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Vol. 15 No. 2 Fall 2016



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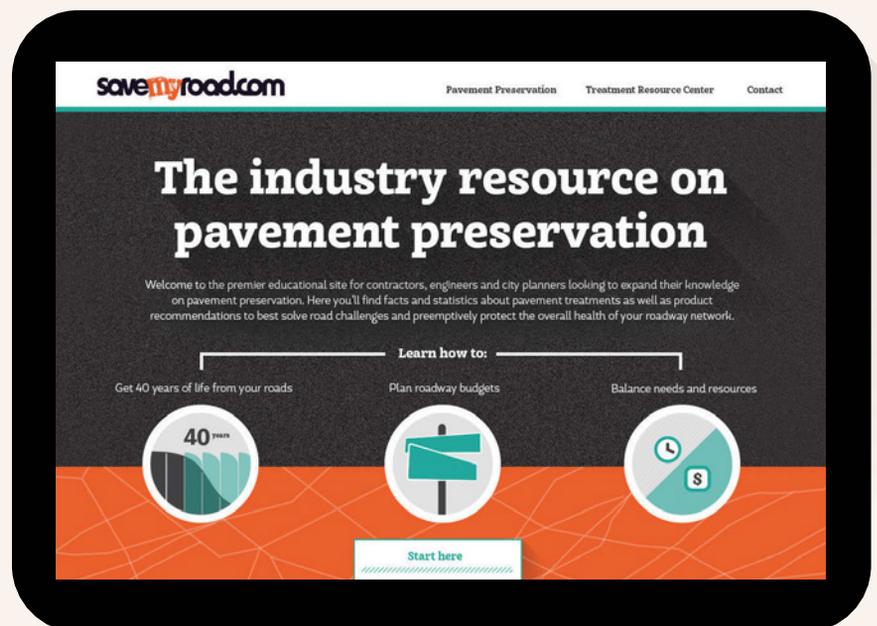
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The Future of the Asphalt Industry Starts Now

*Kevin Wall, Anderson Columbia Co., Inc.
2016–17 ACAF President*

I want to start off by thanking God, my family here at Anderson Columbia, and the ACAF for giving me the opportunity to serve as the president for the next year. I will be stepping into some very large footsteps that are going to be very hard to fill. I want to thank the past presidents and the board of directors who have gotten us to this point. I know funding and the DOT work program is one of the most important things, but I am going to get back down to basics during my term and try to pick up where Mark Marine left off on safety. Also, I am going to try to emphasize the importance of getting our younger generation interested in the asphalt industry.

In the past few months, I have spoken to a number of people who are dealing with the same problem all of us are having:

no help. It seems that our whole nation is more worried about what kind of bathroom sign to have or which one someone should be able to use. As I think about some of the silly stuff we get hung up on around our nation, there is one thing for sure: we all need good quality men and women to keep our business going. I think we get so caught up in work, bidding, and going to meetings to work out problems that we sometimes forget about the employee on the back of a paver, on a roller, or behind all of them, our QC staff.

Just this past week, I had a meeting with one of my paving foremen and two QC techs to talk about some issues. After the meeting, I gave my QC techs my number and told them to call me if they needed my help. I am telling you this because this was the first time I had really sat down with these QC techs and had about a 15 to 20 minute conversation. We all walked away feeling better about a small problem, and they know that I care about what kind of job they do and how important their job is.

After that meeting, I started thinking about how long those two men had been on my QC staff, and I had not taken the time to sit and talk with them and make sure they knew their responsibilities and how important their job was.

This is just one example of being busy, going to meetings, and working in a big area. All of our upper management does not have time to slow down and get to know everyone. I believe this is some of the reason we are having a hard time attracting employees. This is not the sole reason, but just one of many that makes it hard for our industry to get young men and women interested in what we do.

I have noticed that some of the past employees that have moved up in our company have started on or around a paving crew or on the QC staff. I am not saying college is not good, but college is not for everyone and, with less and less trade and vocational schools, there is a shortage of young people who know how to get outside and make a living.



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I think, as an industry, we need to do a better job of getting the word out to high school students that there can be a great future in our industry. I know the pay is not that great at the start, but we must try to come up with new ideas to get our younger generation interested.

I have told several students that if they get out of high school, start at the bottom and work hard, by the time they are 30 years old, a young person can be making between \$40–60,000 a year if he or she applies themselves. Sometimes it might be more, depending on where they are located and what type of certifications they get.

What I'm trying to say is – young people do not realize how good and stable the asphalt industry is and how all of us contractors across the state, from Key West to Pensacola, are looking for the next generation of hard-working people to take our place and to take our companies into the next century.

In closing, I would like to also thank Governor Rick Scott and Secretary Jim Boxold for having such a robust work program. I think we are all lucky to be able to live in America, work in Florida and provide so many jobs for so many families all year long. The asphalt industry does touch a lot of lives and puts a lot of presents under the Christmas tree every year.

We welcome your input. If you have any ideas, feel free to contact me at: kevin.wall@andersoncolumbia.com or Jim Warren at jwarren@acaf.org. With this being said, I look forward to serving as your next president. **A**



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Everyone Has a Story

Jim Warren, ACAF Executive Director

It's Thursday morning, I have a full tank of gas, a cup of coffee, and am wearing sunglasses... (*key the Blues Brothers' music*). Actually, I'm at the intersection waiting for traffic to pass so I can get on the road again. I'm treated to a long line of vehicles and people passing me by going somewhere. *Every one of these people has a story. Every one of their stories includes a chapter on asphalt.*

Asphalt is part of their story. Most are going to work, some are going to college, starting their day, ending their shift, hauling fuel, food, the latest smart phone, or construction materials to build new roads and some are hauling your children to school. What we, as a transportation industry, provide is an integral part of each story.

People in general don't think about the asphalt road they are on – they think about the destination. Asphalt is a means of convenience and conveyance for them, just as the plumbing or wiring in their house moves the water and electricity so the faucet, coffee pot, and cell phone charger all work. The only time they really think about the surfaces they travel on is when the roads are under construction and traffic is backed up; then people are delayed and it affects the story of their life. They may get stressed, angry, and frustrated because it isn't working as well as they thought it should. When the power goes off as you are getting ready for work or trying to make a meal, a similar response is seen. We take good roads for granted. The other day I was watching a documentary about a driver taking a load of flour to a remote village in Tajikistan and the dirt road conditions were about as bad as you can get. Like I said, we take our nice asphalt roads for granted.

What we do every day will impact millions of people for decades to come. In reality, our story helps shape the story of our neighbors, friends, family, and those people who are struggling just trying to make ends meet. The asphalt industry weaves together the most complex civil engineering projects ever designed. Local roads interconnect with cities, cities with counties, counties with states, and states with the nation. Asphalt provides freedom,

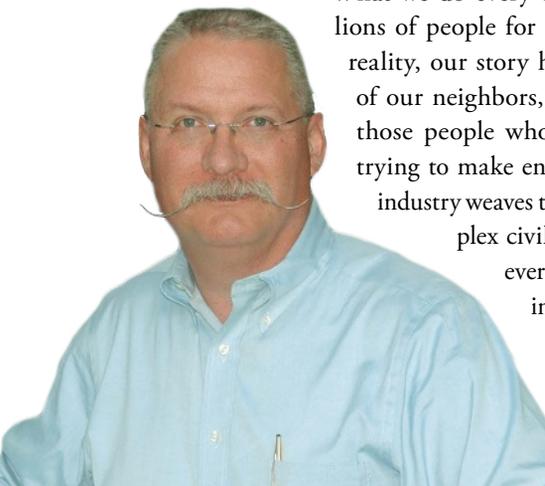
opportunity, strength, economy, and performance. Asphalt plays a part in all of our stories. Asphalt betters people's lives. Asphalt helps create memories of a first date, a marriage, vacations, rushing to the hospital to deliver a baby, driving to see your new grandchild, and so many more.

The asphalt industry's job is to build strong pavements while minimizing inconvenience to the public. We do it at night in many places to minimize the impact on people's lives. We work under very stressful conditions, under live traffic, at night, all while trying to balance quality and production. We, as a construction industry, are working with our partners to help improve the work zone and reduce work zone intrusions. Nothing will ruin a day like an accident, especially if the only thing protecting you is an orange safety barrel. Think about paving akin to having a hip replacement while running a marathon – not so easy if you think about it. The upside is seeing a new smooth riding pavement at the end of a shift and the personal satisfaction that "I did it" the paving crew, truck drivers, plant crew, the managers, owners, inspectors and engineers get to proclaim. Good job!

Our story includes an aging work force and an immediate need for skilled operators, labor, technicians, and managers across our state. Each meeting I go to now it seems I meet a new young guy or gal, just getting started and that's great news. But I continue to hear of the need for more people from our members and others in similar industries. Hitting 55 this year and now being around asphalt since I was 16, I'm definitely starting to feel like an old guy. With age comes responsibility – the responsibility to pass it on and share (*yes, to tell our story*). Our industry has a wealth of knowledge and opportunity and it's our obligation to encourage, foster, excite, and reach out to the next generations that someday will be taking the reins. We must find a way to reach the millennials and let them see the opportunities that exist in our industry. Our new 2016–2017 ACAF President, Kevin Wall, is already hard at it to trying to tackle this big monster of an issue.

Next time you meet someone new and you and are short for words, just ask them... "*Hey, tell me your story, and then I'll tell you how my story fits into yours...*"

Ever forward,
Jim

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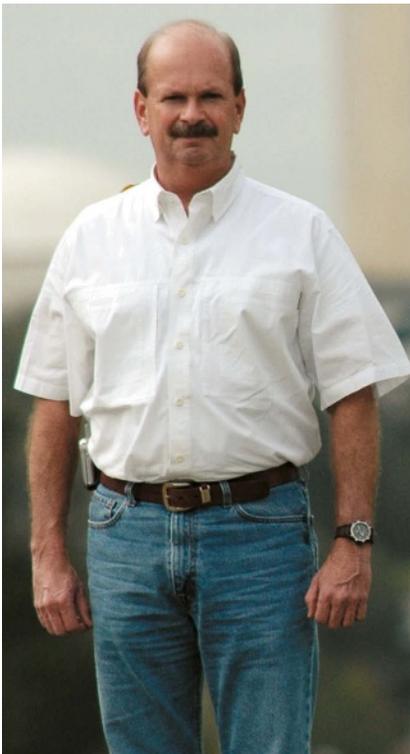
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2016 Election Season

Jim Cordero, ACAF Director of Governmental Affairs



When you read this issue of our magazine, the 2016 Legislative Session will be a faint memory since the Florida Legislature having started earlier on January 12, finishing their work in mid-March and the 2016 Election cycle will be in full swing. We have had another record appropriation for the FDOT budget and work program. We even accomplished the final segment of an issue ACAF undertook when I started working here 20+ years ago to phase out the manufacturers' use tax on asphalt for public works projects. This was accomplished when our language from Senator Lizabeth Benacquisto's bill, who sponsored it for us, was included in the general tax cut package supported by Senator Tom Lee, Chair of the Senate Appropriations Committee, President Andy Gardiner, Speaker Steve Crisafulli and other Legislative leaders. Governor Scott supported the overall package and signed the bill into law. So after a long, tenuous process, our persistent effort paid off through the hard work of ACAF legislative team of Stephen Shiver and The Advocacy Group as well as many other supporters and friends.

The 2016 election season has officially begun, not only for members of the Florida Legislature but also, for Members of Congress, one of our US Senate seats, and for the next President of the United States, but also for other local State offices, judicial seats, County and School Board offices, and for some of the 400+ municipalities. On top of that, there may be an assortment of local boards and special districts along with State and local issues at the end of the ballot. Speaking of our Congressional elections, nine out of the 27 Member seats of the Florida Delegation will be open races, meaning the current member elected to that district is not seeking reelection or is running for another office. That means at least one-third of our delegation will be newly elected in November and that will have a big impact on federal issues that Congress deals with such as transportation.

So in an attempt to keep this article concise and relevant, I want to stress the importance of remaining involved in the Legislative process which first starts with electing good people to office. That can only occur when we all remain active in the process which simply means voting in our election process.

GET ONLINE

Florida Legislature
www.leg.state.fl.us

Florida U.S. House
www.house.gov

Florida U.S. Senate
www.senate.gov



By going to this link <http://registration.elections.myflorida.com/CheckVoterStatus>¹, at the Florida Division of Elections, citizens of Florida can check their voting status and determine if their voter registration information is up to date. It's a simple, quick process and, after verification, you can click on links taking you to your local Supervisor of Elections, determine your voting precinct location, and/or request or verify your absentee ballot. It will provide you with information on the upcoming elections for 2016, the dates, deadlines, sample ballots for your precinct (once they are available), and other relevant voter information. Note: there are some 12.2 million registered voters in Florida, the difference between the two major parties is only 262,000 voters², with another 3.2 million "Other" registered voters.

As I have reported in past issues and it's worth repeating, "Governor Scott and the Florida Legislature have continued to lead the charge for Florida's

competitiveness that is creating jobs and investments." Unemployment is at its lowest in years. Tourism is at its highest number of visitors and continues to grow. Our population is once again growing; Florida is in the top four States attracting new residents.³ And we are projected to continue growing.

To sustain this growth and quality of life, we need the infrastructure to support it. We need to sustain a continued focus on that effort. This is not a one shot effort, but an ongoing coordinated effort. That requires all segments of our great State to continue to work together and work for the common goal that benefits the entire State and its citizens.

Now we move into the election season which began with qualifying for office over the past several months. Some of our leaders will continue in the process and some are required to be replaced. To insure we maintain good leadership in Tallahassee (as well as in our local governments) so this economic growth is

sustained you have to be involved. Just like the roads we build, nothing remains whole if it's not maintained.

Follow what's going on during this election season. Get to know the new candidates, ask for facts, and continue to support those who are sustaining us working. Continue to support our Association and its political action committee. We are here to assist you. Call on us so we all can remain partners in this effort to have a sustainable and good government."

Thanks again for your support, keep informed, and prepare for the future.



1 <http://registration.elections.myflorida.com/CheckVoterStatus>
 2 As of 5/24/16: 4.3m Republican, 4.6m Democrats, 3.2m Other, State of Florida, Division of Elections
 3 US Census Bureau, Newsroom Release, May 22, 2014.




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2016 ACAF Excellence in Pavement Awards

In 2016 we have a great set of award winning pavements. Congratulations to all of the hardworking crews that made these jobs and many more pavements in Florida top quality, smooth, and good looking. The A.P. Bolton award, named in honor of one of the charter members who has done so much for the industry and whose reputation for quality work is his hallmark, is the Association's highest award. ACAF's Resurfacing Award is the Association's next highest award and is now split between Urban and Rural projects. Through its Roads and Streets Award, the ACAF also recognizes quality on lower tonnage State, City or County roads and streets construction. Special Projects awards are given to customer nominated projects not meeting previous categories.

Projects submitted for consideration must have been completed within the previous calendar year of 2015. Here are the District and Statewide winners for 2016. Enjoy!

ROADS AND STREETS – FDOT CATEGORY

FDOT: New construction; reconstruction; or overlay with 5,000 ton minimum.



District 3: C.W. Roberts Contracting for their project on SR 71 (Cecil Costins Boulevard) from end of concrete pavement to the intracoastal bridge 480014 in Gulf County.
Tonnage: 18,216.99, Lane Miles: 13.31



District 5: Preferred Materials, Inc. for their project on SR 536 in Lake Buena Vista, from SR 535 to just west of the I-4 bridge in Orange County.
Tonnage: 16,679, Lane Miles: 11.76



District 6: General Asphalt Company for their project on SR 915/NE 6 Avenue from Biscayne Boulevard to south of NE 123 Street in Miami-Dade County.
Tonnage: 5,396, Lane Miles: 5.69



District 7: Preferred Materials, Inc. for their project on SR 45 (US-41) Nebraska Avenue, from north of Fowler Avenue to south of Linwood Drive STA.180 + 26.5 to 226 + 91.91 in Hillsborough County. **Tonnage: 5,825, Lane Miles: 4.88**

RESURFACING – URBAN CATEGORY

Urban resurfacing (may include widening but not additional lanes) on State primary highway or county highway. 10,000 tons minimum or equivalent of five miles of 24' roadway. Urban is defined as 51.0% or more of the project is in a curb and gutter section.



District 1 and Statewide Winner: Preferred Materials, Inc. for their project on Davis Boulevard (SR 84) Naples, FL from County Road 31 (Airport Pulling Road) easterly 1.955 miles to Heritage Trail in Collier County.
Tonnage: 12,375, Lane Miles: 7.82



District 2: Preferred Materials, Inc. for their project on SR 121/34th Street from Archer Road to NW 5th Avenue in Gainesville, FL in Alachua County.
Tonnage: 15,888, Lane Miles: 11.5



District 5: Preferred Materials, Inc. for their project on Goldenrod Road from Lee Vista Boulevard to Cargo Road and SR 528 from Station 862 + 27 to Station 809 + 10 in Orange County.
Tonnage: 16,778, Lane Miles: 33.26



District 6: General Asphalt Co., Inc. for their project SR 9 NW 27th Avenue from south of SR 934 (NW 79th Street) to north of SR 932 (NW 103rd Street). SR 934 (NW 79th Street) from east of NW 2800 Block to NW 14th Avenue in Miami-Dade County. **Tonnage: 16,019, Lane Miles: 18.3**



District 7: D.A.B. Constructors for their project on SR 55 from Pinellas County Line to SR 52 in Pasco County.
Tonnage: 128,880, Lane Miles: 91.38

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RESURFACING – RURAL CATEGORY

Rural Resurfacing (may include widening but not additional lanes). State primary highway or rural county highway. 10,000 tons minimum or equivalent of five miles of 24' roadway. Rural is defined as 51.0% or more of the project has paved shoulders.



District 1: Ranger Construction Industries, Inc. for their project on CR 68 from US 441 approximately 8.068 miles to the St. Lucie County Line in Okeechobee County.

Tonnage: 16,993, Lane Miles: 16.14



District 6: General Asphalt Co., Inc. for their project on SR5/US-1/ Overseas Highway from Jerome Avenue to Smugglers Cove Entrance in Monroe County.

Tonnage: 21,352, Lane Miles 12.4



District 2 and Statewide Winner: Preferred Materials, Inc. for their project on SR 121 from SW 9th Avenue to Baker County Line in Lake Butler, FL in Union County.

Tonnage: 47,350, Lane Miles 29.6



District 7: The Lane Construction Corp. for their project on SR 39 (James L. Redman Parkway) from a pt. north of SR 60 (Hopewell Road) to a pt. north of Charlie Griffin Road in Hillsborough County.

Tonnage: 20,954, Lane Miles 12.27



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A.P. BOLTON CATEGORY

*New construction, reconstruction,
or major overlay on Interstate or
multi-lane primary highway with
30,000 tons minimum.*



District 2: Anderson Columbia Co., Inc.
for their project on SR 2 from Florida/
Georgia line in Columbia County to
Florida/Georgia line in Baker County
(14.65 miles) in Columbia/Baker County.
Tonnage: 35,224, Lane Miles: 29.3



District 5: Ranger Construction Ind. for
their project on SR 60 from the Turnpike
to Hyatt Farms Road in Osceola County.
Tonnage: 47,580, Lane Miles: 26.28



District 7: D.A.B. Constructors, Inc.
for their project on SR 55 from SR 50 to
Citrus County Line in Hernando County.
Tonnage: 69,473, Lane Miles: 48

SPECIAL PROJECTS CATEGORY

Any project of a special or unique nature requiring specialized equipment, techniques, materials, time restrictions, or operating conditions. These projects would not be eligible for any of the other ACAF Awards as listed above. Projects may include, but are not limited to: Port Terminal Paving; Heavy Duty Applications; Airfield Paving; Race Tracks; Landfill Liners; Reservoir Liners; and other special projects will be considered. There is no minimum tonnage requirement. A special committee will be formed to evaluate these applications.



V. E. Whitehurst & Sons, Inc. for their Runway 7/25 at the Gainesville Regional Airport in Alachua County.
Tonnage: 11,200



Duval Asphalt Products for their Cecil Airport East Development, Taxiway E in Duval County.
Tonnage: 10,440



Duval Asphalt Products for their SR 5A (King Street and Avenida Menendez) in St. Augustine, FL in St. Johns County.
Tonnage: 755



C.W. Roberts Contracting for their Beaches International Airport, Sheltair Apron Expansion in Bay County. **Tonnage: 4,271**



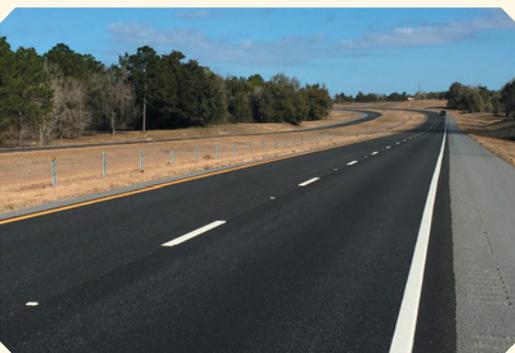
Ranger Construction Industries for their Sanford off ramp from SR 417 North Bound to I-4 East Bound in Seminole County. **Tonnage: 383**



Community Asphalt Corporation for their MIA Runway 12-30 Pavement Rehabilitation in Miami-Dade County. **Tonnage: 147,627**



District 3 and Statewide Winner:
C.W. Roberts Contracting, Inc. for their project in Okaloosa County from Roberts Drive to Okaloosa County Line and Walton County from Okaloosa County line to CR 83A Freeport in Walton/Okaloosa County.
Tonnage: 58,250, Lane Miles: 32.98



District 8: D.A.B. Constructors, Inc. for their project on SR 589 from SR 50 to US 98 in Hernando County.
Tonnage: 44,657, Lane Miles 42

59th Annual ACAF Convention Highlights

The 59th ACAF Lifetime Achievement Award

Mr. Ted McRae received the inaugural ACAF Lifetime Achievement Award at their Annual Convention in Miami in June. “Our industry is blessed with some truly unique and gifted individuals who dedicated their lives to the industry,” said Kevin Wall, 2016–2017 ACAF President. “Ted McRae has been one of those individuals.” Ted McRae has spent over 61 years in the industry, started as a timekeeper and finished as the President for Anderson Columbia Company, moving dirt and paved asphalt all across Florida and abroad. Ted was the ACAF President from 1981–1983.



Award Winners:



C.W. Roberts Contracting won the A.P. Bolton Award for their project on SR-20.



Preferred Materials won the Statewide Urban Resurfacing Award for their project on SR-84.



Preferred Materials won the Statewide Rural Resurfacing Award for their project on SR-121.

Business Sessions

The Friday sessions were full of technical information and also presentations on Millennials by Dr. Ed Moore and a rousing Keynote address by NASA astronaut Story Musgrave. The FDOT Roundtable discussion was lively as usual and the gavel was exchanged with a big thank you for two term President Mark Marine as Kevin Wall takes over for 2016–2017.



NASA astronaut Story Musgrave



Dr. Ed Moore



Golf Tournament

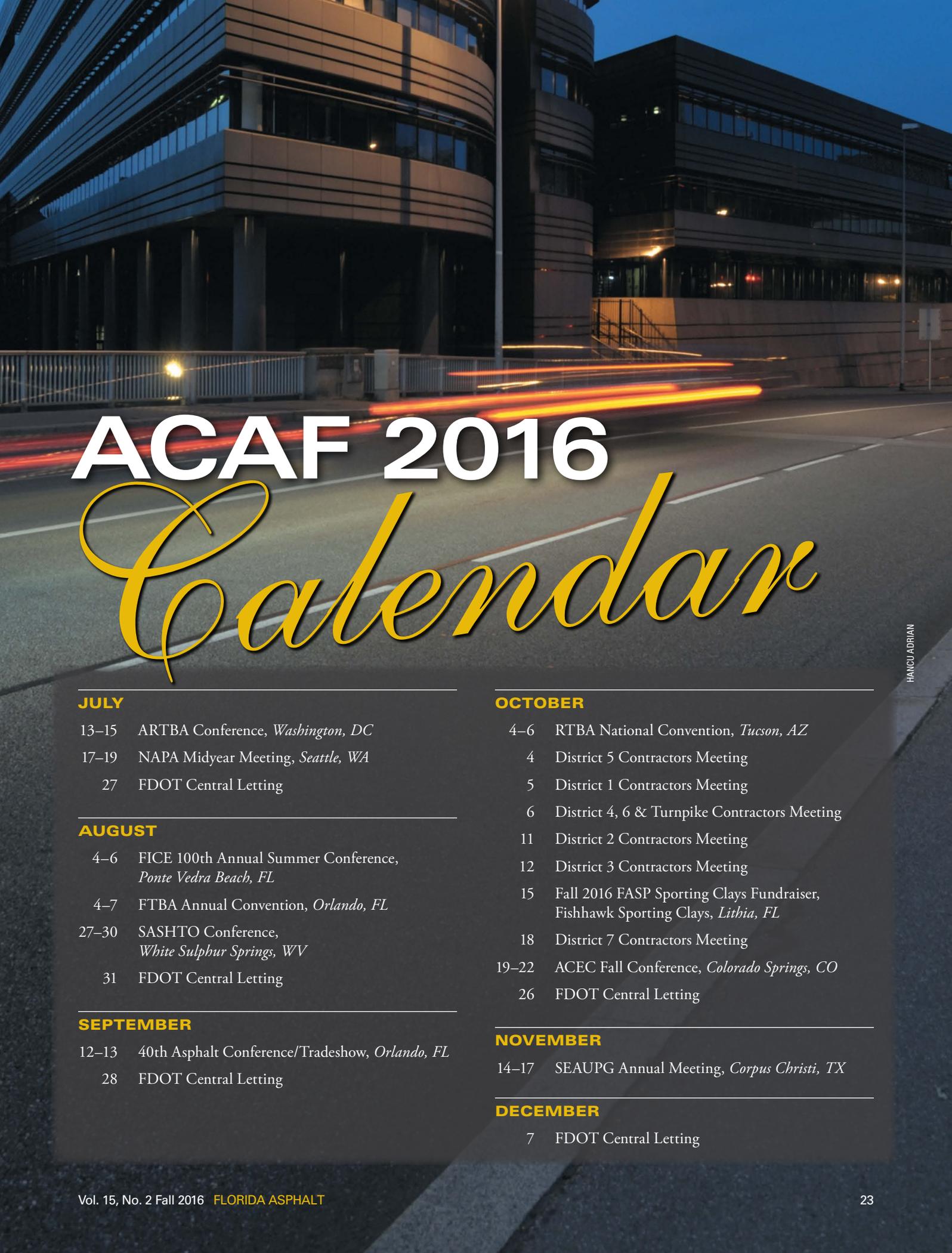
The Annual V. E. Whitehurst Golf Tournament was held at the annual convention at the Turnberry Resort in Aventura. The rain held off and the golfers enjoyed a welcome breeze on a hot June morning. The golf tournament also raises funds for the Florida Asphalt Scholarship Program. 2016–2017 ACAF President Kevin Wall toured the course and visited with the players.



Casino Night

ACAF hosted the 2nd Casino night benefiting the Florida Asphalt Scholarship Program. Great food, fun, and prizes capped off the evening while raising funds for Trade School Scholarships.





ACAF 2016

Calendar

HANGU ADRIAN

JULY

- 13–15 ARTBA Conference, *Washington, DC*
- 17–19 NAPA Midyear Meeting, *Seattle, WA*
- 27 FDOT Central Letting

AUGUST

- 4–6 FICE 100th Annual Summer Conference, *Ponte Vedra Beach, FL*
- 4–7 FTBA Annual Convention, *Orlando, FL*
- 27–30 SASHTO Conference, *White Sulphur Springs, WV*
- 31 FDOT Central Letting

SEPTEMBER

- 12–13 40th Asphalt Conference/Tradeshaw, *Orlando, FL*
- 28 FDOT Central Letting

OCTOBER

- 4–6 RTBA National Convention, *Tucson, AZ*
- 4 District 5 Contractors Meeting
- 5 District 1 Contractors Meeting
- 6 District 4, 6 & Turnpike Contractors Meeting
- 11 District 2 Contractors Meeting
- 12 District 3 Contractors Meeting
- 15 Fall 2016 FASP Sporting Clays Fundraiser, *Fishhawk Sporting Clays, Lithia, FL*
- 18 District 7 Contractors Meeting
- 19–22 ACEC Fall Conference, *Colorado Springs, CO*
- 26 FDOT Central Letting

NOVEMBER

- 14–17 SEAUPG Annual Meeting, *Corpus Christi, TX*

DECEMBER

- 7 FDOT Central Letting

WHEN IT COMES TO A SMOOTH RIDE

DRIVABILITY MATTERS

ASPHALT DELIVERS DRIVABILITY



SMOOTHNESS



NOISE



SAFETY



SUSTAINABILITY



CONSTRUCTION

What is drivability? It's what makes a road the one you want to take. For drivers, cyclists and runners, surface **SMOOTHNESS** is important. Asphalt pavements are the smoothest choice, delivering user satisfaction and high performance. Smooth roads are safer roads because rough, uneven surfaces increase driver fatigue and diminish control. Asphalt's smoothness increases fuel-efficiency and decreases vehicle wear and tear, saving drivers money. Asphalt pavements are a pleasure to ride on and protect travelers, vehicles and bank accounts. That matters.

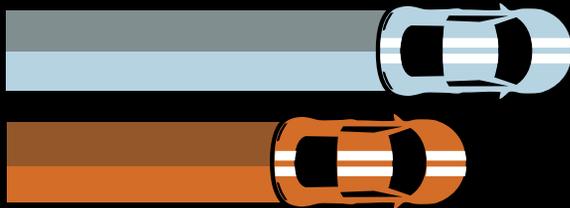
72%



72% of "for hire" drivers prefer the smooth ride of an asphalt pavement.¹

Nearly 7 out of 10 amateur road racers say a smooth pavement enhances their performance.¹

7/10



\$1,300

Pavements that are smoother from the start require less maintenance, saving taxpayers about **\$1,300 annually** for every lane-mile resurfaced.²



\$109B

Driving on roads in need of repair costs U.S. motorists **\$109 billion a year** in extra vehicle maintenance and operating costs — **\$516 per motorist**.³

58%

of drivers prefer asphalt for its smoothness.⁴



+4.5%

Driving on smooth asphalt pavements reduces fuel consumption, which can lead to a **4.5% improvement in fuel economy** compared to other pavements.⁵



The Asphalt Pavement Alliance is a partnership of the Asphalt Institute, National Asphalt Pavement Association, and the State Asphalt Pavement Associations.

1. Golin Harris (2015). Survey of 1,053 Elite Drivers, Sept. 25–Oct. 2. Credibility Interval ±3%.
2. McGhee, K.K., & J.S. Gillespie (2006). Impact of a Smoothness Incentive/Disincentive on Hot-Mix Asphalt Maintenance Resurfacing Costs. Report No. FHWA/VTRC 06-R28. Virginia Transportation Research Council, Charlottesville, Virginia.
3. TRIP (2015) Bumpy Roads Ahead: America's Roughest Rides and Strategies to Make our Roads Smoother. TRIP: A National Transportation Research Group, Washington, D.C.
4. Edelman Berland (2014). Survey of 3,085 U.S. Drivers, 18+. Mar. 7–13, MOE ±1.8%.
5. Sime, M., S.C. Ashmore, & S. Alavi (2000). Tech Brief: WesTrack Track Roughness, Fuel Consumption, and Maintenance Costs (FHWA-RD-00-052). Federal Highway Administration, McLean, Virginia.

2016 ACAF Member Companies

ACAF is the voice of the hot mix asphalt industry before the Florida legislature and state government, where it advocates the efficient spending of transportation revenue and quality construction that promotes motorist safety, relieves congestion, and improves traffic flow. ACAF also provides its members with new and innovative information relating to asphalt and construction specifications. Along with technical assistance, trained staff provides quality construction training. Thank you for your membership!

Regular Members

Ajax Paving Industries of Florida, LLC (1994)
North Venice, FL

Anderson Columbia Company, Inc. (1978)
Lake City, FL

Asphaltbabe, LLC (2016)
Gibsonton, FL

C.W. Roberts Contracting, Inc. (2000)
Hosford, FL

Community Asphalt Corporation (1986)
Hiialeah, FL

D.A.B. Constructors, Inc. (1995)
Inglis, FL

Duval Asphalt Products, Inc. (1984)
Jacksonville, FL

GAC Contractors (1983)
Panama City, FL

General Asphalt Company, Inc. (1967)
Miami, FL

Halley Engineering Contractors, Inc. (2012)
Miami, FL

Hubbard Construction Company (1957)
Orlando, FL

The Middlesex Corporation (2000)
Orlando, FL

MidSouth Paving (2010)
Andalusia, AL

Okeechobee Asphalt & Ready Mixed
Concrete (2009)
Okeechobee, FL

P&S Paving, Inc. (2015)
Daytona Beach, FL

Peavy & Son Construction Co., Inc. (2015)
Havana, FL

Preferred Materials, Inc. (1957)
Wesley Chapel, FL

Ranger Construction Industries, Inc. (1957)
West Palm Beach, FL

The de Moya Group, (2007)
Miami, FL

The Lane Construction Corporation (2007)
Eaton Park, FL

V. A. Paving, Inc. (2008)
Cocoa, FL

V. E. Whitehurst & Sons, Inc. (1969)
Williston, FL

Weekley Asphalt Paving, Inc. (2014)
Pembroke Pines, FL

Associate Members

aXeon Specialty Products (1997/2014)
San Antonio, TX

Blackledge Emulsions, Inc. (1994)
Gulfport, MS

BlackRock Milling (2015)
Tampa, FL

Bonness, Inc. (2015)
Naples, FL

CEMEX (1988/2008)
Orlando, FL

Dickerson Florida, Inc. (1957)
Ft. Pierce, FL

E.R. Jahna Industries, Inc. (1988)
Lake Wales, FL

Ergon Asphalt & Emulsions, Inc. (1993)
Birmingham, AL

Gator Grading & Paving, LLC (2010)
Palmetto, FL

Gardner Asphalt Supply (2012)
Tampa, FL

Hunt Refining Company (2013)
Tuscaloosa, AL

Ingevity (2010)
North Charleston, SC

Lhoist North America (2002)
Birmingham, AL

Marathon Petroleum Company, LP (1985)
Tampa, FL

Mariani Asphalt Company (1967)
Tampa, FL

Martin Marietta Materials (1995)
Augusta, GA

Maxxchem, LLC (2016)
East Point, GA

Mill-it Corporation (1995)
Altamonte Springs, FL

Owens Corning Trumbull (2016)
Jacksonville, FL

Road Science (2014)
Tulsa, OK

Roberts and Roberts, Inc. (2014)
Tallahassee, FL

Sargeant Marine, Inc. (1988)
Boca Raton, FL

Shell Bitumen (2011)
Houston, Texas

South Florida Materials Corporation (2012)
Ft. Lauderdale, FL

TCPU, Inc. (2015)
Houston, TX

Vulcan Materials Company (1983)
Jacksonville, FL

White Rock Quarries (1989)
West Palm Beach, FL

Zydex Industries, Inc. (2013)
Morrisville, NC

Affiliate Members

Acme Barricades (2014)
Jacksonville, FL

Advance Testing Company, Inc. (2007)
Ft. Myers, FL

Asphalt Testing Solutions, Inc. (2015)
Jacksonville, FL

Atlantic Supply (2016)
Largo, FL

Bob's Barricades, Inc. (2008)
Sunrise, FL

Bomag Americas, Inc. (2006)
Kewanee, IL

Cal-Tech Testing, Inc. (2014)
Lake City, FL

CTI Construction Testing and
Inspection, Inc. (2002)
Hiialeah, FL

Dillon Transport, Inc. (2008)
Burr Ridge, IL

Emerald Coast Striping, LLC (2014)
Panama City, FL

Flagler Construction Equipment, LLC (2008)
Orlando, FL

Fortress Energy (2016)
Doral, FL

Gencor Industries, Inc. (2006)
Orlando, FL

GS Equipment (2014)
Tampa, FL

Gulf Terminal Corporation (2013)
Panama City, FL

Interconn Resources, LLC (2014)
Saint Johns, FL

InstróTek, Inc. (2015)
Raleigh, NC

Kelly Tractor Co. (2007)
Miami, FL

L30 Traffic Control (2015)
Pensacola, FL

Linder Industrial Machinery Company (2006)
Plant City, FL

Maxam Equipment, Inc. (2009)
Kansas City, MO

Nortrax, Inc. (2007)
Tampa, FL

Ring Power Corporation (2007)
St. Augustine, FL

Roadtec, Inc. (2006)
Chattanooga, TN

Sakai America (2014)
Adairsville, GA

TransPremier, LLC (2015)
Orlando, FL

Triple G Enterprises, Inc. (2015)
Lockport, IL

Wirtgen America, Inc. (2006)
Antioch, TN

WHEN IT COMES TO SUSTAINABILITY

DRIVABILITY MATTERS

ASPHALT DELIVERS DRIVABILITY



SMOOTHNESS



NOISE



SAFETY



SUSTAINABILITY

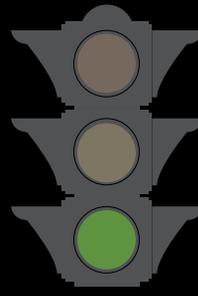
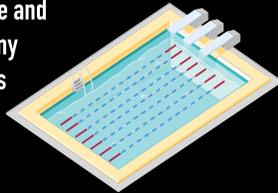


CONSTRUCTION

What is drivability? It's what makes a road the one you want to take. Whether you're building roads or using them, **SUSTAINABILITY** is critical. Completely reusable, asphalt is not only environmentally conscious, it's socially and economically responsible too. Asphalt's smooth surfaces reduce roadway noise and pollution, which is good for neighborhoods, and increase vehicle fuel economy, which is good for your wallet. Its recyclability reduces pavement material costs, and easy maintenance means fewer traffic jams caused by construction. Asphalt represents all three pillars of sustainability: environmental, social and economic. That matters.

13,500

Asphalt pavements are 100% reusable and are recycled at a greater rate than any other material in the U.S.¹ That means **13,500 Olympic-size pools** worth of landfill space are saved each year.²



Asphalt is easy to maintain and repair with **minimal disruption** for drivers.



3.2M

Nearly **3.2 million tons** of waste and by-products from other industries were recycled in asphalt mixtures in 2014.¹



Smooth asphalt roads provide drivers up to a **4.5% improvement** in fuel economy compared to other pavements.⁴

+4.5%

\$2.8B

In 2014, reused asphalt materials, saved taxpayers more than **\$2.8 billion**.¹



Quiet asphalt mixtures help **reduce highway noise by as much as seven decibels**³; a three decibel reduction is equivalent to doubling the distance from a sound's source.

-7dB

By 2020, the USDOT estimates the use of Warm-Mix Asphalt will save more than **\$3.5 billion** by reducing the amount of energy needed to produce asphalt mixes.⁵

\$3.5B



The Asphalt Pavement Alliance is a partnership of the Asphalt Institute, National Asphalt Pavement Association, and the State Asphalt Pavement Associations.

1. Hansen, K.R., & A. Copeland (2015). Annual Asphalt Pavement Industry Survey on Recycled Materials and Warm-Mix Asphalt Usage: 2014. Information Series 128, 5th Edition. National Asphalt Pavement Association, Lanham, Maryland.
2. Newcomb, D.E., J.A. Epps, & F. Zhou (2016). Use of RAP & RAS in High Binder Replacement Asphalt Mixtures: A Synthesis. Special Report 213. National Asphalt Pavement Association, Lanham, Maryland.
3. PIARC (2013). Quiet Pavement Technologies. Report 2013R10EN (F.G. Practico & M. Swantlund, eds.). World Road Association (PIARC), La Défense, France.
4. Sime, M., S.C. Ashmore, & S. Alavi (2000). TechBrief: WesTrack Track Roughness, Fuel Consumption, and Maintenance Costs. Report FHWA-RD-00-052. Federal Highway Administration, McLean, Virginia.
5. Fox, A.R. (2013). Working to Improve Transportation Efficiency, Performance. Fast Lane: The Official Blog of the U.S. Department of Transportation, U.S. Department of Transportation, Washington, D.C.

Work Zone Safety Jingle Contest

In 2015, ACAF's attention turned to worker and work zone safety after spirited discussions and presentations at the Annual Convention and Annual Asphalt Conference. Following this, ACAF spearheaded the founding of the Florida WorkZone Safety Coalition along with participation from FTBA, FDOT, ATSSA, and FHP formed. Additional groups continue to come on board.

The coalition is looking at many areas to improve worker safety in active work zones, including: increased law enforcement; development and deployment of new technology; and increased public awareness campaigns via print, social media, and video. Stay tuned for more information.

One of the early campaigns was to develop some new safety jingles. In April 2016, ACAF sponsored a safety jingle contest on the ACAF Facebook website—www.facebook.com/FloridaAsphalt. The contest reached almost 8,000 people and generated some great jingle submissions. Two jingles were selected by the committee and received stainless ACAF tumblers. We plan to promote and use these winning jingles to help get the word out about work zone safety.

2016 WINNERS of ACAF's Work Zone Safety Jingle Contest



Bobby Jo Forman, a contract administrator with Ajax Paving Industries of Florida, Inc.

**For Accident
Prevention,
Pay Attention!**



Hailey Pham, a 6th grade student at Three Oaks Middle School, Ft. Myers, FL

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Keep Your Eye
On The Road!**

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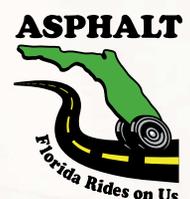
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SMOOTH ROADS CAN RESULT IN A



40% INCREASE IN PAVEMENT LIFE.¹

NEARLY
8 OF 10



PAVEMENT ENGINEERS AND DOT OFFICIALS SAY ASPHALT PROVIDES THE SMOOTHEST PAVEMENT.²

SMOOTH, WELL-MAINTAINED ROADS ARE SAFER ROADS. AS **ROUGHNESS INCREASES**, THE **ACCIDENT RATE** CAN INCREASE BY AS MUCH AS **9.5 INCIDENTS**, DEPENDING UPON TRAFFIC VOLUME.³



VEHICLE MAINTENANCE SAVINGS

A 1M/KM INCREASE IN PAVEMENT SMOOTHNESS COULD RESULT IN UP TO \$73.5 BILLION IN MAINTENANCE AND REPAIR COST SAVINGS AND

\$340,000,000

IN TIRE WEAR COST SAVINGS, ANNUALLY IN THE U.S.⁴



NEARLY 7 OF 10 DRIVERS DON'T MIND PERIODIC MAINTENANCE DELAYS IN RETURN FOR A SMOOTHER ROAD SURFACE.⁶

ENVIRONMENTAL SAVINGS



IF ROADS ACROSS THE NATION WERE SMOOTHER AND MAINTAINED IN GOOD CONDITION, ANNUAL VEHICLE FUEL CONSUMPTION WOULD BE REDUCED BY ABOUT **7 BILLION GALLONS.⁷**



SMOOTHER PAVEMENTS LEAD TO **4.5% LOWER FUEL CONSUMPTION.⁸** THAT'S ABOUT **13¢ PER GALLON.⁹**



MORE THAN 99% OF OLD ASPHALT REMOVED FROM ROADS AND PARKING LOTS IS RECLAIMED FOR USE IN NEW PAVEMENTS.¹⁰



The APA is a partnership of the Asphalt Institute, National Asphalt Pavement Association and the State Asphalt Pavement Associations.

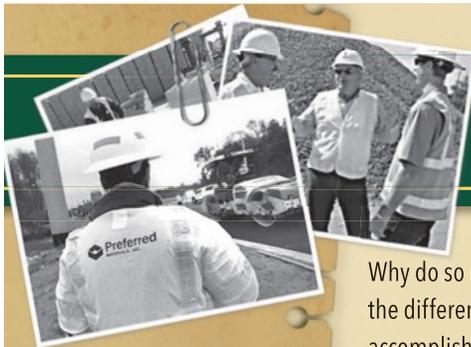
¹ Smith, K.L., K.D. Smith, T.E. Hoerner, & M.J. Darter (1997). Effect of Initial Pavement Smoothness on Future Smoothness and Pavement Life. In *Transportation Research Record 1570*. TRB, National Research Council, Washington, D.C. ² Edelman Berland (2013). Survey of 221 pavement stakeholders. Aug. 8-23. MOE ±6.6%. ³ Ihs, A. (2004). The Influence of Road Surface Condition on Traffic Safety and Ride Comfort. Presented at 6th International Conference on Managing Pavements: The Lessons, The Challenges, The Way Ahead, Oct. 19-24, 2004, Brisbane, Australia. Accident rate is number of incidents per 100 million axle pair kilometers; 9.5 incidents is the change in the accident rate from an IRI of 1 millimeter per meter to 5 mm/m at an annual average daily traffic (AADT) level of 8,000 to 12,000 vehicles. ⁴ Chatti, K., & I. Zaabar (2012). NCHRP Report 720: Estimating the Effects of Pavement Condition on Vehicle Operating Costs. Transportation Research Board of the National Academies, Washington, D.C. ⁵ Raymond, C.M., R. Haas, S.L. Tighe, & L. Rothenburg (2005). Analysis of Influences on As Built Pavement Roughness in Asphalt Overlays. In *Improving Pavements With Long-Term Pavement Performance: Products for Today and Tomorrow* (FHWARD-03-049). Federal Highway Administration, McLean, Virginia. ⁶ Edelman Berland (2014). Survey of 3,085 U.S. Drivers, 18+. Mar. 7-13. MOE ±1.8% ⁷ APA (2011). Smoothness Matters. Asphalt Pavement Alliance, Lanham, Maryland. ⁸ Sime, M., S.C. Ashmore, & S. Alavi (2000). Tech Brief: WesTrack Track Roughness, Fuel Consumption, and Maintenance Costs (FHWA-RD-00-052). Federal Highway Administration, McLean, Virginia. ⁹ Assuming \$2.85 for a gallon of gasoline. ¹⁰ Hansen, K.R., & A. Copeland (2014). 4th Annual Asphalt Pavement Industry Survey on Recycled Materials and Warm-Mix Asphalt Usage: 2009-2013 (IS 138). National Asphalt Pavement Association, Lanham, Maryland.

Florida Asphalt Scholarship Program (FASP)

At their Annual Convention in June, ACAF awarded two Carroll Lance Memorial Scholarships.

The first winner was Jamar Hillery. Jamar graduated from Titusville High School and was a leader and role model in his school. He was on the student advisory council, studied German, played in Orchestra all four years, and is planning on attending Eastern Florida State College then on to University of Central Florida majoring in either business or engineering.

The second winner was Daniella Curiel. She graduated from Cypress Bay High School in Weston, Florida and is a dedicated young lady, active in school activities, and has a passion for French and big dreams. She plans an undergrad and master's degree at FIU in business and then on to law school.



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