

# OHIO ASPHALT

*The Journal of Ohio's Asphalt Professionals*

ISSUE 2 • VOLUME 20

SUMMER 2023



QUALITY  
PAVING AWARDS

PAGE 16



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*The Journal of Ohio's Asphalt Professionals*

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**ON THE COVER: INSTEAD OF TRAVELING THROUGHOUT OHIO TO EXPERIENCE THE BEST OF THE BEST WHEN IT COMES TO FLEXIBLE PAVEMENTS, SEE ALL 48 OF THE STATE'S BEST QUALITY PAVEMENTS FROM 2022 IN ONE PLACE. SEE PAGE 16.**



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

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## THE PRESIDENT'S PAGE



**ANDREW GALL**

PRESIDENT & EXECUTIVE DIRECTOR

**“The relevancy of asphalt will depend upon our industry’s ability to address and exist in this new regulatory environment ... The asphalt industry must remain focused on these emerging challenges and opportunities. Asphalt pavements must continue to perform by providing both quality and value for the user while complying with these new environmental regulations. At the same time, it is critical that we demonstrate the sustainable aspects of asphalt pavements and educate decisionmakers on how asphalt is the right choice to comply with these emerging federal policies.”**

# Buy Clean: Coming to a Project Near You?

In nearly a dozen states, legislators and policy decisionmakers have instituted “buy clean” regulations, which require state agencies to develop policies to reduce embodied carbon in nearly all aspects of state purchases. On the national level, there has been a growing shift in federal legislation and policymaking to focus on developing programs to reduce carbon emissions.

Although not largely discussed here in Ohio, these policies will likely come to our state as federal programs are developed to address carbon-reduction goals with compliance directly tied by requirement to federal funding for construction projects. The future relevancy of our asphalt industry will likely depend upon our ability to meet these challenges head-on and comply with these new regulatory policies without sacrificing pavement quality or performance.

The Inflation Reduction Act (IRA) passed by Congress in 2022 provides more than \$4 billion to government agencies to incentivize the use of construction materials and implement strategies that result in reduced carbon emissions. These new greenhouse gas regulations may soon impact every facet of highway construction and present new challenges and

opportunities for our industry to demonstrate the many sustainable benefits of asphalt pavements.

Earlier this year, the White House Council on Environmental Quality established a Buy Clean Task Force to coordinate the development and implementation of carbon reduction policies across 17 federal agencies, including the Federal Highway Administration. These agencies have been tasked to create policies impacting 90% of federal-financed construction materials and specifically prioritize certain items such as asphalt pavements. In addition, the U.S. General Services Administration (GSA) recently issued new standards to define “Environmentally Preferable Asphalt.” These standards will require asphalt producers to incorporate at least two environmentally preferable strategies on all GSA-funded projects. These strategies include use of recycled materials, reduced temperature mix production or improved plant and equipment energy efficiency.

Recently, Flexible Pavements of Ohio (FPO) participated in a workshop hosted by the National Asphalt Pavement Association (NAPA) that focused on measuring and ultimately reducing the carbon impact of asphalt





materials (see article on page 30). NAPA has developed an online tool to allow asphalt producers to quantify the environmental impact of their mixes using Environmental Product Declaration (EPD) methodology. This tool will

ultimately assist in providing data-based industry baseline averages that can be used for projects funded by the IRA.



NAPA encourages all asphalt producers, regardless of membership status, to visit its webpage for additional information and to start preparing for these new federal requirements.


The relevancy of asphalt will depend upon our industry's ability to address and exist in this new regulatory environment. FPO has received inquiries from pavement designers seeking information regarding strategies that can be employed in both the design and construction of asphalt pavements with a reduced carbon footprint. These strategies are vital for the future of the industry. Several Ohio producers have also begun to prepare by using NAPA's online tool, experimenting with increased recycled content and reduced production temperatures at their plants.

The asphalt industry must remain focused on these emerging challenges and opportunities. Asphalt pavements must continue to perform by providing both quality and value for the user while complying with these new environmental regulations. At the same time, it is critical that we demonstrate the sustainable aspects of asphalt pavements and educate decisionmakers on how asphalt is the right choice to comply with these emerging federal policies.


FPO's new five-year Strategic Plan (see pages 8 & 9) identifies

environmental and sustainability issues as a key focus item and policy priority for the association. As such, we will continue to be a strong voice for Ohio's industry advocating for asphalt as a quality, superior-performing and sustainable paving material of the present and future.


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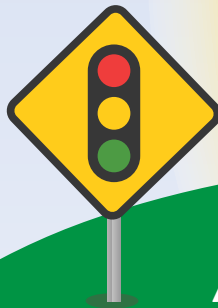
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# OUR ROAD

## KEEPING OHIO MOVING: 2023-2028

### 2023-2028 FLEXIBLE PAVEMENTS OF OHIO STRATEGIC PLAN

The Flexible Pavements of Ohio (FPO) Board of Directors has approved the 2023-2028 Strategic Plan, which outlines the actions the association will take over the next five years to advance and improve Ohio's asphalt industry. A visual interpretation of the plan is provided here. The full plan was provided during the FPO Membership Meeting at the 2023 Ohio Asphalt EXPO and will be mailed to the membership. Please contact FPO for additional information or for copies of the new Strategic Plan.



#### FOCUS ISSUES AND ACTION PRIORITIES



Stakeholder  
Relationships



Revenue  
Advocacy



Quality



Sustainability



Education



#### CORE FUNCTIONS



Stakeholder  
Engagement



Customer  
Support



Industry  
Advocacy



# AND AHEAD

## 2023-2028 STRATEGIC PLAN

### MISSION

Flexible Pavements of Ohio educates, informs and supports members to meet their goals and advance asphalt pavement construction through customer education, industrial technical support, policy advocacy, research and academic activities, and workforce development.

### VISION

Ohio's paved surfaces continue contributing to our state's competitiveness and quality-of-life because of sound public policy, awareness by decision makers of asphalt's advantages, our industry's constant innovation and improvement and a skilled, motivated workforce, because:

1. Policies, regulations, specifications and funding for highway and road construction are rooted in sound, objective, up-to-date data that prioritizes quality, value, safety and sustainability.
2. Customers and policymakers are fully informed about the advantages of asphalt pavement, including its durability, quality and value.
3. Asphalt materials, processes and technology continuously improve, and the industry has the ability to put these improvements to work for the benefit of key stakeholders.
4. Members of the workforce view the asphalt industry as a desirable place for a career and have the training and skills to succeed.

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Ohio Asphalt EXPO

# 2023 EVENT PROVES IT WAS THE PLACE TO BE

*Ohio's Premier Asphalt Pavement Event Returns*



**"Long time no see ...  
What's it been,  
1,462 days?"**

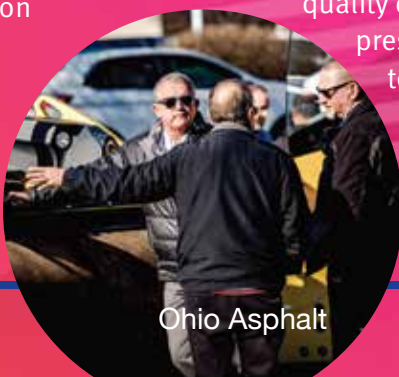
More than four years since last held due to COVID constraints, the Flexible Pavements of Ohio's (FPO) 2023 Ohio Asphalt EXPO served as a re-beginning of an event that over the years had become a calendar-staple-don't-miss event. This year's EXPO – aka: "the state's premier asphalt pavement event" – was held March 28-29 at the Hilton Columbus/Polaris.

The time apart since 2019's last in-person Ohio Asphalt EXPO, in addition to the crowd of nearly 400 asphalt pavement industry

members, transportation and government officials and flexible pavement customers, made name badges a must for the one-and-a-half-day event. As it has since the Ohio Asphalt EXPO's inception, the event provided both a look ahead to industry specifications, topics, materials services and equipment for the 2023 construction season and a celebration of the past year's success of Ohio's asphalt pavement industry.

The return of the Asphalt EXPO marks an important milestone for Ohio's asphalt industry. It serves not only as an educational venue for the latest and most relevant technical information, but also provides long-missing networking opportunities for the industry. In addition, it serves as a platform to recognize both quality construction through the paving awards presentations and the awarding of scholarships to the future of our workforce.

The opening morning's combination of low-50-degree temperatures, opening of the Equipment Exhibition







and Trade Show, reunited crowds at the registration and breakfast hospitality areas, early sessions and FPO Membership Breakfast & Annual Meeting all produced a high-energy atmosphere.

Two early concurrent sessions on Tuesday began the EXPO's offering of nine opening-day seminars. While

National Asphalt Pavement Association (NAPA) Director of Sustainable Pavements

Joseph Shacat filled the role of guide in talking about "Asphalt Industry's Journey to Net Zero," Tim Murphy, P.E. led the examination of "Asphalt Forensics."

As the early-morning sessions were underway, so too was the FPO Membership Breakfast & Annual Meeting.



### FPO Membership Breakfast & Annual Meeting

2022 FPO Chairman Jim Jurgensen II, of Valley Asphalt Corp., presided over the breakfast meeting as the association's newly elected officers were announced as well as FPO's 2023-2028 Strategic Plan.

### 2023-2024 FPO Officers

**Chairman** – Chad Reel, The Shelly Co.

**Co-Chairman** – Colby "Cole" I. Graham, Shelly & Sands Inc.

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

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James "Jim" Jurgensen II, Valley Asphalt Corp.

Rodney Russell, Barrett Paving Materials Inc.

Dean Wikel, Erie Blacktop Inc.

Wikel and Russell were each approved to serve additional three-year terms on the Board. Howard



Wenger, who recently retired from Northstar Asphalt Inc., was acknowledged for his service on the Board and on behalf of the association.

FPO's 2023-2028 Strategic Plan, which was approved by the FPO Board of Directors, provides a roadmap for actions the association will take the next five years in advancing and improving the state's asphalt industry. Attendees at the FPO Membership Meeting received information on the plan, which will be mailed to FPO membership. (A visual interpretation of the 2023-2028 Strategic Plan can be seen on pages 8 & 9.)

As the breakfast meeting was concluding, so were the second pair of concurrent seminars. Murphy led his second session, which detailed "Commercial/Industrial Asphalt Pavements," and Ingevity's Pavement Technologies Product Development Engineer Trey Wurst, P.E., provided insight on the "Four Pillars Approach to Warm Mix Asphalt."



The morning's next sessions served as the proper leadups to the Quality Asphalt Paving Awards, as the seminars provided insight on the how-to of providing smooth quality paving from milling to the final product. Wirtgen America Milling Product Manager Tom Chastain provided tips for the outset of the project with his session on "Milling for Smoothness." Familiar Ohio Asphalt EXPO presenter John Ball III, of Top Quality Paving & Training, led the concurrent session, "Paving for Quality and the End Result."

### Quality Asphalt Paving Awards Luncheon

The next 2 ½ hours served as a celebration of 2022's best asphalt projects in Ohio. In welcoming the audience to the Quality Asphalt Paving Awards Luncheon, Chairman Jurgensen looked around the crowded Polaris Ballroom and said the number of attendees







were proof of the group's and pavement industry's stamina, as he commended all for coming back after being away since the last EXPO. He then introduced Franklin County Engineers Chief Deputy Engineer of Operations Brad Foster, P.E., P.S., to lead the group in the Pledge of Allegiance and provide the lunch's invocation.

The Quality Awards honored 2022 projects for their quality of asphalt materials, mixes, paving and project management. In the 20th year that the Ohio Asphalt Paving Awards have been given, winning projects were announced in the Ohio Department of Transportation Projects, Local Road or Streets, Commercial Parking Facility, Special-Use Pavement, Airport Pavement and Master Craftsman categories.

The criteria used for deciding the Quality Asphalt Paving Awards' 48 winning projects consisted of quality-control data of liquid asphalt content, gradation, density, site reviews and more. The 2022 Quality Award projects are located in 39 Ohio counties and features the work of 10 of the states' top asphalt pavement contractors. (For more information and photos of the 2022 Quality Asphalt Paving Award projects, see page 16.)

At the conclusion of the Quality Asphalt Paving Awards Luncheon, the day's final three sessions were held. The afternoon sessions' topics included "Innovations in Asphalt Materials & Testing," by Phil Blankenship, P.E., of FPO-member Blankenship Asphalt Tech & Training PLLC; Ball's second presentation of the day, "How to Train Your Employees



in the Field"; and "Percent Within Limits (PWL) for Density Acceptance," by co-presenters John Crane, P.E., the executive director of the Asphalt Pavement Association of West Virginia who formerly served as FPO Pavements, Materials & Field Applications Engineer, and Larry Shively, vice president of Quality Control for FPO-member The Shelly Company.



Tuesday's full day of breakout sessions, general events and Equipment Exhibition & Trade Show (see participants, page 14), concluded with the evening's Chairman's Reception & Asphalt Pavers' Celebration! The event featured music, appetizers, drinks, the chance to continue shop talk with attendees, speakers and vendors, along with an opportunity to catch up with acquaintances – because perhaps it had been 1,462 days, or more, since last visiting with one another.



Wednesday began early with the EXPO's final session, "Ohio Department of Transportation Update," and continuation of the Equipment Exhibition & Trade Show. The morning's session was led by ODOT Office of Materials Management's Eric Biehl, P.E., Office of Pavement Engineering's Craig Landefeld, P.E., and Office of Construction's Julie Miller, P.E.



### Scholarship Awards Breakfast

Concluding the 2023 Ohio Asphalt EXPO was the Scholarship Awards Breakfast, headlined by comments from Lt. Gov. Jon Husted and the awarding of 19 scholarships totaling \$95,000.

2023 FPO Chairman Chad Reel, of The Shelly Company, welcomed the morning audience and introduced Ohio's 66th lieutenant governor. Since serving in that capacity since 2019, Lt. Gov.







Husted, has been a leader of the state’s workforce and economic development – making him a prime choice to speak at the Scholarship Awards Breakfast.

Lt. Gov. Husted opened by thanking the association for both inviting him to speak at the event as well as its support throughout his 23 years of serving in the Ohio Legislature, Secretary of State and now as Lieutenant Governor, saying, “I want to thank you for that valued relationship. We have been aligned on one of the most important issues for any state – which is infrastructure.”

In recognizing the 2023-2024 Ohio Asphalt Pavement Industry Scholarship recipients in attendance, Lt. Gov. Husted said, “Congratulations all of you, that’s great, we need young talent in our state.” His comments included insight on what he described as “the pillar foundations for what it takes to be a prosperous state.”

In further directing his comments to the scholarship winners, Husted said, “You are growing up in Ohio at probably as good a time as there has been in the last 100 years. We are creating jobs faster than we might be able to fill them. We’ve had some amazing economic development wins ... We have lots of growing opportunities in our state right now.” (To read more about Lt. Gov. Husted’s comments, see page 15.)

The scholarship recipients for 2023-2024 represent students majoring in either civil engineering or construction management at six universities in Ohio. In its 28th year of supporting students, the Ohio Asphalt Pavement Industry Scholarships Program has also increased awareness of asphalt technology on behalf of the flexible pavements industry and for the benefit of students and academic institutions. With the addition of this year’s 19, \$5,000 one-year scholarships, the program has awarded 554 endowed scholarships totaling \$896,099 since 1995.



Also recognized were recipients of Ohio Asphalt Pavement Industry Scholarships from the 2021-2022 and 2022-2023 academic years when COVID constraints kept students from being recognized at the EXPO.

Reel, a two-time recipient of an Ohio Asphalt Pavement Industry Scholarship, added his thanks for what the scholarship has meant to him, saying, “I can tell you,” as he spoke to this year’s scholarship recipients, “this industry is a great place to work. I know that every company in this room is looking to hire talented individuals like yourselves.”



## EXPO PLANNING COMMITTEE

FPO would like to recognize and thank the members of the Ohio Asphalt EXPO and Annual Meeting Committee.

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# 2023 OHIO ASPHALT EXPO EXHIBITORS & SPONSORS

FPO would like to recognize and thank the companies supporting the 2023 Ohio Asphalt EXPO that participated as an exhibitor or sponsor. The two-day event was made possible by the following companies and individuals:

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## OHIO ASPHALT EXPO 2024

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# LT. GOV. HUSTED THANKS FPO FOR ONGOING PARTNERSHIP ON INFRASTRUCTURE, JOBS & GROWTH

By Scott Milburn, Scott Milburn LLC



**Flexible Pavements of Ohio (FPO) members were fortunate to have Lt. Gov. Jon Husted share thoughts on Ohio's economy, infrastructure and future at the 2023 Ohio Asphalt**

**EXPO in late March. Speaking at the Scholarship Awards Breakfast on March 29, Lt. Gov. Husted thanked attendees for FPO's support throughout his many years of public service and highlighted the critical importance of the industry's work for the future prosperity of the state and nation.**

"We've been aligned on one of the most important issues of any state – the need for high-quality infrastructure," Husted said. "If you want to be a welcoming place for businesses, people, particularly if you're a manufacturing state like we are, you need to have quality infrastructure, and you've all been part of that."

The pillars of economic development, workforce development and innovation combine to make for a prosperous state, and Ohio is well on its way to being "the go-to state ... when somebody looks to do something in the Midwest," the lieutenant governor told the audience.

Husted thanked FPO for voicing key support for the recently enacted transportation budget in Ohio and encouraged the association to promote passage of the next two-year state operating budget in the Ohio General Assembly to help secure \$2.5 billion in site development, including roads, and \$300 million to expand access to Ohio's career centers to develop the workforce needed for years to come. He said the investment will help create spaces for manufacturing growth and buttress a shrinking labor pool to attract well-paying high-tech jobs with companies like Intel and Honda, which are building large new factories in Ohio.

The infrastructure developed and maintained by the transportation construction industry is critical to Ohio's readiness to land more business expansions in the growing "reshoring" effort for a reliable domestic supply chain needed to ensure economic and national security, Husted said.

Husted said FPO's continued support will help Ohio offer the critical infrastructure, skilled workforce and talent for innovation that will keep it among top-rated states for businesses including manufacturing, health care and aviation.

*Scott Milburn, founder of Scott Milburn LLC, Communication Counsel for Senior Leaders, has more than 30 years of experience in government, industry and health care in helping senior leaders and teams create communication strategies. To learn more, visit [www.scottmilburnllc.com](http://www.scottmilburnllc.com) or email him at [scott@scottmilburnllc.com](mailto:scott@scottmilburnllc.com).*



# 2022

QUALITY PAVING AWARDS

## AWARDS PROGRAM HONORS PROJECTS THAT KEPT EYES ON GOAL

*“Obstacles are those frightful things you see when you take your eyes off your goal.”*

– Henry Ford

When it comes to smooth driving, asphalt and automobiles seem to go hand in hand. Henry Ford knew this. So along with being the founder of the Ford Motor Company, Ford was also an early proponent of quality, paved roadways.

In 2022, paving and obstacles also went hand in hand, as asphalt producers and paving contractors faced material shortages, inflation and labor shortages. However, asphalt contractors throughout Ohio put those issues aside, and as Ford referenced, didn't allow obstacles to take their eyes off the goal of providing quality results.

In its efforts to promote asphalt's attributes, Flexible Pavements of Ohio (FPO) keeps a keen eye on quality asphalt projects. For the past 20 years, through its FPO Quality Awards Program, FPO has recognized companies demonstrating exceptional asphalt production and craftsmanship. Quality Award-winning projects from the

2022 construction season, which were announced at the 2023 Ohio Asphalt EXPO in March, were assessed on quality-control test data for each mix used on the project, pavement smoothness, texture of the surface, density and quietness.

Asphalt pavement paving projects are recognized in several Quality Award categories: Ohio Department of Transportation (ODOT) Projects; Local Roads or Streets; Commercial Parking Facilities; Special-Use Pavements; Airport Pavements; and Master Craftsman. In all, 48 projects and the work of 10 companies are showcased.

FPO is pleased to honor these companies and the project owners who chose asphalt. This partnership is the flexible pavement industry's best way to promote asphalt's continued use in the state. Here is a look at Ohio's top asphalt pavement paving projects in 2022:



# ODOT PAVEMENTS



## RESURFACING OF U.S. ROUTE 224 FROM THE CITY OF FINDLAY TO SENECA COUNTY IN HANCOCK COUNTY

ODOT District 1

**PAVING CONTRACTOR:** The Shelly Co.

*ODOT District 1's Mark Brunet and  
The Shelly Company's Tim Oberst*



## RESURFACING OF STATE ROUTE 120 FROM THE STATE OF MICHIGAN TO THE VILLAGE OF LYONS IN FULTON COUNTY

ODOT District 2

**PAVING CONTRACTOR:** Gerken Paving Inc.

*Gerken Paving Inc.'s Jim Shoemaker and Kyle Bostleman and  
ODOT District 2's Douglas Raby*



## RESURFACING OF TALLMADGE ROAD AT THE INTERSTATE 76 INTERCHANGE IN PORTAGE COUNTY

ODOT District 4

**PAVING CONTRACTOR:** Shelly & Sands Inc.

*Shelly & Sands Inc.'s Jim Bronstrup and Ed Duncan and  
ODOT District 4's Joe Schrecengost*



## RESURFACING OF S.R. 269 IN OTTAWA COUNTY

ODOT District 2

**PAVING CONTRACTOR:** Erie Blacktop Inc.

*ODOT District 2's Vince Roberts and  
Erie Blacktop Inc.'s Zachary Walters and Gavin Schaeffer*



## RESURFACING OF I-70 IN LICKING AND MUSKINGUM COUNTIES

ODOT District 5

**PAVING CONTRACTOR:** The Shelly Co.

*The Shelly Company's Joe Bice and Robert St. Clair*



## RESURFACING OF U.S. 23 FROM U.S. 6 TO CYGNET ROAD IN WOOD COUNTY

ODOT District 2

**PAVING CONTRACTOR:** Gerken Paving Inc.

*Gerken Paving Inc.'s Kyle Bostleman and ODOT District 2's Tim Krupp*

# ODOT PAVEMENTS



## RESURFACING OF S.R. 43 IN JEFFERSON COUNTY ODOT District 11

**PAVING CONTRACTOR:** Shelly & Sands Inc.

*ODOT District 11's Preston Kress and Cathy Reighard and  
Shelly & Sands Inc.'s Brian Medley*



## RESURFACING OF S.R. 39 FROM MT. ZION ROAD TO S.R. 603 IN RICHLAND COUNTY

ODOT District 3

**PAVING CONTRACTOR:** Kokosing Construction Co. Inc.

*ODOT District 3's Cassandra Van-Horn and  
Kokosing Construction Co. Inc.'s Todd Kauffman*

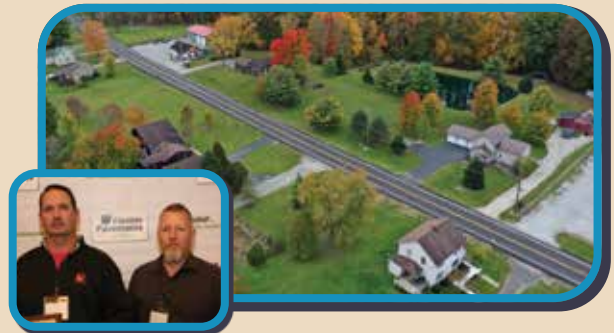


## RESURFACING OF S.R. 55 FROM MIAMI COUNTY TO S.R. 560 IN CHAMPAIGN COUNTY

ODOT District 7

**PAVING CONTRACTOR:** Barrett Paving Materials Inc.

*ODOT District 7's Terence Leslie and Barrett Paving Materials Inc.'s  
Eric Siefker*



## RESURFACING OF S.R. 534 FROM MAHONING COUNTY TO HALLOCK YOUNG ROAD FROM S.R. 82 TO PHALANX MILLS HERNER ROAD FROM U.S. ROUTE 422 TO S.R. 305 & FROM S.R. 87 TO ASHTABULA COUNTY IN TRUMBULL COUNTY

ODOT District 4

**PAVING CONTRACTOR:** Shelly & Sands Inc.

*Shelly & Sands Inc.'s Jim Bronstrup & Marvin Speicher*



## RESURFACING OF U.S. 52 IN LAWRENCE COUNTY ODOT District 9

**PAVING CONTRACTOR:** The Shelly Co.

*The Shelly Co.'s Josh Caldwell*



## RESURFACING OF U.S. 40 FROM FRANKLIN COUNTY TO S.R. 158 IN LICKING COUNTY

ODOT District 5

**PAVING CONTRACTOR:** Kokosing Construction Co. Inc.

*Kokosing Construction Co. Inc.'s Adam McGomery*



# ODOT PAVEMENTS



**RESURFACING OF S.R. 5 IN TRUMBULL COUNTY**  
ODOT District 4  
**PAVING CONTRACTOR:** Shelly & Sands Inc.

*Shelly & Sands Inc.'s Ed Duncan and Frank Donadee and  
ODOT District 4's Daryl Sprague*



**RECONSTRUCTION OF I-71 FROM EAST MAIN STREET TO I-670 IN FRANKLIN COUNTY**  
ODOT District 6  
**PAVING CONTRACTOR:** Kokosing Construction Co. Inc.

*ODOT District 6's John Kesling and  
Kokosing Construction Co. Inc.'s Liz Fakadej*



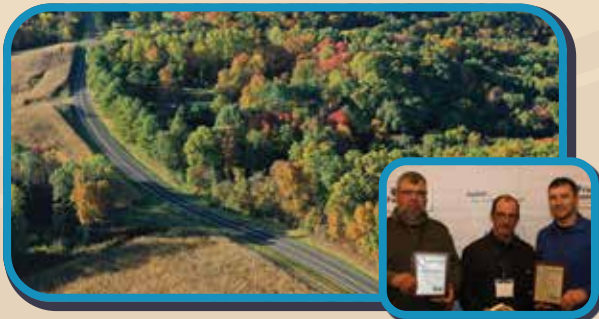
**RESURFACING OF S.R. 7 FROM I-77 TO BROWN LANE IN WASHINGTON COUNTY**  
ODOT District 10  
**PAVING CONTRACTOR:** Shelly & Sands Inc.

*Shelly & Sands Inc.'s Scott Hamm and  
ODOT District 10's Derek Thiemann*



**RESURFACING OF I-71 FROM PFEIFFER ROAD TO FIELDS ERTTEL ROAD IN HAMILTON COUNTY**  
ODOT District 8  
**PAVING CONTRACTOR:** Barrett Paving Materials Inc.

*Barrett Paving Materials Inc.'s Justin Burns and Charlie Woodruff  
and ODOT District 8's Ryan Blake*



**RESURFACING OF S.R. 340 FROM S.R. 821 TO S.R. 146 IN GUERNSEY COUNTY & NOBLE COUNTY**  
ODOT District 10  
**PAVING CONTRACTOR:** Shelly & Sands Inc.

*ODOT District 10's Ray Judson and  
Shelly & Sands Inc.'s Derrick Treadway and Joe Combs*



**CONSTRUCTION OF INTERSECTIONS ON U.S. 35 AT FACTORY ROAD & ORCHARD LANE IN GREENE COUNTY**  
ODOT District 8  
**PAVING CONTRACTOR:** John R. Jurgensen Co.

*John R. Jurgensen Co.'s Mike Ruark*

# ODOT PAVEMENTS



## RESURFACING OF S.R. 104 IN PIKE COUNTY ODOT District 9

**PAVING CONTRACTOR:** Shelly & Sands Inc.

*Shelly & Sands Inc.'s Jimmy Stanley*



## INTERSECTION IMPROVEMENT AT S.R. 32 & BAUER ROAD IN CLERMONT COUNTY

ODOT District 8

**PAVING CONTRACTOR:** Barrett Paving Materials Inc.

*ODOT District 8's Josh Bradford and  
Barrett Paving Materials Inc.'s Charlie Woodruff*



## RESURFACING OF S.R. 147 IN NOBLE COUNTY ODOT District 10

**PAVING CONTRACTOR:** Shelly & Sands Inc.

*ODOT District 10's Scott A. Stritz and  
Shelly & Sands Inc.'s Derrick Treadway*



## RESURFACING OF S.R. 3 FROM ASHLAND COUNTY TO WAYNE COUNTY IN HOLMES COUNTY

ODOT District 11

**PAVING CONTRACTOR:** Kokosing Construction Co. Inc.

*Kokosing Construction Co. Inc.'s Mike Hansford and  
ODOT District 11's Preston Kress*



## RESURFACING OF I-75 FROM I-275 TO TYLERSVILLE ROAD IN HAMILTON COUNTY

ODOT District 8

**PAVING CONTRACTOR:** John R. Jurgensen Co.

*ODOT District 8's Eric Young and  
John R. Jurgensen Co.'s George Roell*



## RESURFACING OF S.R. 258 FROM GUERNSEY COUNTY TO THE VILLAGE OF NEWCOMERSTOWN IN TUSCARAWAS COUNTY

ODOT District 11

**PAVING CONTRACTOR:** Shelly & Sands Inc.

*Shelly & Sands Inc.'s Tom Adams and  
ODOT District 11's Leonard Merryman*



# LOCAL ROADS OR STREETS



## RESURFACING OF COUNTY LINE ROAD FROM DOROTHY LANE TO WILLOW RUN DRIVE IN THE CITY OF KETTERING

City of Kettering

**PAVING CONTRACTOR:** John R. Jurgensen Co.

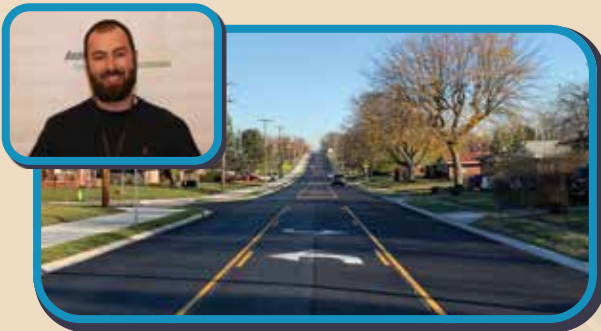
*John R. Jurgensen Co.'s Andy Shaffer*



## RESURFACING OF TECHNOLOGY PARKWAY FROM WAREHAM ROAD TO S.R. 96 IN THE CITY OF SHELBY

City of Shelby

**PAVING CONTRACTOR:** Sarver Paving Co.



## RECONSTRUCTION OF MAPLE AVENUE FROM DAYTON-YELLOW SPRINGS ROAD TO DORIS DRIVE IN THE CITY OF FAIRBORN

City of Fairborn

**PAVING CONTRACTOR:** Barrett Paving Materials Inc.

*Barrett Paving Materials Inc.'s Cole Barney*



## RESURFACING OF TORNADO ROAD IN MEIGS COUNTY

Meigs County Engineer

**PAVING CONTRACTOR:** The Shelly Co.

*The Shelly Co.'s Jeff Barnes*



## RESURFACING OF EAST LINCOLN WAY FROM GEYERS CHAPEL ROAD TO U.S. 30 IN WAYNE COUNTY

Wayne County Engineer

**PAVING CONTRACTOR:** Kokosing Construction Co. Inc.

*Kokosing Construction Co. Inc.'s Don Morrison*



## RESURFACING OF PIQUA-TROY ROAD IN MIAMI COUNTY

Miami County Engineer

**PAVING CONTRACTOR:** John R. Jurgensen Co.

*John R. Jurgensen Co.'s Andy Shaffer*

# LOCAL ROADS OR STREETS

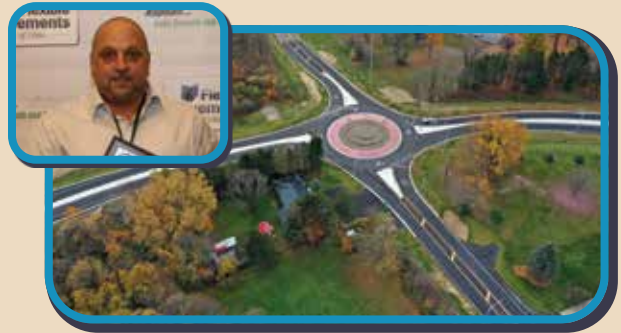


## RESURFACING OF AVERY-MUIRFIELD ROAD FROM TARA HILL DRIVE TO POSE ROAD IN THE CITY OF DUBLIN

City of Dublin

**PAVING CONTRACTOR:** Kokosing Construction Co. Inc.

*City of Dublin's Evan Bell and Brian Gable and Kokosing Construction Co. Inc.'s Adam McGomery*



## CONSTRUCTION OF ROUNDABOUT AT COOK ROAD & ILLINOIS AVENUE IN RICHLAND COUNTY

Richland County Engineer

**PAVING CONTRACTOR:** Shelly & Sands Inc.

*Shelly & Sands Inc.'s Anthony Wood*



## RESURFACING OF ROUND BOTTOM ROAD FROM HAMILTON COUNTY TO U.S. 50 IN CLERMONT COUNTY

Clermont County Engineer

**PAVING CONTRACTOR:** Barrett Paving Materials Inc.

*Barrett Paving Materials Inc.'s Justin Burns*



## RESURFACING OF C.R. 10 FROM C.R. 25 TO C.R. 171 IN COSHOCTON COUNTY

Coshocton County Engineer

**PAVING CONTRACTOR:** The Shelly Co.

*The Shelly Co.'s Adam Prince*

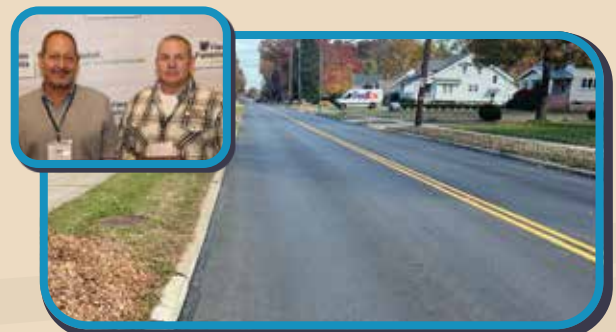


## RESURFACING OF FIVE POINTS PIKE FROM S.R. 56 TO ADKINS ROAD IN PICKAWAY COUNTY

Pickaway County Engineer

**PAVING CONTRACTOR:** Kokosing Construction Co. Inc.

*Pickaway County Engineer's Marcus Cradlebaugh and Kokosing Construction Co. Inc.'s Ryan Davis*



## RESURFACING OF DOVER CENTER ROAD FROM THE CITY OF BAY VILLAGE TO CENTER RIDGE ROAD IN THE CITY OF WESTLAKE

City of Westlake

**PAVING CONTRACTOR:** Specialized Construction Inc.

*Specialized Construction Inc.'s Bob Lanzara and Greg Kacsarik*



# LOCAL ROADS OR STREETS



## RESURFACING OF SHADY LANE FROM FOXTROT DRIVE TO TRIPLECROWN DRIVE IN HAMILTON COUNTY

Hamilton County Engineer

**PAVING CONTRACTOR:** Barrett Paving Materials Inc.

*Barrett Paving Materials Inc.'s Charlie Woodruff*



## RESURFACING OF EAST COOK ROAD FROM WOODVILLE ROAD TO MANSFIELD-WASHINGTON ROAD IN THE CITY OF MANSFIELD

City of Mansfield

**PAVING CONTRACTOR:** Kokosing Construction Co. Inc.

*City of Mansfield's Eli Jordan and Kokosing Construction Co. Inc.'s Joe Edwards*



## RESURFACING OF DRYDEN ROAD IN THE CITY OF MORaine

City of Moraine & ODOT District 7

**PAVING CONTRACTOR:** John R. Jurgensen Co.

*John R. Jurgensen's Andy Shaffer*

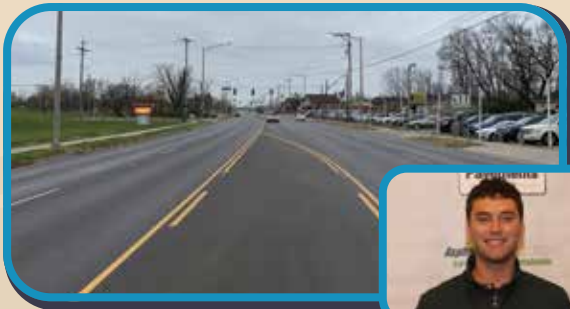


## WIDENING OF HOME ROAD FROM S.R. 23 TO PERRY ROAD IN DELAWARE COUNTY

Delaware County Engineer

**PAVING CONTRACTOR:** The Shelly Co.

*The Shelly Co.'s Drew Carpenter*



## RESURFACING OF DIXIE DRIVE FROM NEEDMORE ROAD TO OME AVENUE IN MONTGOMERY COUNTY

Montgomery County Engineer

**PAVING CONTRACTOR:** Barrett Paving Materials Inc.

*Barrett Paving Materials Inc.'s Drake Riley*



## RESURFACING OF VERNON HEIGHTS BOULEVARD FROM BEXLEY AVENUE TO DELAWARE AVENUE IN THE CITY OF MARION

City of Marion

**PAVING CONTRACTOR:** Kokosing Construction Co. Inc.

*Kokosing Construction Co. Inc.'s Kenny Saunders*

## COMMERCIAL PARKING FACILITY



**CONSTRUCTION OF PARKING LOT AT  
SAM'S CLUB IN THE CITY OF BEAVERCREEK**  
Sam's Club & Moyer Facilities  
**PAVING CONTRACTOR:** Southern Ohio Paving

*Southern Ohio Paving's Mark Purtee and Logan Carpenter*

## SPECIAL-USE PAVEMENT



**RESURFACING OF RUNNING TRACK AT  
BUCYRUS HIGH SCHOOL**  
Bucyrus City Schools  
**PAVING CONTRACTOR:** Erie Blacktop Inc.

*Erie Blacktop Inc.'s Gavin Schaffer and Zachary Walters*

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## AIRPORT PAVEMENTS



### REHABILITATION OF RUNWAY AT GREATER PORTSMOUTH REGIONAL AIRPORT

Scioto County Airport Authority  
**PAVING CONTRACTOR:** The Shelly Co.

*The Shelly Co.'s Josh Caldwell*



### REHABILITATION OF RUNWAY AT GALION MUNICIPAL AIRPORT

City of Galion  
**PAVING CONTRACTOR:** Shelly & Sands Inc.

*Shelly & Sands Inc.'s Anthony Wood*



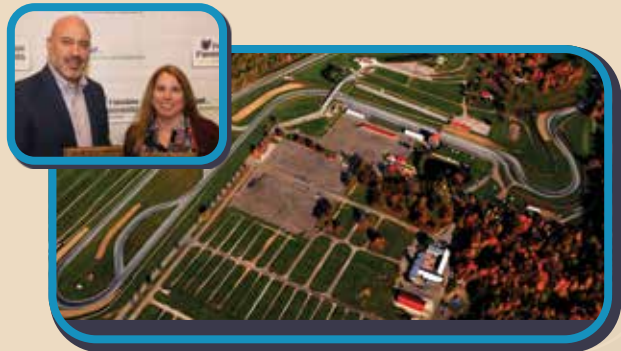
### REHABILITATION OF RUNWAY AT PICKAWAY COUNTY AIRPORT

Pickaway County Airport & Brandstetter Carroll Inc.  
**PAVING CONTRACTOR:** Kokosing Construction Co. Inc.

*Pickaway County Airport's Tim Wilson and  
Kokosing Construction Co. Inc.'s Mike Morrison*

## MASTER CRAFTSMAN

This honor is presented to the contractor whose work has stood the test of time when it comes to quality asphalt pavement construction. Eligible pavement surfaces for a Master Craftsman Paving Award must exhibit a minimum service life of 15 years, remain in service, or has been resurfaced in 2022 and maintains an acceptable level of service.



### RECONSTRUCTION OF RACEWAY AT MID-OHIO SPORTS CAR COURSE

*Providing 20 years of Exemplary Pavement Performance*  
Mid-Ohio Sports Car Course & Green Savoree  
Racing Promotions

**PAVING CONTRACTOR:** KOKOSING CONSTRUCTION CO. INC.

*Kokosing Construction Co. Inc.'s Bart Moody and Amy Volz*



# NAPA 2022 QIC AWARDS

In addition to the nearly 50 asphalt pavement projects celebrated in the FPO Quality Awards Program, the National Asphalt Pavement Association (NAPA) recognized six Ohio asphalt pavement contractors for their work in 2022 by awarding them Quality in Construction (QIC) awards.

Ohio's nearly 40 NAPA QIC Award-winning projects were among the nearly 300 nationwide judged to be examples of top asphalt roadbuilding and rehabilitation projects for 2022.

Here is a list of Ohio's NAPA QIC Award-winning companies and projects:

## AIRPORT PAVEMENTS

### **KOKOSING CONSTRUCTION CO, INC.**

Pickaway County Airport Runway Rehabilitation,  
Circleville

### **THE SHELLEY CO., A CRH CO.**

Greater Portsmouth Regional Airport Runway,  
Portsmouth

## GENERAL PAVEMENTS

*Under 50,000 Tons*

### **JOHN R. JURGENSEN CO.**

U.S. Route 35 in Greene County  
Dryden Road North in Moraine

### **KOKOSING CONSTRUCTION CO. INC.**

Various roads in Columbus

### **SHELLY & SANDS INC. - ZANESVILLE**

State Route 340 in Noble & Morgan counties  
S.R. 104 in Piketon  
S.R. 534 in Trumbull County  
U.S. 32 in Jackson County  
S.R. 43 in Jefferson County  
Cook Road Roundabout in Richland County

### **THE SHELLEY CO., A CRH CO. - THORNVILLE:**

Dutch Lane Road in Licking County  
Hocking Hills State Park entrance in Logan  
Lake Road in Fairfield County  
County Road 10 in Coshocton County  
S.R. 93 in West Lafayette  
Winnemac Road in Union County  
Tornado Road in Meigs County  
Home Road in Powell  
Various roads in Mount Orab  
U.S. 23 and S.R. 73 in Portsmouth  
S.R. 218 & S.R. 233 in Gallia County  
U.S. 52 in South Point  
I-70 in Thornville

### **THE SHELLEY CO., A CRH CO. - TWINSBURG**

S.R. 170 in East Palestine  
C.R. 17 in Village of Richland  
S.R. 30 in Minerva  
I-480 in Summit County

## GENERAL PAVEMENTS

*Over 50,000 Tons*

### **JOHN R. JURGENSEN CO.**

I-75 in Hamilton County

### **KOKOSING CONSTRUCTION CO. INC.**

U.S. 40 in Licking County

### **THE SHELLEY CO., A CRH CO. - THORNVILLE**

Ohio Turnpike in Ottawa County

### **THE SHELLEY CO., A CRH CO. - TWINSBURG**

Warehouse Parking Lot in Canton  
S.R. 800 & S.R. 212 in various counties

## LARRY H. LEMON AWARD

*Top Asphalt Pavements Under 50,000 Tons*

### **GERKEN PAVING INC.**

Michigan S.R. 50, Adrian

### **SHELLY & SANDS INC. - ZANESVILLE**

S.R. 7 in Washington County  
S.R. 147 in Noble County  
S.R. 258 in Newcomerstown  
S.R. 5 in Trumbull County







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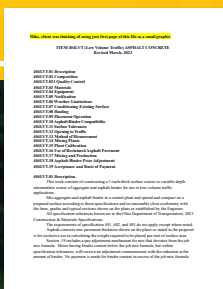
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# 404LVT Optimized for Performance on Low-Volume Roadways



In March, Dr. Ala R. Abbas, from the University of Akron, presented the results of an ORIL (Ohio's Research Initiative for Locals) project titled

## Optimizing the Performance of Item 404 – Low-Volume Traffic Mixes.

The objectives of this research were to:

- 1 Examine the effect of different mix design factors (such as asphalt binder type, asphalt binder content, coarse aggregate type, fine-aggregate type and RAP content) on the performance and durability of 404LVT mixes
- 2 Improve the performance of 404LVT mixes with regard to long-term cracking due to environmental conditions
- 3 Recommend changes to the 2015 404LVT specifications to make the mix more cost-effective without compromising its performance

As part of this project, Dr. Abbas reviewed the history and development of the current Flexible Pavements of Ohio (FPO) 404LVT specification; visited existing projects to evaluate performance; and then proceeded to blend and test numerous mix variations to optimize

the performance of this mix for light traffic or low-volume roadway applications.

Performance testing of asphalt can involve a variety of tests encompassing various diverse performance characteristics depending upon climate, traffic loading and other factors. However, the two most-common performance tests are cracking and rut resistance. For low-volume roadways, with minimal truck traffic, cracking tests are paramount. Using balanced mix design principles, Dr. Abbas proceeded to test a multitude of mix variations with the intent of optimizing the existing specification to be resistant to cracking primarily without being excessively subject to rutting.

After a rigorous testing program, Dr. Abbas recommended the following changes to improve/optimize 404LVT for performance:

- 1 Binder Type: Use PG 58-28 for improved resistance to low temperature and fatigue cracking, i.e., eliminate PG 64-22 option from existing specification
- 2 Binder Content: Retain current total binder content of 6.8% for limestone aggregate, 6.6% for gravel and 6.7% when using limestone/gravel blends – but limit truck traffic to < 100 trucks per day when using 404LVT



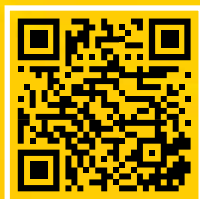
**3** Coarse Aggregate Type: Consider using limestone coarse aggregate, when available, for improved performance in terms of raveling and transverse cracking

**4** Fine Aggregate: Use manufactured limestone or slag sand in addition to natural sand to improve resistance to fatigue cracking and rutting.

**5** RAP Content: Maximum allowable RAP is 20% for Method 1 and 25% for Method 2 RAP.

**6** Aggregate Gradation: Minor changes to aggregate gradations were made to make the mix finer.

**7** The Optimized 404LVT specification can be found on the FPO website at [www.flexiblepavements.org/404lvt](http://www.flexiblepavements.org/404lvt) or using this QR:



So ... for county, township, village and other municipal roads with less than 100 trucks per day, the new optimized 404LVT specification may be an ideal mix specifically designed/optimized for low-volume/light-traffic applications. If your existing pavement has cracks that are too small for crack sealing or raveled, creating rough or reduced surface friction, or chip sealed surfaces that have lost aggregate, our Optimized 404LVT may be the

perfect mix to provide a pavement surface that remains functional, smooth and pleasing in appearance for many years.

If structural treatment is needed. Consider pairing



Optimized 404LVT with FPO's fatigue-resistant intermediate course 402LVT for a cost-effective long-term treatment. Both specifications can be found at [www.flexiblepavements.org](http://www.flexiblepavements.org) or by using this QR code.

**0 A**



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# FPO Representing the Industry



*FPO members discuss the importance of the federal transportation program with members of Ohio's U.S. congressional delegation.*

## Transportation Construction Coalition Fly-in

Flexible Pavements of Ohio (FPO) joined transportation stakeholders for the 2023 Transportation Construction Coalition's (TCC) Washington, D.C. Fly-in, May 16-17.

The TCC Fly-In brought contractors from across the country together for special presentations from leading members of U.S. Congress on important current and pending legislation of

impact to the industry. Permitting reform and the bipartisanship behind infrastructure investment were major topics of the event.

The TCC provided opportunities for in-person meetings with members of Ohio's congressional delegation to discuss issues of importance to the construction industry. The Ohio coalition included FPO-member companies The Shelly Company, Kokosing Construction Co. Inc., Gerken Paving Inc., Ebony Construction Co., Shelly and Sands Inc. and representatives from the Ohio Contractors Association and its members. In addition to industry representation, the Montgomery County Engineer's Office joined the efforts.

The Ohio coalition hosted an open house and met with members of Ohio's congressional delegation and their senior staff throughout the morning reception. The coalition expressed appreciation for the passage of the Bipartisan Infrastructure Law and articulated support to ensure the transportation priorities outlined in the legislation are implemented.



## National Environmental Product Declaration Workshop

FPO joined representatives of State Asphalt Pavement Associations and the Asphalt Pavement Alliance for a day-long Environmental Product

Declaration Workshop on May 18. This event was hosted by the National Asphalt Pavement Association (NAPA) in Greenbelt, Md., and focused on creating a greater understanding of what an Environmental Product Declaration (EPD) is and how one can be developed for asphalt mixtures using the Emerald Eco-Label software.

An EPD is an environmental label as defined by the International Organization for Standardization (ISO). EPDs identify the environmental impacts of a given product or material by quantifying the potential emissions associated with its production. Certified EPDs ensure consistent data collection and analysis and conform to reporting requirements supported by independent, third-party verification to ensure the reliability of the information.

NAPA's Emerald Eco-Label is a verified online EPD tool permitting asphalt producers to quantify the environmental impact of asphalt mix produced at their facility. Created by industry professionals and evaluated by sustainability experts, the Emerald Eco-Label EPD tool conforms with relevant ISO standards and the specific rules established for asphalt mixtures.

The Emerald Eco-label EPD program was created to provide comprehensive and credible environmental data to allow pavement owners and decisionmakers to make informed comparisons among asphalt mixtures with the goal of improving the environmental impact of pavements. Go to <https://asphaltep.org/> for additional information regarding EDP's and NAPA's Emerald Eco-label program.



*Representatives from the State Asphalt Pavement Associations at the Environmental Product Declaration Workshop.*







# NEW MEMBER WELCOME

Flexible Pavements  
of Ohio would  
like to welcome the  
following companies  
as new members of  
the association:

## CONTRACTOR MEMBER



### **The Vallejo Co.**

The Vallejo Company is a multi-service roadway and utility contractor servicing the Northeast Ohio area. A State of Ohio-certified Women-Owned Business Enterprise, The Vallejo Co. is headquartered in Cleveland.

## ASSOCIATE MEMBER



### **Alta Equipment Co.**

Alta Equipment Co. is a dealer of new, used and rental construction equipment and parts with locations throughout the Midwest, Northeast and Florida.



### **Kinetrex Energy, a Kinder Morgan Co.**

Kinetrex Energy is an energy provider specializing in landfill-derived Renewal Natural Gas and Liquid Natural Gas. Kinetrex is headquartered in Indianapolis and has facilities throughout the state.



### **Pavement Technology Inc.**

Pavement Technology Inc. (PTI) is a manufacturer of sampling and testing equipment for the asphalt and aggregate industries. Located in Covington, Ga., PTI supplies equipment and support service throughout the United States.

Please join us in welcoming our new members.

OA

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# Mark Your Calendars

**Level 2 Asphalt Quality Control Technician Training**  
**July 11-13, 2023**  
**Ohio University Lancaster Campus**  
**1570 Granville Pike**  
**Herrold Hall, Room 215 B**  
**Lancaster, OH 43130**

Flexible Pavements of Ohio (FPO) offers this training course to prepare individuals having basic lab familiarity to take the Ohio Department of Transportation (ODOT) Level 2 Asphalt Technician Exam. After the training, students will have the opportunity to take the ODOT written examination for Level 2 Asphalt Concrete Technician approval.

**Comprehensive Asphalt Mix Design School**  
**August 14-18, 2023**  
**Ohio University Lancaster Campus**  
**1570 Granville Pike**  
**Herrold Hall, Room 215 B**  
**Lancaster, OH 43130**

This course meets the requirements for ODOT HT.306, Asphalt Level 3 training. It is designed to give the participants a working knowledge of the principles associated with asphalt concrete volumetric mix design. On the final day of the course, students will have the opportunity to take the ODOT examination for Level 3 Asphalt Concrete Technician approval.



**Ohio Transportation Engineering Conference**  
**October 17-18, 2023**  
**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.



**Ohio Asphalt Paving Conference**  
**February 7, 2024**  
**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 12-13, 2024**  
**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.







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