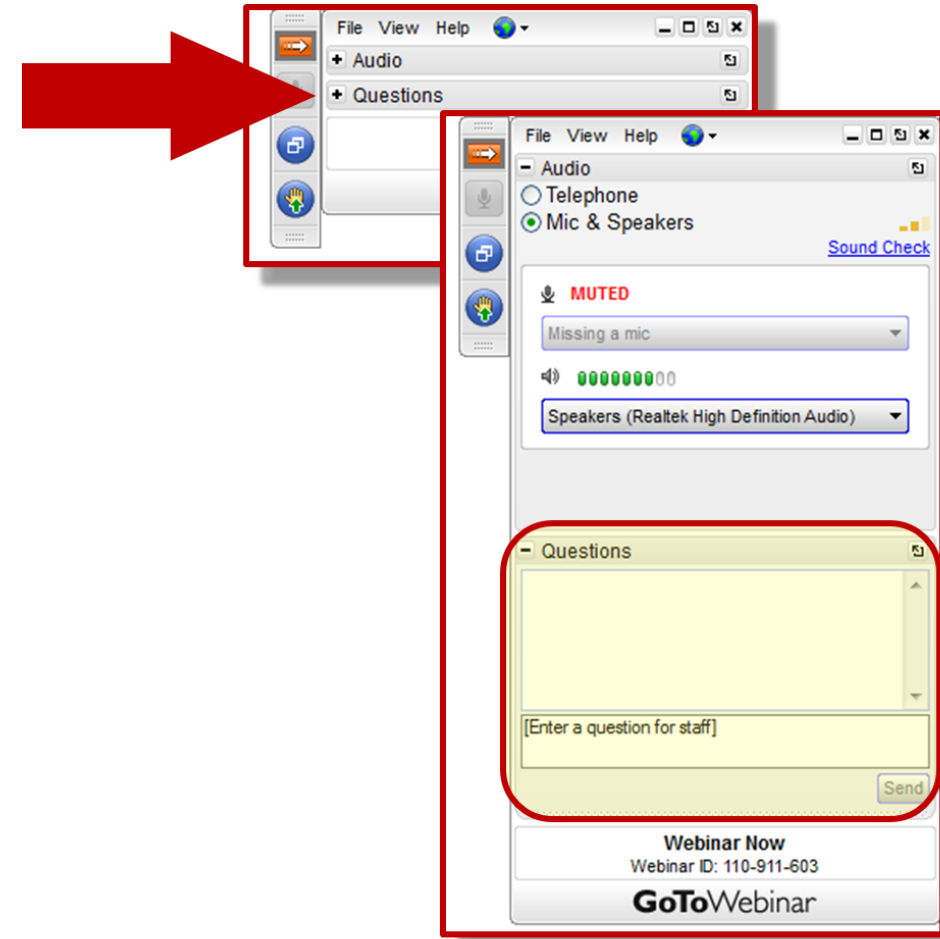


Florida Department of Transportation  
State Safety Office  
Crash Data Academy

# Florida's Integrated Report Exchange System (FIRES) Portal

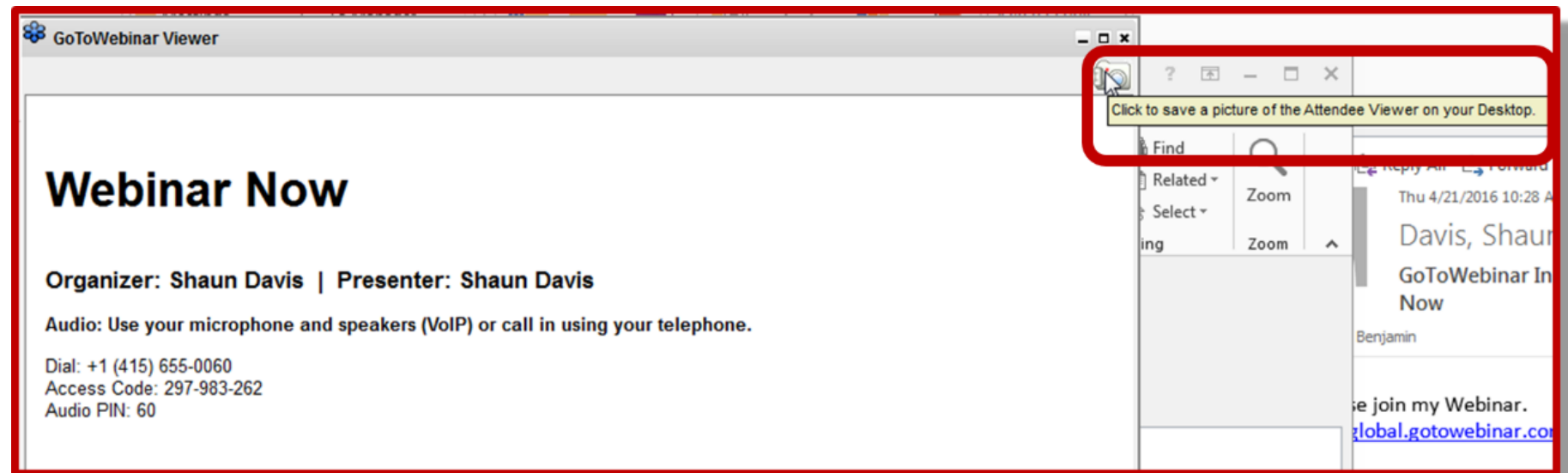
# How to ask a question:

- Control panel on right side of screen
- Use question pane
  - Type questions and comments
  - Click send



# How to capture the webinar window:

- Webinar viewer
  - Top, right corner
- Camera icon



# Crash Data Academy: FIRES Portal

Presenter:

**Samuel Orr**

**APPRISS, Inc**



# What is FIRES?

- Web Based Crash Database for Florida Crash Data
  - Member
  - Public
  - Electronic FL Driver's Self-Report of Traffic Crash
  - Crash Documentation Library
  
- Central Repository for Traffic Records Information
  - User Interface
  
- Partnership between FLHSMV and Appriss Inc.



# How do crashes get to FIRES?

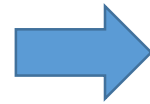
- Electronic
- Paper
- 278 (84%) agencies currently submitting via e-crash
- E-crash accounts for ~90% of all report submissions



# How do Electronic crashes get to FIRES?

**START**

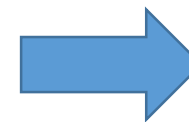
Crash Occurs



Crash Report  
Investigation  
Completed  
by LEA



Submission  
to DHSMV



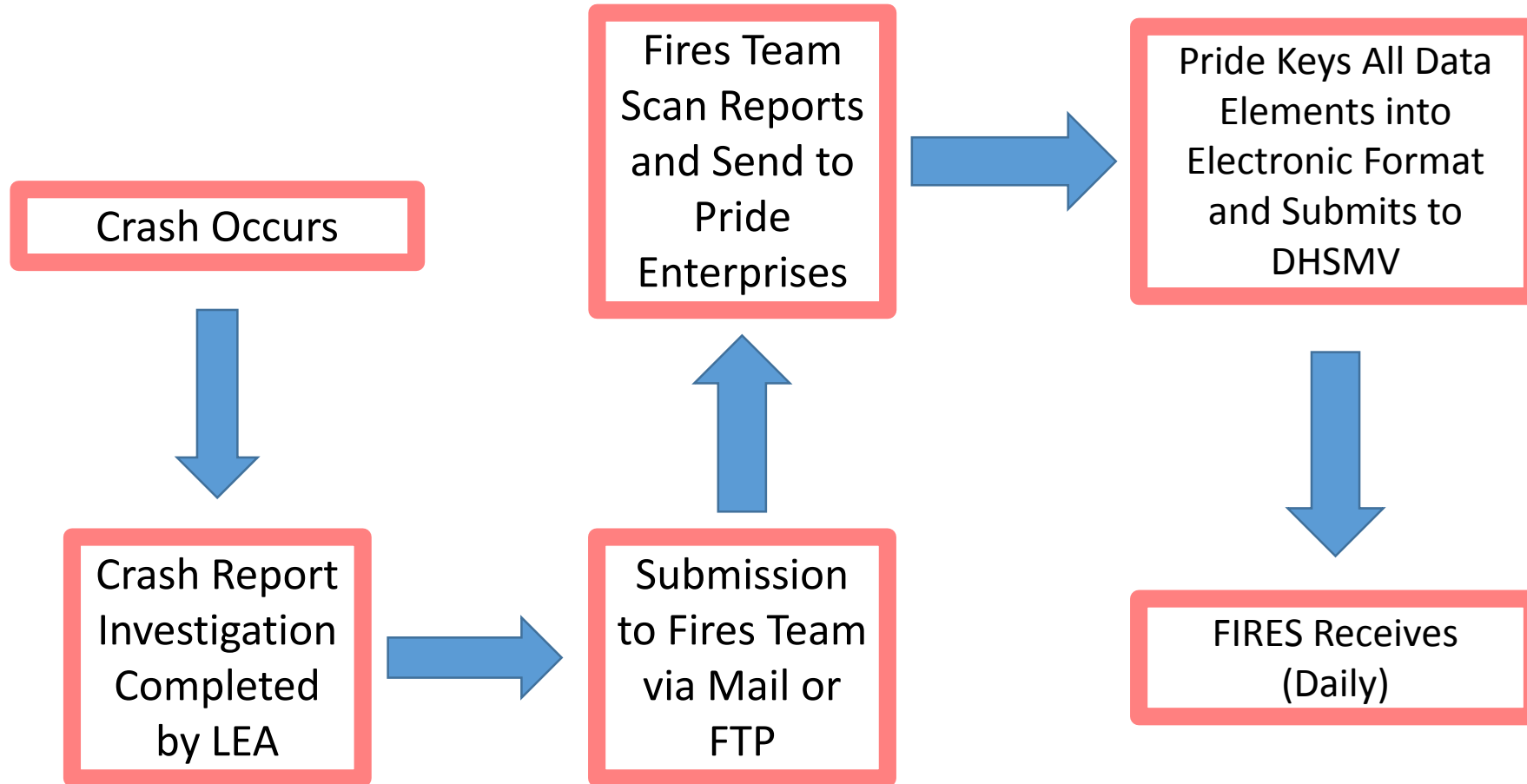
**END**

FIRES Receives  
(Daily)

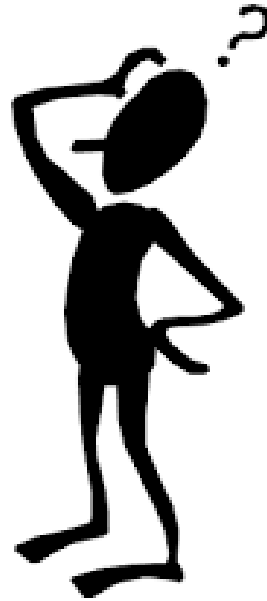
- Statewide Crash Data
- Images Included
- Data is reconciled with DHSMV central repository database for integrity.



# How do Paper crashes get to FIRES?



# Who can use FIRES?

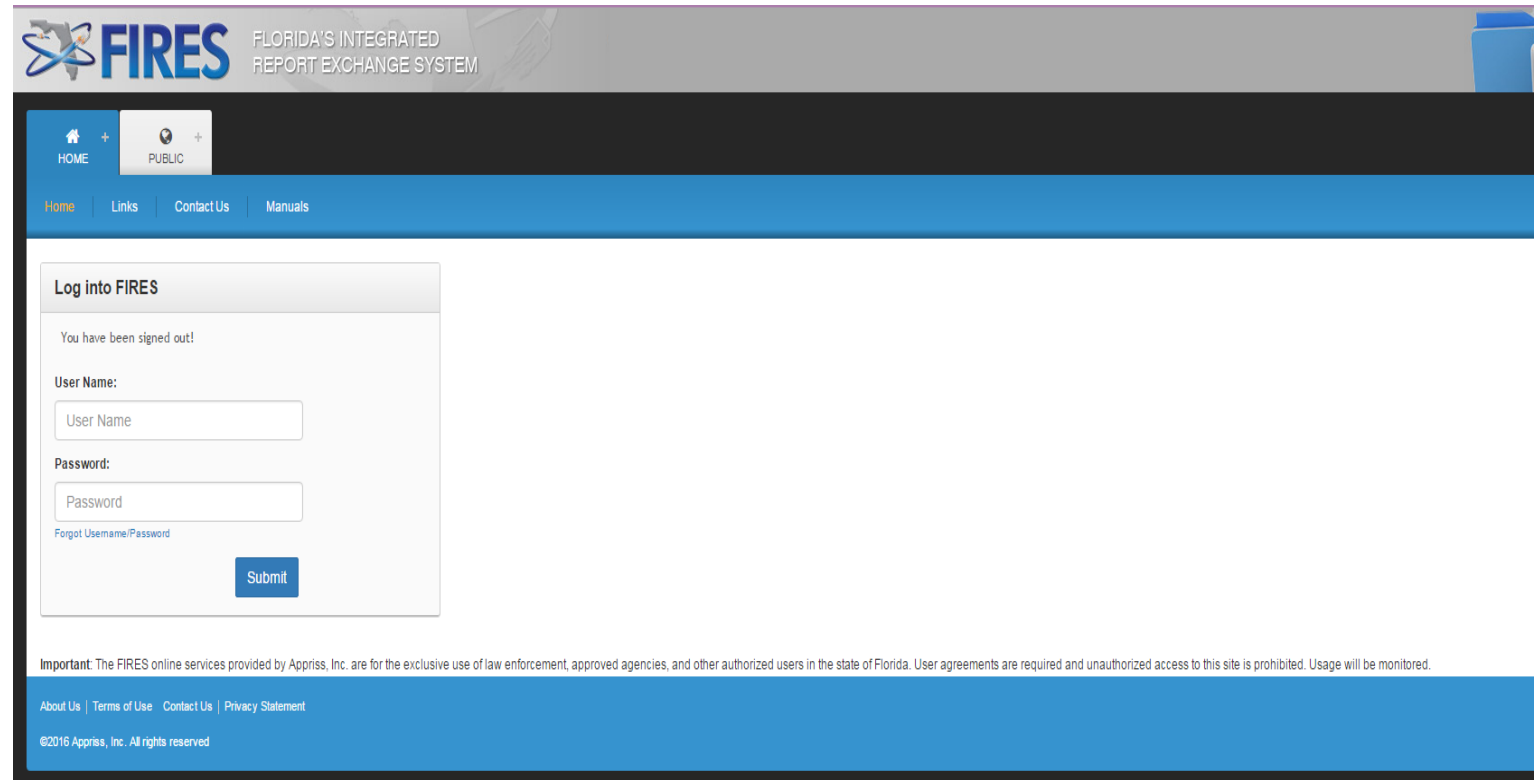


# FIRES Portal: Members

- URL: firesportal.com

## USERS:

- Law Enforcement
- Traffic Safety Engineers
  - Local, County, State, Federal  
Traffic Safety Engineers
- State Attorney's Office
- Others



The screenshot shows the FIRES portal login page. At the top, there is a header with the FIRES logo and the text "FLORIDA'S INTEGRATED REPORT EXCHANGE SYSTEM". Below the header is a navigation bar with "HOME" and "PUBLIC" buttons. The main content area features a "Log into FIRES" form with a "You have been signed out!" message. The form includes fields for "User Name" and "Password", a "Forgot Username/Password" link, and a "Submit" button. At the bottom, there is a footer with a disclaimer: "Important: The FIRES online services provided by Appriss, Inc. are for the exclusive use of law enforcement, approved agencies, and other authorized users in the state of Florida. User agreements are required and unauthorized access to this site is prohibited. Usage will be monitored." and links for "About Us", "Terms of Use", "Contact Us", and "Privacy Statement". The copyright notice "©2016 Appriss, Inc. All rights reserved" is also present.

# Member: Quick Stats

- 2011-Current
- Dynamic
- All vs Long Form Definition (FS 316.066)
- Statewide, County, Agency
- Charts

### Quick Stats

Year: 2016 Crash Type: Code-able\*  **Statewide**  County:   Agency: ALACHUA CO SO

Crash Summary	
Total Crashes:	176,284
Injury Crashes:	74,262
Total Injuries:	113,932
Crashes with Traffic Fatalities:	1,195
Total Traffic Fatalities:	1,300
Commercial Vehicle Crashes:	18,378
Commercial Vehicles:	19,822
Property Damage Crashes:	100,827
*Pedestrian Crashes:	3,967
*Pedestrian Fatalities:	242
**Bicycle Crashes:	3,027
**Bicycle Fatalities:	57

As of Date: 6/19/2016

Types of Crashes Included

\*Pedestrians are reported as Non-Motorist Description of 01-Pedestrian & 02-Other Pedestrian

\*\*Bicyclists are reported as Non-Motorist Description of 03-Bicyclist & 04-Other Cyclist

### Reports by Month

Month	Number of Crashes
Jan	33,181
Feb	31,169
Mar	35,222
Apr	32,735
May	31,476
Jun	12,501

Select Chart: Reports by Month

# FS 316.066 Codeable Crash Definition

- Motor vehicle crashes resulting in death or personal injury; or
- Motor vehicle crashes in which one or more of the following conditions occur:
  - Leaving the scene involving damage to an attended vehicle or property (Section 316.061 (1), Fla. Stat.); or
  - Driving while under the influence of alcoholic beverages, chemical substances, or controlled substances or with an unlawful blood alcohol level (Section 316.193, Fla. Stat.); or
  - A vehicle was rendered inoperable to a degree that required a wrecker to remove it from the scene of the crash; or
  - Involved a commercial motor vehicle

# Members: Advanced Search

- 100+ Searchable Data Elements from Crash Report
- Summary section
  - Crashes, Injuries, Fatalities

Search Result	
Summary	Details
<b>Crash Details:</b>	
316 Total Crashes	634 Total Vehicles Involved
<b>Injury Details:</b>	
108 Crashes with Injuries*	159 Total Injuries
108 Injury Crashes**	114 Driver Injuries
9 Crashes with Incapacitating Injuries	9 Total Incapacitating Injuries
29 Crashes with Non-incapacitating Injuries	42 Total Non-incapacitating Injuries
76 Crashes with Possible Injuries	108 Total Possible Injuries
*Crashes with Injuries are all crashes with at least one reported injury, and including those where a fatality was reported.	
**Injury Crashes are any crash in which there was at least one reported injury, and excluding those where a fatality was reported.	
<b>Fatality Details:</b>	
0 Crashes with Traffic Fatalities	0 Total Traffic Fatalities
	0 Driver Fatalities
<a href="#">Show Crash Map</a>   <a href="#">Show Frequency Map</a>   <a href="#">Select Chart:</a> <span>Select Chart Type ▾</span>	

# Advanced Search: View Results

- Crash Report Image
- Crash Level Information
- Geolocation per crash
- Fatality/Injured Counts

View Results | Export Results | Show Crash Map | Show Frequency Map | Select Chart:

MRN	HSMV Crash Report Number	Reporting Agency Case Number	Agency Name	Date of Crash	Location	Injured Count	Fatalities Count	Date of P	mission Type
<a href="#">view</a>	6350343	84313335	0014000083	TALLAHASSEE PD	1/01/2014 8:04 PM	3096 WALDEN RD	0	0	1/08/2014
<a href="#">view</a>	6350360	84313391	0014000384	TALLAHASSEE PD	1/05/2014 1:30 AM	303 LIPONA RD	0	0	1/08/2014
<a href="#">view</a>	6350377	84313342	0014000130	TALLAHASSEE PD	1/02/2014 2:15 PM	TENN ST near DEWEY ST N	0	0	1/08/2014
<a href="#">view</a>	6350496	84313388	0014000346	TALLAHASSEE PD	1/04/2014 6:24 PM	MAGNOLIA DR at LAFAYETTE ST E	6	0	1/08/2014
<a href="#">view</a>	6350758	84313395	0014000428	TALLAHASSEE PD	1/05/2014 3:21 PM	MONROE ST at COLLEGE AVE	2	0	1/08/2014
<a href="#">view</a>	6350937	84313375	0014000258	TALLAHASSEE PD	1/03/2014 8:28 PM	LAKE BRADFORD RD near JACKSON BLUFF RD	0	0	1/08/2014 5:36 PM

**Fatality Details:**

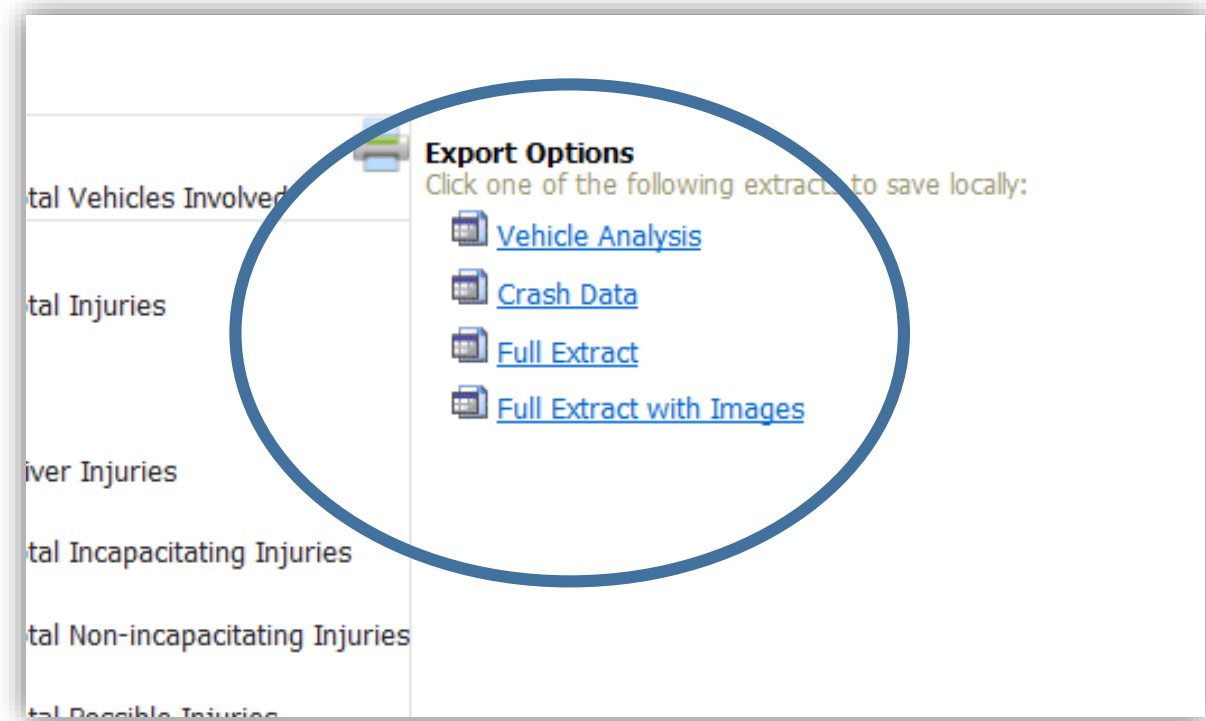
0 Crashes with Fataliti

\*As of Date: 10/22/2014

[View Results](#) | [Export Results](#) | [Show Crash M](#)

# Advanced Search: Export

- Export Result Set
  - Excel
  
- Full Extract
  - All Reported Data Elements
  
- Vehicle & Crash Analysis





# Advanced Search: Save Search

Index	Operand	Search Value
Agency	is one of:	<ul style="list-style-type: none"> <li>ALACHUA CO SO</li> <li>ALACHUA PD</li> <li>ALTAMONTE SPRINGS PD</li> <li>ALTHA PD</li> <li>APALACHICOLA PD</li> <li>APOPKA PD</li> <li>ARCADIA PD</li> <li>ASTATULA PD</li> <li>ATLANTIC BEACH PD</li> <li>ATLANTIS PD</li> </ul>

Hold down on the CTRL key and use the mouse to select multiple items.

**Insert Criteria**

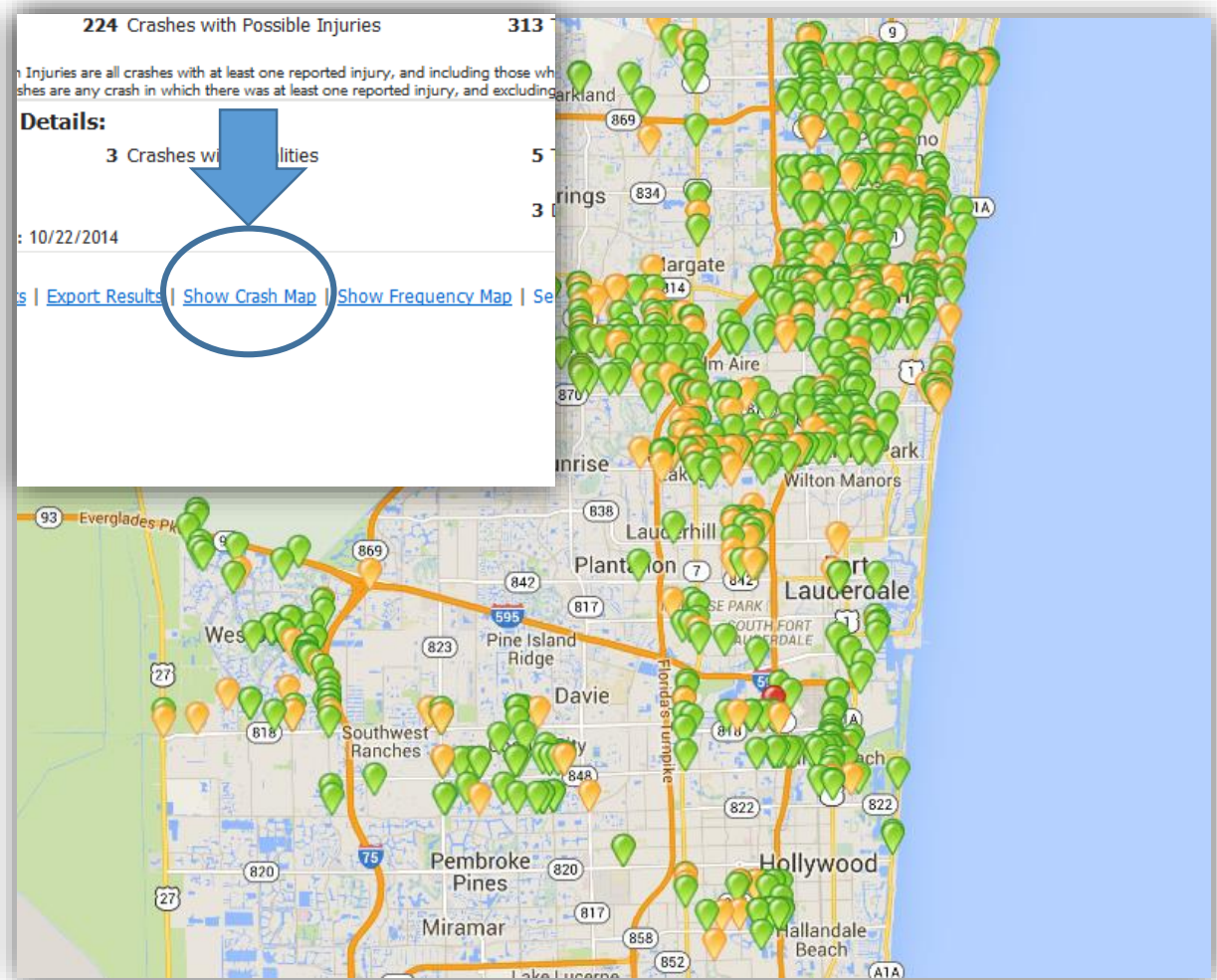
Saved Criteria:  Save

**Selected Cri**

- PED Detail
- Osceola FHP - Long
- Osceola FHP - Short
- MC

# Advanced Search: Show Map

- Geocode Data via Google Maps
- Color Coordination of Pinpoints
  - **RED: Fatal Crash**
  - **YELLOW: Injury Crash**
  - **GREEN: Property Damage Crash**



# Members: Geolocation Search

- Choose location and Draw an object
  - Square, polygon, or circle
- Build Crash Parameters
- 100+ Searchable Data Fields Included
- Result set similar to Advanced Search



# FIRES Portal: Public

- URL: firesportal.com
  - Click “Public” tab
- Dynamic Reporting Utility
  - Refreshed once a day
- Deployed Summer of 2014
- Why Created?
  - Offset’s HSMV Public Records Data Requests
  - Supplement Static Reporting
  - Modern Data Collection
    - i.e. geolocations, mapping interfaces, etc.

**FIRES** FLORIDA'S INTEGRATED REPORT EXCHANGE SYSTEM

HOME PUBLIC

Quick Statistics Advanced Search Geo-location Search Traffic Crash Facts

**Additional Resources**  
 Public Portal Resource Guide  
 Florida Driver Self-Report  
 FL Dept. Highway Safety and Motor Vehicles

We welcome feedback. Submit comments and suggestions to the FIRES Site Administrator.

**Support**  
 Phone: (850) 617-2741  
 EMail: fires@appriss.com

**Quick Stats**  
 Year: 2016 Statewide County: Agency: ALACHUA CO SO

Crash Summary	
Total Crashes:	178,351
Injury Crashes:	75,073
Total Injuries:	115,190
Crashes with Traffic Fatalities:	1,210
Total Traffic Fatalities:	1,315
Commercial Vehicle Crashes:	18,585
Commercial Vehicles:	20,045
Property Damage Crashes:	102,068
*Pedestrian Crashes:	4,020
*Pedestrian Fatalities:	249
**Bicycle Crashes:	3,057
**Bicycle Fatalities:	59

As of Date: 6/21/2016

\*Types of Crashes Included  
 \*Pedestrians are reported as Non-Motorist Description of 01-Pedestrian & 02-Other Pedestrian  
 \*\*Bicyclists are reported as Non-Motorist Description of 03-Bicyclist & 04-Other Cyclist

**Reports by Month**

Month	Number of Crashes
Jan	33190
Feb	31178
Mar	35250
Apr	32766
May	31690
Jun	14276

Select Chart: Reports by Month



# Public: Advanced Search

- Build ad hoc queries
- 35+ Searchable Crash Fields
- Results set
  - Crashes
  - Injuries
  - Fatalities

The screenshot displays the 'Public' section of the FDOT Traffic Crash Facts portal. A dropdown menu is open over the 'Criteria Selected' section, showing options: 'Quick Statistics', 'Advanced Search', 'Geo-location Search', and 'Traffic Crash Facts'. The search criteria table below shows a search for 'Agency' with the operand 'is one of:' and a list of agencies including ALACHUA CO, ALACHUA PD, ALTAMONTE S, ALTHA PD, APALACHICOL, APOPKA PD, ARCADIA PD, ASTATULA PD, ATLANTIC BEA, and ATLANTIS PD. An 'Insert Criteria' button is visible. A 'Search Results' popup window is overlaid on the right, showing a summary of search results:

Category	Count	Total
<b>Crash Details:</b>	1,649 Total Crashes	3,100 Total Vehicles Involved
<b>Injury Details:</b>	612 Crashes with Injuries*	858 Total Injuries
	609 Injury Crashes**	587 Driver Injuries
	41 Crashes with Incapacitating Injuries	41 Total Incapacitating Injuries
	213 Crashes with Non-incapacitating Injuries	271 Total Non-incapacitating Injuries
	414 Crashes with Possible Injuries	546 Total Possible Injuries
<b>Fatality Details:</b>	5 Crashes with Traffic Fatalities	5 Total Traffic Fatalities
		1 Driver Fatalities

Footnotes in the results window:  
 \*Crashes with Injuries are all crashes with at least one reported injury, and including those where a fatality was reported.  
 \*\*Injury Crashes are any crash in which there was at least one reported injury, and excluding those where a fatality was reported.

Selected Criteria:  
 Date of Crash is between 1/1/2015 and 3/31/2015 And  
 County of Crash is one of: Leon

# Public: Advanced Search

- View Results
  - Date of Crash
  - Agency
  - Location
  - Others

- Geolocation of Crash
  - Google Map

2 Driver Fatalities

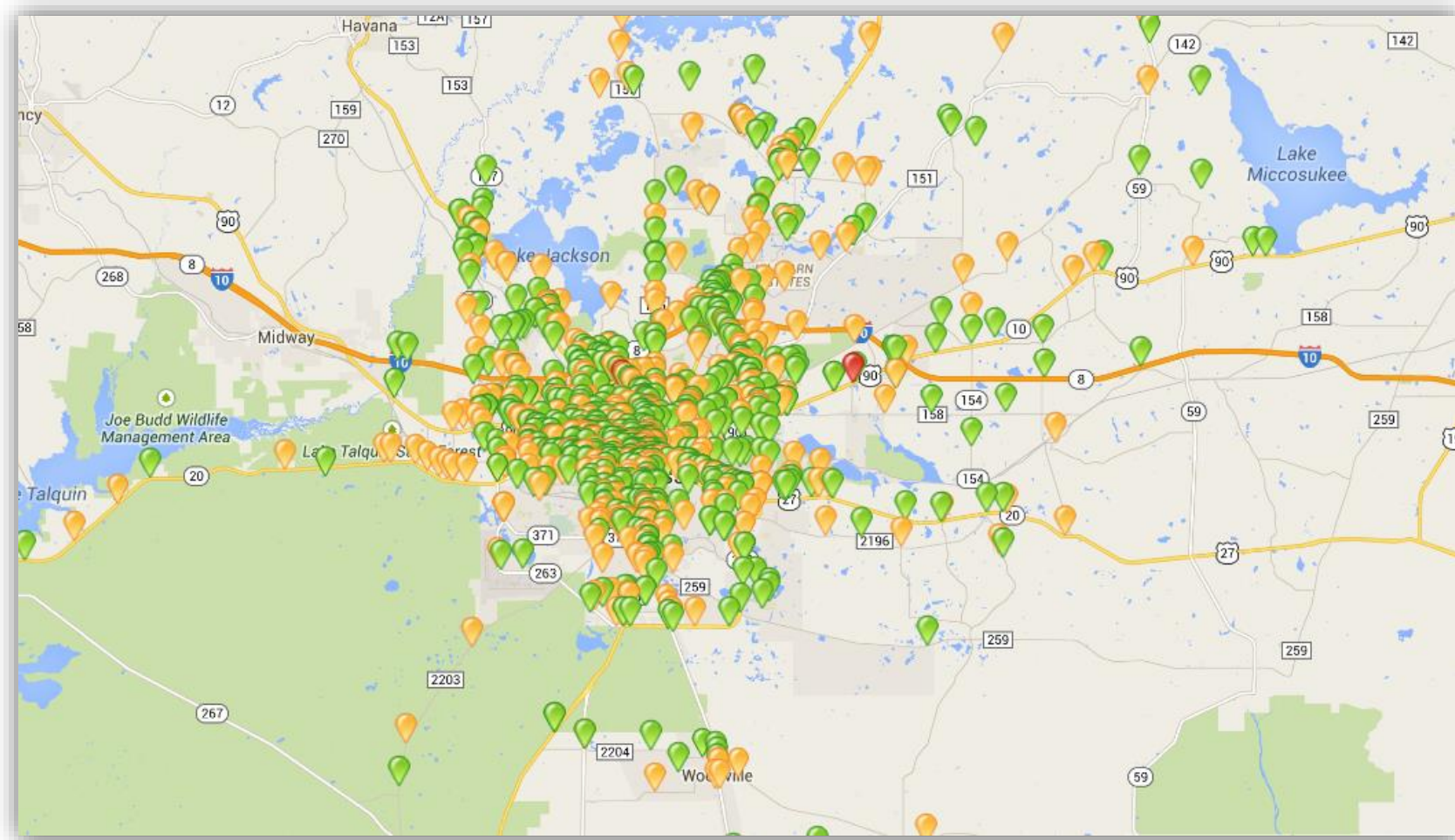
\*As of Date: 10/22/2014

[View Results](#) | 
 [Export Results](#) | 
 [Show Map](#) | 
 [Show Frequency Map](#) | 
 Select Chart: Select Chart Type

	Date of Crash	Agency Name	Location	Co
	1/01/2013 12:00 AM	LEON CO SO	10150 MICCOSUKEE ROAD	Le
	1/01/2013 12:00 AM	LEON CO SO	3433 F	
	1/01/2013 12:42 AM	TALLAHASSEE PD	THARP	
	1/01/2013 1:00 AM	TALLAHASSEE PD	4495 S	
	1/01/2013 1:49 AM	TALLAHASSEE PD	EPPE	
	1/01/2013 2:30 AM	TALLAHASSEE PD	1658 S	
	1/01/2013 3:00 PM	TALLAHASSEE PD	CAPITA	
	1/01/2013 9:59 PM	TALLAHASSEE PD	APALA	
	1/01/2013 11:20 PM	TALLAHASSEE PD	CAPITA	
	1/02/2013 7:54 AM	FHP TROOP H	SR 8 2	
	1/02/2013 9:01 AM	TALLAHASSEE PD	THOMA	

# Advanced Search: Show Map

- Geocode Data via Google Maps
- Color Coordination of Pinpoints
  - **RED: Fatal Crash**
  - **YELLOW: Injury Crash**
  - **GREEN: Property Damage Crash**



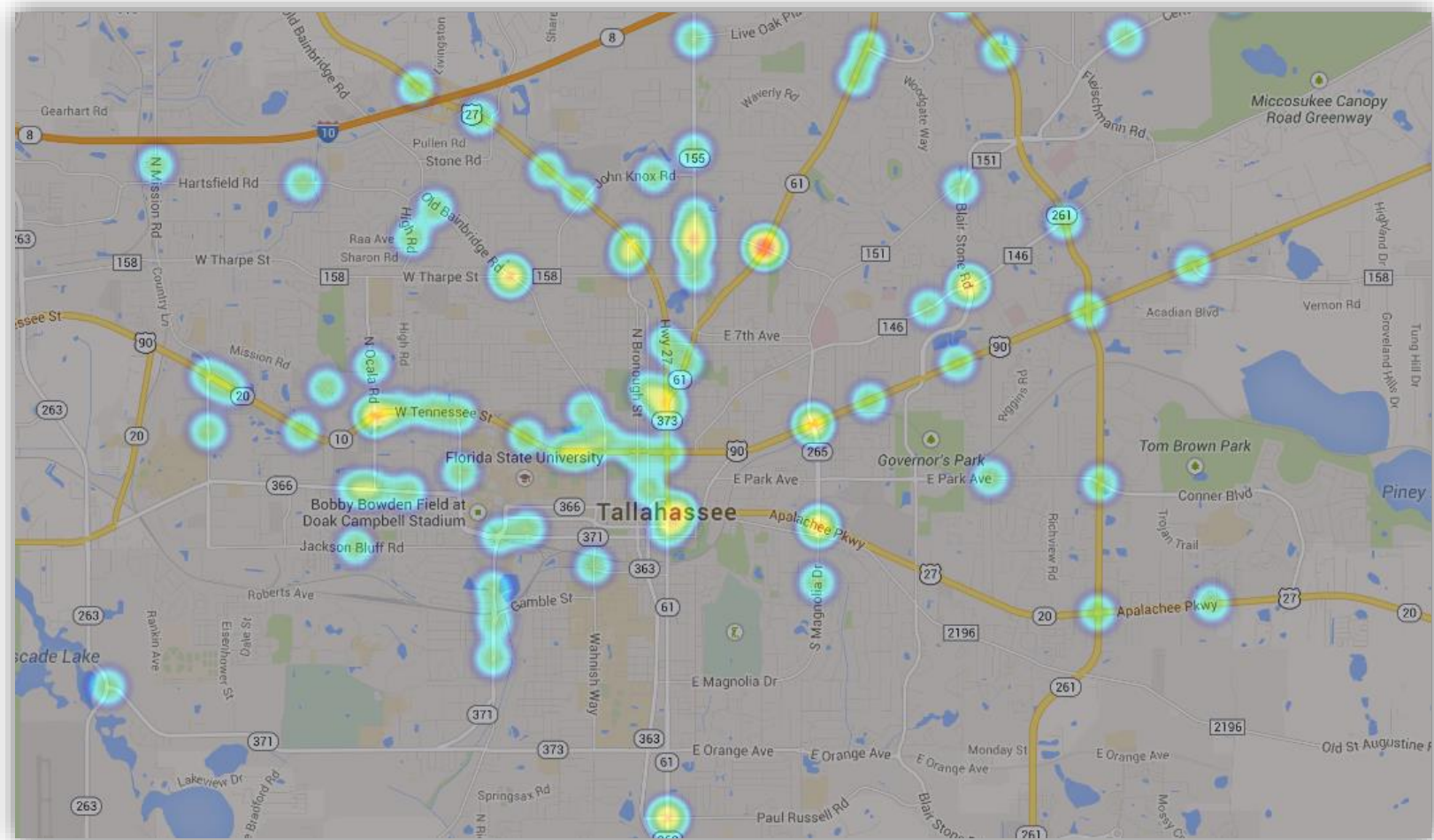


# Advanced Search: Frequency Map

- Density of Crashes
  - Google Maps
  - Geocoded Data

## • USES

- Allocation of officers for LEA
- High Accident Locations
- Determinations of why?





# Online FL Driver's Report of Traffic Crash

- Online Driver's Self Report
  - Convenience option
- Produces free copy of report
- 1100-1500 Reported Crashes per Month

## Self-Reported Traffic Crash

Qualifier Questions   Crash Details   Your Details   Other Parties Details   Confirmation

1
2
3
4
5

First, let's check if your crash qualifies for Self-Reporting

Yes  No   Were there any injuries or fatalities?

Yes  No   Was the crash a hit and run?

Yes  No   Was the vehicle occupied at time of crash?

Yes  No   Did your vehicle have to be towed?

Yes  No   Did the crash involve an intoxicated driver?

Attention: At this time Florida Driver's Online Self-Report only supports Internet Explorer.  
Click here for paper [FL Driver's Self-Report Form](#). Once completed, please return to [fires@appriss.com](mailto:fires@appriss.com) for processing.

Next

# Questions?

# Next FDOT Webinars

The tentative schedule as of 7/1/2016 is:

- **Thursday, October 27th, 2016 - Vulnerable Road Users, Part 1**
- Thursday, November 17th, 2016 - Commercial Vehicle Enforcement
- Thursday, December 15th, 2016 - Legal and Insurance Perspective on Crash Data
- Thursday, January 26th, 2017 - The Importance of Crash Data and Statistics
- Thursday, February 23rd, 2017 - Crash Typing

(dates and topics subject to change)

Please contact Benjamin Jacobs at [Benjamin.Jacobs@dot.state.fl.us](mailto:Benjamin.Jacobs@dot.state.fl.us) with any questions or comments.

# Next FDOT Webinars

Register now!

<https://attendee.gotowebinar.com/register/8578031654679345411>

The webinars generally occur on the last Thursday of the month from 2:30 pm to 3:30 pm ET.

For more information, including links to past webinars, please visit our website at: <http://www.dot.state.fl.us/safety/11A-SafetyEngineering/crash%20data%20academy/academy.shtm>

# Resources (DHSMV & Signal 4)

- Florida Department of Highway Safety and Motor Vehicles Crash Reports – <http://www.flhsmv.gov/courts/crash/>
- Florida's Integrated Report Exchange System (FIRES) Portal - <https://firesportal.com/Pages/Public/Home.aspx>
- Signal 4 Analytics - <https://s4.geoplan.ufl.edu/>

# Resources (FDOT)

- FDOT State Safety Office - <http://www.dot.state.fl.us/safety/>
  - **FDOT SSO Safety Engineering** - <http://www.dot.state.fl.us/safety/11A-SafetyEngineering/SafetyEngineering1.shtm>
  - **FDOT SSO Crash Data Request On Line Form** - [http://www.dot.state.fl.us/safety/11A-SafetyEngineering/TransSafEng/TrafCrashData\\_Form.html](http://www.dot.state.fl.us/safety/11A-SafetyEngineering/TransSafEng/TrafCrashData_Form.html)
- FDOT Traffic Safety Web Portal - <http://www2.dot.state.fl.us/trafficsafetywebportal/index.aspx>
  - **State Safety Office GIS Query Tool** - <https://fdotewp1.dot.state.fl.us/SSOGis/Home.aspx>

# Further questions?

Benjamin Jacobs

(850) 414-4007 [benjamin.jacobs@dot.state.fl.us](mailto:benjamin.jacobs@dot.state.fl.us)