.8649  
Fax: 614.791.4800  
[www.flexiblepavements.org](http://www.flexiblepavements.org)

### Layout & Design

TriAd Marketing & Media

### Ad Sales & Editorial Preparation

TriAd Marketing & Media  
371 County Line Road West  
Westerville, OH 43082  
fax: 614.846.8763

### Advertising Sales

Mark Wolf  
[mwolf@triad-inc.com](mailto:mwolf@triad-inc.com) or 866.679.9340

### Editorial Staff

Jerry Marks  
[editorial@triad-inc.com](mailto:editorial@triad-inc.com) or 800.288.7423



# LAY IT DOWN.

WE HAVE ALL YOUR ASPHALT  
TRANSFER NEEDS COVERED.

## FOR MORE DETAILS CONTACT:

CHUCK BARNES      216-906-5862  
TIM COX              513-518-8619

[www.ohiocat.com](http://www.ohiocat.com)



## Shelly & Sands, Inc.

Building on a Long History of Quality Construction

Asphalt Materials & Paving • Construction Aggregate  
Liquid Asphalt & Emulsions • Construction Management  
Site Development • Design Build



Since 1944, from locations throughout the state, Shelly & Sands has been safely and efficiently delivering the highest quality construction materials and projects in Ohio and Ohio's neighbor states.



Contact us today to let us know how we can earn the opportunity to assist you in making your project a success.

Corporate Headquarters  
3570 South River Road • P.O. Box 1585 • Zanesville, Ohio 43702-1585  
740 453-0721 • [www.shellyandsands.com](http://www.shellyandsands.com)



**ANDREW GALL**

PRESIDENT & EXECUTIVE DIRECTOR

**“... There have been changes in association staff and we are in a time of new innovations and rapid policy changes that impact and shape the industry. The FPO Board of Directors has requested an update to the Strategic Plan to provide the association with a focused purpose for the challenges of today and beyond ...**

**“The 2023-2028 Strategic Plan will outline the actions we will take over the next five years to advance and improve Ohio’s asphalt industry. The Strategic Plan will focus on innovation and quality, education, improved partnering and customer focus and policy advocacy for the industry.”**

# The Future of the Association

## *Flexible Pavements of Ohio Initiates Strategic Plan Update*

The Board of Directors of Flexible Pavements of Ohio (FPO) has initiated the process of updating the Strategic Plan to guide the association into the future. The association’s original strategic plan was first developed in 1994 and subsequently updated in 1997. The strategic plans adopted by FPO are responsible for many successes and, in many ways, remain relevant to this day. To maintain and elevate the industry’s position, FPO now seeks to update its strategic plan and align it with current needs, challenges and future opportunities for Ohio’s asphalt paving industry.

The early 1990s was a time of significant advancement and change for Ohio’s asphalt industry. FPO was under new leadership, and the Board of Directors determined the association needed a strategic plan to provide a “roadmap” for the future of Ohio’s asphalt pavement industry. FPO formed a Strategic Planning Team, surveyed the membership and key industry customers and conducted a series of facilitated meetings. The purpose of this effort was to create a mission statement and establish the goals and objectives for the association. The planning exercise included identifying the current state of Ohio’s pavement market; setting a direction for implementing quality initiatives; addressing environmental regulations; and promoting the many strengths of the asphalt industry.

The resulting 1994-1999 Long-Range Strategic Plan focused on the improvement of quality and pavement durability, partnering with the Ohio Department of Transportation (ODOT) on the implementation of performance-based specifications and working with industry partners to ensure the use of high-quality pavement materials. Additional achievements from this initial plan included improved technical training, a joint training partnership with labor unions and a focus of Ohio’s colleges and universities to encourage education in asphalt pavement technologies. The latter ultimately resulted in the formation of FPO’s Scholarship Program that continues to this day (see related article on page 8).

In the late 1990s, FPO began the process to update the strategic plan to guide the association beyond the year 2000. The 1997-2001 Long-Range Strategic Plan identified the next generation of strategies to improve pavement quality, durability and performance as well as continue to expand the use of asphalt for Ohio’s roadways. This plan saw the asphalt industry promoting innovative contracting practices; night paving to improve traffic flow in construction zones; strengthening ties with educational institutions; and promoting environmental and safety initiatives. During this period, quality became the largest driver of the association’s activities,



with additional focus on environmental regulations and continued promotion of the innovative use of asphalt materials.

The previous two plans served as a strong foundation to help guide the activities of the association for many years — and remain largely relevant more than 20 years later.

This year finds Ohio's asphalt industry in a similar position as the early 1990s. There have been changes in association staff and we are in a time of new innovations and rapid policy changes that impact and shape the industry. The FPO Board of Directors has requested an update to the Strategic Plan to provide the association with a focused purpose for the challenges of today and beyond. We have engaged the services of an outside facilitator, reviewed the previous plans for relevancy, benchmarked against other organizations and conducted meetings to discuss the state of the

industry and establish a vision of the future. The result will be a new Strategic Plan rooted in what has made us successful, and looks to the emerging challenges and opportunities for the industry by identifying core association functions and a vision for the future.

The 2023-2028 Strategic Plan will outline the actions we will take over the next five years to advance and improve Ohio's asphalt industry. The Strategic Plan will focus on innovation and quality, education, improved partnering, customer focus and policy advocacy for the industry. The final Strategic Plan will be completed this winter and made available during the FPO Membership Meeting at the Ohio Asphalt Expo, March 28-29, 2023, in Columbus.



**NORTHSTAR ASPHALT: PAVING THE WAY TO YOUR NEXT DESTINATION**  
Experienced asphalt paving contractor serving the Akron-Canton metropolitan area and surrounding counties.  
Innovative paving solutions for difficult projects.  
Service, quality and commitment.



[www.wengercompanies.com](http://www.wengercompanies.com) 7345 Sunset Strip N.W. | P.O. Box 2646 | North Canton, Ohio 44720-2646 | 330-497-0936



## FPO SCHOLARSHIP PROGRAM

# Increased Gift Amounts Come at the Right Time

'22-'23 Scholarships Helping Ohio College Students; Promoting Coursework in Asphalt Technology

**In a year headlined by record inflation, the increase in this year's Ohio Asphalt Pavement Industry Scholarship amount may be one of the few things that has gone up and is worthy of celebrating.**

Flexible Pavements of Ohio members can boast of the 2022-2023 academic year's scholarships increasing 100% to 150% over last year, as 15 Ohio college students at six universities are benefiting this fall from the association's graciousness.

The Ohio Asphalt Pavement Industry Scholarship Program, as it has since its inception in the mid-1990s, is helping students stay on track to earning their civil engineering and construction management degrees through this academic year's \$5,000 scholarships. In addition, the scholarship program is aiding the flexible pavement industry's efforts for asphalt pavement technology to be included in the curriculums at Ohio colleges.

FPO Asphalt Pavement Technologist Bill Fair, who has been administering the association's scholarship program the past 15 years, said the idea to increase the scholarship amounts came from the FPO Board of Directors. Debating the advantages of offering more scholarships of lesser amounts or fewer scholarships of greater amounts, Fair said, "The board chose to fund the increased scholarship amount through using the existing National Asphalt Pavement Association Research & Education Foundation (NAPAREF) endowments, additional voluntary contributions from FPO members and FPO reserves.

"Larger scholarships also make them more attractive to students," added Fair.

The idea of the Ohio Asphalt Pavement Industry Scholarship Program originated from former FPO Executive Director Fred Frecker, who led the association from 1992-2007. The proposal of the scholarship program was approved by the board of directors and was included in the association's 1994 Long Range Strategic Plan. The program's first scholarships were awarded the following year.



Since 1995, and with the addition of the 2022-2023 academic year's recipients, 535 students have benefited from the Ohio Asphalt Pavement Industry Scholarship Program. Over its 27 years, the program has awarded more than \$801,099 in scholarships.

See scholarship fund contributors, page 11

Prior to the scholarship program, universities in Ohio generally did not provide coursework in asphalt pavement technology. The Ohio Asphalt Pavement Industry Scholarship Program remedied that by increasing awareness in asphalt technology, which has benefited not only the students but also the academic institutions and the flexible pavements industry.

The Ohio Asphalt Pavement Industry Scholarship Program is administered through NAPAREF and continues to maintain its original objectives, which are:

- Encouraging students to gain knowledge in flexible pavements by requiring each scholarship recipient to take at least one course in asphalt pavement technology
- Promoting the offering of training by colleges/universities in asphalt pavement technology by creating a student demand for the course
- Providing close ties between the asphalt industry and universities by raising awareness of asphalt pavement technology in the academic community and fostering asphalt pavement-related research
- Creating a workforce trained in asphalt technology

Since the beginning of the FPO scholarship program, 11 universities have participated. This year, students at six universities are being awarded scholarships.

Scholarship recipients were unable to be recognized and honored this year, as the 2022 Ohio Asphalt Expo was cancelled due to ongoing COVID concerns. Fair said it was unfortunate not only for the students but also FPO members to not have the in-person celebration. "FPO regrets not having the opportunity to introduce scholarship recipients face-to-face with their scholarship sponsors and other FPO members," he said. "A side benefit to the scholarship program is the opportunity for finding and hiring young professionals into the asphalt pavement industry."

Let's meet the 2022-2023 Ohio Asphalt Pavement Industry Scholarship recipients (on page 10):



## JUST PLANE GOOD!

**Our Quality and Service is Unmatched Since 1978**

- ✦ Asphalt Planing
- ✦ Micro Milling
- ✦ Fine Milling
- ✦ Excavation — Up to 16.5"
- ✦ Bridge Deck Scarification
- ✦ Type 2 Rumble Strips
- ✦ Diamond Grinding & Grooving



BOCA Construction, Inc.  
380 Eastpark Drive, Norwalk, Ohio 44857  
Office (419) 668-5575, Fax (419) 663-0377  
An Equal Opportunity Employer

Visit [www.bocaconstructioninc.com](http://www.bocaconstructioninc.com)  
for more on our services, capabilities, and history



## Ebony Construction Company, Inc.

### Asphalt Paving

### Milling

### Material Supply

**Certified in Ohio & Michigan**  
8(a), DBE, MBE, SDB, EDGE, NOMBC

**419-841-3455** [phone]  
**419-841-7845** [fax]  
**ebonyco.com** [website]

3510 Centennial Road, Sylvania, Ohio 43560  
*'Equal Opportunity Employer'*

## 2022-2023 FPO Asphalt Pavement Industry Scholarship Recipients



Barrett Paving Materials Inc.  
**Carson Becker**  
Civil Engineering  
U. of Cincinnati



Burgett Family/ Kokosing  
Construction Co.  
**Hailey DeGeorge**  
Civil Engineering  
Case Western Reserve U.



Erie Blacktop Inc.  
**Austin Grillo**  
Civil Engineering  
Case Western Reserve U.



Flexible Pavements of Ohio  
**Brendan Baird**  
Civil Engineering  
Case Western Reserve U.



Flexible Pavements of Ohio  
**Julia Holstead**  
Civil Engineering  
U. of Dayton



Flexible Pavements of Ohio  
**Derek Rauh**  
Civil Engineering  
U. of Cincinnati



Fred & Teresa Frecker  
**Gina Kunkel**  
Civil Engineering  
U. of Akron



Gerken Paving Inc.  
**Cassie Roberts**  
Construction Mgmt.  
Bowling Green St. U.



John R. Jurgensen Co./Valley Asphalt  
**Ethan Lauder**  
Construction Mgmt.  
U. of Cincinnati



Martin Marietta Materials Inc.  
**J.T. Lemmerman**  
Civil Engineering,  
U. of Cincinnati



The Chase Nichols/Mid-Ohio  
Paving Scholarship  
**Benjamin Starker**  
Civil Engineering,  
Ohio State U.



Northstar Asphalt/Kenmore  
Construction Co.  
**Jaret Lundy**  
Civil Engineering,  
U. of Cincinnati



Ohio CAT/ Caterpillar Inc.  
**Veronica Takacs**  
Civil Engineering  
U. of Cincinnati



The Shelly Co.  
**Grace Bolain**  
Civil Engineering  
Ohio State U.



Shelly & Sands Inc.  
**Jackson Seiple**  
Civil Engineering  
U. of Cincinnati



## FPO Asphalt Pavement Industry Scholarship Fund Contributors

The following companies and individuals have contributed to endow the Ohio Asphalt Pavement Industry Scholarship Fund through the National Asphalt Pavement Association Research & Education Foundation (NAPAREF) or by direct contributions:

Osama Abdulshafi, Ph.D.  
Barrett Paving Materials Inc.\*  
Bowers Asphalt & Paving Inc.  
Wayne & Debbie Brassell  
Burgett Family/Kokosing Construction Co. Inc.\*  
Columbus Bituminous Concrete Corp.  
Columbus Equipment Co.  
Cunningham Asphalt Paving Inc.  
Dine Comply Inc.  
Erie Blacktop Inc.  
Fred & Teresa Frecker  
General Insurance Co.  
Gerken Paving Inc.\*  
Hardrives Paving Construction Inc.  
Husky Asphalt  
Hy-Grade  
John R. Jurgensen Co./Valley Asphalt Corporation\*  
Kenmore Construction Co.\*  
The Koski Construction Co.  
M&B Asphalt Co. Inc.  
The McLean Co.  
Martin Marietta Materials\*  
Meeker Equipment Co. Inc.  
Mid-Ohio Paving Inc.  
Northeastern Road Improvement  
Northern Ohio Paving  
Northstar Asphalt Inc.\*  
Ohio CAT & Caterpillar Inc.\*  
Osterland  
Schloss Paving  
The Shelly Co.\*  
Shelly & Sands Inc.  
H.P. Streicher Inc.  
Thomas Asphalt Paving Co.  
Valley Materials Inc.  
William H. Fair, P.E.

*\*Denotes pledges of \$50,000 or more*

## 2023-2024 FPO Scholarship Entry Dates Set

Flexible Pavements of Ohio is pleased to announce the 28th year of its Ohio Asphalt Scholarship Program. The period for submitting online applications for the 2023-2024 academic

year will be from Nov. 14, 2022 through Jan. 27, 2023. During this period, students may find information about the program and apply using the online application on the FPO website at: <http://www.flexiblepavements.org/scholarships/asphalt-scholarships-program>.

The college scholarship program is available to undergraduate civil engineering and construction management/engineering students in their sophomore or junior years who will be juniors or seniors during the 2023-2024 academic year. Scholarship recipients must agree to take a course in asphalt pavement technology prior to graduating. Graduate civil engineering students studying asphalt pavement technology are also eligible for an Ohio Asphalt Scholarship.

O A



# YOUR ONE-STOP SOURCE

FOR ROAD MAINTENANCE PRODUCTS & EQUIPMENT



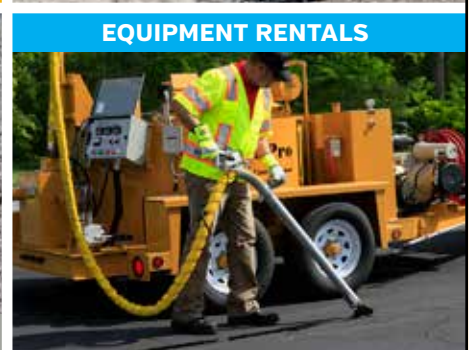
ROAD SEALERS



MASTIC MACHINES & MATERIAL



CRACK SEALANTS



EQUIPMENT RENTALS

2520 S Campbell St. | Sandusky, OH | 419-626-4375  
870 N 20<sup>TH</sup> St. | Columbus, OH | 419-239-2410  
[sealmaster.net](http://sealmaster.net)

**SealMaster®**  
Pavement Products & Equipment

# THE BRIGHTEST IDEAS ARE IN ASPHALT



Visionary engineers and researchers are constantly innovating asphalt pavements to meet the needs of the future. They've created game-changing products like warm-mix asphalt and Thinlays for pavement preservation — and they're not done yet. The industry is already working on asphalt roads built to accommodate the safe use of driverless vehicles. This commitment to innovation is paving the way for even longer-lasting, higher-performing pavements.

## WHEN IT COMES TO **INNOVATION** ASPHALT PERFORMS



SUSTAINABILITY



INNOVATION



VALUE



FLEXIBILITY

LEARN MORE AT [WWW.DRIVEASPHALT.ORG](http://WWW.DRIVEASPHALT.ORG)



**THE ROAD STARTS HERE**



**Preservation Construction Specialty Applications**

**THE ONE STOP SHOP FOR ALL YOUR ASPHALT NEEDS**

VISIT OUR WEB SITE AT:  
**WWW.ASPHALT-MATERIALS.COM**



# Advertise in Ohio Asphalt



**Mark Wolf**

**Advertising Sales Representative**

[mwolf@triad-inc.com](mailto:mwolf@triad-inc.com)

866.679.9340 • fax: 614.846.8763

## Make our pavement preservation team your pavement preservation team.

Your network is as unique as the people who drive it. When you partner with us, you'll get expertise and applications that protect your network in a way that works for drivers, the community and most importantly, you.

Visit [RussellStandard.com](http://RussellStandard.com) and find out how we are truly unmatched all the way around.

SERVING PENNSYLVANIA, OHIO, WEST VIRGINIA AND MARYLAND



©2022 Russell Standard. All rights reserved.





## THE FIELD QUALITY CONTROL SUPERVISOR PROGRAM & FPO TECHNICAL RESOURCES

The Field Quality Control Supervisor (FQCS) Program was established by the Ohio Department of Transportation (ODOT) in collaboration with Flexible Pavements of Ohio (FPO) in 2005. This program expanded contractor quality control (QC) responsibilities to include hot mix asphalt (HMA) paving and field operations. In addition, the typical contractor QC responsibilities were expanded to include some aspects of quality assurance (QA), i.e., the contractor is actively engaged in assuring quality work.

The FQCS Program also created the Field Quality Control Supervisor role; defined their responsibilities related to quality; required a Quality Control Plan (QCP), which was developed by the contractor/producer; and described their roles and responsibilities related to both QC and QA.

Additional information pertaining to the administration of the FQCS Program, FQCS and QCP can be found in ODOT Construction and Material Specifications (CMS) Item 403 – Asphalt Concrete Quality

Assurance and ODOT Supplement 1041 – Asphalt Concrete Program Administration.

An integral part of the FQCS Program and the QCP is the Field Quality Control Supervisor. To be a FQCS, the following requirements apply:

- Satisfactory completion of an ODOT-approved FQCS Course (typically offered by FPO)
- Minimum 2 years experience with asphalt placement operations on ODOT projects
- Re-training 5 years after the initial FQCS training (typically by FPO)

Projects that require a FQCS are:

- All asphalt paving projects administered under ODOT Specifications
- May apply to local governments that utilize ODOT Specifications
- May apply to engineering consultants serving as the Independent Quality Firm (IQF) on ODOT Design/Build Projects

It is also important to note that a FQCS is expected to be routinely and usually at the paving site during placement of non-temporary asphalt concrete pavement.

FQCS responsibilities specifically related to HMA paving and field operations are diverse and significant, and have tended to have been expanded in recent years as state and federal funding has buttressed ODOT and local pavement programs, while owner/agency inspector and engineer staffing levels have either remained steady or decreased due to attrition.

The primary objective of the FQCS program is: “To ensure higher quality HMA pavement construction through creating the incentive for contractors to respond to laydown deficiencies in an immediate and meaningful way.” Therefore, FQCS responsibilities are based upon ODOT’s expectation for pavements, which are:

- Uniform in composition
- Conform to specification requirements
- Free from defects – such as segregation, lack of mixture and texture uniformity, raveling, rutting, holes, debris, etc.
- Adhere to density and smoothness requirements

The primary FQCS responsibility is to recognize and/or identify any paving deficiencies during paving operations and initiate corrective action in an appropriate and timely manner.

Sounds easy, right? The fact is the FQCS has a very difficult job that includes responsibilities to both ODOT via specification and to his/her employer. And, in some cases there could be conflicting priorities when ODOT/agency expectations differ from employer expectations. Unfortunately, we can’t address all FQCS issues and scenarios in one article. But what we can do is suggest that a difficult job



with challenging expectations is always easier as two employee characteristics are developed ... **experience and education.**

Whether you're an existing FQCS inspector or a new(er) employee considering a future role as a FQCS for your company, every road you pave or crew you work with or agency you work for will provide valuable experience to help you gain the confidence, skill and ability to make good decisions and build quality asphalt projects as you progress through your career.

In addition to experience, continuing education is invaluable whether you're a laborer, equipment/paver/roller operator, FQCS or engineer. Fortunately, FPO provides a variety of technical resources that could be helpful to a Field Quality Control Supervisor. FPO technical bulletins, technical documents and other related publications can easily be accessed via the website: [www.flexiblepavements.org](http://www.flexiblepavements.org).

Once you access the website, the following technical resources are available:

#### Technical Bulletins

Cold Weather Paving (27August15)

Proper Tack Coat Application

(19September2012)

Prime Coat Use (2December2002)

#### Technical Documents

Longitudinal Joint Construction Best Practices

Best Practices for Ensuring Uniform Mat Texture

QC Plan Guidance Document for  
Incorporating FQCS Provisions

#### Pavement Systems and Standards

Porous Asphalt

In addition, you will find numerous links to pavement design, construction and maintenance resources pertaining to ODOT, Municipal, low-volume, parking lot and driveway applications, as well as information on materials and other asphalt-related topics.

So, if you're an experienced FQCS looking to refresh your memory or solve a unique problem; a new employee considering a future FQCS role; or simply looking to learn more about asphalt paving, check out the FPO website for a variety of technical resources.

If you have any questions, or if you are looking for specific information, contact the FPO staff for assistance. The staff is available to assist you in gaining the knowledge, skills and abilities to help you and your company build quality asphalt pavements that meet or exceed ODOT/owner expectations.



[www.flexiblepavements.org](http://www.flexiblepavements.org)

OA



MAX3 DISTRIBUTOR



8520 ASPHALT PAVER



5300 ASPHALT PAVER

**LeeBoy**



[www.themcleancompany.com](http://www.themcleancompany.com)

Three Locations to Serve Our Customers:

#### HUDSON

6681 Chittenden Road  
Hudson, OH 44236  
Phone: 330-655-5900  
Fax: 330-655-5969

#### COLUMBUS

3155 E. 17th Avenue  
Columbus, OH 43219  
Phone: 614-475-2880  
Fax: 614-475-0069

#### CINCINNATI

8131 Regal Lane  
West Chester, OH 45069  
Phone: 513-777-5556  
Fax: 513-777-4494

[www.LeeBoy.com](http://www.LeeBoy.com) | 704.966.3300

# 2022

## QUALITY ASPHALT PAVING AWARD NOMINATIONS



**Flexible Pavements of Ohio (FPO) is now accepting nominations for the 2022 Quality Asphalt Paving, the Ecological and Master Craftsman awards.**

Nominations for the Quality Asphalt Paving Awards are being accepted for work performed during the 2022 construction season. Quality Asphalt Paving Award nominations are being accepted for Ohio Department of Transportation/Ohio Turnpike Projects, Local Roads or Streets, Commercial Parking Facilities, Special-Use Pavements and Airport Pavements.

The FPO Ecological Award was established to recognize asphalt production facilities that best demonstrate safe and responsible environmental practices. Facilities will be judged on design layout, clean operation, maintenance performance practices and community awareness activities.

The Master Craftsman Award recognizes contractors whose work has stood the test of time. The winner of this award will be acknowledged for a commitment to quality workmanship exhibited by exemplary pavement performance. The award recipient will be selected from pavements with an existing surface course having given acceptable service for 15 years or more and continues to provide exceptional service.

Go to [www.flexiblepavements.org](http://www.flexiblepavements.org) for additional information, including award nomination forms and eligibility requirements.

**Nominations for all award categories must be received at the FPO office by Friday, October 21, with a final cutoff date of Friday, November 18.**

Contact Andrew Gall at (614) 791-3600 or by e-mail at [andrew.gall@flexiblepavements.org](mailto:andrew.gall@flexiblepavements.org) with any questions regarding the awards program.





# MILLING - PAVING - COMPACTION

WE HAVE YOU COVERED



Life is a highway. Keep moving forward with Bomag's full line of road and asphalt equipment. From milling and paving to compaction, we have you covered, mile after mile. **CALL, CLICK, OR STOP IN TODAY FOR A DEMO.**

*Southeastern*  
EQUIPMENT COMPANY



**BOMAG**  
FAYAT GROUP

800-798-5438 | SOUTHEASTERNEQUIP.COM

# ODOT APPROVES WMA FOR COOL WEATHER PAVING

**TABLE 401.05-1 WEATHER LIMITATIONS**

Course Thickness	Minimum Surface Temperature	
	Without Chemical WMA	With Chemical WMA <sup>[1]</sup>
3.0 inches (75 mm) and over <sup>[2]</sup>	36 °F (2 °C)	32 °F (0 °C)
1.5 to 2.9 inches (38 to 74mm)	40 °F (5 °C)	32 °F (0 °C)
1.0 to 1.4 inches (25 to 37 mm)	50 °F (10 °C)	40 °F (5 °C)
Less than 1.0 inch (25 mm)	60 °F (16 °C)	50 °F (10 °C)
Variable Intermediate, 0 to 3.0 inches (0 to 75 mm)	40 °F (5 °C)	32 °F (0 °C)

[1] Only use chemical WMA additives on the approved list. Chemical WMA additive must be in-line blended per S-1053, Method A, at the asphalt concrete mix plant.

[2] When paving on an aggregate base or subgrade, use a minimum air temperature of 40 °F (5 °C), or a minimum air temperature of 32 °F (0 °C) when using chemical WMA.



**It is that time of year where leaves are falling, daylight is shortening, temperatures are dropping and crews are diligently paving roadways, paths, parking lots and drives all to meet fast-approaching completion dates and finish paving projects before the snow begins falling.**

Unfortunately, this annual exercise in cool weather paving increases risk to both contractors and owner/agencies, as lower temperatures often accompanied by winds and increased moisture makes achieving proper density, needed for durability and performance, increasingly difficult. Fortunately, decades of experience, advancements in materials and equipment, along with substantial efforts to improve quality, have resulted in several traditional cold weather paving best practices.

Traditional cold weather paving projects can include any and/or all the following best practices:

- Increase the mix temperature
- Increase the layer thickness and/or change the mix type to a fine-graded mix that can be easily compacted and is likely to be impermeable at lower-density/higher air voids
- Minimize haul time and ensure truck beds are covered and insulated
- Work the rollers as close to the paver as possible
- Use more and/or higher capacity rollers
- **Use Warm Mix Asphalt (WMA)**

In recent years, the interest in the use of WMA for late-season paving has increased. Originally in Ohio, WMA was limited to the use of water to foam the asphalt providing a lubricant/compaction aid with moderate decreases in mix temperatures. Although beneficial in several aspects, the use of foamed asphalt was not appropriate for late-season cold weather paving. Consequently, interest was directed toward chemical warm mix additives to achieve density in cool(er) temperatures and to potentially extend Ohio's paving season.

After several years of limited use on select trial projects, Supplemental Specification (SS) 800 was revised on April 15, 2022, to allow the use of chemical warm mix additives (on an approved OMM list) to place asphalt in colder temperatures and to place asphalt concrete later in the year. Construction and Materials Specifications (CMS) 401.05 was revised to allow chemical warm mix additives, and Table 401.05-1 was modified to indicate minimum pavement surface temperatures for paving with and without chemical WMA.

The approved chemical warm mix additive list can be found on the ODOT Office of Materials Management (OMM) website (look for "Approved List"). Currently, two Evotherm products from Ingevity have been approved for use in Ohio.

Late-season cool weather paving in Ohio is not typically done by choice; it is often a matter of necessity. Chemical warm mix additives have been available for many years and have proven to be beneficial in late-season cold(er) weather applications, and now they are approved for use on appropriate projects built using ODOT specifications. If you're an owner, agency or contractor, and you anticipate cool weather or late-season paving, we encourage you to investigate and consider the use of a chemical warm mix additive. Chemical warm mix additives could prove to be the difference between building an average late-season paving project versus one that rivals peak paving season projects in terms of durability and performance.

For more information on traditional cold weather paving best practices, see FPO's *Ohio Asphalt* – Fall 2019, available on the Flexible Pavements of Ohio website ([www.flexiblepavements.org](http://www.flexiblepavements.org)).

For more information on chemical warm mix additives, look for future articles in *Ohio Asphalt*, or consider attending the Ohio Asphalt Paving Conference, Feb. 1, 2023. Visit the FPO website for registration information.





## YOUR INDUSTRY IS OUR BUSINESS.

At Hahn Loeser, our Construction Team members offer our clients exceptional strength, leadership and industry knowledge. Our responsive team of hardworking professionals is committed to seeking outstanding results for our clients around the corner and across the country. For updates, subscribe to our blog at [constructionlawinsights.com](http://constructionlawinsights.com).

**HAHN  LOESER**

Rob Remington | Construction Group Chair | [rrr@hahnlaw.com](mailto:rrr@hahnlaw.com)  
 Andy Natale | [anatale@hahnlaw.com](mailto:anatale@hahnlaw.com)  
 Aaron Evenchik | [aevenchik@hahnlaw.com](mailto:aevenchik@hahnlaw.com)

HAHN LOESER & PARKS LLP | [hahnlaw.com](http://hahnlaw.com) | 216.621.0150 | 200 Public Square | Suite 2800 | Cleveland, OH 44114








**KOKOSING MATERIALS, INC.**  
 P.O. Box 334, Fredericktown, Ohio 43019  
 Phone: (740) 694-9585 • Fax: (740) 694-1100  
[www.kokosingmaterials.com](http://www.kokosingmaterials.com)



**KOKOSING CONSTRUCTION COMPANY, INC.**  
 P.O. Box 226, Fredericktown, Ohio 43019  
 Phone: (740) 694-6315 • Fax: (740) 694-1481  
[www.kokosing.biz](http://www.kokosing.biz)



**Asphalt plants located in the following Ohio cities:**

Cleveland	Grand River	Tallmadge
Columbia Station	Mansfield	Upper Sandusky
Columbus	Medina	Westerville
East Claridon	Shalersville	Woodville
Fredericktown	Sheffield	Wooster
Garfield Heights	St. Louisville	





**Liquid AC terminals located in:**

Wheelersburg, OH  
 Mansfield, OH





**SBS Polymer manufacturing plant located in:**

Mansfield, OH



**Tradition ♦ Excellence ♦ Quality ♦ Innovation**

# ASPHALT INSTITUTE ADDS REGIONAL ENGINEERS, NAMES DEPUTY DIRECTOR

## *UNIVERSITY OF TOLEDO GRADUATE TO OVERSEE OHIO, AREA STATES*



Jason Wielinski, P.E.



Grover Allen, P.E.

The Asphalt Institute announced Grover Allen, P.E. and Jason Wielinski, P.E., a University of Toledo graduate, as its newest Regional Engineers and the promotion of Danny Gierhart to Deputy Director.

Asphalt Institute Regional Engineers work with asphalt user producer groups, state departments of transportation, Canadian municipalities, the group's 128 member companies and more through engineering and educational support.

Wielinski, who is located in Brownsburg, Ind., is covering Ohio and Indiana along with Illinois, Kentucky, Michigan, Tennessee, Virginia and West Virginia. He earned his bachelor's degree in civil engineering from UT and his master's degree in civil engineering from Auburn University.

Allen, who will work from Panama City, Fla., will serve Alabama, Arkansas, Florida, Georgia, Louisiana,

Mississippi, North Carolina and South Carolina. He obtained his doctorate degree from Texas A&M University.

"Our eight regional engineers promote quality use of liquid asphalt in paving and roofing applications all over North America. We are pleased to have Grover and Jason on our team," said AI President Pete Grass.

Gierhart, a senior regional engineer, was promoted to Deputy Director of Engineering and will cover Oklahoma and Texas.

The Asphalt Institute was founded in 1919 and is the international trade association of petroleum asphalt producers, manufacturers and affiliated businesses.



## NCAUPG CONFERENCE RETURNS



NAPA Director of Sustainable Pavements Joseph Shacat provided a presentation on the sustainability of asphalt pavements.

Flexible Pavements of Ohio (FPO) joined representatives from state departments of transportation, the Federal Highway Administration and the asphalt industry at the 2022 North Central Asphalt User Producer Group (NCAUPG) Hot Mix Asphalt Conference in Indianapolis, September 20-21.

This was the first NCAUPG meeting since 2016, when the conference went on a temporary hiatus. The NCAUPG is a regional group consisting of state governments and the asphalt industry from 12 states in the central and north central United States and two Canadian Provinces. The organization is governed by two co-chairs, one from a state agency and one representing the asphalt industry.

This two-day conference provided networking opportunities and presentations regarding asphalt materials, sustainability and pavement design, as well as a roundtable discussion featuring representatives from each state in attendance.







# Mark Your Calendars



## **Ohio Transportation Engineering Conference**

**October 25-26, 2022**

**Columbus Convention Center**

**400 North High St.**

**Columbus, OH 43215**

The Ohio Transportation Engineering Conference (OTEC) is a two-day event attended by more than 3,000 transportation professionals from throughout the nation. OTEC is co-sponsored by ODOT and The Ohio State University.

Visit the OTEC website at [www.otecohio.org](http://www.otecohio.org) for up-to-date conference information.

industry. General sessions, workshops, committee meetings and invaluable industry networking make NAPA's Annual Meeting where the industry gathers to set its future.



## **CONEXPO-CON/AGG**

**March 14-18, 2023**

**Las Vegas Convention Center**

**3150 Paradise Rd.**

**Las Vegas, NV 89109**

CONEXPO-CON/AGG brings contractors, dealers, producers, service providers and other construction professionals together. More than 1,800 exhibitors are represented at the trade show, which includes products in asphalt, aggregates, earthmoving and more.



## **Ohio Asphalt Paving Conference**

**Feb. 1, 2023**

**The Fawcett Center**

**The Ohio State University**

**2400 Olentangy River Rd.**

**Columbus, OH 43210**

The Ohio Asphalt Paving Conference is a collaborative effort of state and local government, academia and the asphalt industry to present practical, usable technologies and strategies for the design and construction of asphalt pavements.



## **Ohio Asphalt Expo**

**March 28-29, 2023**

**Columbus/Polaris Hilton Hotel**

**8700 Lyra Dr.**

**Columbus, OH 43240**

The Asphalt Expo is Ohio's premier asphalt pavement event with multiple concurrent educational sessions and an indoor and outdoor trade show and exhibition. If you construct, inspect, manage or maintain local or private transportation infrastructure, the Ohio Asphalt Expo has the information you need to ensure a successful, long-lasting asphalt pavement.

Visit FPO's website at [www.flexiblepavements.org](http://www.flexiblepavements.org) for more information regarding these events.



## **NAPA 2023 Annual Meeting**

**February 5-8, 2023**

**Loews Miami Beach Hotel**

**1601 Collins Ave.**

**Miami Beach, FL 33139**

The National Asphalt Pavement Association (NAPA) Annual Meeting provides the latest tools and insights on the asphalt pavement

# WELCOME NEW MEMBERS

FLEXIBLE PAVEMENTS OF OHIO WOULD LIKE TO WELCOME THE FOLLOWING COMPANIES AS NEW MEMBERS OF THE ASSOCIATION:

## CONTRACTOR MEMBER



### **Bucyrus Road Materials Inc.**

Bucyrus Road Materials is an asphalt producer and contractor located in Bucyrus.

## ASSOCIATE MEMBER



### **Arkema Road Science**

Arkema Road Science is an asphalt additives and emulsifiers

producer supplying a variety of specialty chemicals including asphalt rejuvenators and Warm Mix additives. Arkema Road Science is headquartered in Tulsa, Okla., and has facilities worldwide.



### **CTL Engineering Inc.**

CTL Engineering is a full-service consulting engineering firm that provides environmental, geotechnical, construction services and specialized laboratory testing. Headquartered in Columbus, CTL Engineering has regional offices throughout the Midwest and India.

Please join us in welcoming our new members.



## ADVERTISERS INDEX

Asphalt Materials Inc. ....13	JASA Asphalt Materials/Russell Standard Corp.....13	Ohio CAT ..... 5
BOCA Construction ..... 9	John R. Jurgensen Company ..... 3	SealMaster ..... 11
Columbus Equipment Company ..... IFC	Kokosing Construction Company Inc. ....19	The Shelly Company ..... 3
Ebony Construction Company ..... 9	The McLean Company .....15	Shelly & Sands Inc. .... 5
The Gerken Companies ..... IBC	The McLean Company ..... BC	Southeastern Equipment Company Inc. ....17
Hahn Loeser & Parks LLP .....19	Northstar Asphalt Inc. ....7	Unique Paving Materials Corporation ... IBC



# OVER 60 YEARS OF PERMANENT POTHOLE REPAIR.

## *GUESS THAT MAKES US "THE BOSS".*

UPM® mix outlasts the others—literally. It stays in the repair longer than our competitors. No need to go back again and again to re-repair! **Once and done, we guarantee it!**



**THE GOOD STUFF®**  
Repair Material

The makers of UPM® mix  
**Unique**  
Paving Materials Corp.

800-441-4880

[uniquepavingmaterials.com](http://uniquepavingmaterials.com)

**YOU CAN'T AFFORD  
to buy CHEAP**

# THE GERKEN COMPANIES

Asphalt Paving  
Milling & Grinding  
Asphalt Production  
Decorative Asphalt  
Quality Control  
Traffic Control  
Ready Mix Concrete  
Aggregate  
Trucking  
And More...

**Consistently Delivering Excellence to Northwest Ohio  
and Southeast Michigan For The Past 60 Years.**



[GerkenCompanies.com](http://GerkenCompanies.com)

A WIRTGEN GROUP COMPANY



**WIRTGEN GROUP**



# For your success.

► [www.wirtgen-group.com/technologies](http://www.wirtgen-group.com/technologies)

**ROAD AND MINERAL TECHNOLOGIES.** The WIRTGEN GROUP owes its strength to the excellence of its product brands - WIRTGEN, VÖGELE, HAMM and KLEEMANN - with their unique wealth of experience. Put your trust in the WIRTGEN GROUP.

► Find out more: [www.wirtgen-group.com/america](http://www.wirtgen-group.com/america)

**WIRTGEN AMERICA, INC.** · 6030 Dana Way · Antioch, TN 37013 · Telephone: 615-501-0600

**McClean**



[www.themccleancompany.com](http://www.themccleancompany.com)

6681 Chittenden Road  
Hudson, Ohio 44236  
Phone: (330) 655-5900  
Fax: (330) 655-5969

3155 E. 17th Avenue  
Columbus, Ohio 43219  
Phone: (614) 475-2880  
Fax: (614) 475-0069

8131 Regal Lane  
West Chester, Ohio 45069  
Phone: (513) 777-5556  
Fax: (513) 777-4494