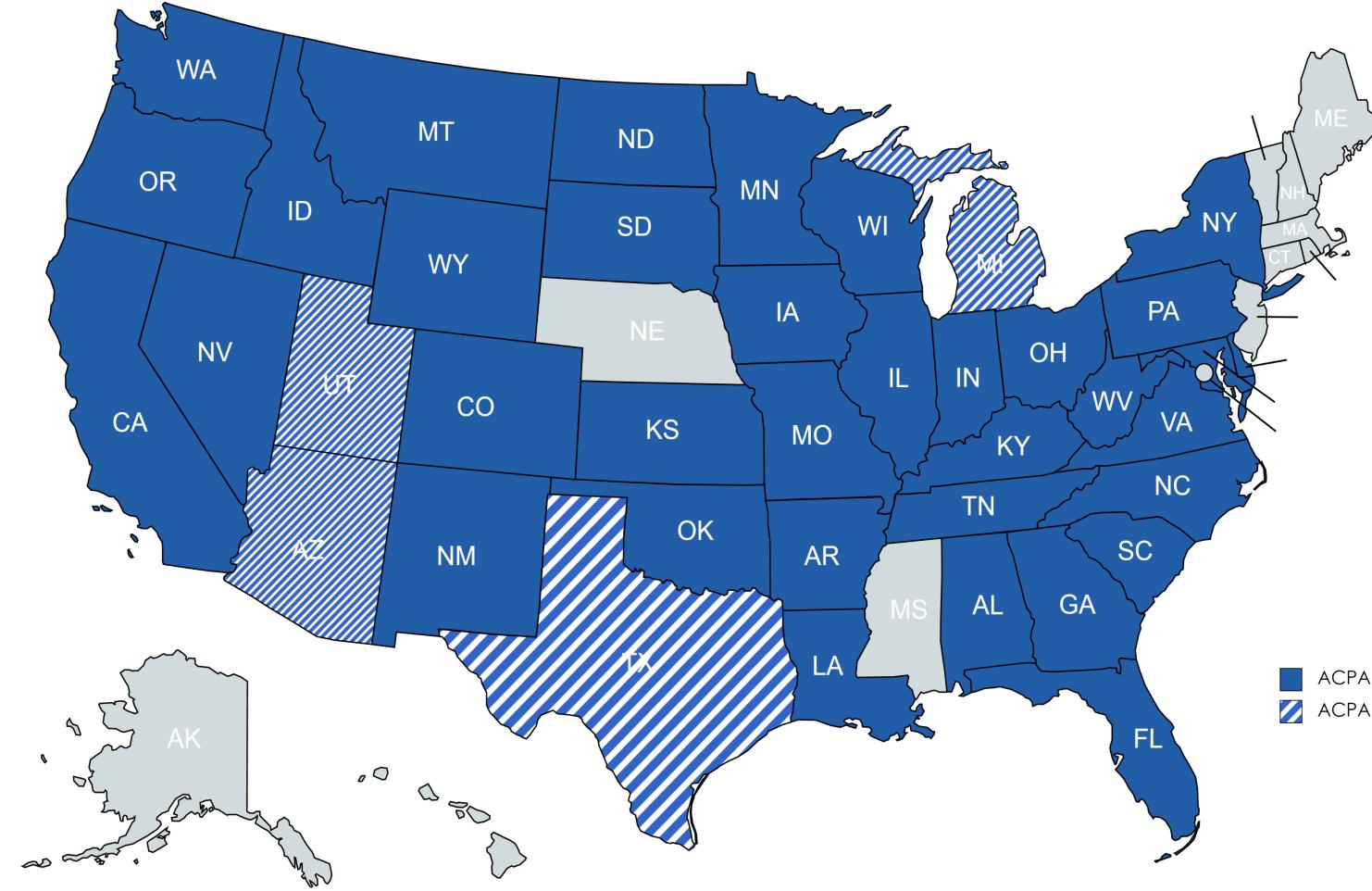
### November 16, 2022







### Across the United States – Who is ACPA?



- 200+ Contractor Members
- 14 Cement Companies •
- 60+ Equipment, etc. •
- Federation of ~ 20 Chapters
- Team of Civil Engineers

ACPA Affiliated Chapter ACPA Members in State





### Who Are We – ACPA National Team



**GARY MITCHELL, P.E.** VP - CHIEF OF ENGINEERING AND CONSTRUCTION



ERIC FERREBEE, P.E., SENIOR DIRECTOR OF **TECHNICAL SERVICES** 





**DOMINIC GATTI** COMMS AND GOVERNMENT AFFAIRS MANAGER



**AMBER DAVIS** ADMINISTRATIVE AND EVENTS COORDINATOR





**ANDY GIERALTOWSKI** CHIEF OPERATING OFFICER



LARRY SCOFIELD, P.E. PAVEMENT INNOVATION (SHARED W/ IGGA)



TIM MARTIN, P.E. SENIOR VICE PRESIDENT OF ENGINEERING

**CHRISSY MYSKO** MARKETING/COMMUNICATIONS COORDINATOR



**ANNA MCMULLEN** DIRECTOR OF MEMBERSHIP AND CHAPTER RELATIONS



**VAL KILMENT** ACCOUNTING ASSISTANT





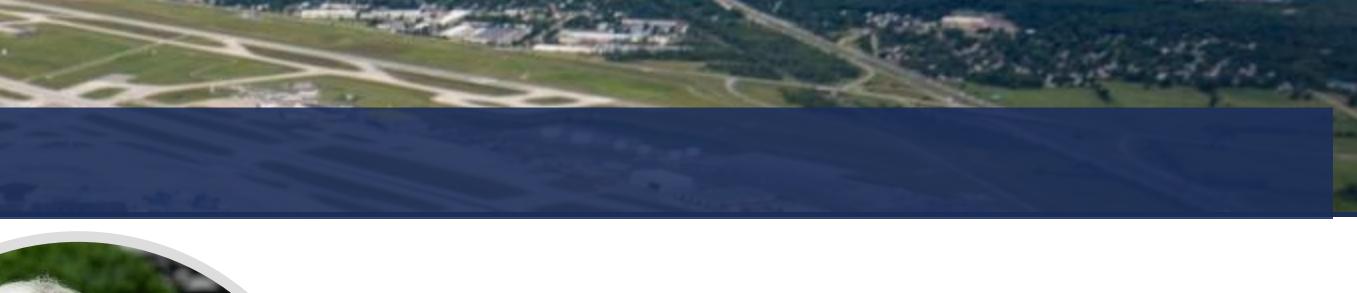
### Who Are We – Our CEO



UNIVERSITY OF MIAMI SCHOOL of LAW



















### Where ACPA is heading: ACPA's Vision and Mission

ACPA's mission is to develop and protect concrete pavement markets through education, advocacy, marketing, and industry technical leadership.

ACPA's vision is for concrete to be the pavement material of choice, benefitting communities and society within US, state, and local economies.

ACPA is the only national trade association dedicated solely to concrete pavement







### Implementing our Strategic Plan

ACPA's Strategic Plan calls for improved marketing efforts and stronger communication strategy:

- Increase understanding the role concrete pavement plays in sustainability and resiliency
- Increase understanding that concrete pavement is a critical long-term solution to **environmental needs**
- Increase the understanding of the impact of low-bid contracts on **sustainability** and workforce

**ACPA Chapters** name marketing and communication for promotion support as number one need from ACPA



### Why Do We Care - 2022 Mid-Term Elections

- **No Red Wave**
- **Close political margins House R's, Senate D's + Runoff** 
  - Neither party has a mandate •
- What does this mean for infrastructure funding?
  - Potentially a positive but watch Appropriations
  - Investigatory Oversight = Inflation, Environmental Issues
- Sizable Gen. Z turnout
  - Profile of Gen. Z as a voter
  - Sustainability, Resiliency, and Equity here to stay •



### **Federal Funding**

### Fiscal Year 2022

- \$45.1 B in total paving-relevant formula highway spending
- \$5.66 B in total paving-eligible competitive grants
- \$823.6 M in paving-relevant formula highway funding for Arizona
- \$69.5 M in Airport Improvement Program for Arizona

### **Government Operating Under Continuing Resolution Until Dec 16** Includes emergency funding for hurricane and wildfire victims

### **Fiscal Year 2023**

- \$45.9 B in total paving-relevant formula highway spending
- \$5.72 B in total paving-eligible competitive grants
- \$840.1 M in paving-relevant formula highway funding for Arizona
- \$2.8 B subject to appropriations that Arizona can compete for







### Federal Funding – Competitive Grant Opportunities

### **Going Beyond Core Highway Formula Funding Programs**

- The IIJA funds numerous competitive grants including INFRA, RAISE, Mega, Port Infrastructure Development Program, FLTP, Rural, PROTECT discretionary, and Healthy Streets.
- Additional competitive grant opportunities are available such as FHWA's Climate Challenge, Thriving Communities Program, SMART, and Accelerated Innovation Deployment.
- ACPA is monitoring grant opportunities and helping Chapters work with states and localities to take advantage of available funds.







### **Generation Z Voters**

### Sustainability, Climate Change Concern, DEI Issues here to stay...

- 1 in 8 voters Gen Z
- Diverse voter demographic
  - 48% Gen Z voters of color
  - More likely to embrace DEI & LGBTQ issues
- More likely to look to government to solve problems
  - Believe global warming caused by human activity
  - Learned from debt lessons of millennials, but still motivated by social issues

*"Gen Z power is only"* growing, and it will permanently change the dynamics of our elections. They comprise <u>10% of</u> eligible voters already, a share that will increase with each passing day as more age into the electorate."

- Time Magazine







### **Concrete Paving Relevant Material for the Future**

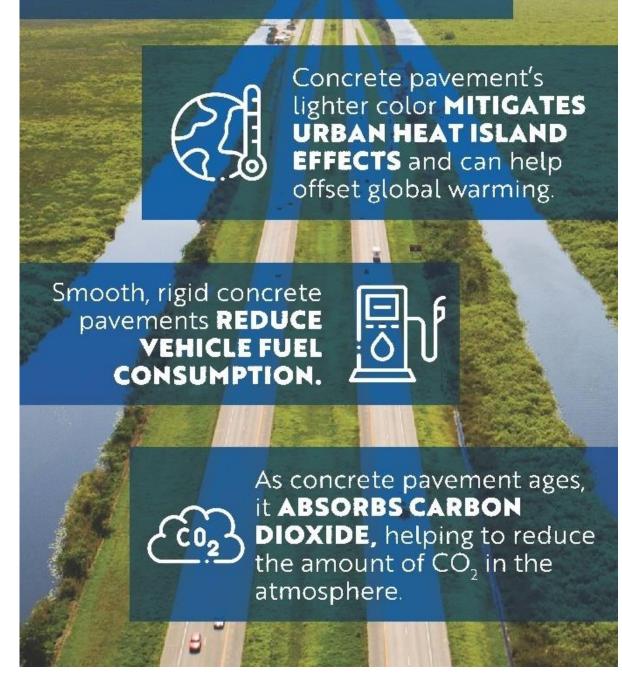
### Strong case to be made for concrete paving

- Look at entire life cycle
  - Use phase, > fuel consumption
  - Aging concrete absorbs carbon
- PCA Roadmap to Carbon Neutrality
- Long-life Pavements 50, 75, 100 years
- Lowering Temperatures, reduces heat islands
- Resiliency
- Overlays, strong option

### **CONCRETE:** THE SUSTAINABLE **PAVEMENT SOLUTION**

With a LONG LIFE OF 30 OR **MORE YEARS** with minimal maintenance, concrete pavements are economically sustainable and cost efficient









### **Sustainability Whitepaper**

- Outlines ACPA's case for concrete paving
- Will be released December
  1, 2022 ACPA's Annual
  Meeting
- Builds on PCA's Roadmap to Carbon Neutrality
- Will address EPDs,
  Relationship to Resiliency



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### Story at a glance

Discarded "single use" face masks pose a massive environmental challenge.

Several studies have demonstrated the feasibility of recycling these plastic-rich products inter-

But the extent to which private industries will incorporate sustainable changes remains to be

One of the many failouts from the COVID-19 pandemic was the sheer volume of plastic medical

In 2021, researchers <u>found</u> that of the 8 million tons of plastic waste created during the pandemic, most ended up in the ocean, with the United States and China being the main perpetrators.

Furthermore, additional data estimated over 1.5 billion face masks ended up in the ocean in 20 alone, endancering both wildFile and marine ecosystems.

While some conscientious consumers hoped to avoid creating excess waste by donning cloth masks, the Centers for Disease Control and Prevention has <u>since proclaimed</u> these release effective at



.: material. Anything you put in ... won't leach out at any significant is

pens to be the second most used material in the world among humans behind water. Each e annually, thanks to roads, buildings, bridges and other infrastructure.

In the process is technically feasible, "how to incentivize the private sector to invest in such technologies in explained.

passage of President Biden's Infrastructure Investment and Jobs Act (ILIA), which provides \$550 billion in new infrastructure Inding, might provide some opportunities. The law specifically calls for increased action ensuring "energy efficiency of the production of paving materials and the ability of paving materials to enhance the environment and promote sustainability."

Cement is an ingredient of concrete, widely used for road construction and paving. A report from the American Concrete Pavement Association (ACPA) on the IIJA notes "the legislation authorizes \$304 billion to the Highway Trust Fund for roads and bridges over five years with approximately \$100 billion in new spending for roadways specifically."

"One key initiative to ensure the sustainability of concrete pavement is to reduce the [carbon dioxide] emissions of cement. Representing manufacturers of the most widely used cement type, Portland cement, the Portland Cement Association (PCA) has defined the industry's efforts in its Roadmap to Carbon Neutrality," said the ACPA in a statement to Changing America.

"As detailed in the Roadmap, America's cement manufacturers have committed to the goal of reaching carbon neutrality throughout the cement-concrete-construction value chain by 2050. The Roadmap provides direction and incentives that urge action, and the concrete pavement industry and ACPA are in full alignment with the Roadmap's objectives, which support the IIJA's call for sustainable paving materials."

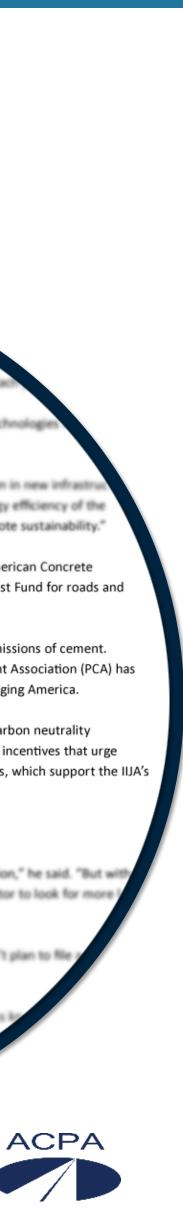
For Shi, he hopes the law will spur agencies into action.

Without sufficient funding, usually there's plenty of deferred maintenance. There's no room for innovation," he said. "But vi to increased investment, I think it's definitely going to inspire both the public sector and the private sector to look for more in solutions and more sustainable solutions."

oted that even though the process used in his team's lab experiments was innovative, he doesn't plan to

is to demonstrate the beneficial use of masks and inspire people to collect the masks lo recurrent" he satif.

sterial, significant improvements in cement tensile str



### **Beyond Sustainability: Resiliency**

### **Resiliency and Sustainability are Connected!**

- Resiliency = ability to anticipate and adapt to changing conditions and quickly recover
- Concrete pavement excellent choice when considering withstanding natural disasters w/ greater intensity and duration
- Long-life solution even after extreme weather conditions



### CONCRETE: THE RESILIENT PAVEMENT SOLUTION



### Concrete's **RESILIENCE** in the face of **NATURAL DISASTERS**

makes it an excellent choice for streets & roads, highways, airports, and industrial projects.





### **Beyond Sustainability: Equity**

- Sustainability is often defined as the intersection between the **"Three E's"**: equity, environment, and economy
- Transportation social justice can couple with "urban heat island effect"
- Concrete pavements help mitigate the consequences of inequitable infrastructure design by using quieter, safer, more durable, and cooler pavements



Year after year, States and communities across the Country are seeing an increasing number of intense extreme weather events, causing substantial impacts to transportation systems across the United States. This webinar focuses on resiliency and sustainability by featuring Pennsylvania Department of Transportation and how they are working toward meeting the challenges involving climate change, equity, infrastructure resiliency, and safety.



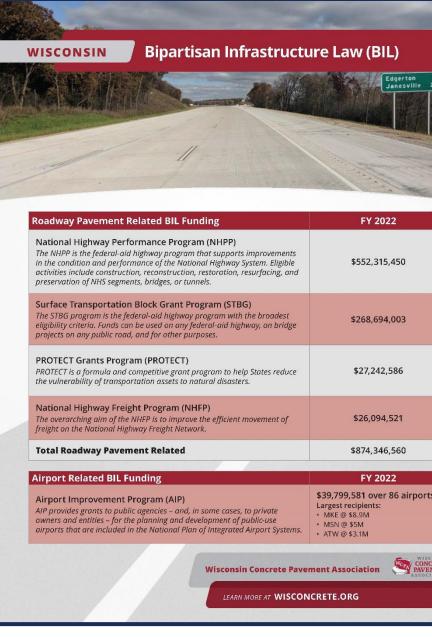




### **Shaping the Conversations Shaping Our Industry**

### **ACPA Upcoming Communications Efforts**

- Long-Life Pavement Campaigns
- Sustainability White Paper
- Importance of preservation
- Impact of Low Bid Contracts



	FY 2022
P) orts improvements vay System. Eligible on, resurfacing, and	\$552,315,450
STBG) with the broadest highway, on bridge	\$268,694,003
o help States reduce asters.	\$27,242,586
ent movement of	\$26,094,521
	\$874,346,560
1000	
	FY 2022
ses, to private t of public-use ated Airport Systems.	\$39,799,581 over 86 airports Largest recipients: • MKE @ \$8.9M • MSN @ \$5M • ATW @ \$3.1M
nsin Concrete Pavement Association	
ARN MORE AT WISCONCRETE.ORG	

## Concrete Pavement's Role in a Sustainable, Resilient Future



### MINIMAL REPAIRS NEEDED TO BRING I-70 IN COLORADO INTO ITS 50TH YEAR AND BEYOND

base. The road was originally nance for 46 In a ra of Rifle served the area throughout its period of greatest te section of the highway, the municipality's population growth and is older than the majority of the rapidly and now boasts over 10,000 current residents. Connecting the rural region between ughout the five-fold increase in population Grand Junction and Denver, the long life of the concrete bling of expected traffic volume, the concrete pavement has supported Rifle and the surrounding area highway has required only minor rehabilitation ns. The pavement met its 20-year desig vith no rehabilitation work needed. In 2004/20 years after construction - the Colorad ransportation (CDOT) completed a par amond grind project to impro placement project. As of 2022 tion – CDOT has spent a mere \$7

ndition survey identified that this section d benefit from additional panel replac

rindina, so CDOT has a minor rehal

arrival of the railroad, Rifle depends on its connection to ion Rifle had just over 2000, the rest of the state. The concrete section of I-70 outside

NCRETE PAVEMENTS - THE **PERMANENT** SOLUTION







### Cement "Tightening"/ Supply Chain Issues Impacting Project Delivery?

- Supply chain issues impacting most industries
- Workforce Shortages
- Supply Chain Issues/Trucking/Rail
- Portland Cement Association's Outlook and Presentation at ACPA's Annual Meeting
- Working with state DOTs to ensure consistent delivery of quality concrete pavements







### ACPA 59<sup>th</sup> Annual Meeting



### Nov 29 – Dec 1, Nashville, TN

### **Registration Is Open**

Concrete Pavement University | Excellence in Paving Awards | Grand Ole Opry Tour | Market Forums | Chairman's Reception | Economic Outlook | Exciting Excursions | Distinguished Service Awards







# Laura O'Neill Kaumo loneill@acpa.org











# Thank You



