

An official publication of the Asphalt Contractors Association of Florida

Florida **ASPHALT**

Vol. 17 No. 2 Fall 2018



2018 PAVEMENT *Award Winners*

Also:
61st Annual ACAF
Convention Recap
Perpetual
Pavement Award

Best in Class

Customer Service



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Frank Morgan, Sr. VP Trading/Risk, and Tad Templeton, EVP

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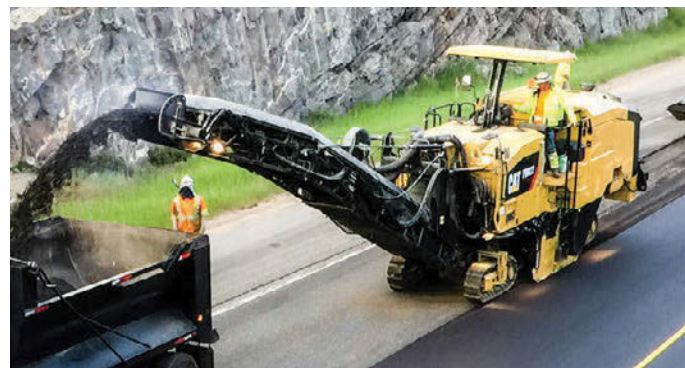


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*Dan Weekley, President, Weekley Asphalt Paving
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There's work being done by our members all over the state that is the highest of quality. The awards handed out at the convention highlighted some of these projects. Our roads are better than ever, and we thank the Department of Transportation for partnering with us to make this possible.

We are encouraging all our members to help support our PAC. There are many important candidates we need to support who will help our industry. Another thing we can do to help ourselves is to support all the construction career day events around the state that takes time and money. It's a great way for young men and women to learn about our industry and what we have to offer them for their future.

It has started out to be a very wet summer; let's hope we get a break from it so we can place some asphalt.

Dan Weekley

A



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The Importance of Good Asphalt

Jim Warren, ACAF Executive Director

I am on vacation as of this writing, and I just pulled into a new location for a couple days. I've been traveling for four days on both asphalt and concrete. My very significant other—my wife and partner for 31 years, Donna—offers one of the best critiques of concrete and a great argument for why asphalt is better. Concrete whines and is bumpy, which makes it difficult to drink the almighty cup of coffee that keeps us going. Asphalt blends seamlessly into the landscape and allows travelers to partake of the surroundings, providing the best surface to travel on.

Lane markings are clear and unobstructed and the road is smooth—very smooth. It makes the entire experience of traveling better, particularly in new surroundings. Honestly, dodging potholes or bumpy pavement takes away from the

spirit of vacation: a time to relax, recover and rebuild.

So what you do as an industry matters. You provide much more than a means to get from point A to point B. You are part of the journey! You are intimately involved in people's lives! Everyone who drives a car or motorcycle, walks, runs or bikes, is in direct contact with asphalt—and asphalt is so much more than a road.

Asphalt is part of the journey! Let that sink in.

What your plant and paving crews do matters. The uniformity of the aggregate that you sell matters. The homogeneity of the binder you supply matters. The quality of the equipment you sell matters. The quality of the services your company provides matters. The professionalism that you, as the agency steward of the tax dollars you manage, matters.

Every one of you goes with our customers as they use our product. We ride along, if you will, as they weave around





the county, state and nation, either on business or vacation. We are shielding the kids on the bus that travels to summer camp, riding along with those who are attending family reunions, protecting the freshman student as they go away to their first year of college, caring for the family as they head to the beach or mountains for a needed break, and protecting the contents of a home as a family moves into a new house.

So, the process of designing and constructing an asphalt pavement has long-term consequences for both you and your customer. Done with quality and professionalism, asphalt pavements are like no other, unequalled in ride and satisfaction given. Done wrong or with lack of focus, we drop the ball for both ourselves and our customers. Everyone from the CEO to the luteman impacts the lives of thousands every day for years.

It is a big responsibility that those in our industry, be it a family-held company or an international vertically-integrated organization, have stepped up to daily for decades. I encourage all of you to choose the better way...the right way...the asphalt way.

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Prepping for Election Season

Jim Cordero, ACAF Director of Governmental Affairs



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We are off to the races again. The 2018 election cycle is officially underway with the closing of the qualifying period for state and local offices on Friday, June 22. The same period for federal offices, including Congress and judicial offices like State Attorney, closed earlier in May.

The 2018 elections are especially important, considering Florida has a U.S. Senate race, 27 House Congressional seats¹ and the Governor's office, as well as the other seats in the Florida Cabinet², the Senate and House seats of the Florida Legislature³ and scores of other local and special district offices. There are a record number of individuals that have qualified for office this election cycle, making

for a very long ballot. Twenty-seven people have qualified for the Governor's office alone, seven of whom are write-in candidates, meaning their names will not appear on the November General Election ballot.

On the legislative front, of the 20 Senate seats up for election, only three were unopposed, and of the 120 House races, 22 were unopposed, but nearly a third⁴ of the opposed House seats are open races, meaning there will be a big

increase of new freshmen House members this fall.

It will be very important for you and your employees, family and friends to know who is on the ballot in your area and which candidates for the legislature are important to our industry. While there will be so much focus on the big statewide races and Congressional races, the legislative races are the ones that are closer to your everyday way of life and business. Having the people who hold

these offices understand our issues and the importance our industry plays in the health of Florida's strong economy is crucial.

Get to know these candidates and find out where they stand on the pertinent issues, such as maintaining a strong infrastructure and providing adequate resources to fund them.

On the Florida Department of State website, you can register to vote, check your voter status and polling place or request an absentee ballot that you can mail in if unable to go to the polls on election day. The two dates to remember are August 28, 2018 for the primary election and November 6, 2018 for the general election. The deadline to register to vote to be able to participate in the elections is 29 days prior to each election. Please take the time to register and then vote. If you need any assistance or have questions, please contact me at the ACAF office.

Your participation in the election process is important to the future of Florida. **A**

To register to vote or check to see your voter status, go to <http://dos.myflorida.com/elections/for-voters/check-your-voter-status-and-polling-place/>.

Endnotes

- 1 Only two of the 27 Congressional seats were unopposed.
- 2 Florida Cabinet is composed of the governor, attorney general, chief financial officer and the commissioner of agriculture, each office carrying a limit of two four-year terms.
- 3 Twenty of the 40 Florida Senate seats and all 120 of the Florida House of Representatives are up for election.
- 4 37 of the 120 House seats are open races.

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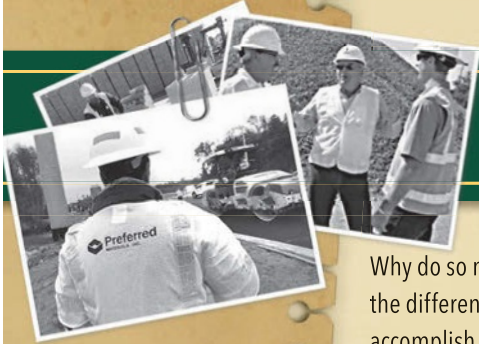
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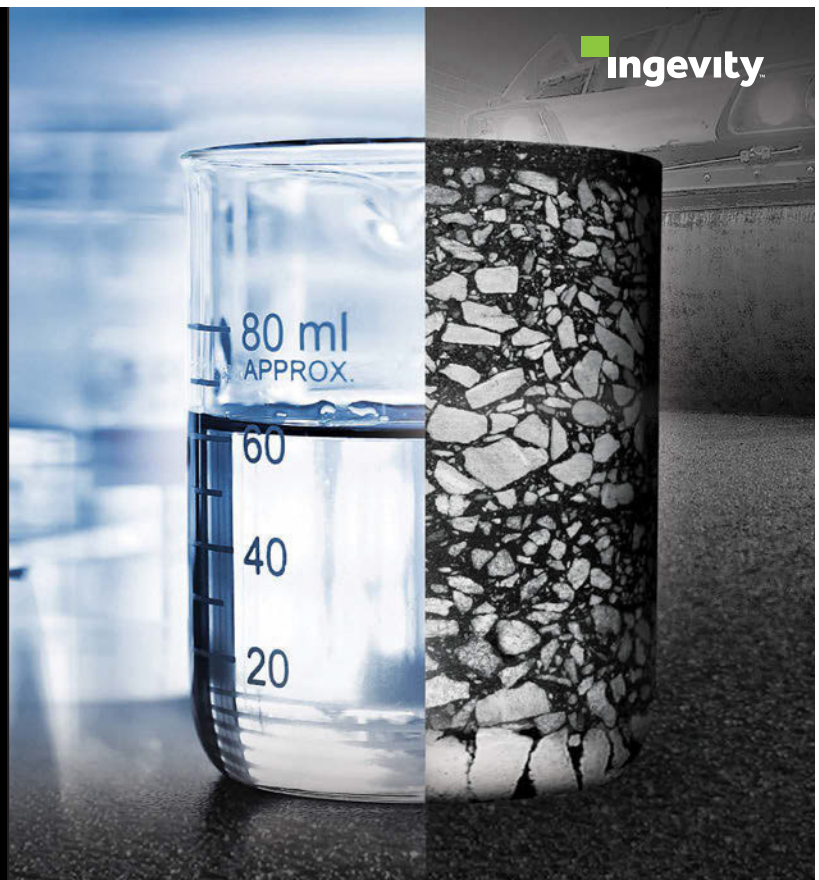
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The *Superb* 61st Annual ACAF *Convention!*





ACAF's 61st Annual ACAF Convention was held June 14-16, 2018 at the World Golf Village in St. Augustine. More than 210 pre-registered for the event, and it was complete with quality presentations, good food and good conversation.

Presentations on safety by Mark Marine (Preferred Materials) and paving for managers by Todd Mansell (Caterpillar Paving Products)—as well as a millennial panel discussion led by Dr. Ed Moore (ICUF) and including Mike Lemke (DAB Constructors), Molly Soltis (Duval Asphalt), Sam Loumani (AJAX Paving Industries) and Mike Marine—certainly sparked a lot of conversation during the convention. The afternoon FDOT panel of Dave Sadler, Rich Hewitt, Howie Mosely, and Greg Sholar was also lively and productive, including discussion of current hot issues. These presentations and more are available on the ACAF website.

At the general session, Kevin Wall (Anderson Columbia) was thanked and recognized for his two-year term as ACAF president, and Dan Weekley (Weekley Asphalt) was welcomed in as the next president. Guest speakers at the general session included Stephen Shiver (The Advocacy Group), Dr. Ed Moore (Independent Colleges and Universities of Florida) and William Brewer (Florida Department of Corrections).

Friday evening consisted of entertainment by a local band with Luis Mario Peral and a Spanish-themed dinner. Saturday included the Annual V.E. Whitehurst Memorial Golf Tournament, a Corvette show at World Golf Village and the annual awards banquet.

In addition to our annual awards program—which included Middlesex receiving the Statewide A.P. Bolton award for their turnpike project, Halley Engineering receiving their first recognition in the form of a statewide award for urban resurfacing for Biscayne Boulevard and V.E. Whitehurst winning the statewide rural resurfacing award for their project on SR100—a total of 23 projects were recognized for superior quality. Four scholarships were presented this year, two for college and two for trade school, to some dedicated young people.

A big “thank you” to our sponsors this year for their commitment and support of the convention. Next year’s convention will be at the Turnberry Isle Miami resort June 19-23, 2019. **A**



61st Annual ACAF Convention

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Business Session



ACAF wins its second NAPA Website award! First won in 2010, ACAF's redesigned website and App also garnered a NAPA Award in 2018. Jim Cordero (right) receives the plaque from 2018 NAPA Chairman Dan Gallagher (left).

Golf Outing

The 2018 V.E. Whitehurst
Tournament raised
more than \$6,900 for
the Florida Asphalt
Scholarship Program!

Thank You!



This Year's Convention Sponsors Included:

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2018 Florida Asphalt Scholarship Awards

We are pleased to award two Carroll Lance Memorial college scholarships this year. The scholarship is awarded in memory of Carroll Lance, who was the executive director of ACAF for 29 years. After his passing, an endowment was set up in his name and fully funded by contractors and friends.



The winner of the first of this year's Carroll Lance Memorial Scholarship was Lindsay Barlow. Lindsay plans to enroll at the University of Florida and major in civil engineering. She is a gymnastics coach and also worked in Broward County teaching dance to children with special needs. With heart for others, Lindsay is bound for good things.



The second Carroll Lance Memorial Scholarship winner this year is Justin Mosley. Justin plans to study business management at Wayne State College in Nebraska and play football for the school on a scholarship. Justin is going to do well, seeking to finish college with little debt and a degree and fulfil his dream to play college ball—he is truly ready to start the next chapter of life.

Finally, we are pleased to also present two Florida Asphalt Scholarship Program (FASP) trade school awards this year. We need talented skilled tradesmen and tradeswomen to make our industry work, and these scholarships help propel students to success.



The first trade school scholarship is presented to Jose Luis Menendez. Jose plans to enter Florida Technical College and study for his electrical diploma. He has already been working for Prime Electric for the past year and a half. Involved in Junior ROTC in high school and a volunteer in feeding the needy and helping those less fortunate, this is another well-grounded (pun intended) young man who looks to help out as he gets help up.



The second trade scholarship goes to Ronald Kaisen. Ronald is already pursuing welding at the Tulsa Welding School in Jacksonville, after which he plans on working towards a business degree. Ronald received a certificate at the four-year Weltz Academy of Construction at Seminole Ridge High School and has helped build Habit for Humanity homes. A hard-working and driven young man, Ronald will go far.



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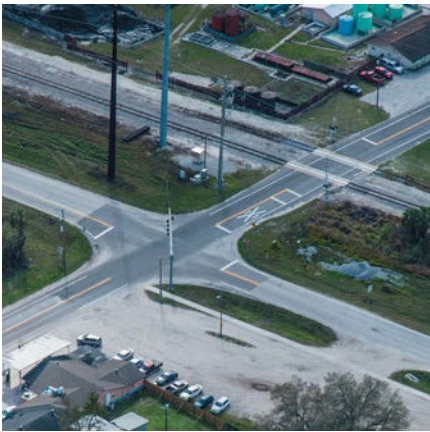
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Congratulations to the 2018 ACAF Pavement Award Winners

Special Projects



District 1: Lane Construction Industries for their project on SR 64 at CR 663 RR Xing from West of CR 663 to East of CR 663 in Hardee County.

Tonnage: 289.02, Lane Miles: 0.17



District 1: Ranger Construction Industries for their project at Lakeland Linder Airport Taxiway "G" in Polk County.

Tonnage: 3159, Lane Miles: N/A



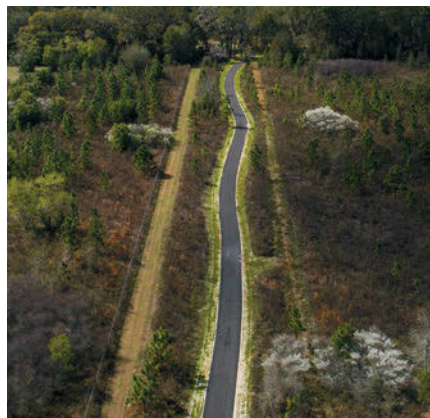
District 4: General Asphalt Company, Inc. for their rehabilitation project at Belle Glade State Municipal Airport Runway 9/27 in Palm Beach County.

Tonnage: 5145.90, Lane Miles: 0.71



District 4: Ranger Construction Industries for their project at PBI Airport Runway 10R-28L in Palm Beach County.

Tonnage: 5136, Lane Miles: N/A



District 5: D.A.B. Constructors for their bike trail project from SW 49th Ave. to Santos Trailhead in Marion County.

Tonnage: 5731.68, Lane Miles: 10.07



District 7: Lane Construction Industries for their project on SR 574 from East Ida Street to west of 30th and from east of 38th Street to 39th Street in Hillsborough County.

Tonnage: 495.82, Lane Miles: 0.38

Roads and Streets—Non-FDOT Award



District 2 Honorable Mention: V.E. Whitehurst & Sons for their project on 180th Street from US 129 to CR 49 in Suwannee County.
Tonnage: 7133.80, Lane Miles: 9.05



District 5 Honorable Mention: Preferred Materials, Inc. for their project on SR 408 from the east side of Lake Underhill Bridge to Yuctan Drive in Orange County.
Tonnage: 24000, Lane Miles: 7.02



District 7 Honorable Mention: D.A.B. Constructors, Inc. for their project from the west end of Ft. Island Trail to Dixie Shores Drive in Citrus County.
Tonnage: 7975.29, Lane Miles: 1.11

Roads & Streets—FDOT Award



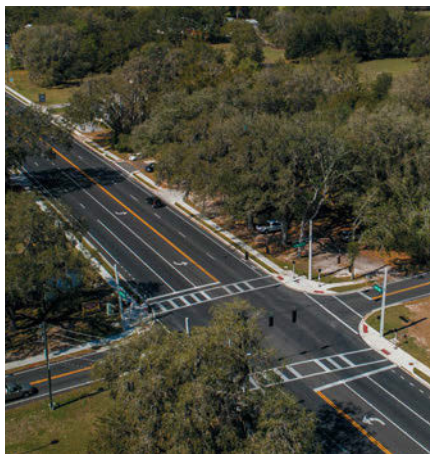
District 1: Preferred Materials, Inc. for their project on SR 600 between Walker Road and Jersey Road in Auburndale in Polk County.
Tonnage: 13339, Lane Miles: 5.4



District 2: Duval Asphalt Products, Inc. for their project on SR 103 (Lane Ave.) from Normandy Blvd. to the railroad tracks at US 90 in Duval County.
Tonnage: 7897, Lane Miles: 6.0



District 4: Ranger Construction Industries, Inc. for their project on SR 786 (PGA Blvd.) from SR 710 (Beeline Hwy.) to the C-18 Canal in Palm Beach County.
Tonnage: 31651, Lane Miles: 1.91



District 5: D.A.B. Constructors, Inc. for their project on SR 48, MP 8.634 to 9.999 in Sumter County.
Tonnage: 12834, Lane Miles: 6.827



District 6: General Asphalt Company, Inc. for their project on SR 997/Krome Ave./NW 177th Ave. north of 8th Street from MP 0.657 to MP 5.121 in Miami-Dade County.
Tonnage: 29441, Lane Miles: 17.9

Rural Resurfacing Award



District 1: Ranger Construction Industries, Inc. for their project on SR 60 from the east of CR 630 to the Kissimmee River Bridge in Polk County.

Tonnage: 24261, Lane Miles: 24.52



District 3: CWR Contracting, Inc. for their project on SR 2 from CR 177 to Ten Mile Creek in Holmes County.

Tonnage: 11033, Lane Miles: 3.92



District 2 and Statewide Winner:

V.E. Whitehurst & Sons, Inc. for their project on SR 100 from Bradford County Line to 8th Ave. in Lake Butler in Union County.

Tonnage: 10710, Lane Miles 6.85



District 4: Halley Engineering Contractors, Inc. for their project on SR 93 (I-75) from north of SW 14th Street (Indian Trace) to South of the I-595 interchange in Broward County.

Tonnage: 16437, Lane Miles: 7.58



District 6: Ranger Construction Industries, Inc. for their project on SR 90 from west of Loop Rd. to west of Everglades Preserve and from east of Collier Circle to west of Krome Ave. in Miami-Dade County.

Tonnage: 20202, Lane Miles: 19.6

Urban Resurfacing Award



District 1: Ajax Paving Industries of FL for their project on SR 758 Bee Ridge Rd. from Siesta Dr. to Siesta Place and from SR 45 (US 41) to Dunn Dr. in Sarasota County.
Tonnage: 30927, Lane Miles: 26.75



District 6 and Statewide Winner: Halley Engineering Contractors, Inc. for their project on SR 5/Biscayne Blvd. from NE 151 Street to NE 196 Street in Miami-Dade County.
Tonnage: 20582, Lane Miles: 25.2



District 2: Preferred Materials, Inc. for their project on SR 26/Newberry Road from NW 80th Blvd. going east to SW 38th St. in Alachua County.
Tonnage: 29597, Lane Miles: 17.4

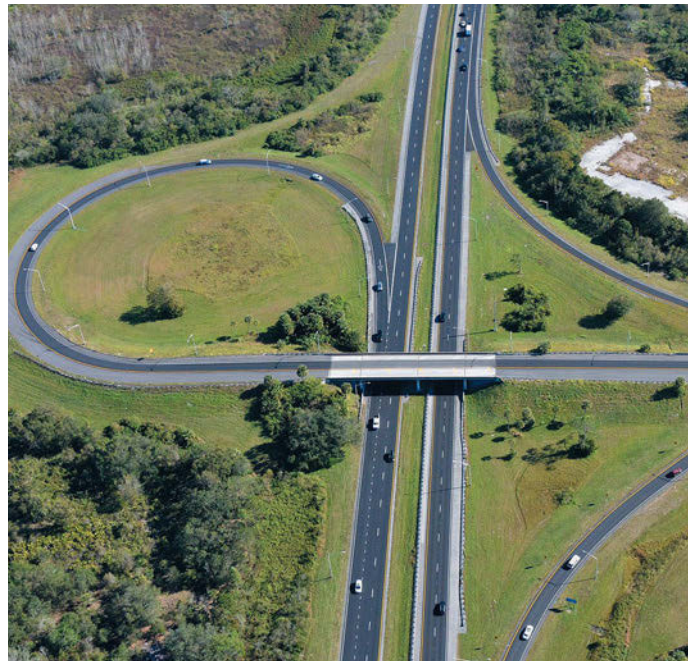
A.P. Bolton Award



District 2: P & S Paving, Inc. for their project on SR 19 from Marion County Line to Barge Canal Bridge in Putnam County.
Tonnage: 31320, Lane Miles: 22.25



District 3: Anderson Columbia Company for their project on SR 8 East of SR 71 to East of CR 69a (I-10) in Jackson County.
Tonnage: 46692, Lane Miles: 30.2



District 8 and Statewide Winner: The Middlesex Corporation for their project from Osceola Parkway to Kissimmee Park Road in Osceola County.
Tonnage: 61329, Lane Miles: 38.8

2018 Asphalt Conference is Coming Soon!

Annual Event Set for November 27-28, 2018 in Orlando

TUESDAY, NOVEMBER 27, 2018

Noon to 3:00 p.m.
Trade Show Setup

3:00 to 7:30 p.m.
Trade Show Exhibits

5:30 to 7:30 p.m.
Reception in Trade Show Area

WEDNESDAY, NOVEMBER 28, 2018

7:30 to 8:30 a.m.
Buffet Breakfast (Trade Show Open)

8:30 a.m. to 12:00 p.m.
Asphalt Conference

10:00 to 10:30 a.m.
Morning Break (Trade Show Open)

Noon to 1:00 p.m.
Buffet Lunch (Trade Show Open)

1:00 p.m.
Trade Show Break Down

1:00 p.m. to 4:00 p.m. (or Till End)
Asphalt Conference

For more information, visit
[http://floridaridesonus.org/events/
asphalt-conference/](http://floridaridesonus.org/events/asphalt-conference/).



Florida DOT Incentive/Disincentive Ride Specification

Background:

The committee has been through several evolutions over the years, even restarting a couple of times as major advances in equipment and technology came into play. The committee has been a joint activity including both Department and Industry representatives. The committee has been through several evolutions over the years, and even had to restart a couple times as major advances in equipment technology came into play.

There are a number of different types of equipment that could be used to measure the smoothness of the roadway. Over the years, the technology has evolved from a short device, like the rolling straightedge, which is used to find bumps or dips in the mat—to high speed devices that can simulate what the vehicle driver actually feels at speed—measuring a ride over a much great area than a mechanical device could measure—true smoothness.

Laser inertial profilers are devices that can measure the smoothness of pavements at highway speeds. Software is used to model vehicle responses to the collected profile data and determine the Ride Number (RN) or the International Roughness Index (IRI) which measures in inches per mile. IRI has become the defacto standard for smoothness measurement all over the world. The move to IRI brings Florida up to speed with the rest of the nation, and complies with Federal standards for pavement performance reporting.

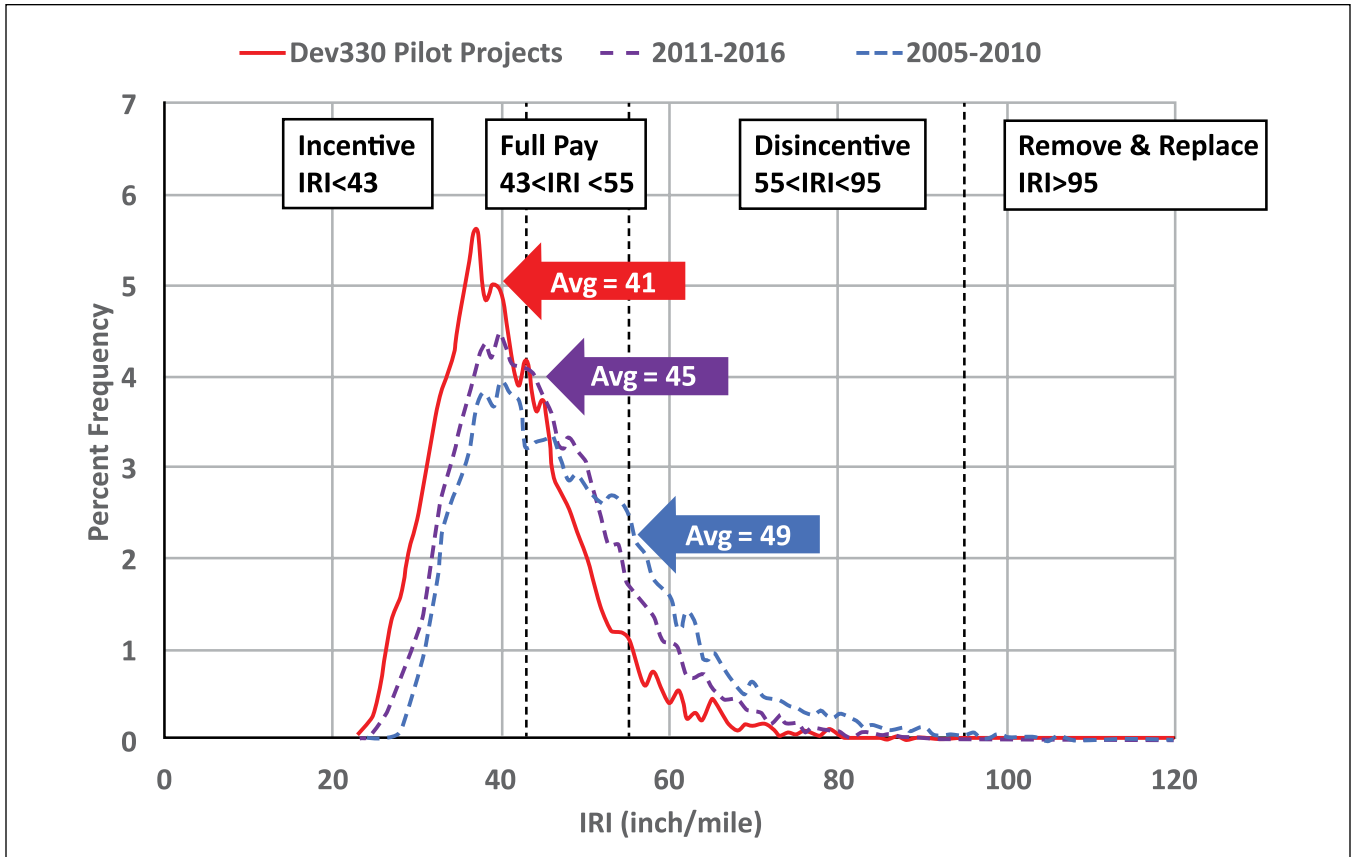
The Department collects ride data on all the state funded roadways annually and has a massive database of real-life project to pull from. This is part of the pavement management system that FDOT collects, maintains, and uses to predict pavement performance and drive the 5-year work program. For this activity, that construction acceptance data was used to determine specification limits and is shown in the graph for the 2005-2010

time frame, the 2011-2016 time frame, and the pilot projects.

As ride characteristics vary by roadway type and speed, the committee decided a few years ago to focus on the most critical roadway type where smoothness matters the most—Limited Access Highways.

The graph on the following page shows three distributions of limited access data collected over three different intervals. The light blue curve shows data from a 6-year interval (2005 through 2010) and has an average of 49 inches per mile (a very good ride). For IRI, a lower number is a smoother ride. The darker purple line shows data from another 6-year interval (2011 through 2016) which shows an improvement to an average of 45 inches per mile. This shows the asphalt industry has been making significant strides to build smoother pavements through increased focused on paving basics and including new technology like material transfer vehicles.





Specification:

The boxes on the above graph indicate the basics of the new I/D specification. Full Pay for the LOT has an IRI between 43 and 55 inches per mile. Incentive pay (\$20 per IRI point) is awarded for LOTs less than 43 with a maximum incentive at an IRI of 36. Disincentive pay (\$20 per IRI point) starts at 56 and ends at an IRI of 95. Anything great than a 95 IRI must be replaced.

The project is broken down into 0.1 mile LOTs. The profiler is run on

the friction course and the IRI for each LOT is calculated. The LOT IRI is compared against the table and the Incentive or Disincentive (I/D) pay is determined for that LOT. The LOTs are summed to determine the I/D pay for the project. There is an additional 3 percent consistency bonus available for the project if all the LOTs on the project are less than or equal to 55. Theoretically, it is possible to achieve a maximum of 8 percent of the cost of the FC-5 by maxing out the

incentive and also achieving the consistency bonus.

Below is an example of a partial print out from a pilot project. The profiler measures the IRI in both the left and right wheelpath and averages the result. Based on the Incentive/Disincentive Table, an incentive, full pay, or disincentive is calculated and reported in the final column for each LOT. The project data is summed to determine the project incentive/disincentive.

From	To	Rough Dist	IRI Left	IRI Right	IRI Avg.	Incentive/Disincentive
16.682	16.782	0.100	47	50	49	\$0.00
16.782	16.882	0.100	39	40	40	\$60.00
16.882	16.982	0.100	35	39	37	\$120.00
16.982	17.082	0.100	43	44	44	\$0.00
17.082	17.182	0.100	38	40	39	\$80.00
17.182	17.282	0.040	52	49	50	\$0.00
17.282	17.382	0.100	35	36	35	\$160.00

Pilot Projects:

A series of pilot projects were constructed over the last several years with the proposed incentive/disincentive (I/D) specification. Essentially, the proposed specification removes the requirement for the contract to run the rolling straight-edge during construction and prior to friction course. The process control of the paving is released to the contractor to do whatever testing they deem to ensure the pavements meet the final specification.

At this writing, 31 Pilot Projects were let and completed around the state totaling 784 lane miles. The average incentive on all the projects was 41, which is 4 points less than previous 5-year data set—another significant improvement. In general, most contractors upped their game during these pilot projects to see what they could do. The maximum bonus on all the pilot projects was \$118,238 and the minimum was a negative \$18,860. The average was \$21,123. Another way of looking at this was Incentive per lane mile. The total dollars paid was \$654,798 over a total of 784.2 lane miles for an average incentive of \$834 per lane mile. Three projects received the 3 percent consistency bonus. Regarding ride improvement, the average IRI at pre-construction was 66 in/mile, the average structural IRI was 52 in/mile and the average friction course IRI was 40 in/mile.

After the pilots were essentially completed the Department made the decision to move away from the point laser to equip



their vehicles with a line laser. The line laser reduces variability due to surface texture. The line laser essentially smooths out the macrotexture of the surface and can lower the IRI several points (lower is smoother).

Equipment Certification:

The State Materials Office constructed a certification track in Williston, FL. The track is 3,700 feet long in a single lane located within the Williston Municipal Airport. The project has both open-graded (FC-5) and dense-graded (FC-12.5) friction courses each containing a 528-foot smooth and 528-foot medium-smooth test section. With the sections, IRI ranges from 34 in/mi to 105 in/mi. All the profilers FDOT maintains will be certified on this track as well as the drivers. This ensures accuracy and repeatability for acceptance testing. In addition, SMO is in the process of identifying specific locations around the state that can be used as a local check to verify equipment.

An equipment rodeo was held on April 4, 2018; 10 different profiler systems representing four different manufacturers participated. Several profiler service providers were also present and industry was invited to participate, look at the equipment, and test drive the different systems. Their equipment was put through the paces and the State Materials Office analyzed the results. Additional work is being conducted to refine the certification criteria for open graded mixes but will be completed this fall.

One significant takeaway from the equipment rodeo was the discussion on how to use the profiler data. By profiling the structural course, or any course, the IRI data can be processed using various 'grinding solution' software to help determine



what locations need to be addressed to help minimize the IRI after the friction course is placed. The data can even be processed using a rolling straightedge app to locate high and low spots on the pavement.

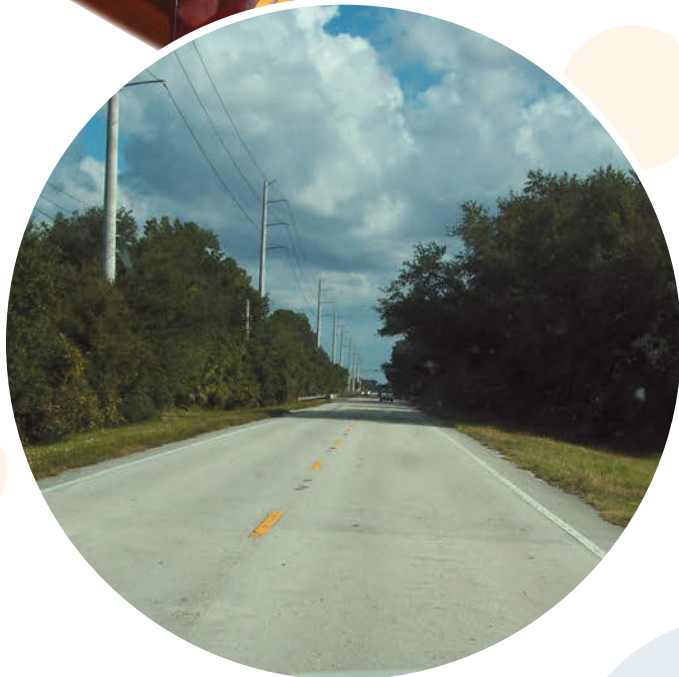
Opportunities to Shine:

What has been found during the process is that a good contractor, exercising best practices and good process control, should be able to meet the 100 percent pay range of this specification. The contractor is now freed up to use whatever means they see fit to meet the specification. Some may elect to continue to use the rolling straightedge to find localized bumps during paving. Some may elect to contract out profiler services or buy their own profiler equipment. What has been found during the process, that a good contractor, exercising best practices and good process control should be able to meet the 100 percent pay range of this specification. By paying close attention to paving operations on each course of asphalt including the milling operation, the contractor should be able to gain incentive pay. With even more attention, the 3 percent consistency bonus is obtainable.

Florida has some of the smoothest roads in the nation. Under this specification, the contractor can get some return on their investment in the project. The taxpayer also gains, as smoother roads are safer and last longer making asphalt pavements a better value for everyone. **A**



2017 Perpetual Pavement Award



Florida State Road 415 in Volusia County, Florida is a rural two-lane arterial road near New Smyrna Beach (from milepost 7.446 to milepost 17.590, approx. 9.270 miles). The original pavement was constructed in 1956.

The original pavement design, obtained from the typical section sheet in as-built plans, consists of:

- 12" of Stabilized Subgrade (26' wide),
- 8" of Limerock Base (24' wide), and
- 0.6" Type 2 double surface treatment (no structural value).

The pavement was resurfaced prior to 1981:

- No milling of the pavement, and
- 1" of Type I or II Surface Course Pavement.

The pavement was resurfaced again in 1999 with the intent of implementing:

- No milling of the pavement,
- 0.75" of Leveling Course Type S-3 Asphalt,
- 1.5" of Structural Course Type S Asphalt, and
- 0.6" of Open Grade Friction Course (FC-2).

In 2001, the pavement underwent:

- 2.5" Milling of the pavement,
- 1.5" of Superpave HMA, and
- 1.5" of FC-6 Dense Grade Friction Course.



The last rehabilitation for this section occurred back in 2001. There has been no major maintenance activity to address pavement issues since 2002, regardless of the yearly increases in truck traffic.

The State of Florida rates each of its pavements annually on a 0 (worst) to 10 (best) scale for cracking, ride quality and rut depth. A pavement is considered deficient if any single rating is less than 6.5. The existing pavement, which is currently 14 years old, has current pavement condition ratings of 7.0 cracking, 7.7 ride and 9.0 rut. There is no project scheduled for this section, nor is the section in the Five-Year Work Program development cycle.

Florida has climatic conditions that are not ideal for pavement preservation. The Volusia County area of Florida has an average annual rainfall of about 49.7 inches. Keeping the pavement structure dry and above the groundwater is critical to achieving a long-lasting pavement. This area also receives an abundance of sunshine, which can make pavement more susceptible to cracking.

Additionally, there have been three hurricanes (Charley, Frances and Jeanne) that have adversely affected the Volusia County area. And finally, in May 2009 alone, the Volusia County area received between 12 and 24 inches of rain. In spite of these factors, this pavement has continued to have superior performance.

Currently, the annual average daily traffic (AADT) is about 9,000 vehicles, with approximately 16 percent trucks. It is estimated that this roadway has carried about 10.4 million equivalent single axel loads (ESALs) over its 60-year life, which greatly exceeds the ESALs of previous Florida nominees.

The pavement thickness for State Road 415 in Volusia County, as that of many truck routes, was increased significantly during its early years, and during the lifetime of the pavement there were only four years the section was considered deficient due to cracking. To accomplish this in a climate with 49.7 inches of annual rainfall while baking in the Florida sun day after day is truly amazing.

State Road 415 has provided excellent value and return-on-investment to the residents of Volusia County and the State of Florida. This section of roadway should be considered a model for other perpetual pavements. **A**

Note: The Florida Department of Transportation received the Perpetual Pavement Award at the 2017 Asphalt Conference in November 2017. This was the Department's 7th Perpetual Pavement Award. We are pleased to announce the Department will receive its 8th award at the 42nd Asphalt Conference in November 2018.



ACAF Calendar 2018-2019

SEPTEMBER

- 26 FDOT Central Letting
- Sept. 30- ARTBA National Convention,
Oct. 3 *New York, NY*

OCTOBER

- Sept. 30- ARTBA National Convention,
Oct. 3 *New York, NY*
- 10 District 4, 6 & Turnpike
Contractors Meeting
- 11 District 2 Contractors Meeting
- 13 FASP Sporting Clays Fundraiser
Lithia, FL
- 22 District 3 Contractors Meeting
- 23 District 7 Contractors Meeting
- 24 District 5 Contractors Meeting
- 25 District 1 Contractors Meeting
- 28-31 ACEC Fall Conference, *Las Vegas, NV*
- 31 FDOT Central Letting

NOVEMBER

- 12-15 SEAUPG Annual Meeting, *Raleigh, NC*
- 27-28 ACAF 42nd Annual Asphalt Conference
& Tradeshow, *Orlando, FL*

DECEMBER

- 5 FDOT Central Letting

JANUARY

- 20-23 NAPA Annual Meeting
Marco Island, FL
- 30 FDOT Central Letting

FEBRUARY

- 12-14 World of Asphalt
Indianapolis, IN
- 27 FDOT Central Letting

MARCH

- 27 FDOT Central Letting

2018 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!

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Proud to Welcome **TANYA NASH, P.E.** Pavement Materials Engineer

Nationally known for her dedication and contributions to the industry through her commitment to multiple state and national committees and research projects, Tanya is a reputable addition to the ATS team. Exposure to international specifications and test methods led Tanya to experience the vast uses and challenges of asphalt pavements and products worldwide while expanding her knowledge in asphalt properties and characteristics. Her technical insight paired with her experience in research and field operations provides ATS customers with thorough assessments after completing site investigations and forensic analysis cases.



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Steve McReynolds | Director of Operations

Steve brings his 17 years of industry knowledge and experience to ATS. Considered the “Asphalt Technical Expert” during his tenure with the FDOT, he is known for his consultative and technical advice providing strategic problem solving with a variety of solutions. His broad spectrum of construction knowledge and extensive application of project Specification requirements ensures ATS customers are always compliant with state and local government regulations.



Rhonda Hale | Lab Manager

Rhonda brings over 19 years of industry expertise to ATS from the FDOT. She has always been on the forefront of innovation by continuing to improve processes, procedures and techniques to ensure her team is highly qualified. Her labs consistently exceed the required level of efficiency due to her management of proper accreditations: and equipment calibrations. Rhonda is known for her technical knowledge and attention to detail which provides ATS customers with timely, comprehensive and meticulous reporting.



Gene Knagge | Asphalt Mix Designer

Creating value-engineered mix designs for companies across Florida for the past 18 years, Gene’s knowledge of mix structure and mix performance makes him an integral part of the ATS team. He is a credit to his field producing over 900 FDOT approved designs in addition to hundreds of approved FAA and Marshall mix designs. His experience gives him the ability to incorporate the correct mix components for the most cost-effective solutions delivering dependable and accurate product results to ATS customers.