



# FLEXIBLE PAVEMENTS OF OHIO SCHOLARSHIP PROGRAM

IMPACT REPORT 2017





### **Who is Flexible Pavements of Ohio?**

Flexible Pavements of Ohio (FPO) is an association representing the interests of the asphalt paving industry in the state of Ohio to federal, state and local governments, private industry and other construction organizations. FPO supports active educational, technical and outreach programs designed to improve and advance quality asphalt construction.

# An Investment in Our Industry's Future

Over the past two decades, the **Flexible Pavements of Ohio (FPO) Asphalt Industry Scholarship Program** has awarded more than a half-million dollars to more than 400 deserving students from many of Ohio's major universities and colleges.

In addition to the significant financial support it provides for our next generation of leaders, the FPO program has helped to increase awareness of asphalt pavement technologies in and around those schools'

civil engineering, construction management and construction engineering curricula.

It has consistently provided both our scholarship recipients and their classmates in Ohio with greater opportunities for gaining exposure to and practical experience with an underrepresented area of study, as well as a means of developing professional contacts to aid in their careers.



**598K**  
DOLLARS



**448**  
STUDENTS



**1**  
VISION



## How Does The Program Work?

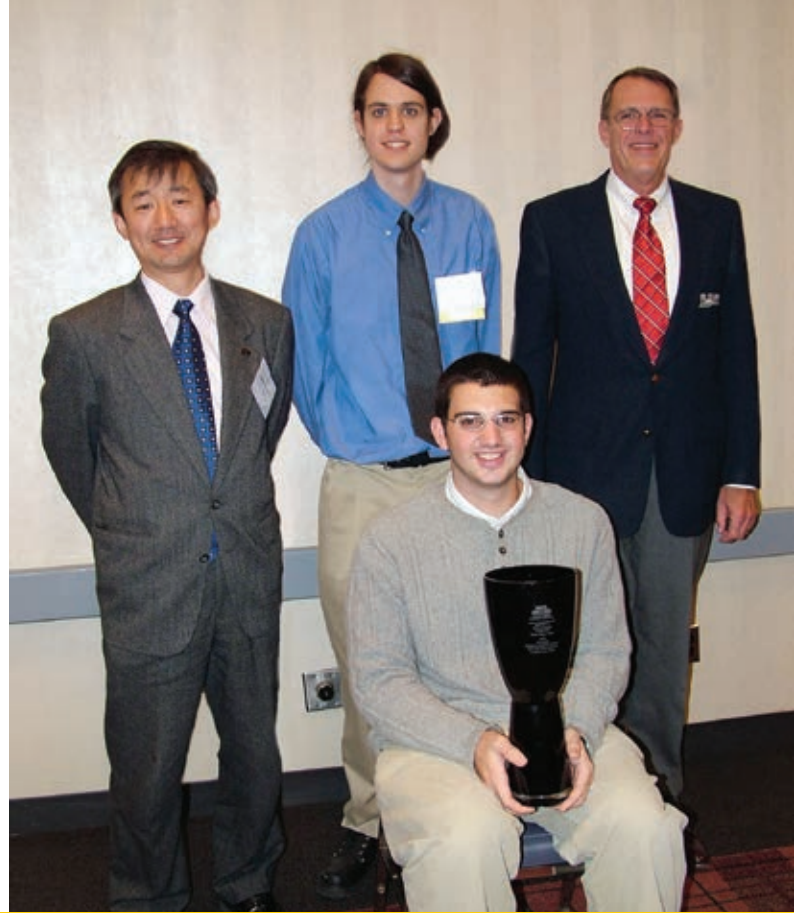
To be eligible for an FPO Asphalt Pavement Industry Scholarship, sophomore and junior class students must be working toward a civil engineering, construction management or construction engineering degree at a university in Ohio that offers an accepted course in asphalt pavement technology. Graduate students studying and/or researching asphalt pavement technology may also be eligible.

Recipients of the scholarships ranging from \$1,000 to \$1,500 are selected competitively from the applicants and must agree to take the required course in asphalt technology before graduation. Students may be awarded a scholarship for up to two years.

## A Unique Educational Experience

In a recent survey of past scholarship recipients conducted by Flexible Pavements, the respondents from throughout the program's history rated the asphalt technology coursework as one of their best college learning experiences.

Unlike many of students' other program requirements, which are heavy on theory, the asphalt courses have offered hands-on experience with materials and techniques – often in both the classroom and in the field.



**12**  
SCHOOLS

**+100**  
COURSES

## THE ASPHALT MIX DESIGN COMPETITION

To complement the scholarship program, FPO conducted an annual asphalt mix design competition from 1997 to 2009, with teams sponsored by their universities. The high point of the competition was achieved in 2005, when the team from Ohio University, consisting of Jonathan Kovach, Brett Mann and Yun Liao (pictured above with Fred Frecker, Past President, FPO), and mentored by Dr. Sang-Soo Kim, won both the Ohio and National competitions.

**1997-  
2009**

It's a dimension of their overall education experience that these students found particularly valuable.

Even for those who intended to work outside of construction management said the coursework rounded out their perspective and provided insight into important areas they hadn't had much previous exposure to.

All of the respondents agreed that more courses like the Asphalt Technology Course are needed and should be offered in these programs.

## Access to Internships and Co-op Programs

The practical nature of course content and students' ability to work directly with different mix recipes and techniques has also been a help in searching for and securing internships.

Those respondents who participated in internships that involved pavement construction or rehabilitation felt more prepared and more able to contribute as a result of the coursework. They attributed this directly to the asphalt class content and experience.

## A Statewide Partnership That Benefits All Ohio Motorists

A priority of Flexible Pavements of Ohio's long-range strategic planning has always been working with the educational institutions throughout the state to raise awareness for the role that asphalt plays in quality pavement construction and maintenance and to promote asphalt research.

Over the past two decades, the number of schools in the state offering coursework in asphalt technology and methods has risen steadily and dramatically.

As of 2017, more than 12 Ohio universities and colleges have incorporated asphalt classes in their curricula, helping students gain valuable insight into construction practices and mix designs. Each of these schools has had students receive scholarships from the annual FPO Scholarship Program.

But even beyond these important aspects, the work among our collective organizations has led to a strong and growing partnership that continues to provide far-reaching benefits for all Ohio motorists.

Cooperative initiatives – like those with **The Ohio Research Institute for Transportation and the Environment (ORITE)** and **The Advanced Asphalt Research Laboratory (AARL)** in Ohio University's Russ College of Engineering and Technology – have led to bringing together some of the brightest minds to help solve Ohio's infrastructure challenges and promote more sustainable construction practices.

### Which Schools Participate?

Awards have been made to qualifying students selected from applicants at the following participating institutions:

- Bowling Green State University
- Case Western Reserve University
- Ohio Northern University
- The Ohio State University
- Ohio University
- University of Akron
- University of Cincinnati
- University of Dayton
- University of Toledo
- Youngstown State University

**"The asphalt technology coursework provided a skill set other classes just can't give you."**

**BENJAMIN JORDAN, M.S., P.E.**

Research Engineer, Ohio University  
Russ College of Engineering and Technology

*FPO Scholarship Recipient, 2011-2012*



## An Opportunity to Get Involved and Stay Involved in Our Industry

The FPO Scholarship Program offers another key benefit unique to this particular initiative, which is the full support and deep commitment of Ohio's asphalt industry.

Most recipients, as a result of the award, have had opportunities to network with key people in the industry and begin to build contacts that have served them well throughout their careers.

Several of the schools have brought in industry experts as speakers in their courses, as well as organize field trips to area construction jobsites and asphalt plants.

Many of the past recipients stated that they still maintain connections with the Flexible Pavements staff and other industry executives and find it to be a valuable resource in their jobs.

10

SPONSORING  
ORGANIZATIONS

87

PARTICIPATING  
MEMBERS

1

PROGRAM

1

EXPERIENCE

### Who Are the Industry Sponsors?

The FPO Asphalt Pavement Industry Scholarship is one of the organization's most popular programs with support coming from all across the industry, including the following companies and individuals. An asterisk (\*) indicates contributions of \$50,000 or more.

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



"There is a lot of opportunity for students in this industry. The FPO program does a good job of building awareness for asphalt pavement construction."

**DONALD CASH**

General Superintendent, Civil Engineer at Barrett Paving & Materials, Inc.

*FPO Scholarship Recipient, 1997-1998*

## FPO Scholarship Distribution by Ohio Universities and Colleges, 1996-2017

Year	Total	OSU	OU	UC	ONU	UT	UA	UD	YSU	BGSU	CWR	RSC	CSTCC
1996	9	1	2	2		2		2					
1997	13	2	2	2		1		3	2				1
1998	18	2	3	5		1			4	2		1	
1999	12	5	1		2				2	2			
2000	27	7	5	5	4	4				2			
2001	28	7	8	5	1	4	1		1	1			
2002	26	9	4	2		4	3		3	1			
2003	19	3	4	2	2	3		2	1	2			
2004	17	1	8	2	2	1	1			2			
2005	26	3	8	8	5	1	1						
2006	26	5	6	8	2	2	3						
2007	20	3	3		2	2	6	3		1			
2008	26	4	3	3	6	1	9						
2009	20	4	5		3		7			1			
2010	27	4	3	1	7		12						
2011	25	5	4		3	1	11			1			
2012	16	3	2	3	1	1	5			1			
2013	17	2	3	5			6			1			
2014	19	8	3		1	3	2	1		1			
2015	17	6	3			2	3	2			1		
2016	19	5	7	1		1	1	4					
2017	21	4	2	3		1	6	4			1		
<b>Number</b>	448	93	89	57	41	35	77	21	13	18	2	1	1
<b>Amount</b>		\$130,000	\$118,366	\$77,000	\$46,200	\$49,100	\$97,700	\$30,900	\$18,300	\$24,300	\$3,500	\$1,500	\$1,500

**OSU** The Ohio State University  
**OU** Ohio University  
**UC** University of Cincinnati  
**ONU** Ohio Northern University

**UT** University of Toledo  
**UA** University of Akron  
**UD** University of Dayton  
**YSU** Youngstown State University

**BGSU** Bowling Green State University  
**CWR** Case Western Reserve  
**RSU** Rhodes State College  
**CSTCC** Cincinnati State Technical and Community College



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