

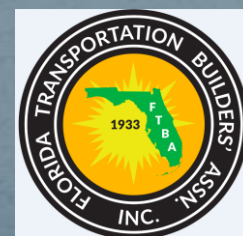
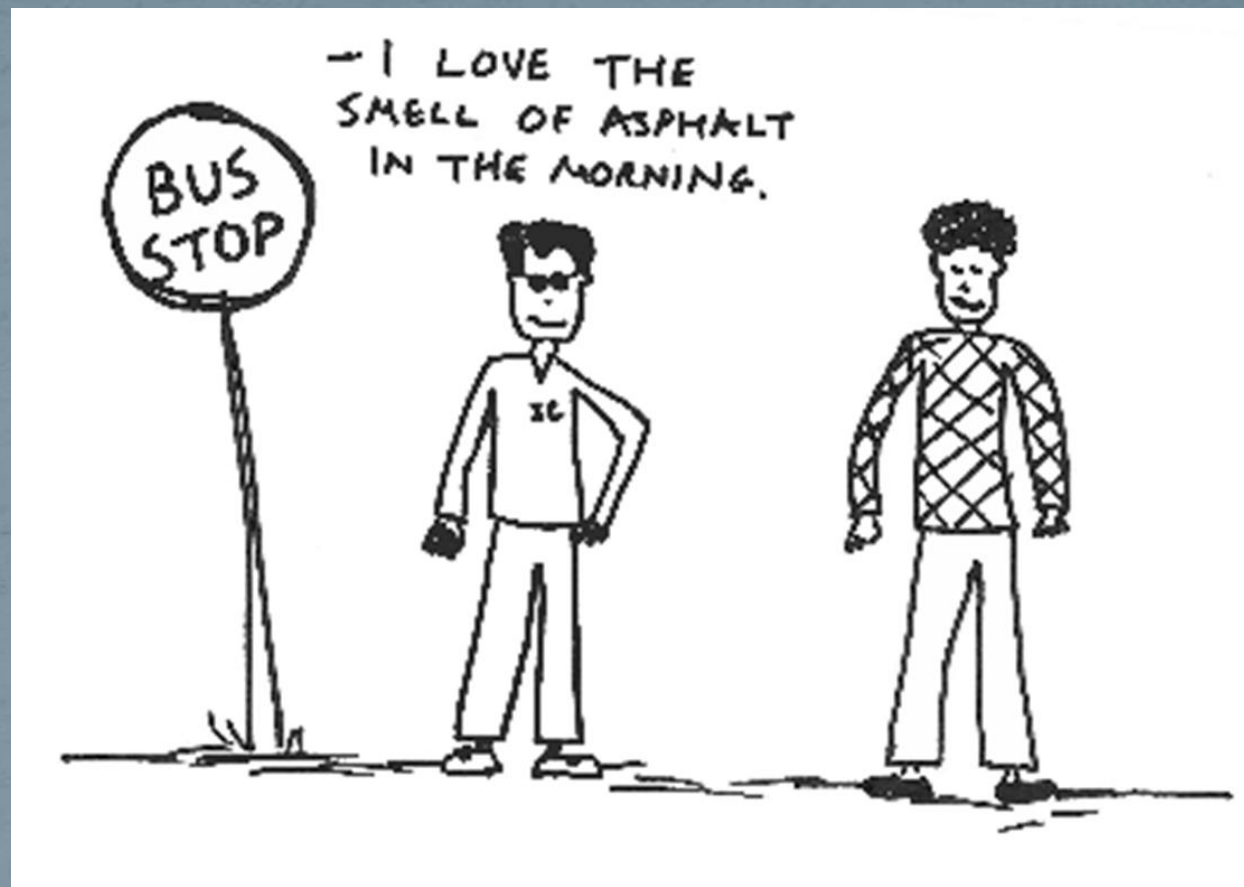


FLORIDA WORK ZONE SAFETY COALITION



ACAF
ANNUAL CONFERENCE
FLWZSC UPDATE
Mark S. Marine

DoubleTree Hotel
Universal Studios
Orlando, Florida
December 11, 2019



UNDER CONSTRUCTION

FLORIDA WORK ZONE SAFETY COALITION



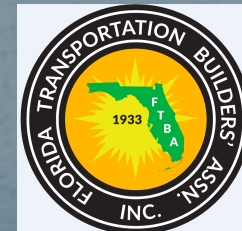
ACAF PARADIGM SHIFT

ACAF Annual Convention

June 19, 2015

Gaylord Palms, Kissimmee

11:00AM



ASPHALT CONTRACTORS ASSOCIATION OF FLORIDA, INC.
1007 S. Decatur Park Drive, Suite 201
Tallahassee, Florida 32301
Phone: 920-222-7200 Fax: 920-722-8422 Website: <http://www.floridacac.org>
Jim Warren, Executive Director

2015 CONVENTION SCHEDULE

Thursday, June 18, 2015

2:00 - 5:00PM Registration Open
2:00 - 5:00PM Hospitality Suite Open

Friday, June 19, 2015

7:00 - 8:00AM Continental Breakfast
8:00 - 11:45AM Morning Technical Session
8:00-8:30 Issues Update - Jim Warren, ACAF
8:30-9:00 Politics - Why you need to be involved - Ryan Tyson, Associated Industries of Florida
9:00-9:30 Break
9:30-10:30 Making It Happen In the 'Real World' - How to Ensure Best Operating Practices and Best Maintenance Practices Daily
T.J. Young, Duval Asphalt
10:30-11:00 Break
11:00-11:45 **Work Zone Intrusion Prevention - Lee Cole, Oldcastle Materials**
9:00 - 10:00AM Spouse's Breakfast
11:45 - 1:00PM Lunch
1:00 - 5:00PM Hospitality Suite Open
1:00 - 3:00PM Open Forum Discussion with FDOT
3:00 - 3:30PM Afternoon Break
3:30 - 5:00PM General Membership Meeting
6:00 - 8:00PM Friday Night Dinner, Entertainment Casino Night

Saturday, June 20, 2015

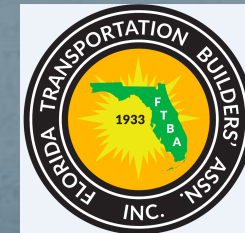
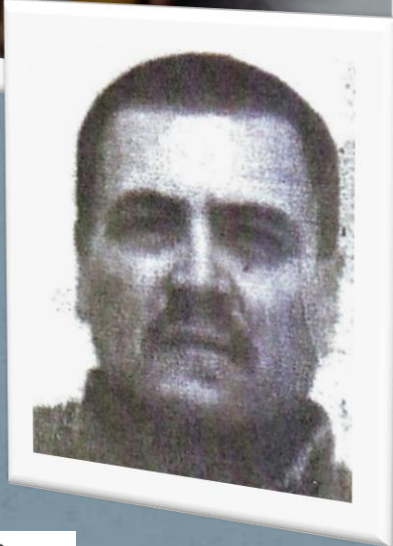
6:30 - 8:00AM Golfer's Breakfast
8:00 - 12:00PM Annual Whitehurst Golf Tournament
12:00 - 6:00PM Free time for family and friends to socialize
1:00 - 5:00PM Hospitality Suite Open
6:00 - 7:00PM Reception
7:00 - 10:00PM Annual Awards Banquet

Sunday, June 21, 2015

11:00AM Checkout

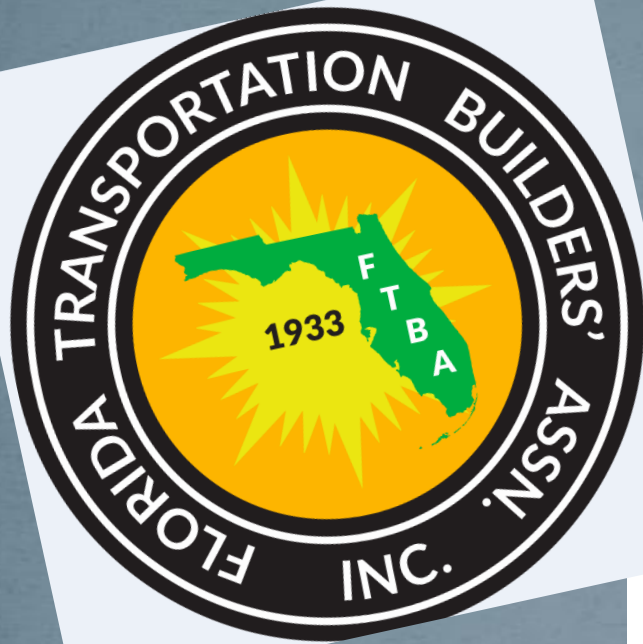


FLORIDA WORK ZONE SAFETY COALITION

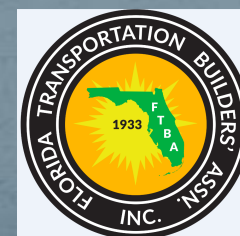


FLORIDA WORK ZONE SAFETY COALITION

UNDER CONSTRUCTION



**NATIONAL ASPHALT
PAVEMENT ASSOCIATION**





FLORIDA WORK ZONE SAFETY COALITION

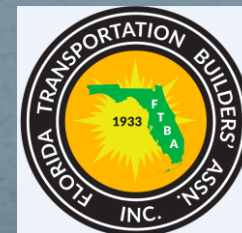


VISION STATEMENT

“A FATALITY FREE TRANSPORTATION
SYSTEM”

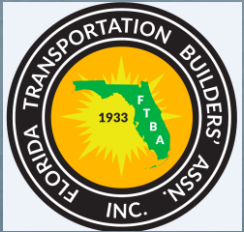
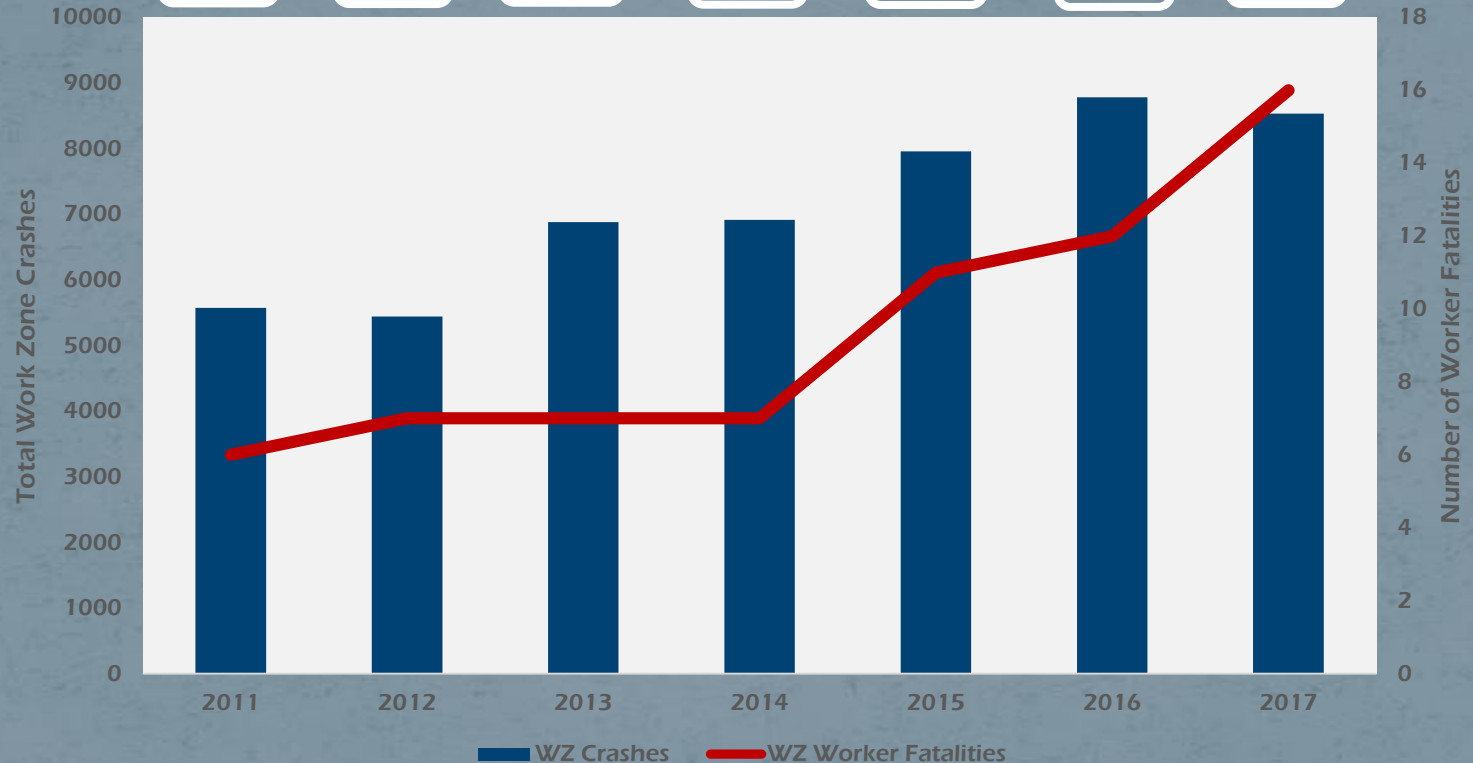
MISSION STATEMENT

Promote awareness and improve WORK
ZONE SAFETY for both our construction
workers and the traveling public.





FLORIDA WORK ZONE SAFETY COALITION





FLORIDA WORK ZONE SAFETY COALITION



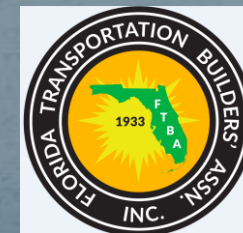
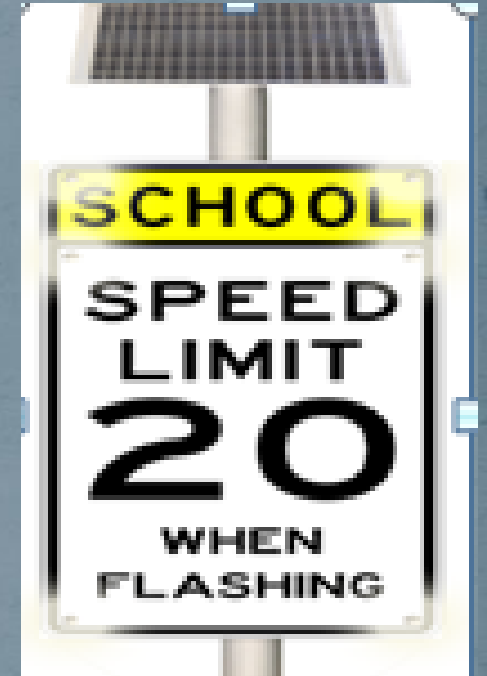
WHAT DOES SUCCESS LOOK LIKE FOR THE COALITION?



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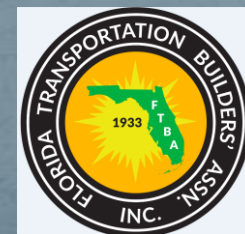


FLORIDA WORK ZONE SAFETY COALITION



Four Key Components to Success

- Education (Traveling Public AND Industry)
- Enforcement/Fines
- Legislative Partnering
- Additional Data Collection/Studies



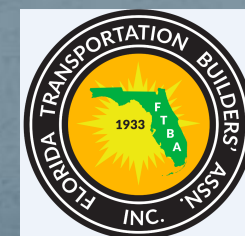


FLORIDA WORK ZONE SAFETY COALITION



EDUCATION

- Annual Update of Driver's License Manual
- ITS Awareness Through Promotions on Florida Roadways
- Enhanced Focus on Websites for ACAF, FTBA, NAPA, etc.
- Utilize Current Mapping Technology (Google, Waze)
- Leverage Social Media (Twitter/Instagram)
 - Julio Leganoa (Halley Engineering)
 - Diana Guarnizo (TransPermier Trucking)
 - Mark Musselman (ACAF)





FLORIDA WORK ZONE SAFETY COALITION



ENFORCEMENT

- Work Zone Equals School Zones by Enforcement Officials
- Recruit Florida Sheriff and Police Associations (Jamie Hill)
- Develop a Legislative Strategy for Increased Fines
 - SC HB 4033
 - Advanced Warning Active Device (“AWAD”)
 - Data Analysis After Deployment
 - Design Standards



FLORIDA WORK ZONE SAFETY COALITION

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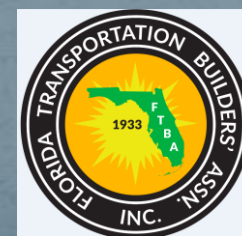
ACTIVE WORK ZONES

Proactive Alert In Active Work Zones

Mobile Units with Active Beacons

Post Potential Fines

Flashing Blue Lights Over 10 MPH?





FLORIDA WORK ZONE SAFETY COALITION



AJAX AWAD Test Project (I-4 in Hillsborough Co.)

Phase 1: Measure speeds through an active work zone under normal FDOT lane closures including the use of the MAS system. This was done in January 2019.

Phase 2: Per the standard created by FDOT Central Office, AWAD device was deployed and traffic data speeds measured through the active work zone. This was done in February and March 2019.

Results: Significant reduction in speeds over 60 MPH with AWAD in place. February reduced by 17% in February and 15% in March. **The AWAD device worked!**



FLORIDA HIGHWAY PATROL | OFFICE OF ANALYTICAL SUPPORT

July 24, 2019

remained in place through March, but not April, which would explain the increase for April and May. Based on these figures, the device caused traffic to drive slower when it was put in place.

Total Number of Vehicles Grouped by Up to 70 mph and Over 70 mph by Month

	2018			2019				
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
Up to 70 mph	63,167	59,673	1,130	119,154	495,062	82,246	299,608	73,738
Over 70 mph	4,014	9,034	210	10,141	11,315	4,116	106,854	27,468
Total Vehicles	67,181	68,707	1,340	129,295	506,377	86,362	406,462	101,206

	2018			2019				
	Oct	% of Total Vehicles	Nov	% of Total Vehicles	Dec	% of Total Vehicles	Jan	% of Total Vehicles
Up to 70 mph	63,167	94%	59,673	87%	1,130	84%	119,154	92%
Over 70 mph	4,014	6%	9,034	13%	210	16%	10,141	8%
Total Vehicles	67,181		68,707		1,340		129,295	

Based on the data for 70 mph, the months with a significant decrease in speed were February (2%) and March 2019 (5%). The month with the highest increase in speed was May 2018 (27%); however, this data was for a partial month only ending May 10, 2019. After the AWAD device was put in place in February, the percentage of vehicles driving over 70 mph decreased 6% from January to February. Based on these figures, the device caused traffic to drive slower when it was put into place.

Additionally, it should be noted that overall the total numbers of vehicles captured on the AWAD device increased significantly in February 2019 and again in April 2019 for reasons not known. In March, when the Hire Backs were placed on the 7th and 20th, there was not any AWAD data available. Therefore, it could not be determined if the Hire Backs made a difference in traffic speed those days.

Limitations:

After speaking to Tech Support with Houston Radar it was determined that after a period of time the data is erased automatically. How long this data is held is on the device is unknown. Additionally, the exact date and time the device has been active in this location is not known.

Recommendations:

Retrieving data for a longer time frame, possibly one year, will provide a better amount of data to analyze. More data will possibly help to determine if the AWAD device is causing vehicles to slow down in the designated area and if the AWAD device has a lasting effect on speeding.

Note: Houston Radar Stats Analyzer shows the posted speed limit for this device is 35 mph

FHP

Source: Houston Radar Stats Analyzer, AWAD
Prepared by: Angel Dollard, Senior Business Analyst,
Office of Analytical Support



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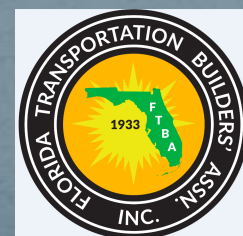
FLORIDA WORK ZONE SAFETY COALITION



Passed HB 4033 (5/19/17)



- Increased Work Zone Fines
 - Speeding (Was \$75-\$200, Now \$1,000)
 - Injure a Worker (\$2,000-\$5,000)
 - Up to 3 Years in Jail
- Fines Cannot Be Waived
- 65% of Fines to Work Zone Enforcement
- 25% of Fines to SCDOT To Hire Officers
- 10% of Fines to Local Municipalities

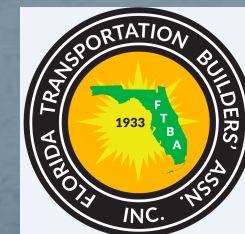




FLORIDA WORK ZONE SAFETY COALITION



Texting Law Requires “Hands Free” in School Zones AND Work Zones!

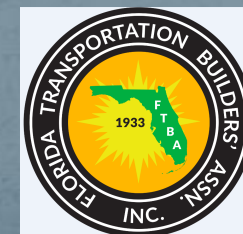




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Current Florida Statute 316.2397



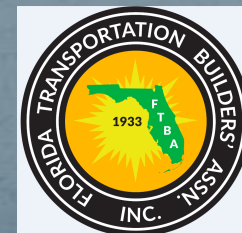


FLORIDA WORK ZONE SAFETY COALITION



Proposed Revision to Florida Statute 316.2397

- Regarding the utilization of Blue Lights in Paving Work Zone Operations
- State Senate Bill SB 1172 (Sponsored by State Senator Ben Albritton)
- “Construction vehicles within a work zone on roadways with a posted speed limit of 55 MPH or more may show or display flashing blue lights in conjunction with paving operations or where a hazard exists.”
- “Portable radar speed display units in advance of a work zone on roadways with a posted speed of 55 MPH or more may show or display flashing red and blue lights when workers are present.”



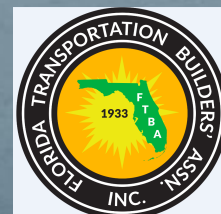


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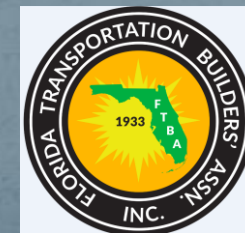
HOW CAN YOU GET INVOLVED?

msmarine@preferredmaterials.com
jleganoa@halleyeng.com
mmusselman@acaf.org





FLORIDA WORK ZONE SAFETY COALITION





FLORIDA WORK ZONE SAFETY COALITION



Dr. Pei-Sung Lin, P.D., P.E., PTOE, FITE

Dr. Pei-Sung Lin is the Director of ITS, Traffic Operations and Safety Program at the USF's Center for Urban Transportation Research (CUTR). He is also the Director of Florida Local Technical Assistance Program Center. Dr. Lin obtained his Master's Degree from the University of Texas at Austin and his Ph.D. from the University of Florida. He is a PE, PTOE and ITE fellow. Dr. Lin served as a chair of Intelligent Traffic Signal Operations Committee for the Institute of Transportation Engineers (ITE) from 2005 to 2015, and the President of International Chinese Transportation Professionals Association from 2013 to 2015. He was the recipient of the prestigious Edward A. Mueller - District 10 Transportation Engineer of the Year award presented by the Florida Section ITE in 2017. Dr. Lin has 26 years of work and research experience in transportation. He has published and presented numerous research papers via national and international conferences.

